Virtual Machine/
Enterprise Systems Architecture

IBM

TCP/IP Function Level 320 Messages and Codes

Version 2 Release 4.0

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> **Note:**
>
> Before using this information and the product it supports, read the information under "Notices" on page vii.

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Preface

VM/ESA: TCP/IP Function Level 320 Messages and Codes is intended to provide information about the messages and codes that occur in the TCP/IP Function Level 320 networks. This book can also help you to determine whether a specific problem is a result of the VM TCP/IP implementation.

For comments and suggestions about *VM/ESA: TCP/IP Function Level 320 Messages and Codes*, use the Readers' Comment Form located at the back of this book. This form provides instructions on submitting your comments by mail, FAX, or electronic mail.

Who Should Read This Book

This book is intended for use by system programmers for diagnosing problems. You should use this book to:

- Analyze a problem
- Classify the problem as a specific type
- Describe the problem to the IBM Support Center.

You should be familiar with TCP/IP and the protocol commands to use this book.

What You Should Know before Reading This Book

Before using this book, you should be familiar with VM/ESA, CP, and CMS. In addition, TCP/IP Function Level 320 should already be installed and customized for your network.

What This Book Contains

This book lists, by category, messages and codes for IBM TCP/IP Function Level 320.

This book also includes an appendix and a bibliography.

Locating Messages in This Book

This book is organized by chapter and then by function within each chapter. Messages associated with each function are sorted either alphabetically or by message number. If the message you are looking for has a message number, that section of the manual is sorted by message number. In some cases, the message you are looking for has a message number associated with it, but the functional section does not. In this case, do not use the message number for searching; search for the message alphabetically.

How To Use This Book

You should read this book when you want to know the meaning of messages and codes that you receive when operating in TCP/IP networks.

How the Term "internet" is Used in This Book

In this book, an internet is a logical collection of networks supported by gateways, routers, bridges, hosts, and various layers of protocols, which permit the network to function as a large, virtual network.

Note: The term "internet" is used as a generic term for a TCP/IP network, and should not be confused with the Internet, which consists of large national backbone networks (such as MILNET, NFSNet, and CREN) and a myriad of regional and local campus networks worldwide.

Where to Find More Information

For more information about related publications, see "Bibliography" on page 257.

How to Send Your Comments

Your feedback is important in helping to provide the most accurate and high-quality information. If you have any comments about this book or any other VM/ESA documentation:

- Visit our home page at:

  `http://www.ibm.com/s390/vm`

  There you will find the feedback page where you can enter and submit your comments.

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- Fill out the form at the back of this book and return it by mail, by fax, or by giving it to an IBM representative.

Understanding Message Text Format

This section describes general concepts needed to define and configure the virtual machines, servers, and applications in TCP/IP.

Message Conventions Used in This Book

The following message conventions are used throughout this book:

- Uppercase letters represent values that you must type without change (these values are not case-sensitive).
- Lowercase letters represent values that must be entered in lowercase (these values are case-sensitive).
- Lowercase italicized letters represent variable parameters for which you supply the values.
- Square brackets [ ] enclose optional or conditional values.

  Optional values can be omitted; when certain values are omitted, default values are used.

  Conditional values can be omitted, depending on the statement.
- Braces { } enclose values from which you must choose a value.
- Vertical line symbols | indicate that you must select a value from either side of the symbol.

How Numbers Are Used in This Book

The following describes how numbers are used in this book:

- Numbers over four digits are represented in metric style. A space is used rather than a comma to separate groups of three digits.

  For example, the number sixteen thousand, one hundred forty-seven is written 16 147.
- Periods in numbers separate the whole and the fractional portions of the numeral.

Understanding Message Number Format

Some messages in this book have message numbers that contain a component ID in the message number. Following is a table that lists the TCPIP message component IDs and their associated module name(s):

Table 1. Message Prefix and Related Component Name			
Component ID	**Module(s)**	**Component ID**	**Module(s)**
API	TCIUCAPI	PAR	TCPARSE
ARP	TCARP	PC3	TCPOPC3
ATM	TCTOATM	PDO	TCPIPDOW
A22	TCTOHPPI, TCT0A22	PER	TCPERUP
CET	TCCETTR	PKT	TCPKT
CE1	TCCETI1	PNG	TCPING
CE2	TCCETI2	PRI	TCPRINT
CHK	TCCONSI	PRS	TCPARSE
CLW	TCTOCLAW	PRT	TCPRTCT
CTC	TCTOCTC	PUP	TCPUP
DIP	TCDIP98	QUE	TCQUEUE
DOW	TCPCOWN	REQ	TCPREQU
DPI	TCSNMDPI	ROU	TCROUND
DPR	TCUDPRE	RRQ	TCRAWRQ
EEP	TCTREEP	RTD	ROUTED
FR1	TCFR182	RUP	TCRAWUP
ICF	TCX21CF	SCH	TCSCHED
ICP	TCX21CP	SHU	TCSHUT
IPI	TCPIPIN	SNM	TCMIB
IPU	TCIPUP	SOC	TCSOCKRE
IUC	TCTOIUC	STA	TCSTAT0
LDS	TNLDSFP	STM	TNSTMAS
LPS	LPRSET	S1P	TC18S1P
LPX	LPR	TCP	TCPIP
MON	TCMON	TIM	TCTIMER
NFS	VMNFS	TO1	TCTO132
NOT	TCNOTIF	TUD	TNTOUSE
OCP	TNTOCP	UDP	TCCUDPUP
OFI	TCOFFINP	UTI	TCUTIL
OFP	TCOFFLOP	VMS	TCVMSUB
OPR	TCOFFPR	18S	TC18STA
OTC	TNTOTCP	18T	TC18TIM

TCP/IP Message Format

Some messages in this book consist of a message identifier (for example, DTCCLW110E) and message text. The identifier distinguishes messages from each other. The text is a phrase or sentence describing a condition that has occurred or requesting a response from the user.

The format of some message identifiers is:

xxxmmm###e

 or

xxxmmm####e

This message format consist of four fields:

xxx   Three digit prefix, for example, DTC.

mmm   The three digit module code indicates which module generated the message. This field is usually an abbreviation of the name of the module in which the error occurred.

or **####**   The numeric message number consists of three or four digits that are associated with the condition that caused the message to be generated.

e   The one digit severity code is a letter that indicates what kind of condition caused the message. The definition of the severity codes depends on the nature of the routine producing the message.

Table 2 lists the severity codes and their meaning for the TCP/IP messages.

Table 2. Meanings of Severity Codes

Severity Code	Meaning
I	Information only
W	Warning
E	Error
S	Severe error
R	Command response
T	Termination message

Summary of Changes

This section describes the technical changes made in this edition of the book and in previous editions. For your convenience, the changes made in this edition are identified in the text by a vertical bar (|) in the left margin. This edition may also include minor corrections and editorial changes that are not identified.

How to Obtain Previous Editions of This Book

Previous editions of this book and other books in the VM/ESA library can be ordered using the order numbers listed in the *VM/ESA: General Information* manual. That book lists the order numbers and suffixes for VM/ESA books, as well as certain related books, for currently supported VM/ESA releases. When ordering a previous edition of any book, it is important to specify the correct order number suffix.

Summary of Changes for TCP/IP Function Level 320

The following enhancements have been made:

- ATM messages were added to the TCP/IP message section in support of Native ATM.

- The OBEYFILE, HOMETEST, and CONVXLAT messages were moved from Chapter 17, "TCP/IP Server Messages" to Chapter 18, "TCP/IP Utilities," and the COMMTXT messages were moved to Chapter 23, "Miscellaneous Messages."

- The A22, CE1, CE2, CET, CLAW, CTC, DIP, and PC3 messages were moved from Chapter 18, "TCP/IP Utilities" to Chapter 17, "TCP/IP Server Messages."

- The FTPPERM, NFSPERM and TCPRUN messages were moved from Chapter 23, "Miscellaneous Messages" to Chapter 18, "TCP/IP Utilities."

- The ROUTED message chapter was revised, and also includes new messages in support of Routing Information Protocol (RIP) Version 2, variable subnetting, and Virtual IP Addressing (VIPA).

- The following message sections also had new messages added, messages updated, or both:

  - FTP, NFS, LPD, LPR, LPRSET, SMTP, and TCPIP

- This edition contains editorial and technical changes, which includes moving messages from one section to another, and adding a heading for the numbered and unnumbered messages in several chapters.

Summary of Changes for TCP/IP Function Level 310

The following enhancements have been made:

- BOOTPD and DHCPD messages were added in support of the BOOTPD and DHCPD servers.

- LPRSET messages were added in support of printing with an RSCS server.

- TFTPD messages were added in support of the TFTPD server.

- UFTD messages were added in support of the UFTD server.

- Telnet messages were added to the TCP/IP Message section.

- The following messages were added to the TCP/IP Utilities section:

  - A22, CET, CE1, CE2, CTC, DIP, PC3

- Miscellaneous service APARs were added since the previous release.

Summary of Changes for TCP/IP Version 2 Release 4

The following enhancements have been made:

- FTP messages were added in support of BFS.

- Telnet messages were added to the TCP/IP message section.

- Miscellaneous service APARs were added since the previous release.

- This edition contains minor editorial and technical changes.

Chapter 1. BOOTPD and DHCPD Messages

This chapter contains BOOTPD and DHCPD messages. Follow the User Response, as appropriate, within each message area to resolve the problem.

TCP0001E   Machine File was not specified

Explanation: The machine file was not specified.

User or Operator Response: Reissue the command or subcommand with the machine file specified.

System Action: Execution of the command or subcommand terminated.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0001E   Configuration File was not specified

Explanation: The configuration file was not specified.

User or Operator Response: Reissue the command or subcommand with the configuration file specified.

System Action: Execution of the command or subcommand terminated.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0003E   Too many operands on the subcommand line

Explanation: Too many operands were specified on the subcommand line.

User or Operator Response: Reissue the subcommand with the correct number of operands.

System Action: Execution of the subcommand terminated.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0003E   Too many operands on the statement line

Explanation: Too many operands were specified on the statement line.

User or Operator Response: Correct the statement and reload the file which contained the statement.

System Action: Execution of the statement terminated.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0004E   Unrecognized option *option* **- continuing**

Explanation: An unrecognized option was encountered on the command line. Processing of the command continued.

User or Operator Response: If necessary, reissue the command with the correct option specified.

System Action: Execution of the command completed with the unrecognized option being ignored.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0005E   Unrecognized subcommand or statement *name* **- continuing**

Explanation: The specified subcommand or statement was not recognized.

User or Operator Response: If the error was caused by a statement in a machine or configuration file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with subcommand name correctly specified.

System Action: The statement or subcommand was not processed.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0006E   Unrecognized operand - *operand*

Explanation: An unrecognized operand was detected on the command, subcommand, or statement.

User or Operator Response: If the error was caused by a statement in a machine or configuration file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a command or subcommand, reissue the command or subcommand with the operand correctly specified.

System Action: Execution of the command, subcommand, or statement terminated.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0007I   Prior error message refers to line *line* **in** *file*

Explanation: The preceding error message indicated an error in a machine file or configuration file. This message identifies the line that caused the error.

User or Operator Response: None.

System Action: None.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0007I   Prior error message refers to statement *stmtnumb* **in** *file*
The statement in error is: *stmt*

Explanation: The preceding error message indicated an error in a machine file or configuration file. This message identifies the statement that caused the error.

User or Operator Response: None.

System Action: None.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

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BOOTPD and DHCPD Messages

TCP0101E   **RC=***rc* **loading Machine file:** *fn ft fm*

Explanation: An unexpected return code was received when reading a machine file.

User or Operator Response: You may receive a return code that is the same as one of the return codes the FSREAD macro instruction. For more information on FSREAD and a complete list of the return codes it generates, see *VM/ESA: CMS Application Development Reference for Assembler*.

System Action: The statements in the machine file were not executed.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0102E   **RC=***rc* **trying to start communications**

Explanation: An error prevented the activation or reactivation of the UDP environment.

User or Operator Response: If STAYUP is not active, then IPL CMS and restart the server after you correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0103E   **Unable to establish the Event Monitor Environment**

Explanation: An error prevented the enablement of the event monitor environment.

User or Operator Response: IPL CMS and restart the server.

System Action: The server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0106E   **Unable to read file:** *file*

Explanation: An error occurred while attempting to read the specified file.

User or Operator Response: This error indicates a problem Verify access to the file and that the file can be read. After problems are corrected, reenter the command or subcommand that caused the file to be read.

System Action: Execution of the command or subcommand terminates.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0107E   **Unable to start cyclic timer:** *timer token*, **RC=***return code*, **RE=***reason code*

Explanation: An error occurred while attempting to start a cyclic timer used by the server.

User or Operator Response: Correct the problem that prevented the timer from being started and restart the server. See *VM/ESA: CMS Application Multitasking* for more information on the TimerStartInt function, its return code, and reason codes.

System Action: The server shuts down.

Source File: DHCPD EXEC

TCP0110E   **Unable to write file:** *file*
　　　　　　　Pipe rc=*rc*

Explanation: An error occurred while attempting to write to the specified file.

User or Operator Response: Verify access to the file and that the file can be written. See *VM/ESA: CMS Pipelines Reference* for more information on the '>>' PIPE stage return code. The most probable cause was that there was not enough disk space to update the DHCPD BINDINFO or DHCPDWRK BINDINFO file. After problems are corrected, restart the DHCPD server.

System Action: DHCPD server shuts down.

Source File: DHCPD EXEC

TCP0110E   **Unable to write file:** *file*
　　　　　　　Copyfile rc=*rc*

Explanation: An error occurred while attempting to create the specified file using the CMS COPYFILE command.

User or Operator Response: Verify access to the target disk and that the file can be created. See *VM/ESA: CMS Command Reference* for more information on the CMS COPYFILE command and the return code. The most probable cause was that there was not enough room to create the file on the disk or directory. After problems are corrected, restart the DHCPD server.

System Action: DHCPD server shuts down.

Source File: DHCPD EXEC

TCP0200E   **Incorrect CMS level. CMS 11 or later is required**

Explanation: The server was attempted to be run on a level of CMS that does not support all of the required functions used by the server.

User or Operator Response: Run the server on the correct level of CMS.

System Action: The server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0205E   **Error encountered while attempting to NUCXLOAD RXSOCK13, rc=***retcode*

Explanation: An error was encountered when the NUCXLOAD command was issued to load RXSOCK13.

User or Operator Response: See *VM/ESA: CMS Command Reference* for more information on the CMS NUCXLOAD command and how to correct the problem.

System Action: The server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0300E   **Could not find my help file:** *fn* **HELP ***

Explanation: The file which contains the server's help information was not found on an accessed disk or directory.

User or Operator Response: Contact the system administrator to locate the missing file.

System Action: The help information is not displayed.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0400E   **Unable to determine IP address for** *ipaddr*
               Will not answer htype=*htype* **chaddr=***chaddr*

Explanation: The IP address could not be determined for the specified client.

User or Operator Response: The probable cause for this error is that the ":ip" tag is missing for this client or that it is not specified in lowercase. Correct the machine file for the client and reload the machine file.

Note: The *htype* and *chaddr* operands may be missing if their related tags were not specified in the machine file.

System Action: The server will not respond to requests from the specified client.

Source File: BOOTPD EXEC

TCP0401E   **IP address for** *tag* **is not valid**
               Will not answer htype=*htype* **chaddr=***chaddr*

Explanation: An invalid IP address was specified with the indicated tag for the client.

User or Operator Response: Correct the machine file for the client and reload the machine file.

Note: The *htype* and *chaddr* operands may be missing if their related tags were not specified in the machine file.

System Action: The server will not respond to requests from the specified client.

Source File: BOOTPD EXEC

TCP0402E   *tag* **tag value of** *tagval* **for** *entry* **is not a valid IP**
               address.
               The tag will be ignored

Explanation: An invalid IP address was specified with the indicated tag for the entry.

User or Operator Response: Correct the machine file for the entry and reload the machine file.

System Action: The tag is ignored.

Source File: BOOTPD EXEC

TCP0403E   **Client IP address is not valid:** *operand*

Explanation: An invalid IP address specified on the CLIENT statement.

User or Operator Response: Correct the CLIENT statement and reload the machine file.

System Action: The CLIENT statement is ignored. This will cause any following statements that relate to the CLIENT statement to be improperly handled and may cause additional errors.

Source File: DHCPD EXEC

TCP0404E   **Boot Strap Server IP address is not valid:** *operand*

Explanation: An invalid IP address specified on the BOOTSTRAPSERVER statement.

User or Operator Response: Correct the BOOTSTRAPSERVER statement and reload the machine file.

System Action: The BOOTSTRAPSERVER statement is ignored.

Source File: DHCPD EXEC

TCP0500E   **Unrecognized Adapter IP Address:** *operand*

Explanation: An IP address was specified for an adapter that does not exist on the system.

User or Operator Response: If the error was caused by a statement in a configuration file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Processing of the statement or subcommand terminates.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0500E   **Unrecognized Gateway IP Address:** *operand*

Explanation: An invalid IP address was specified for a Gateway.

User or Operator Response: If the error was caused by a statement in a configuration file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Processing of the statement or subcommand terminates.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0500E   **Unrecognized Subnet IP Address:** *operand*

Explanation: An IP address specified as a subnet address on a subcommand or statement was not recognized as a valid address for a subnet connected to the host system.

User or Operator Response: If the error was caused by a statement in a configuration file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Processing of the statement or subcommand terminates.

Source File: BOOTPD EXEC

TCP0500E   **Unrecognized target IP Address:** *operand*

Explanation: An IP address specified on a subcommand or statement was not recognized as a valid address.

User or Operator Response: If the error was caused by a statement in a configuration file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Processing of the statement or subcommand terminates.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0502E   Target IP Address is missing

Explanation: A target IP address was not specified.

User or Operator Response: If the error was caused by a statement in a configuration file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Processing of the statement or subcommand terminates.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP0510E   Address range specified on the SUBNET statement overlaps a previously specified SUBNET range

Explanation: A SUBNET statement specified a range of addresses that overlaps a range specified by a preceding SUBNET statement.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0511E   IP address specified on the CLIENT statement is the same as a previously specified CLIENT IP address

Explanation: A CLIENT statement specified an IP address that is already reserved by a previous CLIENT statement.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0520E   IP address is missing

Explanation: An IP address was expected but not specified.

User or Operator Response: If the error was caused by a statement in a machine or configuration file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Execution of the subcommand or statement terminated.

Source File: DHCPD EXEC

TCP0521E   Hardware type is missing

Explanation: The hardware type was not specified.

User or Operator Response: If the error was caused by a statement in a machine file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Execution of the subcommand or statement terminated.

Source File: DHCPD EXEC

TCP0522E   Client ID is missing

Explanation: The client ID was not specified.

User or Operator Response: If the error was caused by a statement in a machine file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Processing of the statement or subcommand terminates.

Source File: DHCPD EXEC

TCP0523E   Class name is missing

Explanation: The class name was not specified.

User or Operator Response: If the error was caused by a statement in a machine file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Processing of the statement or subcommand terminates.

Source File: DHCPD EXEC

TCP0524E   Vendor name is missing

Explanation: The vendor name was not specified.

User or Operator Response: If the error was caused by a statement in a machine file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Processing of the statement or subcommand terminates.

Source File: DHCPD EXEC

TCP0530E   IP address is not valid

Explanation: An IP address was incorrectly specified.

User or Operator Response: If the error was caused by a statement in a machine file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Processing of the statement or subcommand terminates.

Source File: DHCPD EXEC

TCP0531E   Hardware type is not valid

Explanation: The hardware type was incorrectly specified. The value must be an integer between 0 and 255, inclusive.

User or Operator Response: If the error was caused by a statement in a machine file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Processing of the statement or subcommand terminates.

Source File: DHCPD EXEC

TCP0532E   Client ID is not valid

Explanation: The specified client ID is not valid.

User or Operator Response: If the error was caused by a statement in a machine file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the operand correctly specified.

System Action: Processing of the statement or subcommand terminates.

Source File: DHCPD EXEC

TCP0600E   Starting brace is not valid

Explanation: A starting brace "{" was encountered where one was not expected.

User or Operator Response: Correct the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0601E   Ending brace is not valid

Explanation: An ending brace "}" was encountered where one was not expected.

User or Operator Response: Correct the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0602E   Option number *operand* **is not valid**

Explanation: An option number was specified that is not valid. Option numbers must be integers between 0 and 255, but not including 0 and 255

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0603E   Option number *operand* **is missing an option value**

Explanation: An option value was not specified on the OPTION statement.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0610E   *stmt1* is not valid inside *stmt2* statements

Explanation: *stmt1* was specified within a level (*stmt2*) that does not allow such statements.

User or Operator Response: Correct the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0620E   Too few operands specified

Explanation: The statement or subcommand ended before the specification of all required operands

User or Operator Response: If the error was caused by a statement in a machine or configuration file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the missing operands specified.

System Action: The statement or subcommand was not processed.

Source File: DHCPD EXEC

TCP0621E   Address range is missing or not valid

Explanation: An address range on a statement or subcommand was either not specified or specified incorrectly.

User or Operator Response: If the error was caused by a statement in a machine or configuration file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the missing operands specified.

System Action: The statement or subcommand was not processed.

Source File: DHCPD EXEC

TCP0622E   Label name is missing or not valid

Explanation: A label name was either not specified or specified incorrectly.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0623E   Priority *operand* **is not valid**

Explanation: The specified priority value is not a valid integer.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0624E   CLASS name is missing or not valid

Explanation: A class name was either not specified or specified incorrectly.

User or Operator Response: If the error was caused by a statement in a machine or configuration file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the missing operands specified.

System Action: The statement or subcommand was not processed.

Source File: DHCPD EXEC

BOOTPD and DHCPD Messages

TCP0625E   **An IP address range is not allowed on a** *stmt* **statement at the global level**

Explanation: A single IP address is required for the statement at the global level.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0626E   **VENDOR name is missing or not valid**

Explanation: A VENDOR name is missing or specified incorrectly.

User or Operator Response: If the error was caused by a statement in a machine or configuration file, correct the statement in the file and reenter the command or subcommand that read the file. If the error was caused by a subcommand, reissue the subcommand with the missing operands specified.

System Action: The statement or subcommand was not processed.

Source File: DHCPD EXEC

TCP0627E   **HEX value is not a valid hexadecimal string**

Explanation: A specified hexadecimal value is not valid.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0628E   **Option statements are not allowed when VENDOR statement contains the HEX keyword**

Explanation: An OPTION statement was specified within the VENDOR level for which the HEX keyword was specified on the VENDOR statement. The OPTION statement may not be specified for the VENDOR.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0629E   **Option** *operand* **was already specified**

Explanation: An OPTION statement for the specified option was specified more than once at the current level.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0630E   **Option value is not a valid string**

Explanation: The option value was expected to be a string but it was incorrectly specified. Strings must be either a single word that does not begin with a single or double quote, or begin and end with the same single or double quote.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0631E   **Type value '***value***' is not recognized for user defined option type** *option*

Explanation: The value specified for the indicated option is not a recognized option value.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0631E   **Type value '***value***' is not recognized for internally defined option type** *option*

Explanation: The value specified for the indicated option is not a recognized option value. The value should correspond to a keyword indicating how any specification of the option should be handled. For example, it may indicate whether the option data should be treated as a signed integer.

User or Operator Response: This error indicates a problem within the DHCPD server. Contact the IBM Support Center to notify them of the problem. You will need to provide the complete message text.

System Action: The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

TCP0632E   **The variations of this message are explained below.**

> **MESSAGES:**
>
> - **Option** *operand* **value is not valid**
> - **Option** *operand* **value is not valid:** *value*

Explanation: The value specified for the indicated option is not valid.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0635E   **The specified client is not associated with an address**

Explanation: The specified client is not actively associated with an address. For a client to be associated with an address, there must be an address that is actively being leased to the client.

User or Operator Response: Verify and reenter the subcommand with the correct client ID.

System Action: Processing of the subcommand terminates.

Source File: DHCPD EXEC

TCP0636E   **The specified client is associated with more than one address. You must delete the lease using the address**

Explanation: The subcommand was specified using the CLIENT operand. It was determined that the client is being served on more than one subnet. The subcommand can not determine which subnet should be changed.

User or Operator Response: Specify the subcommand using the ADDRESS operand instead of the CLIENT operand so that the subcommand can distinguish which subnet to change.

System Action: Processing of the subcommand terminates.

Source File: DHCPD EXEC

TCP0637E *address* **is not active**

Explanation: The specified address is not actively leased to a client.

User or Operator Response: Respecify the subcommand with the correct address.

System Action: Processing of the subcommand terminates.

Source File: DHCPD EXEC

TCP0638E **The address range specified on the** *stmt* **statement is not a subset of the SUBNET address range**

Explanation: An address was specified on the indicated statement which is at a more specific level than the current SUBNET level. The address is not within the specified address range for the SUBNET. Statements that relate to a specific subnet must specify no specific address or an address within the range of the current subnet.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0639E **The address specified on the** *stmt* **statement is not within the SUBNET address range**

Explanation: An address range was specified on the indicated statement which is at a more specific level than the current SUBNET level. The address range is not a subset of the specified address range for the SUBNET. Statements with address ranges that relate to a specific subnet must specify ranges which are a proper subset of the range of the current subnet.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0640E **The option length is missing for user defined option type** *option*

Explanation: The length operand was not specified on the statement which defines the indicated option.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates. The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

TCP0640E **The option length is missing for internally defined option type** *option*

Explanation: The length operand was not specified for an option that was being internally defined by the DHCPD server.

User or Operator Response: This error indicates a problem within the DHCPD server. Contact the IBM Support Center to noify them of the problem. You will need to provide the complete message text.

System Action: The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

TCP0641E **The minimum value is missing for user defined option type** *option*

Explanation: The minimum value operand was not specified on the statement which defines the indicated option.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates. The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

TCP0641E **The minimum value is missing for internally defined option type** *option*

Explanation: The minimum value operand was not specified for an option that was being internally defined by the DHCPD server.

User or Operator Response: This error indicates a problem within the DHCPD server. Contact the IBM Support Center to notify them of the problem. You will need to provide the complete message text.

System Action: The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

TCP0642E **The maximum value is missing for user defined option type** *option*

Explanation: The maximum value operand was not specified on the statement which defines the indicated option.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates. The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

TCP0642E **The maximum value is missing for internally defined option type** *option*

Explanation: The maximum value operand was not specified for an option that was being internally defined by the DHCPD server.

User or Operator Response: This error indicates a problem within the DHCPD server. Contact the IBM Support Center to notify them of the problem. You will need to provide the complete message text.

System Action: The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

TCP0643E **The minimum value is not valid for user defined option type** *option*

Explanation: The minimum value operand was incorrectly specified on the statement which defines the indicated option.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates. The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

BOOTPD and DHCPD Messages

TCP0643E   The minimum value is not valid for internally defined option type *option*

Explanation: The minimum value operand was incorrectly specified for an option that was being internally defined by the DHCPD server.

User or Operator Response: This error indicates a problem within the DHCPD server. Contact the IBM Support Center to notify them of the problem. You will need to provide the complete message text.

System Action: The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

TCP0644E   The maximum value is not valid for user defined option type *option*

Explanation: The maximum value operand was incorrectly specified on the statement which defines the indicated option.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates. The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

TCP0644E   The maximum value is not valid for internally defined option type *option*

Explanation: The maximum value operand was incorrectly specified for an option that was being internally defined by the DHCPD server.

User or Operator Response: This error indicates a problem within the DHCPD server. Contact the IBM Support Center to notify them of the problem. You will need to provide the complete message text.

System Action: The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

TCP0645E   The minimum value is greater than the maximum value for user defined option type *option*

Explanation: The minimum value is greater than the maximum value specified on the statement which defines the indicated option.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates. The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

TCP0645E   The minimum value is greater than the maximum value for internally defined option type *option*

Explanation: The minimum value is greater than the maximum value specified for an option that was being internally defined by the DHCPD server.

User or Operator Response: This error indicates a problem within the DHCPD server. Contact the IBM Support Center to notify them of the problem. You will need to provide the complete message text.

System Action: The Option is not defined. Any option statements for this option are treated according to the rules for undefined options.

Source File: DHCPD EXEC

TCP0650E   Label name is greater than 64 characters: *operand*

Explanation: The specified label name is longer than the allowed maximum length.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0651E   Label name is specified more than once: *operand*

Explanation: The indicated label was specified more than once on the statement.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0652E   Label list is too long

Explanation: The list of labels is too long. It may be no more than 5000 characters long. Extra blanks are removed before the maximum is checked.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0653E   Label name is specified in both the InOrder and Balance lists: *label*

Explanation: The indicated label name was specified on both the INORDER: and BALANCE: statements.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0654E   Subnet statements for *address* **specify different labels:** *label1 label2*

Explanation: A SUBNET statement was encountered for a subnet that was already specified on another SUBNET statement. The label names specified on the two SUBNET statements are not the same.

User or Operator Response: Correct the statement in the machine file so that both SUBNET statements specify the same label and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates. This will cause any following statements that relate to the SUBNET statement to be improperly handled and may cause additional errors.

Source File: DHCPD EXEC

TCP0655E   Unable to determine the subnet mask for subnet *subnet*

Explanation: The SUBNET statement for the specified subnet did not specify the subnet mask and the mask could not be determined from the subnet address.

User or Operator Response: This usually indicates that the subnet address was incorrectly specified. Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0660E   The specified time value is not valid: *operand*

Explanation: The time value must be a whole number.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0661E   The specified unit of time is not valid: *operand*

Explanation: The specified unit of time is not recognized or valid for the statement.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP0662E   The specified time is outside the allowed range

Explanation: The specified time is outside the time range allowed for the statement.

User or Operator Response: Correct the statement in the machine file and reenter the command or subcommand that read the file.

System Action: Processing of the statement terminates.

Source File: DHCPD EXEC

TCP5000W   DHCPDecline received for *address*, **sent by** *client ID*
Address is not available for use

Explanation: The indicated client declined the address that was served to it. This will occur when the client determines that an address that it was going to accept is currently in use.

User or Operator Response: Determine the reason for the decline. Either remove the address from the appropriate subnet in the machine file and reload the machine file, or remove the client that is currently using the address so that DHCPD may serve the address to a client.

System Action: The address is marked unavailable until the DHCPD server is restarted.

Source File: DHCPD EXEC

TCP5001W   ICMP ECHO REPLY received for *address*
Address is not available for use
Client ID *id value* **will not be serviced at this time**

Explanation: A response to an ICMP ECHO REQUEST was received for an address that is being allocated. This is an unexpected event that indicates that the address is already in use although its use was unknown to the DHCPD server.

User or Operator Response: Determine the reason for the address being active. Either remove the address from the appropriate subnet in the machine file and reload the machine file, or remove the client that is currently using the address so that DHCPD may serve the address to a client.

System Action: The current client that was going to receive the address will not receive a response at this time. The address is marked unavailable until the DHCPD server is restarted.

Source File: DHCPD EXEC

TCP6500I   Socket(SendTo) to *port* **at** *ipaddr* **returned:** *returned values*

Explanation: An error occurred on a SOCKET SENDTO function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP6501I   Socket(Initialize) returned: *returned values*

Explanation: An error occurred on a SOCKET INITIALIZE function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP6502I   Socket(Socket) returned: *returned values*

Explanation: An error occurred on a SOCKET SOCKET function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

BOOTPD and DHCPD Messages

TCP6503I **Socket(SetSockOpt) on socket** *socket* **returned:** *returned values*

Explanation: An error occurred on a SOCKET SETSOCKOPT function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP6504I **Socket(Ioctl) on socket** *socket* **returned:** *returned values*

Explanation: An error occurred on a SOCKET IOCTL function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP6505I **Socket(Bind) on** *socket*, **port** *port*, **address** *address* **returned:** *returned values*

Explanation: An error occurred on a SOCKET BIND function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP6506I **Socket(IoCtl,SiocGifConf) returned:** *returned values*

Explanation: An error occurred on a SOCKET IOCTL SIOCGIFCONF function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP6507I **Socket(GetHostId) returned:** *returned values*

Explanation: An error occurred on a SOCKET GETHOSTID function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP6508I **Socket(Close) on socket** *socket* **returned:** *returned values*

Explanation: An error occurred on a SOCKET CLOSE function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP6509I **Socket(IoCtl,SiocGifNetMask) for** *interface name* **returned:** *returned values*

Explanation: An error occurred on a SOCKET IOCTL SIOCGIFNETMASK function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP6510I **Socket(Select) returned:** *returned values*

Explanation: An error occurred on a SOCKET SELECT function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP6511I **Socket(RecvFrom) returned:** *returned values*

Explanation: An error occurred on a SOCKET RECVFROM function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

TCP6512I   **TCP6512I Socket(IoCtl,SiocGifBrdAddr) for** *interface name* **returned:** *returned values*

Explanation: An error occurred on a SOCKET IOCTL SIOCGIFBRDADDR function.

User or Operator Response: See the *VM/ESA: CMS Application Development Reference* for information on the SOCKET returned values. Correct the problem.

System Action: If STAYUP mode is active, then the server will wait a period of time and attempt to activate the UDP environment. Otherwise, the server shuts down.

Source File: BOOTPD EXEC for TCPBOO or DHCPD EXEC for TCPDHC

BOOTPD and DHCPD Messages

Chapter 2. Domain Name Server and Resolver Messages

This chapter contains messages issued by the name server and the CMSRESOL utility. Also, these messages are used by the utilities required for setting up and priming a name server that uses SQL (NSDBLOAD, NSTABLE, and NSACQ).

Most of these messages include the subroutine that is active when the message is issued. Since the same message can be issued by multiple subroutines, that portion of the message cannot be used to index the message. In the message descriptions, the subroutine name is referred to as *RoutineName*. In general, the messages are listed alphabetically without respect to case in the first words of the message that are not substituted during message generation.

@ – **current origin** *origin*

Severity: Informational.

Explanation: NSDBLOAD encountered an @ in the input file. This instructs it to continue using the previously defined origin. This is normally encountered with embedded files. It displays the origin it will continue using.

System Action: None.

User or Operator Response: None.

ACQUIRE PUBLIC DBSPACE NAMES *tableName* **(PAGES=***count***)**

Severity: Informational.

Explanation: NSACQ issues this message echoing the SQL command used to acquire space for the name server.

System Action: None.

User or Operator Response: None.

Couldn't open output file

Severity: Error.

Explanation: NSDBLOAD encountered an error opening its output file. The program terminates with exit code 99.

System Action: NSDBLOAD terminates.

User or Operator Response: Verify that write access exists to the file mode that NSDBLOAD is using to write its output file. By default, this is file mode A.

Couldn't read input master file

Severity: Error.

Explanation: NSDBLOAD encountered an error opening a resource record file previously generated.

System Action: NSDBLOAD terminates.

User or Operator Response: Verify that the file can be found in the current search order.

Couldn't read output resource record file

Severity: Error.

Explanation: NSDBLOAD encountered an error opening the file it created to store the resource records generated in an earlier step, or at an earlier time. The data from this file is used to create the records in the SQL data base.

System Action: NSDBLOAD terminates.

User or Operator Response: Verify NSDBLOAD's access to the file.

Create index *tableName* **on** *tableName*

Severity: Informational.

Explanation: NSDBLOAD is creating an index for *tableName* using the same name prior to adding the new resource records to the table.

System Action: Processing continues.

User or Operator Response: None.

Creating table *tableName*

Severity: Informational.

Explanation: NSTABLE issues SQL commands to create the indicated table.

System Action: Create the SQL table.

User or Operator Response: None.

Currently used TABLES: *TableNameList*

Severity: Informational.

Explanation: NSDBLOAD is using the indicated tables.

System Action: None.

User or Operator Response: None.

Data base update completed.

Severity: Informational.

Explanation: NSDBLOAD has completed the database update.

System Action: None.

User or Operator Response: None.

Data outside of inner parens

Severity: Error.

Explanation: A CMSRESOL command line contained data outside the inner parenthesis. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Correct the command syntax.

DNS and Resolver Messages

DATAGRAM|CONN|IUCV & timeout args missing

Severity: Error.

Explanation: A CMSRESOL command ended before a connection method and a time-out interval were specified. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Use the correct command line arguments.

Delete all data from *tableName* **table**

Severity: Informational.

Explanation: NSDBLOAD is about to delete all data from the indicated table.

System Action: None.

User or Operator Response: None.

Deleted all data in SQL table *tableName*

Severity: Informational.

Explanation: NSDBLOAD has completed deleting all data in the indicated SQL table.

System Action: None.

User or Operator Response: None.

Do you want to create resource records from a master file (y/n)?

Severity: Informational.

Explanation: The NSDBLOAD command is prompting you to determine if the resource records should be created from a master file or the program should end now.

System Action: If the response is N, the program will terminate.

User or Operator Response: Enter Y or N.

Do you want to delete all resource records from db(y/n)?

Severity: Informational.

Explanation: The NSDBLOAD command is prompting you to determine if all resource records should be deleted from the database.

System Action: None.

User or Operator Response: Enter Y or N.

Do you want to insert the RR in the SQL table now(y/n)?

Severity: Informational.

Explanation: NSDBLOAD is prompting you to determine if the resource records defined in the input parameters should be inserted into the SQL tables now.

System Action: None.

User or Operator Response: Enter Y or N.

Do you want to translate all data to lower case?(y/n)

Severity: Informational.

Explanation: NSDBLOAD is prompting you to determine if all input data should be converted to lowercase. The case needs to match the HOSTNAMECASE setting configured in the NSMAIN DATA file.

System Action: None.

User or Operator Response: Enter Y or N.

Do you want to translate all data to upper case?(y/n)

Severity: Informational.

Explanation: NSDBLOAD is prompting you to determine if all data should be translated to uppercase. The case needs to match the HOSTNAMECASE setting configured in the NSMAIN DATA file.

System Action: None.

User or Operator Response: Enter Y or N.

Drop index *tableName*

Severity: Informational.

Explanation: NSDBLOAD is deleting the current data for this table.

System Action: None.

User or Operator Response: None.

Error occurred deleting table info

Severity: Error.

Explanation: NSDBLOAD encountered an error deleting SQL table information.

System Action: NSDBLOAD terminates.

User or Operator Response: None.

Error(s) occurred reading master datafile

Severity: Error.

Explanation: NSDBLOAD encountered an error while processing the master data file.

System Action: NSDBLOAD terminates.

User or Operator Response: Verify the syntax of the data in the master data file.

EXEC SQLINIT DBNAME(*dbname***)**

Severity: Informational.

Explanation: NSACQ issues this message echoing the SQL command used to initialize its access to SQL.

System Action: None.

User or Operator Response: None.

Finished adding data to table ....

Severity: Informational.

Explanation: NSDBLOAD has finished adding data to its SQL table.

System Action: None.

User or Operator Response: None.

format: NSACQ dbname dbspace npages
NSACQ acquires a dbspace in dbname with N number of pages.
Defaults:
> **dbname TCPDBA**
> **dbspace TCPSPACE**
> **npages 5120**

Severity: Informational.

Explanation: The NSACQ command line syntax is displayed in response to the NSACQ ? command.

System Action: NSACQ terminates.

User or Operator Response: None.

---

format: NSTABLE [Fn [Ft [Fm (for xxxx]]]]
NSTABLE creates two tables for each primary and secondary domain defined for a VM user id.

Default file is: NSMAIN DATA A

Severity: Informational.

Explanation: This help text is displayed when NSTABLE is invoked with ? as the command line argument. The text displayed has brackets around optional parameters.

System Action: NSTABLE terminates.

User or Operator Response: None.

Include file not defined

Severity: Error.

Explanation: NSDBLOAD encountered an $INCLUDE statement in the input file without an accompanying file specification.

System Action: The $INCLUDE statement is ignored. NSDBLOAD processing continues.

User or Operator Response: Correct the $INCLUDE statement.

Incomplete *section* **entry**

Severity: Error.

Explanation: A CMSRESOL command line contained an incomplete additional or answer entry, as indicated by the *section* message variable. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Use the correct command line syntax.

Incomplete entry list

Severity: Error.

Explanation: A CMSRESOL command line contained an incorrect number of entries. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Use the correct syntax on the command line.

Incomplete question entry

Severity: Error.

Explanation: A CMSRESOL command line contained an incomplete question entry. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Use the correct command syntax.

Invalid arg *arg*

Severity: Error.

Explanation: A CMSRESOL command line contained an invalid connection method argument. Valid arguments are:

- DATAGRAM
- CONN
- IUCV

See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Use the correct command syntax.

Invalid class *data*

Severity: Error.

Explanation: A response received by the CMSRESOL command line contained a class that is not valid or understood by CMSRESOL. This can happen because corrupted data was returned to CMSRESOL from a name server or the query specified a class of * (the wildcard or "any" class), and data was returned that is not supported by CMSRESOL.

System Action: The CMSRESOL command terminates.

User or Operator Response: The query may be changed so that the invalid class is not returned.

Invalid name server address 'address**'**

Severity: Error.

Explanation: A CMSRESOL command line contained a name server address that is not valid. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Correct the IP address of the name server. It should be in dotted decimal form ("xxx.xx.x.xxx").

Invalid opcode 'value**'**

Severity: Error.

Explanation: An invalid *opcode* was specified in a CMSRESOL command. Valid *opcode* values are:

- QUERY
- IQUERY
- CQUERYU
- CQUERYM
- DBASE

See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Use a correct value for the *opcode* in the CMSRESOL command.

DNS and Resolver Messages

Invalid qclass '*value***'**

Severity: Warning.

Explanation: An invalid *qclass* was specified in a CMSRESOL command. Valid *qclass* values are:

- IN,
- *
- CS

See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Use a correct value for the *qclass* in the CMSRESOL command.

Invalid qtype '*value***'**

Severity: Error.

Explanation: An invalid *qtype* was specified in a CMSRESOL command. Valid *qtype* values are:

• A	• MX
• LOC97	• TXT
• DBUPD	• NULL
• DBQRY	• WKS
• NS	• PTR
• MD	• HINFO
• MF	• MINFO
• CNAME	• AXFR
• SOA	• MILB
• MB	• MILA
• MG	• *
• MR	

See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Use a correct value for the *qtype* in the CMSRESOL command.

Invalid timeout '*value***'**

Severity: Error.

Explanation: An invalid *timeout* was specified in a CMSRESOL command. It may have contained a nonnumeric character. The interval specification must contain only digits. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Use the correct command syntax.

Invalid wild card definition

Severity: Warning.

Explanation: NSDBLOAD encountered an invalid wildcard definition in the input file.

System Action: Processing of the master data file continues, but when that is complete, NSDBLOAD will terminate.

User or Operator Response: Correct the input file. See RFC1035 for the correct wild card entry.

Invoked with extraneous parameters defined

Severity: Error.

Explanation: The NSACQ command was invoked with extraneous parameters. The correct syntax can be obtained by issuing the NSACQ command with the "?" parameter.

System Action: NSACQ terminates.

User or Operator Response: Reissue the command with the correct syntax.

IUCV Connect rc = ***returnCode*

Severity: Error.

Explanation: A connection could not be made to the domain name server using IUCV. To use IUCV, the name server must be running on the VM host where this command was issued. The *returnCode* may help in identifying the nature of the failure.

System Action: The CMSRESOL command terminates.

User or Operator Response: Report the problem to your system programmer.

System Programmer Response: Verify that the name server has access to the IUCV link. Verify that both the name server and the user have IUCV capability defined for them in their directory entries.

IUCV not possible - HNDIUCV rc = ***returnCode*

Severity: Error.

Explanation: CMSRESOL could not connect to the domain name server using IUCV. To use IUCV, the name server must be running on the VM host where this command was issued. The *returnCode* may help in identifying the nature of the failure.

System Action: The CMSRESOL command terminates.

User or Operator Response: Report the problem to your system programmer.

System Programmer Response: Verify that the name server has access to the IUCV link. Verify that both the name server and the user have IUCV capability defined for them in their directory entries.

IUCV required for data base update

Severity: Error.

Explanation: A CMSRESOL command line contained a parameter mismatch. If the CMSRESOL command line *opcode* field indicates a database update (DBASE), the connection method must be IUCV. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Correct the CMSRESOL command to communicate by means of IUCV.

IUCV Sever failed rc= ***returnCode*

Severity: Error.

Explanation: CMSRESOL encountered an error severing an IUCV connection.

System Action: The CMSRESOL command terminates.

User or Operator Response: Report the problem to the system programmer.

System Programmer Response: If no other messages accompany this error, the error can be ignored, since the CMSRESOL command has terminated.

Line *lineNumber* **Obsolete root definition. Replaced with '.'**

Severity: Warning.

Explanation: NSDBLOAD encountered an obsolete root definition, '..', in the input file.

System Action: NSDBLOAD replaces the obsolete data from the input file with the current root definition, '.', and continues.

User or Operator Response: Change the root definition from '..' to '.' in the input file.

Line *lineNumber* **SOA mailbox error:** *badValue*

Severity: Error.

Explanation: NSDBLOAD encountered an incorrectly specified value in one of the SOA fields. The error occurred while processing the indicated line in the master data file.

System Action: Processing of the master data file continues, but when that is complete, NSDBLOAD will terminate.

User or Operator Response: Correct the input file. See RFC1034 for the correct format of an SOA record in a master data file.

Name server addr missing

Severity: Error.

Explanation: A CMSRESOL command ended before a name server address was specified. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Invoke CMSRESOL with the required ADDRESS parameter.

New origin *origin*

Severity: Informational.

Explanation: NSDBLOAD encountered an $ORIGIN statement in its input file. This origin is used for subsequent statements.

System Action: None.

User or Operator Response: None.

Origin definition error

Severity: Error.

Explanation: NSDBLOAD encountered an $ORIGIN statement in the input file without an accompanying definition.

System Action: NSDBLOAD terminates.

User or Operator Response: Correct the $ORIGIN statement in the input data file.

Origin has not been defined

Severity: Error.

Explanation: A relative domain name defined in the input file requires a domain origin suffix, but no $ORIGIN statement has been provided.

System Action: NSDBLOAD terminates.

User or Operator Response: Correct the input file to include an "$ORIGIN *domainName*" statement.

---

*RoutineName***: Active open successful on connection** *connNum*

Severity: Informational.

Explanation: The name server has open an active connection with a foreign host using connection *connNum*. This message is logged because TCP connections are not normally used for name server communications. It does not indicate a problem.

System Action: Execution continues.

User or Operator Response: None.

---

*RoutineName***: Address conversion failed for '***IPaddr***'**

Severity: Informational.

Explanation: The data displayed in *IPaddr* is not a valid IP address.

System Action: The effect of this error depends on what is being processed when it is discovered. Usually it will be accompanied by other messages.

User or Operator Response: None.

---

*RoutineName***: Connection:** *connNum*
*RoutineName***: Notification:** *noteType*
*RoutineName***: Amount of space in bytes:** *byteCount***.**
*RoutineName***: New state:** *tcpipState*
*RoutineName***: Reason** *reasonInfo*
*RoutineName***: Bytes delivered:** *byteCount*
*RoutineName***: Push flag:** *flagValue*
*RoutineName***: Last urgent byte:** *value*
*RoutineName***: Bytes to read:** *byteCount*
*RoutineName***: Urgent span:** *value***}**

Severity: Informational.

Explanation: This sequence of messages displays the content of a notification. Not all the messages will be present; the content depends on the type of notification that is received. The messages are displayed because an error just occurred with this notification, or diagnostic tracing is active.

System Action: None.

User or Operator Response: None.

---

*RoutineName***: Branch table error**

Severity: Error.

Explanation: This message indicates we received an IUCV interrupt for a function we do not support.

System Action: All processing for the IUCV interrupt is skipped.

User or Operator Response: None

---

*RoutineName***: Buffer pointer is '***bufferAddress***'x**

Severity: Informational.

Explanation: This message displays the address of the buffer that is about to be displayed. It is associated with various diagnostic traces. It can also occur when an error has occurred and additional diagnostic information about the error is being written to the console.

System Action: Execution continues.

User or Operator Response: This message can be ignored if not accompanied by other messages indicating an error situation.

DNS and Resolver Messages

*RoutineName***: Connection:** *connNum* **Foreign Address:** *IPaddr*

Severity: Informational.

Explanation: This message usually follows another message. It provides the connection number and the IP address of a foreign host for a TCP connection. The message can be issued when a error has occurred on a connection. It can also be issued during *NOTICE* diagnostic tracing.

System Action: None.

User or Operator Response: None.

---

*RoutineName***:** *connType* **connection never opened**

Severity: Warning.

Explanation: A passive or active connection never completed the open process. It may have timed out or the name server may be in the process of shutting down.

System Action: The connection information is cleaned up. The connection can then be used for other activity.

User or Operator Response: None.

---

*RoutineName***: Data length** *size* **> UDPBUFSIZE**

Severity: Informational.

Explanation: The name server received a query via UDP that was larger than the UDP buffer size being used. The incoming data will be truncated, but that does not create any problems with name server operation. This message is only displayed if diagnostic tracing is active.

System Action: None.

User or Operator Response: None.

---

*RoutineName***: Data never delivered on** *connNum* **connection**

Severity: Warning.

Explanation: A passive or active connection never received any data. This is an unexpected situation, and may be accompanied by other error messages. The connection may have timed out or the name server may be in the process of shutting down.

System Action: The connection information is cleaned up. The connection will be reused for other activity.

User or Operator Response: None.

---

*RoutineName***: DATAdelivered error, bytes =** *byteCount*

Severity: Error.

Explanation: The name server received a DATA delivered notification, but the count of the bytes delivered was less than 0.

System Action: The transaction is terminated. The transaction will have to be retried from the originating end.

User or Operator Response: None.

---

*RoutineName***: Datagram reply truncated**

Severity: Error.

Explanation: The data returned from the name server was truncated. This is not expected since a TCP connection was used. The problem is most likely with the name server.

System Action: The operation is terminated.

User or Operator Response: Route the question to a different name server.

---

*RoutineName***:** *dataType* **data: length is 0**

Severity: Warning.

Explanation: A resource record of type *dataType* should contain data, but the length of the data portion of the record is 0.

System Action: The current transaction may fail. The originating host will have to retry the operation.

User or Operator Response: If the data is from a local SQL table, the input for that table may need to be corrected. The error can also occur because an an invalid resource record was received from another name server.

---

*RoutineName***:** *dataType* **data: no comma or blank**

Severity: Warning.

Explanation: Data from an invalid resource record of type *dataType* was encountered. The resource record is missing a required comma or blank, separating portions of the data.

System Action: Processing of the resource record terminates. The resource record data cannot be sent to another host.

User or Operator Response: Correct the information in the SQL tables.

---

*RoutineName***: Domain Name Server initialization complete**

Severity: Informational.

Explanation: The name server was successfully initialized.

System Action: None.

User or Operator Response: None.

---

*RoutineName***: Duplicate SQL table name** *tableName*

Severity: Error.

Explanation: The name server encountered a duplicate SQL base table name when processing the name server configuration file. The table names used on the Primary and Secondary statements in the name server configuration file must be unique.

System Action: The name server continues, but any zone except the first with the indicated name will not be transferred or useable.

User or Operator Response: Check the name server configuration file and make any changes required to correct the situation. Ensure the data is loaded for any new Primary tables you define.

---

*RoutineName***: Error** *returnCode* **adding RR to database**

Severity: Error.

Explanation: The name server encountered an error inserting a zone transferred resource record into an SQL table. This can happen if the zone data is corrupted or if we run out of space in SQL.

System Action: The resource record is not added to the SQL tables. The zone transfer is terminated.

User or Operator Response: None.

RoutineName: **Error** *returnCode* **beginning TCP/IP service**

Severity: Error.

Explanation: TCP/IP services could not be initialized, making it impossible for the name server to function. The most common cause of this problem is TCP/IP service machine is not operational. The *ReturnCode* can be used to further investigate the nature of the problem.

System Action: The name server will terminate.

User or Operator Response: Investigate why the error may have occurred. Correct the cause of the error and restart the name server.

RoutineName: **Error** *returnCode* **from** *calledRoutine*

Severity: Error.

Explanation: The *calledRoutine* encountered an error and returned with a nonzero *returnCode*. Other messages may give more details about the nature of the specific error. The error is probably the result of invalid data being sent to the name server from another system. The current question or transaction will not complete successfully, but the name server should continue operation and process other questions and transactions without any problems.

System Action: The current operation is usually terminated. The host requesting the service is responsible to retry the operation.

User or Operator Response: None.

RoutineName: **Error in** *TCPIPservice*: *errorInfo*

Severity: Error.

Explanation: An error occurred in a TCP/IP service. The failing service is identified by *TCPIPservice* and the nature of the failure is described by *errorInfo*. Although the TCP/IP services are not expected to encounter errors, temporary network outages and other unusual circumstances may lead to intermittent errors.

System Action: This depends on the failing service. It may lead to the server terminating. It usually results in the current operation being terminated. The host requesting the service is responsible to retry the operation.

User or Operator Response: None.

RoutineName: **Error opening connection to remote name server**

Severity: Warning.

Explanation: An error occurred while attempting to open a TCP connection to a remote name server. The operation that was going to be performed is terminated. This can happen when attempting to initiate a zone transfer or when sending a request to a remote name server via TCP. The action will be retried. The situation can be caused by network outages or failures at the remote host.

System Action: The operation will be retried.

User or Operator Response: None.

RoutineName: **Insufficient data available**

Severity: Warning.

Explanation: The name server received a datagram containing fewer bytes than was requested. The size requested was based on the amount expected and required to continue processing the current request.

System Action: The current request will fail. The request will be retried by the originating host.

User or Operator Response: None.

RoutineName: **Invalid flags '** *xxxx* **'x**

Severity: Error.

Explanation: A name being extracted from a name server packet is incorrectly constructed.

System Action: The data from such a packet is usually discarded. The name server may return an error packet to the sending host with a return code that indicates a formatting error.

User or Operator Response: If these messages become excessive, turn on queue tracing to determine the source of the bad packets and contact the name server administrator of that system.

RoutineName: **Label 0 or > 63 - input '** *hostString* **'**

Severity: Error.

Explanation: A name server host name had an invalid length. The maximum length is 63 characters for any portion of the name, the portions being separated by dots. The length cannot be 0. This is usually the result of invalid data in the local SQL database.

System Action: The packet that was being constructed will be discarded. The invalid data cannot be sent to another host.

User or Operator Response: The *hostString* can be used to indicate what data to check in the SQL database.

RoutineName: *dataType* **length >** *maxLength*

Severity: Warning.

Explanation: The data being processed in a resource record is too long.

System Action: The name server truncates the data to the *MAX length* indicated and sends that data.

User or Operator Response: Correct the resource record defined in the SQL tables.

RoutineName: **Name server shut down with CP EXT**

Severity: Informational.

Explanation: The name server was shut down by an external interrupt, issued with the CP EXT command at the name server console.

System Action: None.

User or Operator Response: None.

RoutineName: **Name server shutting down due to TCP/IP**

Severity: Informational.

Explanation: The TCP/IP stack has informed the name server that it is stopping.

System Action: The name server will terminate, since it cannot operate without the TCP/IP stack. When the TCP/IP stack restarts, it will start the name server if you have configured the TCP/IP stack to do so.

User or Operator Response: None.

DNS and Resolver Messages

RoutineName: **name='***name***', type=***type***, class=***class***

Severity: Informational.

Explanation: The contents of some of the fields of a resource record are displayed.

System Action: None.

User or Operator Response: None.

RoutineName: **New serial** *value* **old serial** *value*

Severity: Informational.

Explanation: The name server has received the serial of the zone it is considering transferring. It is displaying the new and the old serials. If they match, a zone transfer is not required. This message only occurs when diagnostic tracing is active.

System Action: None.

User or Operator Response: None.

RoutineName: **New** *domain* **SOA: serial** *serial* **refresh** *value*

Severity: Informational.

Explanation: The name server is in the process of transferring a zone and has just received the current SOA record for the zone. It is displaying the values in the SOA record. This message only occurs when diagnostic tracing is active.

System Action: None.

User or Operator Response: None.

RoutineName: **No data available**

Severity: Warning.

Explanation: The name server received a datagram without data.

System Action: The datagram is ignored.

User or Operator Response: None.

RoutineName: **No room: retend** *memoryAddress* **retp** *memoryAddress*

Severity: Informational.

Explanation: The name server exceeded buffer capacity. The location of the memory and the current position in memory are also displayed, since they may be helpful in identifying the cause of the error. The message will be accompanied by another message indicating what type of data was being processed when the error occurred.

This message will be displayed any time the situation occurs if tracing is enabled. Otherwise, it will only be displayed when the answer portion of the packet had to be truncated. Since that condition can lead to unresolved hosts, that error is considered "Warning" level, and is displayed even when tracing is disabled. Depending on how the partial answer is handled, it still may not result in any observable problem.

System Action: The partial packet is used. The data it contains is usually sufficient to continue processing.

User or Operator Response: None.

RoutineName: **No room for** *InformationType*

Severity: Warning.

Explanation: The name server exceeded buffer capacity. The *InformationType* that was being processed is displayed. This can be caused by the receipt of a truncated packet. It can also occur when an outbound packet is being constructed and not all the data will fit. In most cases, this does not indicate a problem. If the host that asked the question did not get all the information it needed because it would not fit in a single packet, it will ask additional questions or attempt to obtain the data via TCP.

This message will be displayed any time the situation occurs if tracing is enabled. Otherwise, it will only be displayed when the answer portion of the packet had to be truncated. Since that condition can lead to unresolved hosts, that error is considered "Warning" level, and is displayed even when tracing is disabled. Depending on how the partial answer is handled, it still may not result in any observable problem.

System Action: The partial packet is used. The data it contains is usually sufficient to continue processing.

User or Operator Response: None.

RoutineName: **No room for header**

Severity: Warning.

Explanation: The name server could have exceeded buffer capacity while building a packet, if the error occurred while attempting to send a packet. Also, the packet received by the name server may have been too small to contain a name server packet header. Other messages will indicate the direction of the packet.

This message will be displayed any time the situation occurs if tracing is enabled. Otherwise, it will only be displayed when the answer portion of the packet had to be truncated. Since that condition can lead to unresolved hosts, that error is considered "Warning" level, and is displayed even when tracing is disabled. Depending on how the partial answer is handled, it still may not result in any observable problem.

System Action: The packet is ignored.

User or Operator Response: When the packets are inbound, they represent errors on the part of the sender. If these messages become excessive, turn on queue tracing to determine the source of the bad packets and contact the name server administrator of that system.

RoutineName: **No room for label - input '***hostString***'**

Severity: Warning.

Explanation: A packet was being constructed, and the buffer in which it is being constructed has run out of space. There are usually multiple packets put in a buffer in response to questions from foreign hosts. This message, by itself, does not indicate any error.

This message will be displayed any time the situation occurs if tracing is enabled. Otherwise, it will only be displayed when the answer portion of the packet had to be truncated. Since that condition can lead to unresolved hosts, that error is considered "Warning" level, and is displayed even when tracing is disabled. Depending on how the partial answer is handled, it still may not result in any observable problem.

System Action: Datagram construction is halted. The truncated datagram is forwarded to the requesting host.

User or Operator Response: If this message is occurring often, ensure that *QUEUE* tracing is disabled.

RoutineName: **No room for type and class**

Severity: Warning.

Explanation: The name server exceeded buffer capacity. This can be caused by the receipt of a truncated packet. It can also occur when an outbound packet is being constructed and not all the data will fit. In most cases, this does not indicate a problem. If the host that asked the question did not get all the information it needed because it would not fit in a single packet, it will ask additional questions or attempt to obtain the data via TCP.

This message will be displayed any time the situation occurs if tracing is enabled. Otherwise, it will only be displayed when the answer portion of the packet had to be truncated. Since that condition can lead to unresolved hosts, that error is considered "Warning" level, and is displayed even when tracing is disabled. Depending on how the partial answer is handled, it still may not result in any observable problem.

System Action: The host uses the partial packet. The data it contains is usually sufficient, and processing continues..

User or Operator Response: None.

RoutineName: **No SOA or NS records found**

Severity: Warning.

Explanation: The message indicates a probable configuration problem. If you have configured to operate the name server as a secondary name server, and have never previously started it so that the SQL tables do not have any data for the domains you are supporting, then this message does not represent an problem. If you are acting as a primary name server, the SQL data should contain SOA and NS records for you to operate properly.

System Action: None.

User or Operator Response: Verify that the zone data contains the correct SOA and NS resource records.

RoutineName: **NONEXISTENT notify arrived, reason** *value*

Severity: Informational.

Explanation: A connection state change to nonexistent is being processed. The reason code is displayed and can be used to determine why the connection has disappeared. Other messages will also be present indicating other information contained in the notification the name server is processing. The message is only issued during *NOTICE* diagnostic tracing.

System Action: None.

User or Operator Response: None.

RoutineName: **Normal connection closing**

Severity: Informational.

Explanation: One of the name server's connections closed. The message is only issued during diagnostic tracing.

System Action: None.

User or Operator Response: None.

RoutineName: **Notice arrives -->**

Severity: Informational.

Explanation: We have just started processing a new piece of work delivered via the PASCAL API. The message is only issued during *NOTICE* diagnostic tracing.

System Action: None.

User or Operator Response: None.

RoutineName: **Passive open for port** *portNumber* **failed, rc = ** *ReturnCode*

Severity: Error.

Explanation: The name server could not start its communications with the TCP/IP stack.

System Action: During initialization and in most other cases, this will cause the name server to terminate.

User or Operator Response: Examine the *ReturnCode* to determine the nature of the error.

RoutineName: **qname='***name***', qtype=***type***, qclass=***class*

Severity: Informational.

Explanation: This message displays the contents of a name server query. This message is most often seen when various diagnostic traces are active, but can also occur when an error has occurred to indicate the question the error is associated with.

System Action: Execution continues.

User or Operator Response: None.

RoutineName: **Request for storage of size** *bytesOfStorage*

Severity: Informational.

Explanation: This message is usually seen during diagnostic storage tracing. It can also be seen if the name server requests an invalid storage size (negative or 0) or the virtual machine does not have enough free storage to satisfy the name server's storage request.

System Action: Execution continues.

User or Operator Response: None.

RoutineName: **Resetting refresh value**

Severity: Informational.

Explanation: The zone-transfer refresh timer has popped, and the name server has contacted a remote name server to see if our name server's data needs to be refreshed from the remote name server. The message indicates a zone transfer is not required at this time.

System Action: The zone-transfer refresh timer is reset and restarted.

User or Operator Response: None.

RoutineName: **Response from unexpected address** *fromAddress*, **expected** *expectedAddress*

Severity: Warning.

Explanation: A name server query was forwarded to a remote name server for processing. The response was received, but it was not received from the IP address that it was sent to. This situation happens infrequently, and usually when it does it is not an indication of a problem. There is a small chance that the response was not returned by a name server and was intended to cause problems for

DNS and Resolver Messages

your name server. If this message occurs frequently, it may be prudent to investigate their occurrence.

System Action: Execution continues.

User or Operator Response: None.

RoutineName: **Results from TcpStatus**

Severity: Informational.

Explanation: This is the header line preceding a display of the status of a TCP connection. The message is only issued during *NOTICE* diagnostic tracing.

System Action: None.

User or Operator Response: None.

RoutineName: **Sending** *domainName* **zone**

Severity: Informational.

Explanation: This message indicates that the local name server is transferring the *domainName* zone to some other host. This message is only displayed if diagnostic tracing is active.

System Action: None.

User or Operator Response: None.

RoutineName: **TCP table not defined, no zones defined**

Severity: Error.

Explanation: There do not appear to be any SQL tables defined, but there are configuration statements present that indicate the need to use SQL. A SQL table containing resource records must be defined.

System Action: The name server attempts to continue. It may be able to operate in a caching only mode.

User or Operator Response: Correct the configuration error either by creating an SQL table or using a caching-only configuration.

RoutineName: **TCP/IP service initiated**

Severity: Informational.

Explanation: The name server's TCP/IP initialization was successful.

System Action: None.

User or Operator Response: None.

RoutineName: **tcpclose failed for active conn** *connNum*

Severity: Warning.

Explanation: After returning a query answer, the name server fails to close the TCP connection. The remote host may have already closed the connection.

System Action: None.

User or Operator Response: None.

RoutineName: **The following traces are in effect:** *traceList*

Severity: Informational.

Explanation: This message shows the list of traces that are currently active.

System Action: None.

User or Operator Response: None.

RoutineName: **Timer expired for connection** *connNum*

Severity: Warning.

Explanation: A TIMER expired notification while waiting for a TCP connection to close.

System Action: None.

User or Operator Response: See *TCP/IP Programmer's Reference* for a list of possible return codes from TcpClose.

RoutineName: **ttl=**value **rdata='**value**'**

Severity: Informational.

Explanation: The contents of some of the fields of a resource record are displayed.

System Action: None.

User or Operator Response: None.

RoutineName: **Unable to find VM password in rdata**

Severity: Error.

Explanation: An attempt was made to update the name server data in SQL via IUCV. When the update packet was parsed, no VM password was found. A password is required to make any changes to the SQL data.

System Action: The SQL update is ignored.

User or Operator Response: None.

RoutineName: **Unable to extract TCP view information from SQL, rc =** *returnCode*

Severity: Informational.

Explanation: The default SQL table TCP does not exist. This special table is used to record whether we are using the "0" or "1" level of any SQL tables.

System Action: The name server will default to using the "0" level of any SQL tables.

User or Operator Response: None.

RoutineName: **Undefined remote name server for zone** *domainName*

Severity: Error.

Explanation: The configuration statement for a secondary name server did not specify an IP address for the name server from which to obtain the zone information.

System Action: The zone data is not loaded or available locally.

User or Operator Response: Correct the SECONDARY statement in the configuration file.

RoutineName: **Unexpected question**

Severity: Error.

Explanation: During a zone transfer, a question has arrived in the middle of the transfer data. This should not happen; it is a violation of the protocol.

System Action: The zone transfer aborts. Name server execution continues.

User or Operator Response: None.

*RoutineName***: Unexpected notification** *notificationID*

Severity: Informational.

Explanation: An unexpected notification arrived while waiting for activity on a connection. The notification ID is displayed.

System Action: None.

User or Operator Response: This message can be ignored if not accompanied by other messages indicating an error situation.

---

*RoutineName***: Unexpected query type** *queryType*

Severity: Warning.

Explanation: A name server query arrived that contained a *queryType* that the name server does not recognize and cannot process.

System Action: The query is ignored.

User or Operator Response: None.

---

*RoutineName***: Unknown type during** *SQLfunction*

Severity: Warning.

Explanation: The name server encountered an unknown resource record type while preparing to perform a *SQLfunction* database operation.

System Action: The name server's response to the question indicates the query failed.

User or Operator Response: None.

---

*RoutineName***: Using cache file '***FileId***'**

Severity: Informational.

Explanation: The name server is using *FileId* as the input file for defining the remote name servers that will be used in a CACHINGONLY configuration.

System Action: None.

User or Operator Response: None.

---

*RoutineName***: Using input file** *FileId*

Severity: Informational.

Explanation: The name server issues this message to indicate what configuration file it is using.

System Action: None.

User or Operator Response: None.

---

*RoutineName***: VM id of Name Server Required for IUCV**

Severity: Error.

Explanation: A CMSRESOL command line omitted the name server VM ID. This field is required if IUCV is selected as the connection method; otherwise, it can be omitted. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: CMSRESOL halts and exits.

User or Operator Response: Correct the command syntax.

---

*RoutineName***: VM password is longer than max of 8 chars**

Severity: Error.

Explanation: An attempt was made to update the name server data in SQL via IUCV. When the update packet was parsed, the data that was expected to be a VM password was longer than 8 characters and was considered to be invalid. A password is required to make any changes to the SQL data.

System Action: The SQL update is ignored.

User or Operator Response: None.

Select remarks

Severity: Informational.

Explanation: NSDBLOAD is issuing an SQL SELECT REMARKS command while attempting to determine whether to update the "0" table or the "1" table.

System Action: Processing continues.

User or Operator Response: None.

Table *tableName* **already exists**

Severity: Informational.

Explanation: NSTABLE creates two SQL tables for each SQL base table name. An SQL table with that name already exists. This message will be seen when running NSTABLE to create new tables when there are other tables defined in the configuration file that have been previously created.

System Action: Execution continues. The existing tables are not changed in any way.

User or Operator Response: None.

Timeout arg missing

Severity: Error.

Explanation: A CMSRESOL command line omitted a *timeout-interval* specification. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Verify the correct use of the TIMEOUT value in the parameter list.

Too many nested parentheses

Severity: Error.

Explanation: A CMSRESOL command line contained an incorrect number of nested parentheses; the maximum is two levels of nested parentheses. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Verify the correct syntax of the command.

Too many parms in *section* **entry**

Severity: Error.

Explanation: A CMSRESOL command line contained a question, additional, or answer entry with too many parameters. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Verify the correct syntax of the command.

Too many right parens

Severity: Error.

Explanation: A CMSRESOL command line contained an incorrect number of right parentheses. See *TCP/IP User's Guide* for the syntax of the CMSRESOL command.

System Action: The CMSRESOL command terminates.

User or Operator Response: Verify the correct syntax of the command.

UNEXPECTED SQL ERROR RETURNED
SQLCODE: *returnCode*
CHANGES WILL BE BACKED OUT
FAILING SQL STATEMENT IS:
   SQLstatement

Severity: Error.

Explanation: These messages may be issued from NSACQ or NSTABLE. The command encountered a fatal SQL error.

System Action: All previous non-committed work is rolled back. The command terminates with a return code of *returnCode*.

User or Operator Response: Examination of the *SQLstatement* and the *returnCode* may indicate the nature of the problem. Correct the problem and retry the command.

Update statistics on the *tableName* **table**

Severity: Informational.

Explanation: NSDBLOAD updates the statistics for the table just processed after all the records have been added.

System Action: None.

User or Operator Response: None.

Using input file *FileName*

Severity: Informational.

Explanation: NSTABLE and NSDBLOAD issue this message to indicate what configuration file they are using.

System Action: None.

User or Operator Response: None.

Using sql table *tableName*

Severity: Informational.

Explanation: NSDBLOAD is indicating which SQL table will be processed.

System Action: NSDBLOAD continues.

User or Operator Response: None.

Chapter 3. FTP Messages

This chapter contains File Transfer Protocol (FTP) messages.

Unnumbered Messages

*** Warning: Could not load the Hangeul translation table Ensure Hangeul translate table file is accessible

Severity: Error.

Explanation: The FTP server was attempting to load a DBCS translation table from the TCPHGBIN binary translate table file. All files in the search order hierarchy for TCPHGBIN either do not exist or do not contain data in the required format for DBCS binary translate tables.

User or Operator Response: Configure a valid DBCS binary translate table file in the search order hierarchy for TCPHGBIN. See the *TCP/IP Planning and Customization* book for more information about loading and customizing DBCS translation tables.

System Action: No Hangeul translation table is loaded, and program execution continues. Hangeul and KSC5601 DBCS conversion types will be unavailable.

Source File: FTSRVPA PASCAL

Procedure Name: Initialize

*** Warning: Could not load the Kanji translation table Ensure Kanji translate table file is accessible

Severity: Error.

Explanation: The FTP server was attempting to load a DBCS translation table from the TCPKJBIN binary translate table file. All files in the search order hierarchy for TCPKJBIN either do not exist or do not contain data in the required format for DBCS binary translate tables.

User or Operator Response: Configure a valid DBCS binary translate table file in the search order hierarchy for TCPKJBIN. See the *TCP/IP Planning and Customization* book for more information about loading and customizing DBCS translation tables.

System Action: No Kanji translation table is loaded, and program execution continues. Kanji DBCS conversion types will be unavailable.

Source File: FTSRVPA PASCAL

Procedure Name: Initialize

*** Warning: Could not load the Tchinese translation table Ensure Tchinese translate table file is accessible

Severity: Error.

Explanation: The FTP server was attempting to load a DBCS translation table from the TCPCHBIN binary translate table file. All files in the search order hierarchy for TCPCHBIN either do not exist or do not contain data in the required format for DBCS binary translate tables.

User or Operator Response: Configure a valid DBCS binary translate table file in the search order hierarchy for TCPCHBIN. See the *TCP/IP Planning and Customization* book for more information about loading and customizing DBCS translation tables.

System Action: No Traditional Chinese translation table is loaded, and program execution continues. The Traditional Chinese DBCS conversion type will be unavailable.

Source File: FTSRVPA PASCAL

Procedure Name: Initialize

An error occurred during FTP server termination while attempting to notify the Byte File System that it should now respect file pool administration authority for the FTP server virtual machine.

Severity: Error.

Explanation: The FTP server attempted to call the BPX1VM5 callable service to notify the BFS server machine that it should now respect file pool administration authority for the FTP server virtual machine, but the call has failed.

User or Operator Response: Try to determine why the call to the BPX1VM5 function failed, and correct the problem. If the TRACE parameter was specified when the FTP server is started, the debug trace file (FILE DEBUGTRA) on the server's 191 disk will contain the return code information from the call to BPX1VM5.

System Action: The BFS server will not honor file pool admin authority when determining authorization levels for the FTP server virtual machine (it will continue to use the effective UID and GID values for checking authorization).

Source File: FTSVMSUB PASCAL

Procedure Name: SystemTerminate

| **Cannot drop connection** *conn_num* **- data connection**

| **Severity:** Error.

| **Explanation:** The indicated connection number represents a data
| connection and cannot be dropped.

| **User or Operator Response:** None.

| **System Action:** None.

| **Source File:** FTSEVEN

| **Procedure Name:** DoDrop

Cannot load HANGEUL translate table *file*

Severity: Informational.

Explanation: The FTP client was attempting to load a DBCS translation table from the TCPHGBIN binary translate table file. All files in the search order hierarchy for TCPHGBIN either do not exist or do not contain data in the required format for DBCS binary translate tables.

User or Operator Response: Configure a valid DBCS binary translate table file in the search order hierarchy for TCPHGBIN. See the *TCP/IP Planning and Customization* book for more information about loading and customizing DBCS translation tables.

System Action: No Hangeul translation table is loaded, and program execution continues. Hangeul or KSC5601 DBCS conversion types will be unavailable.

Source File: FTMAIN PASCAL

Procedure Name: Initialize

Cannot load KANJI translate table *file*

Severity: Informational.

Explanation: The FTP client was attempting to load a DBCS translation table from the TCPKJBIN binary translate table file. All files in the search order hierarchy for TCPKJBIN either do not exist or do not contain data in the required format for DBCS binary translate tables.

User or Operator Response: Configure a valid DBCS binary translate table file in the search order hierarchy for TCPKJBIN. See the *TCP/IP Planning and Customization* book for more information about loading and customizing DBCS translation tables.

System Action: No Kanji translation table is loaded, and program execution continues. Kanji DBCS conversion types will be unavailable.

Source File: FTMAIN PASCAL

Procedure Name: Initialize

Cannot load TCHINESE translate table *file*

Severity: Informational.

Explanation: The FTP client was attempting to load a DBCS translation table from the TCPCHBIN binary translate table file. All files in the search order hierarchy for TCPCHBIN either do not exist or do not contain data in the required format for DBCS binary translate tables.

User or Operator Response: Configure a valid DBCS binary translate table file in the search order hierarchy for TCPCHBIN. See the *TCP/IP Planning and Customization* book for more information about loading and customizing DBCS translation tables.

System Action: No Traditional Chinese translation table is loaded, and program execution continues. The Traditional Chinese DBCS conversion type will be unavailable.

Source File: FTMAIN PASCAL

Procedure Name: Initialize

Cannot load translate table *TranslateTableName* **:** *ReturnCode*

Severity: Fatal.

Explanation: Fatal error.

User or Operator Response: Check the return codes, correct your input, and resubmit the job. Verify the installation of the translation tables.

System Action: FTMAIN is exited.

Source File: FTMAIN PASCAL

Procedure Name: Initialize

| **Cannot read file, file attributes not available.**

| **Explanation:** While attempting to transfer a file, the file attributes are obtained via an internal CMS system call. This system call failed, so we were unable to transfer the file. One situation that causes this problem is when the file is in an SFS file pool, the file is ESM protected, and the SFS CRR server is not running. A possibility in the case of minidisk files is that the minidisk is corrupted.

| **User or Operator Response:** Contact your system programmer or support desk. You may be able to get around the problem if the file is in an SFS filepool by copying the file to a minidisk and transferring the file from the minidisk.

| **System Programmer Response:** Investigate the characteristics of the file to determine why the file attributes may not be available to the user attempting the file transfer.

| **System Action:** Error messages are issued and the transfer is aborted.

| **Source File:** FTPROCS PASCAL

| **Procedure Name:** RecordToAscii()

| **Cannot release filemode** *fm* **- reserved by the server**

| **Severity:** Error.

| **Explanation:** The SMSG RELEASE command was received but the file mode specified is reserved for server use and cannot be released/detached using this command.

| **User or Operator Response:** None.

| **System Action:** None.

| **Source File:** FTSEVEN

| **Procedure Name:** DoRelease

Cannot start ServerFtp: *ReturnCode*

Severity: Error.

Explanation: You received a nonzero return code at initialization.

User or Operator Response: Identify the problem and resubmit the job.

System Action: The server program halts.

Source File: FTSRVPA PASCAL

Procedure Name: MainLoop

Cannot write to FILEDEF 'OUTPUT DISK' file.

Severity: Error.

Explanation: An OUTPUT DISK OS data set definition has been established using a prior FILEDEF command, but his definition cannot be used. When such a definition exists, FTP dialog output is directed to the named CMS file.

User or Operator Response: If necessary, use the QUERY FILEDEF command to display all file definitions in effect. Then, verify that the minidisk or directory associated with this definition is available, and has been accessed with read/write status. If subcommand output is not to be directed in this manner, use the FILEDEF CLEAR command to remove the offending definition.

System Action: None.

Source File: FTCVMSUB PASCAL

Procedure Name: OpenInputOutput

Command not supported. Translation Table not loaded.

Severity: Informational.

Explanation: A valid FTP client TYPE subcommand was entered to change the current transfer type, but the DBCS translation table required for that transfer type is not loaded.

User or Operator Response: Configure a valid DBCS binary translate table file in the search order hierarchy for the required DBCS translation table, and specify LOADDBCSTABLE in FTP DATA for the required DBCS translation table. See the *TCP/IP Planning and Customization* book for more information about loading and customizing DBCS translation tables.

System Action: Program execution continues. The current FTP transfer type is unchanged.

Source File: FTPROCS PASCAL

Procedure Name: DoTypes

Command Received on conn #*nn*: *command*

Severity: Informational.

Explanation: A FTP command was encountered on the control connection numbered *nn* of the FTP server. The actual command encountered is *Command*, which is the entire command string up to its terminating carriage return. This aids in problem diagnosis by indicating exactly what commands are being received from the connected FTP clients.

User or Operator Response: None; this is an informational message encountered in FTP server traces.

System Programmer Response: None.

System Action: None.

Source File: FTSCMD PASCAL

Procedure Name: DoCommand()

| **Connection** *conn_num* **has already been dropped.**
| **Cannot drop connection** *conn_num* **- no user or active user.'**

| **Severity:** Error.

| **Explanation:** No active connection exists with the indicated
| connection number.

| **User or Operator Response:** None.

| **System Action:** None.

| **Source File:** FTSEVEN

| **Procedure Name:** DoDrop

Could not initiate emulation of EC mode

Severity: Error.

Explanation: This message is output from the SysPrintError procedure just before FTP shutdown.

User or Operator Response: Correct your input and try again.

System Action: None.

Source File: FTSYPRO PASCAL

Procedure Name: SysPrintError

Currently shutting down; will shut down immediately.

Severity: Error.

Explanation: The ShutDownAndDie procedure issues this informational message to inform you that processing will halt momentarily.

User or Operator Response: Correct the problem and resubmit the job.

System Action: When an external interrupt is received, the procedure ShutDownAndDie is called. All connections are aborted, and SRVRFTP terminated. The variable ShuttingDown is set to true once shutdown has been initiated. A delay may occur while waiting for connections to close. If a second external interrupt is received while shutting down, the program terminates immediately.

Source File: FTSEVEN PASCAL

Procedure Name: ShutDownAndDie

Data to be written exceeds maximum file LRECL; source ASCII file probably lacks record delimiters.

Severity: Error.

Explanation: This message is issued during the processing of an FTP GET subcommand where the source file is in ASCII format and the target file is to be converted to an EBCDIC format. After receiving notification that the data transfer was complete, the code detected that the residual byte count (the number of bytes that had not yet been written to disk) exceeded the maximum supported LRECL. FTP GET logic processes each buffer of data received from TCPIP to write out each delimited line (delimited by CR-LF) to a separate file record. This error implies that, after the data transfer was completed, the data not yet written to disk represented a string whose length was in excess of the maximum supported file LRECL (65535).

User or Operator Response: Ensure that the source ASCII file has its lines correctly delimited by a CR-LF sequence (as required by the FTP RFC). If the file does not have proper line delimiters, update the file to include the CR-LF sequence at the end of each line and retransmit the file. An alternative is to reduce the total number of bytes in the source file to be less than or equal to 65535. FTP logic will then process the file as though it contained a single record. It will be the receiver's responsibility to decompose the resultant file into records corresponding to the original file structure.

System Action: The file transfer is aborted. No data is written to disk. If FTP had been invoked with the EXIT option, the FTP session is terminated with return code 16150. Otherwise, the Command prompt is displayed and FTP awaits the next user subcommand.

Source File: FTPROCS PASCAL

Procedure Name: AsciiToRecord

DIR/LS unimplemented in either Block Mode or Image Type

Severity: Informational.

Explanation: While preparing to issue a DIR or LS command, the FTP client attempted to dynamically switch from a transfer mode of Binary to Stream or from a data format of Image to ASCII. The switch has been rejected by the foreign host.

User or Operator Response: In practice, this message should never be seen since hosts are required by the FTP RFC to support switching between Binary and Stream or Image and ASCII. The failure should be brought to the attention of your system programmer. As a possible circumvention, try explicitly establishing the required mode and format using the applicable subcommands before issuing the DIR or LS subcommand. The transfer mode and data format can then be reset after obtaining the requested output. Alternately, it may be possible to obtain the directory information before setting the transfer mode and data format.

System Programmer Response: Check the available documentation for any possible prohibitions against issuing subcommands requiring ASCII format and Stream mode while other transfer characteristics are in effect. If any are found, ensure that your user community is aware of the restrictions and any applicable circumvention methods. If there are none, refer the error to the Support organization for the server code which rejected the dynamic switch.

System Action: The requested operation is not performed. If the FTP session was established in batch mode, it is terminated with the reply code and error code received from the attempt to reset the mode to stream or the format to ASCII. Otherwise, the "Command:" prompt is presented and the client waits for the next user interaction.

Source File: FTPROCS PASCAL

FTP Messages

Procedure Name: GetDIR

| **DMSESM rc=<>; All minidisk links will be performed using**
| **native CP security services**

| **Severity:** Error.

| **Explanation:** CSL routine DMSESM returned a nonzero return
| code and was unable to obtain a security token for ESM calls.

| **User or Operator Response:** Contact your RACF administrator to
| determine the cause of the problem.

| **System Action:** FTMAIN is exited.

| **Source File:** FTMAIN PASCAL

| **Procedure Name:** SystemInitialize

| **DMSPWCHK call returns <*rc*>; Logdata: '<>'**

| **Severity:** Error.

| **Explanation:** CSL routine DMSPWCHK returned a return code
| greater than 8 and was unable to validate the password.

| **User or Operator Response:** Contact your RACF administrator to
| determine the cause of the problem.

| **System Action:** None.

| **Source File:** FTSVMSUB PASCAL

| **Procedure Name:** DoPass

E - SFSFLAG is on but WorkUnit is zero; System Error.

Severity: Error.

Explanation: An internal error occurred.

User or Operator Response: Close the current connection and
issue the Open command to re-establish the connection.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoCwd

Enter a second STOP command to shutdown immediately

Severity: Error.

Explanation: The ShutDownAndDie procedure issues this message
when there are open connections. You must terminate these open
connections before shutdown is complete.

User or Operator Response: To terminate the open connections,
enter the STOP command.

System Action: When an external interrupt is received, the
procedure ShutDownAndDie is called. All connections are aborted,
and SRVRFTP terminated. The variable ShuttingDown is set to true
once shutdown has been initiated. A delay can occur while waiting
for connections to close. If a second external interrupt is received
while shutting down, the program terminates immediately.

Source File: FTSEVEN PASCAL

Procedure Name: ShutDownAndDie

Error in init: Handle returns *ReturnCode*

Severity: Error.

Explanation: Program initialization was unsuccessful.

User or Operator Response: Check the return codes, correct your
input, and resubmit the job.

System Action: FTMAIN is exited.

Source File: FTMAIN PASCAL

Procedure Name: Initialize

Error opening local file: Local file has invalid record format.
Error opening local file: Insufficient virtual storage available.
Error opening local file: APPC/VM error.
Error opening local file: File sharing conflict.
Error opening local file: A required system resource is
unavailable.
Error opening local file: File cannot be opened. (code = *n***)**

Severity: Error.

Explanation: The FSOPEN failed when you attempted to replace
an existing file. No data has been written. If shown, 'code = n' is
the return code from the CMS FSOPEN Macro.

User or Operator Response: Correct the problem and reissue the
command or change the command to write a new file, instead of
replacing a file.

System Action: None.

Source File: FTSVMSUB PASCAL, FTCVMSUB PASCAL

Procedure Name: SOpenFscb, OpenFscb

FILEDEF 'INPUT DISK' file not found.

Severity: Error.

Explanation: An INPUT DISK OS data set definition has been
established using a prior FILEDEF command, but no corresponding
CMS file for this definition exists. When such a definition exists, FTP
relies upon this file as a source for subcommand input.

User or Operator Response: If necessary, use the QUERY
FILEDEF command to display all file definitions in effect. Then,
verify that a CMS file of the appropriate name exists, and contains
the desired subcommand input. If subcommand input is not to be
obtained in this manner, use the FILEDEF CLEAR command to
remove the offending definition.

System Action: None.

Source File: FTCVMSUB PASCAL

Procedure Name: OpenInputOutput

| **Filemode** *fm* **for RDR parameter is invalid or not writable**
| **No filemode specified for RDR parameter**

| **Severity:** Error.

| **Explanation:** A valid file mode is required with the RDR parameter
| on the SRVRFTP command.

| **User or Operator Response:** Correct the syntax and reenter the
| command.

| **System Action:** The server program halts.

| **Source File:** FTSVMSUB, FTPRVPA

| **Procedure Name:** SystemInitialize, Initialize

| **FTP connection number** *conn_num* **is invalid.**
| **No connection number specified**

| **Severity:** Error.

| **Explanation:** The indicated number is not a connection number
| associated with any connections being managed or used by the FTP
| server, or no connection number was specified.

| **User or Operator Response:** Reissue your command with an
| appropriate connection number specified.

| **System Action:** None

| **Source File:** FTSEVEN

| **Procedure Name:** DoDrop

FTP DATA token CCONNTIME out of range - Default value used.

Severity: Informational.

Explanation: The value for CCONNTIME in the FTP DATA file is
not valid.

User or Operator Response: If necessary, terminate the FTP
session and correct the CCONNTIME keyword value in the FTP
DATA file.

System Action: FTP client will use the default timeout value for
CCONNTIME. Processing continues normally.

Source File: FTCVMSUB PASCAL

Procedure Name: ReadVMFtpData

**FTP DATA token DATACTTIME out of range - Default value
used.**

Severity: Informational.

Explanation: The value for DATACTTIME in the FTP DATA file is
not valid.

User or Operator Response: If necessary, terminate the FTP
session and correct the DATACTTIME keyword value in the FTP
DATA file.

System Action: FTP client will use the default timeout value for
DATACTTIME. Processing continues normally.

Source File: FTCVMSUB PASCAL

Procedure Name: ReadVMFtpData

FTP DATA token DCONNTIME out of range - Default value used.

Severity: Informational.

Explanation: The value for DCONNTIME in the FTP DATA file is
not valid.

User or Operator Response: If necessary, terminate the FTP
session and correct the DCONNTIME keyword value in the FTP
DATA file.

System Action: FTP client will use the default timeout value for
DCONNTIME. Processing continues normally.

Source File: FTCVMSUB PASCAL

Procedure Name: ReadVMFtpData

FTP DATA token INACTTIME out of range - Default value used.

Severity: Informational.

Explanation: The value for INACTTIME in the FTP DATA file is not
valid.

User or Operator Response: If necessary, terminate the FTP
session and correct the INACTTIME keyword value in the FTP DATA
file.

System Action: FTP client will use the default timeout value for
INACTTIME. Processing continues normally.

Source File: FTCVMSUB PASCAL

Procedure Name: ReadVMFtpData

**FTP DATA token MYOPENTIME out of range - Default value
used**

Severity: Informational.

Explanation: The value for MYOPENTIME in the FTP DATA file is
not valid.

User or Operator Response: If necessary, terminate the FTP
session and correct the MYOPENTIME keyword value in the FTP
DATA file.

System Action: FTP client will use the default timeout value for
MYOPENTIME. Processing continues normally.

Source File: FTCVMSUB PASCAL

Procedure Name: ReadVMFtpData

| **FTP server is missing class B privileges or diagnose 88**
| **authorization**

| **Severity:** Error.

| **Explanation:** The FTP server virtual machine requires class B
| privileges and Diagnose 88 authorization for password checking and
| minidisk links.

| **User or Operator Response:** Ensure that the FTP server virtual
| machine's user directory entry includes Class B privileges and an
| OPTION DIAG88 statement.

| **System Action:** The server program halts at this point

| **Source File:** FTSVMSUB

| **Procedure Name:** SystemInitialize

FTP Server shutdown initiated.

Severity: Error.

Explanation: The ShutDownAndDie procedure issues this
informational message.

User or Operator Response: Correct the problem and resubmit
the job.

System Action: When an external interrupt is received, the
procedure ShutDownAndDie is called. All connections are aborted,
and SRVRFTP terminated. The variable ShuttingDown is set to true
once shutdown has been initiated. A delay may occur while waiting
for connections to close. If a second external interrupt is received
while shutting down, the program terminates immediately.

Source File: FTSEVEN PASCAL

Procedure Name: ShutDownAndDie

FTP: tcp parameter requires a virtual machine.

Severity: Error.

| **Explanation:** You have specified the **TCP** startup parameter, but
| did not provide a VM user ID.

| **User or Operator Response:** Specify a valid VM user ID following
| the **TCP** parameter.

System Action: None.

Source File: FTSRVPA PASCAL

Procedure Name: Initialize

| **FTPEXIT: Unexpected return, type =** *ExitType***, rc =** *rc*

| **Severity:** Error.

| **Explanation:** The Ftp server exit (FTPEXIT ASSEMBLE) returned
| to the server with a return code other than 0, 4, 8, or 12.

| **User or Operator Response:** Review the FTPEXIT ASSEMBLE
| file and correct the problem; then reassemble and reload the
| FTPEXIT routine.

| **System Action:** None.

| **Source File:** FTSVMSUB, FTSCMD

| **Procedure Name:** CallFTPexit, DoCommand

IAC Encountered on conn #*nn***:** *xxxx*

Severity: Informational.

Explanation: An IAC control sequence was encountered on the
control connection numbered *nn*. The actual command encountered
is *xxxx*, where the first byte is the interrupt character (should always
be x'FF') and the second byte is the actual command. See the
TELNET RFC for details commands.

User or Operator Response: None. This is an informational
message encountered in FTP server traces.

System Programmer Response: None.

System Action: None.

Source File: FTSCMD PASCAL

Procedure Name: DoCommand()

**In ReadVMFtpData: FTP DATA file not available - Default values
used**

Severity: Informational.

Explanation: No FTP DATA file could be found in the minidisk
search order of the user. This message is only issued if client
tracing is active.

User or Operator Response: None. If you had created an FTP
DATA file to provide timeout overrides, terminate the FTP session,
insure the proper minidisks are accessed, and invoke FTP again to
run with the desired overrides.

System Action: FTP client will use the default timeout values or
the timeout values specified on the TIMEOUT invocation parameter,
if given. Processing continues normally.

Source File: FTMAIN PASCAL

Procedure Name: MainLoop

| **Invalid filemode** *fm* **specified.**
| **Filemode** *fm* **not accessed by the server.**

| **Severity:** Error.

| **Explanation:** The SMSG RELEASE command was received but
| the file mode was not a valid file mode or is not currently accessed
| by the FTP server.

| **User or Operator Response:** Issue SMSG QUERY ACCESSED
| command to obtain a list of disks/directories currently accessed by
| the FTP server. Then reissue the SMSG RELEASE command with
| a valid file mode specified.

| **System Action:** None.

| **Source File:** FTSEVEN

| **Procedure Name:** DoRelease

Invalid number *BadInput*.

Severity: Error.

Explanation: You made an input error. The incorrect port
designation number or inactive time input is listed.

User or Operator Response: Check your input syntax and try
again.

System Action: The server program halts.

Source File: FTSRVPA PASCAL

Procedure Name: BadNumber

Kjlbm2Jis : Conversion error on WaitKanji1 *Character*

Severity: Error.

Explanation: A translation conversion error has occurred. FTP
encountered an EBCDIC character in the input buffer that it cannot
translate to Kanji.

User or Operator Response: Check the file content to ensure that
it has double-byte character string (DBCS) characters and try again.

System Action: None.

Source File: FTKJCONV PASCAL

Procedure Name: KJIBM2JIS

Kjlbm2Jis : Conversion error on WaitKanji2 *Character*

Severity: Error.

Explanation: A translation conversion error has occurred. FTP
encountered an unidentifiable EBCDIC character in the input buffer
that it cannot translate to ASCII.

User or Operator Response: Check the file content for DBCS
characters.

System Action: None.

Source File: FTKJCONV PASCAL

Procedure Name: KJIBM2JIS

Kjlbm2Jis : Error Unknown Mode = *Mode*

Severity: Error.

Explanation: FTP encountered a mode that was not ShiftJIS, EUC,
JIS78, or JIS83.

User or Operator Response: Issue the correct mode and try
again.

System Action: The default is set to ShiftJIS, and this error
message is displayed.

Source File: FTKJCONV PASCAL

Procedure Name: KJIBM2JIS

Kjlbm2Jis : Phase error

Severity: Error.

Explanation: A phase error has occurred in the Kanji-to-EBCDIC translation procedure.

User or Operator Response: Check the file contents and retransmit.

System Action: None.

Source File: FTKJCONV PASCAL

Procedure Name: KJIBM2JIS

KjJis2Ibm : Conversion error on BraceGot *Character*

Severity: Error.

Explanation: FTP did not find the AsciiB or the AsciiJ character it expected in the next buffer position.

User or Operator Response: Check the input file for an escape sequence.

System Action: FTP sends this error message and displays the buffer position.

Source File: FTKJCONV PASCAL

Procedure Name: KJJIS2IBM

KjJis2Ibm : Conversion error on DallarGot *Character*

Severity: Error.

Explanation: FTP did not find the AsciiB or the Ascii@ character it expected in the next buffer position.

User or Operator Response: Check the input file for an escape sequence.

System Action: FTP sends this error message and displays the buffer position.

Source File: FTKJCONV PASCAL

Procedure Name: KJJIS2IBM

KjJis2Ibm : Conversion error on EscapeGot *Character*

Severity: Error.

Explanation: The conversion process encountered an unidentifiable situation after a ¬$ or |L character combination was found.

User or Operator Response: Check the input file for an escape sequence.

System Action: FTP displays the buffer position at the end of the error message.

Source File: FTKJCONV PASCAL

Procedure Name: KJJIS2IBM

KjJis2Ibm : Conversion error on JisFirst *Character*

Severity: Error.

Explanation: FTP encountered an AsciiEscape character in the buffer when the mode is either JIS78 or JIS83.

User or Operator Response: Check the first byte of the character in the buffer.

System Action: FTP issues this error message and displays the buffer position.

Source File: FTKJCONV PASCAL

Procedure Name: KJJIS2IBM

KjJis2Ibm : Conversion error on JisSecond for the First-half byte. *FirstCharSecondChar*

Severity: Error.

Explanation: FTP encountered an unknown DBCS combination in the translation procedure.

User or Operator Response: Check the input file for the character in the buffer.

System Action: The first half byte and its buffer position are displayed at the end of the error message.

Source File: FTKJCONV PASCAL

Procedure Name: KJJIS2IBM

KjJis2Ibm : Conversion error on JisSecond for the second-half byte. *FirstCharSecondChar*

Severity: Error.

Explanation: FTP encountered an unknown DBCS combination in the translation procedure.

User or Operator Response: Check the input file for the character in the buffer.

System Action: The second half byte and its buffer position are displayed at the end of the error message.

Source File: FTKJCONV PASCAL

Procedure Name: KJJIS2IBM

KjJis2Ibm : Error Unknown Mode = *Mode* **on AlphaNum**

Severity: Error.

Explanation: FTP encountered a mode that was not ShiftJIS, EUC, JIS78, or JIS83.

User or Operator Response: Reissue the type command with the correct mode.

System Action: The default is set to JIS83, and FTP sends this error message.

Source File: FTKJCONV PASCAL

Procedure Name: KJJIS2IBM

KjJis2Ibm : Error unknown Mode = *Mode* **on initialize.**

Severity: Error.

Explanation: FTP encountered a mode that was not ShiftJIS, EUC, JIS78, or JIS83.

User or Operator Response: Issue the TYPE command with the correct mode.

System Action: The default is set to JIS83, and FTP sends this error message.

Source File: FTKJCONV PASCAL

Procedure Name: KJJIS2IBM

KjJis2Ibm: JPhase error

Severity: Error.

Explanation: A Jphase error occurred in the Kanji-to-EBCDIC translation procedure.

User or Operator Response: Check the file for an escape sequence.

System Action: None.

Source File: FTKJCONV PASCAL

Procedure Name: KJJIS2IBM

KjJis2Ibm: Mode error onJisSecond *Mode*

Severity: Error.

Explanation: FTP encountered a mode that was not ShiftJIS, EUC, JIS78, or JIS83.

User or Operator Response: Reissue the TYPE command with a valid mode.

System Action: The default is set to JIS83, and FTP sends this error message.

Source File: FTKJCONV PASCAL

Procedure Name: KJJIS2IBM

Input Disk or Input Terminal must be specified with FILEDEF input.

Severity: Error.

Explanation: An error occurred while using the FTP Exec interface. A device was specified with FILEDEF input that was not DISK or TERMINAL.

User or Operator Response: Specify a device type of Disk or Terminal and try again.

System Action: None.

Source File: FTCVMSUB PASCAL

Procedure Name: InputOutput

| **Link Error: DMSLINK** *Owner addr* **by user** *username* **returns** *rc*

| **Severity:** Error.

| **Explanation:** CSL routine DMSLINK had a paging error attempting
| to LINL a minidisk.

| **User or Operator Response:** Contact your RACF administrator to
| determine the cause of the problem.

| **System Action:** None.

| **Source File:** FTSVMSUB PASCAL

| **Procedure Name:** MinidikLink

| **Load of FTPExit failed, RC =** *rc*

| **Severity:** Error.

| **Explanation:** The load of the FTP user exit, FTPEXIT, has failed
| with the indicated return code from the VMS LOAD command. Any
| exit routine loaded by the procedures listed below remains in
| storage.

| **User or Operator Response:** Correct the problem and try loading
| the exit again. Either restart the server or use the SMSG FTPEXIT
| RELOAD command.

| **System Action:** None.

| **Source File:** FTSVMSUB, FTSEVEN

| **Procedure Name:** SystemInitialize, DoReload

Local file was not erased.
Error storing file: The empty file was not stored on the local directory.
Local file has been erased.
Error storing file: The empty file was not stored on the local directory.

Severity: Error.

Explanation: You attempted to transfer a null file and one of the following conditions occurred:

- The target directory is a minidisk and null files are not supported on minidisks. If there was an existing file with the same name as the one being transferred, it has been deleted.

- The target system has a backlevel CMS or SFS Server which do not support the commands necessary to create the null file. If there was an existing file with the same name as the one being transferred, an explicit rollback has occurred and the file will still exist.

User or Operator Response: None.

System Action: None.

Source File: FTSVMSUB PASCAL, FTPROCS PASCAL

| **Logon prompting disabled, quitting application.**

| **Severity:** Error.

| **Explanation:** The NOPROMPT option has disabled prompts for
| user name and password values and no NETRC DATA file entry was
| found that matches the host specified as part of your command.

| **User or Operator Response:** Ensure the NETRC DATA file
| contains an entry for the target host when the NOPROMPT option is
| used. If you wish to be prompted for a user name and password,
| omit this option when the FTP command is issued.

| **System Action:** Command execution stops.

| **Source File:** FTMAIN

| **Procedure Name:** MainLoop

No CMS Byte File System support available

Severity: Informational.

Explanation: The FTP server attempted to call the BPX1VM5 callable service to notify the BFS server machine that it should ignore file pool administration authority for the FTP server virtual machine (it should use the effective UID and GID values for authority checking), but the call has failed. If the FTP server is running on VM/ESA Version 2 Release 1, then APAR VM60747 is required in order for FTP to support BFS.

User or Operator Response: Try to determine why the call to the BPX1VM5 function failed, and correct the problem. If the TRACE parameter was specified when the FTP server is started, the debug trace file (FILE DEBUGTRA) on the server's 191 disk will contain the return code information from the call to BPX1VM5.

System Action: Server initialization continues with no BFS support available.

Source File: FTSVMSUB PASCAL

Procedure Name: SystemInitialize

No connections open. Shutdown will occur immediately.

Severity: Error.

Explanation: The ShutDownAndDie procedure sends this informational message when there are no open connections.

User or Operator Response: Correct the problem and resubmit the job.

System Action: When an external interrupt is received, the procedure ShutDownAndDie is called. All connections are aborted and SRVRFTP terminated. The variable ShuttingDown is set to true once shutdown has been initiated. A delay may occur while waiting for connections to close. If a second external interrupt is received while shutting down, the program terminates immediately.

Source File: FTSEVEN PASCAL

Procedure Name: ShutDownAndDie

| **No filemode specified**

| **Severity:** Error.

| **Explanation:** The SMSG RELEASE command was received but no file mode was specified.

| **User or Operator Response:** Issue the SMSG RELEASE command with an appropriate file mode specified.

| **System Action:** None.

| **Source File:** FTSEVEN

| **Procedure Name:** DoRelease

| **No such user** *user* **can be found**
| **No active user can be found**

| **Severity:** Error.

| **Explanation:** The user specified is not currently an active FTP user or there are no active FTP users at this time.

| **User or Operator Response:** None.

| **System Action:** None.

| **Source File:** FTSEVEN

| **Procedure Name:** DoQueryUser

Not authorized to access requested local file.

Severity: Error.

Explanation: You attempted to write to a file in the local directory for which you do not have write authority.

User or Operator Response: Change to another local directory or contact the directory owner to gain proper authorization to the file.

System Action: None

Source File: FTSYPRO PASCAL

Procedure Name: SysPrintError

Number **connections in use. Stand by while the connections are aborted.**

Severity: Error.

Explanation: The ShutDownAndDie procedure issues this informational message when there are open connections. These open connections must be terminated before shutdown is complete.

User or Operator Response: Comply with the instructions that are displayed in later messages.

System Action: When an external interrupt is received, the procedure ShutDownAndDie is called. All connections are aborted, and SRVRFTP terminated. The variable ShuttingDown is set to true once shutdown has been initiated. A delay can occur while waiting for connections to close. If a second external interrupt is received while shutting down, the program terminates immediately.

Source File: FTSEVEN PASCAL

Procedure Name: ShutDownAndDie

Server-FTP: Attempt to open log file returns *ReturnCode*

Severity: Error.

Explanation: A nonzero return code resulted from an attempted CMS FILEDEF to append to the FTPSERVE LOG file.

User or Operator Response: Check your VM configuration. When you are satisfied that everything is correct, resubmit the job request.

System Action: The return code reason is listed at the end of the message.

Source File: FTSVMSUB PASCAL

Procedure Name: SystemInitialize

Server-FTP bug *Time Date***:** *ReturnCode*

Severity: Error.

Explanation: This message implies an error in the server FTP code.

User or Operator Response: Ask the system programmer for instructions.

System Programmer Response: Contact the IBM Support Center.

System Action: None.

Source File: FTSUTIL PASCAL

Procedure Name: CheckResult

Server-FTP cannot do its initial passive open

Severity: Error.

Explanation: The SystemTerminate procedure sent a nonzero return code. If additional informational error messages are not displayed, the reason for the nonzero return code is unknown.

User or Operator Response: Correct the problem, and resubmit the job.

System Action: The server program halts at this point.

Source File: FTSRVPA PASCAL

Procedure Name: MainLoop

Server-FTP: program requires EC MODE ON.

Severity: Error.

Explanation: EC MODE is off.

User or Operator Response: Verify that EC MODE, or EC MODE emulation is on. Correct your input and try again.

System Action: The server program halts at this point.

Source File: FTSRVPA PASCAL

Procedure Name: Initialize

Server-FTP: unable to determine virtual machine ID

Severity: Error.

Explanation: FTP cannot determine the server machine's virtual ID.

User or Operator Response: Enter a valid virtual machine identification code. Check the system configuration to ensure that an FTP server machine has been identified and is operational.

System Action: None.

Source File: FTSRVPA PASCAL

Procedure Name: Initialize

TidyFile: FINIS returns *ReturnCode*

Severity: Error.

Explanation: The listed nonzero return code was generated during an invocation of the AMPXSVC2 procedure while performing TidyFile. The procedure is called only for a Data connection to clean up the local file.

User or Operator Response: Correct the problem and try again.

System Action: If the DataFile has been opened and is not yet closed, the procedure closes the file and clears any related filedef.

Source File: FTSVMSUB PASCAL

Procedure Name: TidyFile

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*Time Date***:** *ReturnCode*

Severity: Error.

Explanation: FTP cannot communicate.

User or Operator Response: Wait and try again.

System Action: The time, date, and return code reason are displayed, and the program discontinues processing.

Source File: FTSUTIL PASCAL

Procedure Name: CheckResult

TimeOut *value* **out of range. Must be between 15 and 720. Default Used.**

Severity: Informational.

Explanation: The Timeout value specified on the invocation of FTP was not valid.

User or Operator Response: If necessary, terminate the FTP session and invoke FTP again with a TIMEOUT value between 15 and 720.

System Action: FTP client will use the default timeout values. Processing continues normally.

Source File: FTPARSE PASCAL

Procedure Name: GetOptions

TimeOut *xx* **is not a numerical number. Default Used.**

Severity: Informational.

Explanation: The Timeout value specified on the invocation of FTP was not valid.

User or Operator Response: If necessary, terminate the FTP session and invoke FTP with a TIMEOUT value between 15 and 720.

System Action: FTP client will use the default timeout values. Processing continues normally.

Source File: FTPARSE PASCAL

Procedure Name: GetOptions

Unable to proceed: all possible file modes in use!

Severity: Error.

Explanation: You have used all available minidisk access mode codes. This requires the use of modes A through Z. Although the operating system allows the use of modes A through Z, no meaningful computer processing can be accomplished using this CMS configuration.

User or Operator Response: You can free at least one accessing mode to allow this FTP request to be resubmitted.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: SystemInitialize

Unknown option: *BadOption*

Severity: Error.

Explanation: The listed option is not valid for processing with this release of the FTP server.

User or Operator Response: None.

System Action: This option request is ignored.

Source File: FTSRVPA PASCAL

Procedure Name: Initialize

Unknown Token *token* **in FTP DATA file - Token Ignored.**

Severity: Informational.

Explanation: Processing of the FTP DATA file encountered a keyword that is not valid. The value identified in the text of the message is the token that was taken as the incorrect keyword.

User or Operator Response: If the error was due to an incorrect spelling of one of the supported keywords, terminate the FTP session and correct the entry in the FTP DATA file. If the line identified in the message is not intended to be interpreted as a keyword, modify the line so that it begins with a comment delimiter (a semicolon).

System Action: FTP client will continue processing. Valid timeout values encountered in the FTP DATA file will be used. All other timeout thresholds will be set to their default values.

Source File: FTCVMSUB PASCAL

Procedure Name: ReadVMFtpData

Usage: HANGEUL <(NOTYPE>
Usage: HANGEUL <(NOTYPE>
  change file transfer type to Hangeul

Severity: Informational.

Explanation: Either help for the FTP client HANGEUL subcommand was requested, or an invalid FTP client HANGEUL subcommand was entered.

User or Operator Response: Use the help information to enter a valid HANGEUL subcommand. See the *TCP/IP User's Guide* book for more information about using FTP client subcommands.

System Action: Program execution continues. The current FTP transfer type is unchanged.

Source File: FTPROCS PASCAL

Procedure Name: DoHelp or DoTypes

Usage: JIS78KJ <(<ASCII | JISROMAN> <NOTYPE>>
Usage: JIS78KJ <(<ASCII | JISROMAN> <NOTYPE>>
  change file transfer type to JIS 1978 Kanji

Severity: Informational.

Explanation: Either help for the FTP client JIS78KJ subcommand was requested, or an invalid FTP client JIS78KJ subcommand was entered.

User or Operator Response: Use the help information to enter a valid JIS78KJ subcommand. See the *TCP/IP User's Guide* book for more information about using FTP client subcommands.

System Action: Program execution continues. The current FTP transfer type is unchanged.

Source File: FTPROCS PASCAL

Procedure Name: DoHelp or DoTypes

Usage: JIS83KJ <(<ASCII | JISROMAN> <NOTYPE>>
Usage: JIS83KJ <(<ASCII | JISROMAN> <NOTYPE>>
  change file transfer type to JIS 1983 Kanji

Severity: Informational.

Explanation: Either help for the FTP client JIS83KJ subcommand was requested, or an invalid FTP client JIS83KJ subcommand was entered.

User or Operator Response: Use the help information to enter a valid JIS83KJ subcommand. See the *TCP/IP User's Guide* book for more information about using FTP client subcommands.

System Action: Program execution continues. The current FTP transfer type is unchanged.

Source File: FTPROCS PASCAL

Procedure Name: DoHelp or DoTypes

Usage: KSC5601 <(NOTYPE>
Usage: KSC5601 <(NOTYPE>
  change file transfer type to KSC5601

Severity: Informational.

Explanation: Either help for the FTP client KSC5601 subcommand was requested, or an invalid FTP client KSC5601 subcommand was entered.

User or Operator Response: Use the help information to enter a valid KSC5601 subcommand. See the *TCP/IP User's Guide* book for more information about using FTP client subcommands.

System Action: Program execution continues. The current FTP transfer type is unchanged.

Source File: FTPROCS PASCAL

Procedure Name: DoHelp or DoTypes

Usage: TCHINESE <(NOTYPE>
Usage: TCHINESE <(NOTYPE>
  change file transfer type to Traditional Chinese

Severity: Informational.

Explanation: Either help for the FTP client TCHINESE subcommand was requested, or an invalid FTP client TCHINESE subcommand was entered.

User or Operator Response: Use the help information to enter a valid TCHINESE subcommand. See the *TCP/IP User's Guide* book for more information about using FTP client subcommands.

System Action: Program execution continues. The current FTP transfer type is unchanged.

Source File: FTPROCS PASCAL

Procedure Name: DoHelp or DoTypes

Usage: TYPE {A | E | I | F <1> | B <1|2|3 <A|R>|4 <A|R>|5|6|7>}

Severity: Informational.

Explanation: Either help for the FTP client TYPE subcommand was requested, or an invalid FTP client TYPE subcommand was entered.

User or Operator Response: Use the help information to enter a valid TYPE subcommand. See the *TCP/IP User's Guide* book for more information about using FTP client subcommands.

System Action: Program execution continues. The current FTP transfer type is unchanged.

Source File: FTPROCS PASCAL

Procedure Name: DoHelp or DoTypes

Using Hangeul translate table *FileName FileType*

Severity: Informational.

Explanation: The FTP server has successfully loaded the required DBCS translation table/s from the TCPHGBIN binary translate table file.

User or Operator Response: None.

System Action: Program execution continues.

Source File: FTSRVPA PASCAL

Procedure Name: Initialize

Using Kanji translate table *FileName FileType*

Severity: Informational.

Explanation: The FTP server has successfully loaded the required DBCS translation table/s from the TCPKJBIN binary translate table file.

User or Operator Response: None.

System Action: Program execution continues.

Source File: FTSRVPA PASCAL

Procedure Name: Initialize

Using TChinese translate table *FileName FileType*

Severity: Informational.

Explanation: The FTP server has successfully loaded the required DBCS translation table/s from the TCPCHBIN binary translate table file.

User or Operator Response: None.

System Action: Program execution continues.

Source File: FTSRVPA PASCAL

Procedure Name: Initialize

WARNING! Invalid local file name *FileName* **Use name.type.mode or name.type**

Severity: Warning.

Explanation: User warning instructing you about improper usage of the Use instruction.

User or Operator Response: Follow the Use instructions.

System Action: None.

Source File: FTCVMSUB PASCAL

FTP Messages

Procedure Name: DomPut

Warning: The normal EBCDIC to ASCII conversion is processed unless user specify Kanji type.

Severity: Warning.

Explanation: Unless you specify a Kanji conversion, you can get only the normal type of character code conversion.

User or Operator Response: None.

System Action: None.

Source File: FTSUTIL PASCAL

Procedure Name: SendData

| **Wrong level of CMS: <1S20 routine> not found**

| **Severity:** Error.

| **Explanation:** A CSL routine returned with a -7 return code, meaning the routine was not found.

| **User or Operator Response:** Re-IPL with the appropriate level of CMS.

| **System Action:** The server program halts at this point.

| **Source File:** FTMAIN, FTSRVPA, FTSVMSUB

| **Procedure Name:** Initialize, SystemInitialize

| **Wrong level of CP: Diagnose 88 not available**

| **Severity:** Error.

| **Explanation:** Diagnose 88 support is not available in the level of CP that you are running.

| **User or Operator Response:** Upgrade to the appropriate level of VM/ESA.

| **System Action:** The server program halts at this point.

| **Source File:** FTSVMSUB

| **Procedure Name:** SystemInitialize

| **You are not authorized to issue commands to this server**

| **Severity:** Error.

| **Explanation:** The FTP server SMSG interface is for privileged users only. Your user ID must be included in the TCPIP OBEY list for your SMSG commands to be recognized by the FTP server.

| **User or Operator Response:** None.

| **System Action:** None.

| **Source File:** FTSEVEN

| **Procedure Name:** SMSGEvent

Numbered Messages

---

200 Representation type is Hangeul

Severity: Informational.

Explanation: The FTP server has received a valid TYPE B 5 command from the FTP client. The current transfer type has successfully been changed to Hangeul DBCS.

User or Operator Response: None.

System Action: Program execution continues. The current FTP transfer type is changed.

Source File: FTSCMD PASCAL

Procedure Name: DoType

---

200 Representation type is KANJI JIS 1978 shift-in ASCII

Severity: Informational.

Explanation: The FTP server has received a valid TYPE B 4 or TYPE B 4 A command from the FTP client. The current transfer type has successfully been changed to JIS 1978 Kanji DBCS, using the ASCII shift-in escape sequence.

User or Operator Response: None.

System Action: Program execution continues. The current FTP transfer type is changed.

Source File: FTSCMD PASCAL

Procedure Name: DoType

---

200 Representation type is KANJI JIS 1978 shift-in JISROMAN

Severity: Informational.

Explanation: The FTP server has received a valid TYPE B 4 R command from the FTP client. The current transfer type has successfully been changed to JIS 1978 Kanji DBCS, using the JISROMAN shift-in escape sequence.

User or Operator Response: None.

System Action: Program execution continues. The current FTP transfer type is changed.

Source File: FTSCMD PASCAL

Procedure Name: DoType

---

200 Representation type is KANJI JIS 1983 shift-in ASCII

Severity: Informational.

Explanation: The FTP server has received a valid TYPE B 3 or TYPE B 3 A command from the FTP client. The current transfer type has successfully been changed to JIS 1983 Kanji DBCS, using the ASCII shift-in escape sequence.

User or Operator Response: None.

System Action: Program execution continues. The current FTP transfer type is changed.

Source File: FTSCMD PASCAL

Procedure Name: DoType

---

200 Representation type is KANJI JIS 1983 shift-in JISROMAN

Severity: Informational.

Explanation: The FTP server has received a valid TYPE B 3 R command from the FTP client. The current transfer type has successfully been changed to JIS 1983 Kanji DBCS, using the JISROMAN shift-in escape sequence.

User or Operator Response: None.

System Action: Program execution continues. The current FTP transfer type is changed.

200 Representation type is KSC-5601

Severity: Informational.

Explanation: The FTP server has received a valid TYPE B 6 command from the FTP client. The current transfer type has successfully been changed to Korean Standard Code KSC-5601 DBCS.

User or Operator Response: None.

System Action: Program execution continues. The current FTP transfer type is changed.

Source File: FTSCMD PASCAL

Procedure Name: DoType

200 Representation type is TChinese

Severity: Informational.

Explanation: The FTP server has received a valid TYPE B 7 command from the FTP client. The current transfer type has successfully been changed to Traditional Chinese (5550) DBCS.

User or Operator Response: None.

System Action: Program execution continues. The current FTP transfer type is changed.

Source File: FTSCMD PASCAL

Procedure Name: DoType

| **220 User** *UserName* **has** *Acc_Type* **authority**

Severity: Informational.

Explanation: The message displays the authority level of the user.

User or Operator Response: This is an informational message from the SITE QAUTH command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoSite

| **230 Directory** *userid***.RDR does not exist**

| **Severity:** Error.

| **Explanation:** The user ID entered is not a valid user ID on that
| system.

| **User or Operator Response:** Correct the user ID portion of the
| working directory established for your user ID in CHKIPADR EXEC.

| **System Action:** None.

| **Source File:** FTSVMSUB

| **Procedure Name:** DoPass

230 Permission denied to LINK to *NewOwner NewAddress*
WorkingDirectory

Severity: Error.

Explanation: The account command failed because you did not have RACF® authority to write-link the listed working directory minidisk.

User or Operator Response: Check with your RACF administrator for the proper authorities.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoPass

| **230 System error 24 occured trying to access directory**

| **Severity:** Error.

| **Explanation:** Routine DMSLINK returned with a return code 24. A
| paging error has occurred.

| **User or Operator Response:** Contact your system or RACF
| administrator.

| **System Action:** A message is written to the FTP server console.

| **Source File:** FTSVMSUB PASCAL

| **Procedure Name:** DoPass

| **230 System error occurred setting up a reader directory**

| **Severity:** Error.

| **Explanation:** An error occurred defining a virtual punch or issuing a
| spool command to the target user's reader.

| **User or Operator Response:** Reissue the command and if the
| error reoccurs, contact your TCP/IP administrator to debug the
| problem.

| **System Action:** None.

| **Source File:** FTSVMSUB PASCAL

| **Procedure Name:** DoPass

| **230 You are not authorized for** *userid***.RDR**

| **Severity:** Error.

| **Explanation:** You do not have the authority to access the user's
| reader.

| **User or Operator Response:** None.

| **System Action:** None.

| **Source File:** FTSVMSUB

| **Procedure Name:** DoPass

421 No connection to foreign server.

Severity: Warning.

Explanation: The connection may have closed due to a TimeOut or an error may have occurred.

User or Operator Response: Issue an OPEN command to re-establish a connection to a foreign host.

System Action: If you specified the EXIT parameter when you entered the FTP environment, FTP terminates. Otherwise, you are prompted for the next FTP subcommand.

Source File: FTPROCS PASCAL

Procedure Name: DoNoop

425 Can't open data connection: *ReturnCode*

Severity: Error.

Explanation: The data connection cannot be opened.

User or Operator Response: Identify the network problem, correct it, and resubmit the job.

System Action: The return code reason is displayed at the end of this message.

Source File: FTSVMSUB PASCAL

Procedure Name: DoList

450 Delete failed, another user has the dircontrol directory accessed R/W.

Severity: Error.

Explanation: Only one user at a time can have a directory control directory accessed in read/write mode. When another user has a directory accessed in read/write mode, you cannot change files in that directory, even if you are authorized to do so.

User or Operator Response: Enter the QUERY ACCESSORS command to find if a user is accessing the directory R/W. If so, contact this user to release the directory, and enter the command again.

System Action: None.

Source File: FTSCMD PASCAL, FTSVMSUB PASCAL

Procedure Name: DoRnto, DoDelete; DoFile

---

450 Directory is temporarily unavailable, SFS directory lock detected.

Severity: Error.

Explanation: The FTP Server is unable to issue CMS ACCESS for the directory.

User or Operator Response: Try to enter the command a few more times. if the lock persists, try to resolve the lock conflict. Enter the QUERY LOCK command to find out which user is holding the lock.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: FindMode, DoList

---

450 Disk access fails; you no longer have any working directory

Severity: Error.

Explanation: When RACF is specified, only a read link is attempted to avoid extraneous NOTIFY messages sent to the owner of the minidisk in case the write LINK, which the user may not even want, is denied.

User or Operator Response: The working directory minidisk is not in write mode access. Correct the situation and try again.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoAcct

---

450 Minidisk temporarily unavailable

Severity: Error.

Explanation: The system cannot access the VM minidisk containing the working directory. This temporary problem is probably caused by VM performance.

User or Operator Response: Wait for a while and try again.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: FindMode

---

450 Minidisk unexpectedly inaccessible

Severity: Error.

Explanation: This VM system problem is probably caused by multiple, concurrent, minidisk access requests. The working directory minidisk cannot be re-accessed.

User or Operator Response: Wait for a while and try again.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: FindMode

---

450 No current working directory defined

Severity: Error.

Explanation: You must define a working directory for FTP processing.

User or Operator Response: Define a working directory before proceeding.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: FindMode

---

450 Rename failed, another user has the dircontrol directory accessed R/W.

Severity: Error.

Explanation: Only one user at a time can have a directory control directory accessed in read/write mode. When another user has a directory accessed in read/write mode, you cannot change files in that directory, even if you are authorized to do so.

User or Operator Response: Enter the QUERY ACCESSORS command to find if a user is accessing the directory R/W. If so, contact this user to release the directory, and enter the command again.

System Action: None.

Source File: FTSCMD PASCAL, FTSVMSUB PASCAL

Procedure Name: DoRnto, DoDelete; DoFile

---

450 Store failed, another user has the dircontrol directory accessed R/W.

Severity: Error.

Explanation: Only one user at a time can have a directory control directory accessed in read/write mode. When another user has a directory accessed in read/write mode, you cannot change files in that directory, even if you are authorized to do so.

User or Operator Response: Enter the QUERY ACCESSORS command to find if a user is accessing the directory R/W. If so, contact this user to release the directory, and enter the command again.

System Action: None.

Source File: FTSCMD PASCAL, FTSVMSUB PASCAL

Procedure Name: DoRnto, DoDelete; DoFile

450 Store failed, filepool is unavailable.

Severity: Error.

Explanation: The file pool provided on the command, or the file pool allowed to default on the command, is either incorrect or unavailable.

User or Operator Response: Check to see if the file pool was allowed, then contact your system support personnel to determine the status of the file pool.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoFile

---

450 Store failed, unable to access the directory.

Severity: Error.

Explanation: The FTP Server cannot access the SFS directory.

User or Operator Response: Make sure you are authorized for the file pool and determine the status of the file pool.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoFile

---

450 System error occurred trying to determine BFS authorization

Severity: Error.

Explanation: The FTP server virtual machine attempted to call the BPX1SEU callable service and the BPX1SEG callable service to set the effective UID and GID of the server to that of the logged in user, but the call failed.

User or Operator Response: Make sure that the FTP server has been given a UID value of zero in the VM user directory (this is done using a "POSIXINFO UID 0" statement).

System Action: The FTP server cannot perform BFS activities without being able to set the effective UID and GID. Any attempts to access BFS information will result in this error).

Source File: FTSVMSUB PASCAL, FTSUTIL PASCAL, FTSEVEN PASCAL

Procedure Name: DoSite, DoFile, CDtoBFS, SendData, DataArrivedEvent

---

| **450 Write access temporarily unavailable for directory** *directory*, | **try again.**

Severity: Error.

Explanation: You attempted to write to a file in a directory control directory for which there are concurrent transfer requests.

User or Operator Response: Wait for a while and try again.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoFile

---

451 Data transfer aborted: file is locked.

Severity: Error.

Explanation: Return code 70 trying to write to the file; file is locked.

User or Operator Response: Try to reissue the command a few times. If the lock persists, try to resolve the lock conflict. Enter the QUERY LOCK command to find out which user is holding the lock.

System Action: None.

Source File: FTSEVEN PASCAL

Procedure Name: StoreBlock, StoreFile, WriteImageData, TheyClosedEvent

---

451 Data transfer aborted: not authorized to write to file

Severity: Error.

Explanation: You attempted to write to a file for which you do not have write authority, or you attempted to create a new file in a directory for which you do not have write authority.

User or Operator Response: Change to another directory or contact the directory owner to gain proper authorization to the file or directory.

System Action: None.

Source File: FTSEVEN PASCAL

Procedure Name: StoreBlock, StoreFile, WriteImageData, TheyClosedEvent, NewConnectionEvent

---

451 Error closing data set. File not open or invalid or not authorized

Severity: Error.

Explanation: Error occurred on the CMS FINIS command. File was not found.

User or Operator Response: Retry the command. If the problem persists, contact your system support personnel.

System Action: None.

Source File: FTSUTIL PASCAL

Procedure Name: DataReply

---

451 Error closing SFS data set. Rollback performed

Severity: Error.

Explanation: SFS Error occurred closing one or more SFS files.

User or Operator Response: Retry the command. If the problem persists contact your system support personnel.

System Action: A rollback has occurred. Additionally, some updates to non-recoverable files were not committed during the rollback.

Source File: FTSUTIL PASCAL

Procedure Name: DataReply

---

451 Error closing SFS data set. System limit exceeded.

Severity: Error.

Explanation: System limits were exceeded when attempting to commit the changes.

User or Operator Response: Contact you system support personnel.

System Action: The SFS work unit was rolled back.

Source File: FTSUTIL PASCAL

FTP Messages

Procedure Name: DataReply

---

451 Error closing SFS data set. System error.

Severity: Error.

Explanation: SFS System Error.

User or Operator Response: Retry the command. If the problem persists, contact your system support personnel.

System Action: None.

Source File: FTSUTIL PASCAL

Procedure Name: DataReply

| **451 Error writing or closing reader file.**

| **Severity:** Error.

| **Explanation:** An error occurred trying to write to or close a spool
| file.

| **User or Operator Response:** Reissue the command and if the
| error reoccurs, contact your TCP/IP administrator to debug the
| problem.

| **System Action:** None.

| **Source File:** FTSUTIL PASCAL

| **Procedure Name:** DataReply

---

451 Transfer aborted: file not found, disk not accessed, or insufficient authority.

Severity: Error.

Explanation: Bad return code encountered while reading the file.

User or Operator Response: Check to make sure file was specified correctly and issue SITE QAUTH to make sure you have the proper authority.

System Action: None.

Source File: FTSUTIL PASCAL

Procedure Name: Senddata

---

451 Unexpected software error

Severity: Error.

Explanation: This descriptive message indicates that a nonzero return code was generated during the execution of a CMS STATE command. An expected EXEC program is missing from the disk.

User or Operator Response: Tell the system programmer about the problem.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoList

---

451 Unexpected system error

Severity: Error.

Explanation: This message indicates that a nonzero return code was generated during the processing of an FTP server request. None of the built-in error checking functions could determine the cause of the problem.

User or Operator Response: Tell the system programmer about the problem.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoList

| **452 The disk used to temporarily store reader files has
| insufficient space available**

| **Severity:** Error.

| **Explanation:** An error occurred trying to STOR a file to a VM
| reader.

| **User or Operator Response:** Contact your system administrator to
| increase the size of the disk identified on the **RDR** startup
| parameter.

| **System Action:** A message is written to the FTP server console.

| **Source File:** FTSVMSUB

| **Procedure Name:** DoFile

---

500 Unknown command

Severity: Error.

Explanation: You entered an unrecognizable command.

User or Operator Response: Examine your input syntax to identify and correct your error.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoFile

| **501 ACCT not allowed with SFS or BFS directories**

Severity: Error.

| **Explanation:** An account command was entered while the current
| working directory is set to an SFS or BFS directory. The ACCT
| command is only valid with minidisks.

| **User or Operator Response:** In order to use the ACCT command,
| the current working directory must be changed to a minidisk using
the CWD command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoAcct

| **501 Directory** userid**.RDR does not exist;**
| **Directory remains** old_directory

| **Severity:** Error.

| **Explanation:** The user ID entered is not a valid user ID on that
| system.

| **User or Operator Response:** Correct the user ID and reenter the
| command.

| **System Action:** None.

| **Source File:** FTSVMSUB

| **Procedure Name:** CDtoRDR

| **501 Error occurred attempting to purge spool file** nnnn**, rc=**rc

| **Severity:** Error.

| **Explanation:** An error occurred on the CP PURGE userid RDR
| spool ID command.

| **User or Operator Response:** Check the return code and
| determine the reason for the error.

| **System Action:** None.

| **Source File:** FTSCMD

| **Procedure Name:** DoDelete

| **501 Invalid BYUSER name in USER command**
| **501 BYUSER name is missing from USER command**

| **Severity:** Error.

| **Explanation:** BYUSER name was specified an asterisk (*) or was
| missing from the USER command.

| **User or Operator Response:** Correct the syntax and reenter the
| command.

| **System Action:** None.

| **Source File:** FTSCMD

| **Procedure Name:** DoUser

---

501 Invalid character in file name *BadFileName*

Severity: Error.

Explanation: You have made a syntax error in the listed file name
identifier.

User or Operator Response: Correct your syntax and resubmit the
job.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoList

---

501 Invalid directory supplied

Severity: Error.

Explanation: The account command failed because you requested
a working directory that is not valid.

User or Operator Response: Check your input logic and syntax,
then resubmit the command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoCwd

---

501 Invalid file identifier. Use "name.type"

Severity: Error.

Explanation: You entered an incorrect file type and the file type is
not set to the default.

User or Operator Response: Reenter the command and follow the
usage instructions.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoFile

---

501 Invalid file identifier; use 'name.type'

Severity: Error.

Explanation: You entered an incorrect file type and the file type is
not set to the default.

User or Operator Response: Reenter the command and follow the
usage instructions.

System Action: None.

Source File: FTSVMSUB PASCAL

| **Procedure Name:** DoList

| **501 Invalid spoolid in Delete command**

| **Severity:** Error.

| **Explanation:** The spool file ID entered is not valid.

| **User or Operator Response:** Correct the syntax and reenter the
| command.

| **System Action:** None.

| **Source File:** FTSCMD

| **Procedure Name:** DoDelete

| **501 No minidisk password supplied with 'ACCT'**

Severity: Error.

Explanation: You must enter a password with the account
command.

User or Operator Response: Reenter the account command and
supply a valid minidisk password.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoAcct

---

501 Password missing in PASS command

Severity: Error.

Explanation: You did not enter your password.

User or Operator Response: Enter a valid password for the user
ID requested.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoPass

| **502 Command failed. You are not authorized to view or delete**
| **files**

| **Severity:** Error.

| **Explanation:** The subcommand entered was for a VM reader
| directory, to which you are not authorized.

| **User or Operator Response:** Login as the user whose VM reader
| you wish to manipulate.

| **System Action:** None.

| **Source File:** FTSVMSUB

| **Procedure Name:** DoList, DoDelete

| **502 Command not supported for VM reader files**

| **Severity:** Error.

| **Explanation:** The subcommand entered is not implemented for VM
| reader files.

| **User or Operator Response:** Use Telnet instead of FTP to
| manipulate VM reader files.

| **System Action:** None.

| **Source File:** FTSCMD, FTSVMSUB

| **Procedure Name:** DoRnFr, DoCwd, DoFile

| **502 Support for STOR to VM reader is not enabled.**

| **Severity:** Error.

| **Explanation:** The FTP server was started without the RDR
| parameter, which is necessary for STOR commands to a VM reader.

| **User or Operator Response:** Use Telnet instead of FTP to
| manipulate VM reader files or contact the system administrator to
| enable FTP reader support.

| **System Action:** None.

| **Source File:** FTSVMSUB

| **Procedure Name:** DoFile

| **502** *text*

| **Severity:** Error.

| **Explanation:** The FTP user exit has rejected the subcommand.
| *text* provides more information about the error.

| **User or Operator Response:** None.

| **System Action:** None.

| **Source File:** FTSCMD, FTSVMSUB

| **Procedure Name:** DoCommand, CallFTPexit

---

503 Your InterNet Address is not allowed for this server
503 Your UserId is not authorized for this server

Severity: Fatal.

| **Explanation:** The FTP server CHKIPADR exit has rejected your
| InterNet Address and user ID.

User or Operator Response: Contact your system support
personnel.

System Action: None.

Source File: FTSCMD PASCAL

Procedure Name: VMIpAdrChk

---

504 Block mode implemented with type EBCDIC only

Severity: Error.

Explanation: A file transfer in block mode has been attempted with
a file transfer type of something other than EBCDIC.

User or Operator Response: If the file transfer mode is set to
block (MODE B), then the file transfer type must be set to EBCDIC
(TYPE E).

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoFile

---

504 CMS Byte File System support is not available;

Severity: Error.

Explanation: The FTP server virtual machine is running on a
VM/ESA system that does not allow FTP to support the CMS Byte
File System.

User or Operator Response: None.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: CDtoBFS

---

504 Type not Supported: Translation Table is not Loaded.

Severity: Informational.

Explanation: The FTP server has received a valid DBCS TYPE
command from the FTP client, but the DBCS translation table
required for that transfer type is not loaded.

User or Operator Response: Configure a valid DBCS binary
translate table file in the search order hierarchy for the required
DBCS translation table, and specify LOADDBCSTABLE in FTP
DATA for the required DBCS translation table. See the *TCP/IP
Planning and Customization* book for more information about loading
and customizing DBCS translation tables.

System Action: Program execution continues. The current FTP
transfer type is unchanged.

Source File: FTSCMD PASCAL

Procedure Name: DoType

---

504 Unknown Shift-in option *option*

Severity: Informational.

Explanation: The FTP server received a TYPE B 3 or TYPE B 4
command from the FTP client containing an invalid shift-in option.
The valid shift-in options for TYPE B 3 (JIS83KJ) and TYPE B 4
(JIS78KJ), are A and R, indicating the ASCII and JISROMAN shift-in
escape sequences respectively.

User or Operator Response: Resend the TYPE command,
specifying a valid shift-in option. See the *TCP/IP User's Guide* book
for more information about using FTP DBCS TYPE subcommands.

System Action: Program execution continues. The current FTP
transfer type is unchanged.

Source File: FTSCMD PASCAL

Procedure Name: DoType

---

521 Directory already exists, taking no action.

Severity: Error.

Explanation: You specified a MKDIR command for a directory that
already exists.

User or Operator Response: Reissue the MKDIR command for a
new directory or rename the existing directory.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoMkDir

| **530 A system error occurred during password validation; Login**
| **rejected**

| **Severity:** Error.

| **Explanation:** An unexpected return code was received from the
| password verification routine, DMSPWCHK. Either a paging error
| occurred or no decision could be made by ESM.

| **User or Operator Response:** Contact your system or RACF
| administrator.

| **System Action:** A message is displayed on the FTP server
| console.

| **Source File:** FTSVMSUB PASCAL

| **Procedure Name:** DoPass

| **530 Login attempt by** *UserName* **rejected**
| **530 Login attempt of** *UserName* **by** *ByUserName* **rejected**

Severity: Error.

Explanation: You entered an incorrect login or logon password.

User or Operator Response: Enter the correct login or logon password.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoPass

| **530 Login attempt by** *UserName* **rejected; password expired**
| **530 Login attempt of** *UserName* **by** *ByUserName* **rejected; password expired**

| **Severity:** Error.

| **Explanation:** Your login password has expired.

| **User or Operator Response:** You must logon to the VM user ID to change the pasword, it cannot be changed through FTP.

| **System Action:** None.

| **Source File:** FTSVMSUB PASCAL

| **Procedure Name:** DoPass

| **532 Before** *action* **files on** *Owner Address***, you must supply the write password using the ACCT command**

| **Severity:** Error.

| **Explanation:** An attempt was made to change the contents of a minidisk, and a write password was never supplied. The server tried to obtain write access, supposing that the minidisk might be accessible without the password. That attempt failed and the server is now advising the client to provide the password for the minidisk via the ACCT command. Actions that may cause this message are writing, renaming, or deleting a file on the minidisk when write authority has not been established.

| **User or Operator Response:** Provide a valid minidisk password to the server using the ACCT command.

| **System Action:** Write access to the minidisk is not allowed. The requested operation fails.

| **Source File:** FTSVMSUB PASCAL

| **Procedure Name:** UpGradeLink

---

532 Invalid password; *Owner Address* **remains ReadOnly**

Severity: Error.

Explanation: The listed working directory minidisk is accessed in a read-only mode because you did not enter a correct minidisk password.

User or Operator Response: Enter a valid account minidisk password.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoAcct

---

532 Invalid password; *WorkingDirectory*

Severity: Error.

Explanation: You entered an incorrect password for the referenced minidisk working directory.

User or Operator Response: Enter a valid password.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoAcct

---

532 Permission denied for write LINK to *NewOwner NewAddress*

Severity: Error.

Explanation: The account command failed because you did not have RACF authority to write-link the listed working directory minidisk.

User or Operator Response: Check with your RACF administrator for the proper authority.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoAcct

---

532 Permission denied to LINK to *NewOwner NewAddress*

Severity: Error.

Explanation: The account command failed because you did not have RACF authority to write-link the listed working directory minidisk.

User or Operator Response: Check with your RACF administrator for the proper authority.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoAcct

| **532 System error 24 occurred trying to access directory**

| **Severity:** Error.

| **Explanation:** Routine DMSLINK returned with a return code 24. A paging error has occurred.

| **User or Operator Response:** Contact your system or RACF administrator.

| **System Action:** A message is written to the FTP server console.

| **Source File:** FTSVMSUB Pascal

| **Procedure Name:** DoAcct

| **550 ACCT fails:** *WorkingDirectory*

Severity: Error.

Explanation: The account command failed because you do not have the proper RACF authority.

User or Operator Response: Check with your RACF administrator for the proper authority.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoAcct

| **550 Attempt to rename '**_RnfrBFSFile_**' to '**_RntoBFSFile_**' has failed**

Severity: Error.

Explanation: An error was encountered by the FTP server virtual machine while attempting to issue an OPENVM RENAME command to rename a BFS file as specified by the RENAME command.

User or Operator Response: Use the SITE PERMIT command to check your current authorization, and try to determine why the OPENVM RENAME failed.

System Action: None.

Source File: FTSCMD PASCAL

Procedure Name: DoRnto

---

550 BFS Directory does not exist or you are not authorized for it.

Severity: Error.

Explanation: An attempt was made to change the current working directory to a BFS directory that does not exist or that you do not have authorization for.

User or Operator Response: Specify an existing directory for which you have authorization using the CWD command, or use the MKDIR command to create the new directory prior to attempting to change the current working directory to it.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: CDtoBFS

---

550 BFS directory error

Severity: Error.

Explanation: An unusual error was encountered by the FTP server virtual machine while attempting to issue an OPENVM LISTFILE command in order to generate the response to a DIR or LS command. This error can be the result of targeting a BFS directory that contains other than regular BFS files.

User or Operator Response: Try to understand why the OPENVM LISTFILE command failed, and correct the problem. If the TRACE parameter was specified when the FTP server is started, the debug trace file (FILE DEBUGTRA) on the server's 191 disk will contain the bad return code that was received from the OPENVM LISTFILE command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoList

| **550 BFS file ('**_BFSfile_**') not found**

Severity: Error.

Explanation: The specified BFS file does not exist.

User or Operator Response: The command that was entered requires a BFS file identifier for an existing file.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: ParseBFSIdentifier

| **550 Cannot get SFS WorkUnit; directory remains** _working_
| _directory_

Severity: Error.

Explanation: The FTP Server attempted to get an SFS workunit and failed. Either no workunit IDs are available or there is no storage available for associating a user ID with a workunit.

User or Operator Response: Contact your system support personnel. They may have to re-IPL the FTP server virtual machine to make some workunits IDs available.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoCwd, DoPass

---

550 Command fails; LINK command returned _ReturnCode_**;**
WorkingDirectory

Severity: Error.

Explanation: You cannot do a write-link to the listed minidisk for the specified reason.

User or Operator Response: Correct your link logic, your syntax, or try another minidisk.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoCwd

---

550 Command failed: Directory or file is locked.
550 Command failed: The directory is locked.
550 Command failed: The file is locked.
550 The specified file is locked.
| **550 Unable to send** _filename_ **file or directory is locked.**

Severity: Error.

Explanation: A lock exists on the file or the directory.

User or Operator Response: Enter the QUERY LOCK command to find out which user is holding the lock. If the QUERY LOCK does indicate that a lock is held, contact the user and ask that the lock be deleted.

System Action: None.

Source File: FTSVMSUB PASCAL, FTSCMD PASCAL

Procedure Name: FileOk; DoDelete, DoRnto

---

550 Command failed: You are not authorized to the file or directory.

Severity: Error.

Explanation: You attempted to read or write to a file or directory without the proper authority.

User or Operator Response: Use the SITE QAUTH command to check your current authorization. Contact the directory owner to grant you the authority needed.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoFile

550 Directory not found or you are not authorized for it.

Severity: Error.

Explanation: You specified a directory that does not exist or you are not authorized for it.

User or Operator Response: Ensure you have specified the directory correctly. Use the SITE QAUTH command to check your current authorization. Contact the directory owner to grant you the authority needed.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoSite

---

550 Directory in use and FORCE option was not specified.
550 Authorities exist on the directory and FORCE was not specified.
550 An explicit lock is held on the directory or files in the directory.

Severity: Error.

Explanation: Bad return code received from the SITE DIRATTR command.

User or Operator Response: See the *VM/ESA: CMS Command Reference* for more information on the DIRATTR command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoSite

---

550 Error opening file: File has invalid record format
550 Error opening file: Insufficient virtual storage available
550 Error opening file: APPC/VM error
550 Error opening file: File sharing conflict
550 Error opening file: A required system resource is unavailable
| **550 Error opening file: File cannot be opened for REPLACE.**
| **(Code = n)**

Severity: Error.

Explanation: The FSOPEN failed when you attempted to replace an existing file. No data has been written. If shown, 'code = n' is the return code from the CMS FSOPEN Macro.

User or Operator Response: Correct the problem and reissue the command or change the command to write a new file, instead of replacing a file.

System Action: None.

Source File: FTSVMSUB PASCAL, FTCVMSUB PASCAL

Procedure Name: SOpenFscb, OpenFscb

| **550 Error *rsc* reading *filename* TCPXLBIN from disk or directory**

| **Severity:** Error.

| **Explanation:** The server was unable to read the translate table. The reason code contains the return code from the failing FSOPEN or FSREAD macro.

| **User or Operator Response:** Try to determine why the specified translate table could not be read and correct the problem.

| **System Action:** None.

| **Source File:** FTSRVPA, FTSVMSUB

| **Procedure Name:** Initialize, DoSite2

---

550 *FileName* does not exist.

Severity: Error.

Explanation: FTP cannot find the file you marked for deletion on any of the accessed minidisks.

User or Operator Response: Correct your input syntax and try again.

System Action: None.

Source File: FTSCMD PASCAL

Procedure Name: DoDelete

---

550 *FileName* does not exist or you are not authorized.

Severity: Error.

Explanation: FTP cannot find the file you specified or you do not have authorization to the specified file.

User or Operator Response: Correct your input syntax and try again. If your current working directory is an SFS directory, issue SITE QAUTH to make sure you are authorized for the specified file.

System Action: None.

Source File: FTSCMD

Procedure Name: DoDelete, DoRnto

---

550 FTP Server does not have administrator authority for this file pool; directory remains : *working directory*.

Severity: Fatal.

Explanation: The FTP Server virtual machine does not have administrator authority to the file pool.

User or Operator Response: Contact your system support personnel.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoCwd, DoPass

---

550 Invalid directory identifier in Site cmd. Use fully qualified name or ".."

Severity: Error.

Explanation: Command syntax was not valid for Site Grant, Revoke, QDirattr or Dirattr.

User or Operator Response: SITE commands Grant, Revoke, QDirattr, Dirattr only accept the fully qualified directory name or '.' for the current working directory. Correct the syntax and reissue command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoSite

---

550 Invalid file identifier in SITE QAUTH cmd. Use SITE QAUTH *fn ft*.

Severity: Error.

Explanation: The command syntax was incorrect for the Query Authority command.

User or Operator Response: SITE QAUTH is only for the current working directory or files within the current working directory. Use SITE QAUTH *fn ft*. Correct the syntax and reissue command.

System Action: None.

FTP Messages

Source File: FTSVMSUB PASCAL

Procedure Name: DoSite

| **550 Invalid filename specified in Site command Use 'SITE**
| **XLATE filename'**

| **Severity:** Error.

| **Explanation:** The SITE XLATE or SITE TRANSLATE command
| syntax was incorrect.

| **User or Operator Response:** Correct the syntax and reenter the
| command.

| **System Action:** None.

| **Source File:** FTSVMSUB

| **Procedure Name:** DoSite2

---

550 Invalid SITE command; you are not using a BFS directory.

Severity: Error.

Explanation: The SITE QPERMIT and the SITE PERMIT
commands are only valid when the current working directory is set to
a BFS directory.

User or Operator Response: Use the CWD command to set the
current working directory to the BFS directory you wish to issue the
SITE command against and reissue the command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoSite

---

550 *m1* **is not allowed:** *Owner Address* **is ReadOnly**

Severity: Error.

Explanation: You cannot do a write-link to the listed minidisk
because it is accessed in a read-only mode.

User or Operator Response: Correct your link logic or try another
minidisk.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: UpgradeLink

---

550 MKDIR for BFS failed.

Severity: Error.

Explanation: An unusual error was encountered by the FTP server
virtual machine while attempting to issue an OPENVM CREATE DIR
command in order to honor a MKDIR request.

User or Operator Response: Try to understand why the OPENVM
CREATE DIR command failed, and correct the problem.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoMkDir

---

550 *NewOwner New Address* **is not a valid minidisk/directory.**

Severity: Error.

Explanation: The minidisk/directory specified was not found.

User or Operator Response: Check your input syntax and try
again.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoCwd

---

550 One or more files in this directory are open.

Severity: Error.

Explanation: A file or files contained in the target directory was
open at the time the RMDIR was issued.

User or Operator Response: Ensure that all files in the target
directory are closed before the RMDIR command is issued.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoRmDir

---

550 Parent directory control directory is accessed read-only
550 The directory is accessed read-only.

Severity: Error.

Explanation: You cannot create a subdirectory in a directory
control directory or erase a directory control directory that is
accessed read-only.

User or Operator Response: Another user currently has the
directory control directory accessed read-only. Retry the command
later.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoMkDir, DoRmDir

---

550 Parent directory does not exist or you are not the owner of
it.

Severity: Error.

Explanation: The MKDIR command is only allowed for the owner
of the parent directory or for a user with administrator authority.

User or Operator Response: Ensure you have specified the
directory correctly. If you are not an administrator, make sure you
are the owner of the parent directory.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoMkDir

---

550 Permission denied for write LINK to *NewOwner NewAddress*

Severity: Error.

Explanation: A write-link is not allowed to the listed minidisk for an
unspecified reason.

User or Operator Response: Correct your link logic or try another
minidisk.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: UpgradeLink

---

550 Permission denied to LINK to *NewOwner NewAddress*;

Severity: Error.

Explanation: A LINK permission rejection occurred.

User or Operator Response: Identify the problem with the LINK
command and try again.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoCwd

---

550 SFS directory name format may be wrong; directory remains *working directory***.**

Severity: Error.

Explanation: The specified directory name is not valid.

User or Operator Response: Check your input syntax and reenter the command.

System Action: None.

Source File: FSTVMSUB PASCAL

Procedure Name: DoCwd, DoPass

---

550 SFS Error - a lock may be held on the parent directory of *new directory***; directory remains** *working directory***.**
550 SFS Error - a lock may exist on the parent directory.

Severity: Error.

Explanation: Currently, you are not allowed to CD to a subdirectory of a locked directory.

User or Operator Response: Try to reissue the command a few times. If the lock persists, try to resolve the lock conflict.

System Action: None.

Source File: FTSVMSUB

Procedure Name: DoCwd

---

550 SFS file pool may not exist; directory remains : *working directory***.**

Severity: Error.

Explanation: The file pool provided on the command, or the file pool allowed to default on the command, is either incorrect or unavailable.

User or Operator Response: Determine the default file pool using the QUERY FILEPOOL CURRENT command and contact your system support personnel to determine the status of the file pool.

System Action: None.

Source File: FTSVMSUB

Procedure Name: DoCwd

| **550 SFS system error;** *cslname* **rc** *x* **reason** *y*
550 SFS System Error; directory remains : *workingdirectory*

Severity: Error.

Explanation: Some condition occurred that caused an SFS system error.

User or Operator Response: Retry the command. If problem persists, contact your system support personnel.

System Action: None.

Source File: FTSVMSUB PASCAL, FTSCMD PASCAL

Procedure Name: FileOk, DoCwd, DoMkDir, DoRmDir; DoDelete, DoRnto

---

550 Specified directory contains one or more subdirectories.

Severity: Error.

Explanation: You cannot erase a directory that contains a subdirectory.

User or Operator Response: Remove all subdirectories from the directory you want to erase, then reissue the original RMDIR command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoRmDir

---

550 The Directory is not empty.

Severity: Error.

Explanation: An attempt has been made to erase a BFS directory that is not empty.

User or Operator Response: Remove all files and subdirectories from the directory you wish to erase and reissue the command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoRmDir

| **550 System error 24 occurred trying to access directory**

Severity: Error.

| **Explanation:** Routine DMSLINK returned with a return code 24. A paging error has occurred. A paging error has occurred.

User or Operator Response: Contact your system or RACF aministrator.

| **System Action:** A message is written to the FTP server console.

Source File: FTSVMSUB PASCAL

Procedure Name: DoCwd, UpGradeLink

| **550 System error occurred setting up a reader directory.**

| **Severity:** Error.

| **Explanation:** An error occurred defining a virtual punch or issuing a
| spool command to the target user's reader.

| **User or Operator Response:** Reissue the command and if the
| error reoccurs, contact your TCP/IP administrator to debug the
| problem.

| **System Action:** None.

| **Source File:** FTSVMSUB PASCAL

| **Procedure Name:** CDtoRDR

---

550 The foreign file was not erased.
550 Error storing file: The empty file was not stored on the foreign host.
550 The foreign file has been erased.
550 Error storing file: The empty file was not stored on the foreign host.

Severity: Error.

Explanation: You attempted to transfer a null file and one of the following conditions occurred:

- The target directory is a minidisk and null files are not supported on minidisks. If there was an existing file with the same name as the one being transferred, it has been deleted.

- The target system has a backlevel CMS or SFS Server which do not support the commands necessary to create the null file. If there was an existing file with the same name as the one being transferred, an explicit rollback has occurred and the file will still exist.

User or Operator Response: None.

System Action: None.

Source File: FTSVMSUB PASCAL, FTPROCS PASCAL

Procedure Name: HandleNullFile

---

550 The operation was successful but the work unit could not be committed.

Severity: Error.

Explanation: SFS detected a problem and initiated a rollback. There may have been a problem communicating with the file pool.

User or Operator Response: Contact your system support personnel to determine the status of the file pool.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoRmdir

---

550 The specified directory does not exist or you are not authorized to remove it.

Severity: Error.

Explanation: The directory that you specified could not be found or you are not authorized for it. A directory can only be erased by the directory owner or the administrator.

User or Operator Response: Ensure you have specified the correct directory. If you are not an administrator, make sure you are the owner of the directory you are trying to remove.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoRmDir

---

550 The working directory is empty

Severity: Error.

Explanation: There are no files in the working directory.

User or Operator Response: If this situation is tolerable, continue. Otherwise, correct the problem before resubmitting the job.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: FindMode

| **550 Translate file** *filename* **TCPXLBIN is in an invalid format**

| **Severity:** Error.

| **Explanation:** The translate table was found, but could not be loaded because it is not a valid TCP/IP translate file.

| **User or Operator Response:** Try to determine why the specified translate table could not be read and correct the problem.

| **System Action:** None.

| **Source File:** FTSRVPA, FTSVMSUB

| **Procedure Name:** Initialize, DoSite2

| **550 Translate file '***filename* **TCPXLBIN' not found**

| **Severity:** Error.

| **Explanation:** The server was unable to locate the translate table specified.

| **User or Operator Response:** Ensure you have specified the file name correctly and reenter the command.

| **System Action:** None.

| **Source File:** FTPRVPA, FTSVMSUB

| **Procedure Name:** Initialize, DoSite2

| **550 Unable to append to '***BFSfile***'**

Severity: Error.

Explanation: The attempt to open the specified BFS file using the BPX1OPN callable service has encountered an error.

User or Operator Response: Try to determine why the specified file could not be opened, and correct the problem. If the TRACE parameter was specified when the FTP server is started, the debug trace file (FILE DEBUGTRA) on the server's 191 disk will contain the return code information from the call to BPX1OPN.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoFile

---

550 Unable to append to *FileName*
550 Unable to append to fixed record format file in image mode.
550 Unable to send *FileName*
550 Unable to store *FileName*
550 Unable to store unique *FileName*

Severity: Error.

Explanation: During the file transfer step of a PUT or MPUT operation for which the "store unique" attribute was in effect, the server code detected that the named file and all 999 uniquely named copies of the file already existed in the foreign directory.

User or Operator Response: Either turn off the "store unique" attribute by issuing the SUNIQUE subcommand to toggle the setting, or delete one of the uniquely named copies of the file that you are attempting to store. When choosing a copy to delete, it is important to understand the method that the server uses to create unique copies. The server searches the directory first for the named file. If the file already exists and the "store unique" attribute is set, the logic then searches sequentially through the uniquely named copies, starting with the file whose file name consists of the original file name with the numeral 1 appended (or the first seven characters of the file name) up through the file whose file name consists of the original file name with the numerals 999 appended (or the first five characters of the file name). The first search failure that occurs results in the corresponding file name being designated as the target file name. Thus, there is no guarantee that the file whose numeric suffix is lower is an older copy of the file in the foreign directory. Selection of a candidate for deletion should be based on some criteria other than numeric suffix value. The date and time stamp value is usually a reasonable compromise choice.

System Action: The file transfer operation is not performed. After sending this message back to the client, the server marks the connection as "ready to receive" and quiesces activity, waiting for the next interaction with the client.

Source File: FTSVMSUB PASCAL

Procedure Name: DoFile

| **550 Unable to delete BFS file: '***BFSfile***'**

Severity: Error.

Explanation: An error was encountered by the FTP server virtual machine while attempting to issue an OPENVM ERASE command to delete a BFS file that has been targeted for deletion by a DELETE command.

User or Operator Response: Use the SITE PERMIT command to check your current authorization, and try to determine why the OPENVM ERASE failed.

System Action: None.

Source File: FTSCMD PASCAL

Procedure Name: DoDelete

| **550 Unable to send '***BFSfile***'**

Severity: Error.

Explanation: The attempt to open the specified BFS file using the BPX1OPN callable service has encountered an error.

User or Operator Response: Try to determine why the specified file could not be opened, and correct the problem. If the TRACE parameter was specified when the FTP server is started, the debug trace file (FILE DEBUGTRA) on the server's 191 disk will contain the return code information from the call to BPX1OPN.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoFile

| **550 Unable to store '***BFSfile***'**

Severity: Error.

Explanation: The attempt to open the specified BFS file using the BPX1OPN callable service has encountered an error.

User or Operator Response: Try to determine why the specified file could not be opened, and correct the problem. If the TRACE parameter was specified when the FTP server is started, the debug trace file (FILE DEBUGTRA) on the server's 191 disk will contain the return code information from the call to BPX1OPN.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoFile

| **550 Unable to store unique '***BFSfile***'**

Severity: Error.

Explanation: The attempt to open the specified BFS file using the BPX1OPN callable service has encountered an error.

User or Operator Response: Try to determine why the specified file could not be opened, and correct the problem. If the TRACE parameter was specified when the FTP server is started, the debug trace file (FILE DEBUGTRA) on the server's 191 disk will contain the return code information from the call to BPX1OPN.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoFile

---

550 Wildcards not supported in QAUTH for protected SFS

Severity: Error.

Explanation: Wildcards are not supported for the Query Authority.

User or Operator Response: Reissue the command with file name and file type.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoSite

---

550 Write access unavailable for *Owner Address* due to other links

Severity: Error.

Explanation: Another VM user has accessed your working directory minidisk in write mode. VM does not allow multiple write access to prevent two users from modifying the same file at the same time.

User or Operator Response: Wait until the other user de-accesses the minidisk, or assign another nonaccessed minidisk as working storage.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: UpgradeLink

---

550 You are not allowed to create a top-level directory.

Severity: Error.

Explanation: You cannot create top directories using the MKDIR command. The top directory is created by being enrolled in the file pool, (FILEPOOL:USERID).

User or Operator Response: If you meant to create a directory within the directory structure, use the MKDIR command with one more level. (FILEPOOL:USERID.SUBDIRECTORY).

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoMkDir

| **550 You are not authorized for *userid*.RDR;**
| **Directory remains *old_directory***

Severity: Error.

Explanation: You do not have the authority to access the user's reader.

User or Operator Response: None.

System Action: None.

Source File: FTSVMSUB

Procedure Name: CDtoRDR

---

550 You are not using an SFS/BFS directory. CD.. is not allowed.
550 You are not in an SFS directory.
550 You can not MakeDirectory because you are not in SFS.
550 You are not using an SFS directory. CDUP is not allowed.
550 You can not Remove Directory because you are not in SFS.

Severity: Error.

Explanation: SFS/BFS commands are not allowed unless your current working directory is an SFS/BFS directory.

FTP Messages

User or Operator Response: Issue CD command to change your current working directory to an SFS/BFS directory.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoCwd, DoSite, DoMkDir, DoCdup, DoRmDir

---

550 You can not erase a top-level directory.

Severity: Error.

Explanation: You attempted to erase a top directory. This directory cannot be erased.

User or Operator Response: To erase all objects contained in the directory, issue an appropriate series of erase commands for those objects.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoRmdir

---

550 You can not remove the current working directory.

Severity: Error.

Explanation: You issued an RMDIR command for the current working directory.

User or Operator Response: Use the CD command to change to another SFS directory and reissue the command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoRmDir

---

550 You do not have read access to your current working directory any more. Use CD command to select a new directory/mini-disk.
| **550 The SFS directory** *NewDir* **does not exist or you are not**
| **authorized; directory remains** *WorkingDirectory***.**

Severity: Error.

Explanation: The directory assigned as your current directory may not exist or you are not authorized for it.

User or Operator Response: Select a new directory/mini-disk or contact the directory owner for authorization.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoList, DoCwd

---

552 Data transfer aborted, BFS file space is full

Severity: Error.

Explanation: There is not enough room in the file space to complete the request.

User or Operator Response: Delete some files or ask your system administrator to increase your storage space limits in the file pool.

System Action: None.

Source File: FTSEVEN PASCAL

Procedure Name: WriteBFSData

---

552 Data transfer aborted due to disk overflow.
552 Data transfer aborted, SFS file space is full.
| **552 Data transfer aborted. Disk overflow occurred on disk used**
| **to temporarily store reader files.**

Severity: Error.

Explanation: There is no room on the minidisk or in the file space to complete the request.

User or Operator Response: Delete some files or ask your system administrator to increase your storage space limits in the file pool or increase the cylinders on the minidisk.

System Action: None.

Source File: FTSEVEN PASCAL

Procedure Name: StoreBlock, StoreFile, WriteImageData, TheyClosedEvent

---

552 Storage group space limit exceeded.

Severity: Error.

Explanation: There is no room in the filespace to complete the request.

User or Operator Response: Delete some files or ask your system administrator to increase your storage space limits in the file pool.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: DoMkDir, DoRmDir

| **553 Invalid character ("/") in BFS file identifier:** '*BFSfile*'

Severity: Error.

Explanation: The "/" command is not allowed in a BFS file identifier.

User or Operator Response: Correct the invalid BFS file specification and reissue the command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: ParseBFSIdentifier

| **553 Invalid quote specification in BFS file identifier:** '*BFSfile*'

Severity: Error.

Explanation: Incorrect use of quotes was used on a BFS file identifier (quote specifications must be matched up).

User or Operator Response: Correct the BFS file specification and reissue the command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: ParseBFSIdentifier

| **553 Invalid BFS file identifier:** '*BFSfile*'

Severity: Error.

Explanation: The specified BFS file identifier is not valid.

User or Operator Response: Correct the BFS file specification and reissue the command.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: ParseBFSIdentifier

553 Invalid CMS file identifier *FileName*
553 Invalid character in filename *FileName*
550 File *FileName* **is not on an accessed mini-disk**
550 File error *ReturnCode* **in accessing** *FileName*

Severity: Error.

Explanation: FTP sends one of these four messages, depending on the problem.

User or Operator Response: Correct the corresponding problem and resubmit the job.

System Action: None.

Source File: FTSVMSUB PASCAL

Procedure Name: FileOk

FTP Messages

Chapter 4. GDDMXD/VM Messages and Codes

This chapter contains the GDDMXD/VM messages and ABEND codes you can encounter when you use GDDMXD/VM.

GDDMXD/VM Messages

Color s not available.

Explanation: The color s was not found in the X Window System server's database. The color s was specified in a GColornn or a GMCPnn entry in the X DEFAULTS file.

User or Operator Response: Choose a color that is in the database and update the X DEFAULTS file.

File GDXALTCS PSS not found. No alternate character set.

Explanation: The file GDXALTCS PSS could not be located. No alternative character set is available.

User or Operator Response: If you need the alternative character set to run APL, access the disk containing the file and try again.

No free storage. Please increase virtual storage size.

Explanation: GDDMXD/VM is unable to allocate needed virtual storage. The virtual storage size of the virtual machine should be increased.

User or Operator Response: Increase the virtual machine storage size and try again.

Unable to allocate pixmap.

Explanation: Pixmaps are used by GDDMXD/VM to simulate the IBM 3179G graphics presentation space and programmed symbols storage. Insufficient resources are available at the workstation to allocate a pixmap.

User or Operator Response: Attempt to free up workstation resources by reducing the number of active applications and try again.

Unable to establish connection to workstation.

Explanation: The X Window System was unable to connect to the workstation at the Internet address specified in the CMS global variable display (group CENV). This message is followed by ABEND 103.

User or Operator Response: Correct the address in the global variable and try again.

ABEND Codes

Code: 102

Explanation: Either GDXLIOX0 MODULE or GDXADML1 MODULE could not be found.

User or Operator Response: Access the disk containing these modules and try again.

Code: 103

Explanation: The X Window System was unable to connect to the workstation at the Internet address specified in the CMS global variable Display (group CENV).

User or Operator Response: Correct the address in the global variable and try again.

Code: 104

Explanation: The X Window System has detected an error and is unable to continue. This ABEND is generally preceded by an X Window System message.

User or Operator Response: Try again. If the error reoccurs, report the problem to your IBM Support Center.

Chapter 5. NETSTAT Messages

This chapter contains the NETSTAT messages used to monitor the network. For problems, see *TCP/IP User's Guide* or *TCP/IP Planning and Customization* for more information to resolve the problem.

***Addr* MAC address is not in the ARP table**

Severity: Recoverable error.

Explanation: The address specified is not currently in the ARP table.

System Action: The NETSTAT program halts and exits.

User or Operator Response: None.

System Programmer Response: None.

Source File: CMNETST

Procedure Name: DoQueryArp

BeginTcplp failed: *ReturnCode*

Severity: Warning.

Explanation: TCP/IP could not begin processing.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Inform the system programmer the type of error you encountered.

System Programmer Response: Modify TCP/IP to correct the problem the user encountered.

For information about modifications to TCP/IP, see *TCP/IP Planning and Customization*.

Source File: CMNETST PASCAL

Procedure Name: Main

Close parenthesis precedes search criteria

Severity: Recoverable error.

Explanation: You entered the NETSTAT command with incorrect syntax.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Correct the syntax error by removing the close parenthesis before the search criteria, and reenter the NETSTAT command.

System Programmer Response: None.

Source File: CMNETST

Procedure Name: LimitSearchTo

INTERVAL mode excludes all other options except ALLCONN

Severity: Error.

Explanation: You specified an extraneous option in the NETSTAT command.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Remove the extraneous option and resubmit the NETSTAT command.

For information about the syntax of the NETSTAT command, see *TCP/IP User's Guide*.

Source File: CMNETST PASCAL

Procedure Name: ParseCommandLine

INTERVAL option must be invoked via the NETSTAT EXEC.

Severity: Warning.

Explanation: The NETSTAT MODULE was invoked directly.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Change the invocation such that the NETSTAT EXEC gets executed. (ie. "address command 'NETSTAT INTERVAL'" is not allowed)

Source File: NETSTAT EXEC

Interval value of *userinput* **is invalid. Maximum allowed is 3600.**

Severity: Warning.

Explanation: You specified an interval value greater than 3600 seconds.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Decrease the interval parameter value and resubmit the NETSTAT command.

For NETSTAT command syntax information see *TCP/IP User's Guide*.

Source File: NETSTAT EXEC

Invalid netstat option: *option*

Severity: Recoverable error.

Explanation: You specified a NETSTAT command with an invalid option.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Reenter the NETSTAT command with a valid option.

System Programmer Response: None.

Source File: CMNETST

Procedure Name: ParseCommandLine

Invalid parameter: *BadParameter*

Severity: Error.

Explanation: You specified an invalid parameter.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Remove the invalid parameter and resubmit the NETSTAT command.

For information about the syntax of the NETSTAT command, see *TCP/IP User's Guide*.

Source File: CMNETST PASCAL

Procedure Name: ParseCommandLine

NETSTAT Messages

MonQuery fails: *ReturnCode*

Severity: Error.

Explanation: TCP/IP could not obtain the Requested Control Block information.

System Action: The NETSTAT program halts and exits.

User or Operator Response: One of the following NETSTAT options could not obtain the required Control Block information:

- Allconn
- Conn.

Inform the system programmer the NETSTAT option in which you encountered the error.

System Programmer Response: Check the TCP/IP Profile in the PROFILE TCPIP file for the definition of the erroneous NETSTAT option.

For information about modifications to the TCP/IP Profile, see *TCP/IP Planning and Customization*.

Source File: CMNETST PASCAL

Procedure Name: PipeData

NetStat Error: *ReturnCode*

Severity: Error.

Explanation: TCP/IP could not obtain requested network statistics.

System Action: The NETSTAT program halts and exits.

User or Operator Response: One of the following NETSTAT options could not obtain the required information:

- Allconn
- Conn
- Devlinks
- Gate
- Home
- Pool
- Socket
- Telnet.

Inform the system programmer the NETSTAT option in which you encountered the error.

System Programmer Response: Check the TCP/IP Profile in the PROFILE TCPIP file for the definition of the erroneous NETSTAT option.

For information about modifications to the TCP/IP Profile, see *TCP/IP Planning and Customization*.

Source File: CMNETST PASCAL

Procedure Name: BadReturnCode

Netstat: Missing or invalid parameter after ARP

Severity: Recoverable error.

Explanation: The parameter following ARP is either not valid or missing.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Specify the TCPIP address to be queried by ARP, and reenter the NETSTAT command.

System Programmer Response: None.

Source File: CMNETST

Procedure Name: ParseCommandLine

NETSTAT: Missing parameter after DROP

Severity: Error.

Explanation: You specified a DROP parameter without a value.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Specify the TCP/IP connection address to drop following the DROP parameter, and resubmit the NETSTAT command.

For information about the DROP parameter of the NETSTAT command, see *TCP/IP User's Guide*.

Source File: CMNETST PASCAL

Procedure Name: ParseCommandLine CMNETST PASCAL

No such connection

Severity: Error.

Explanation: A connection could not be successfully dropped.

System Action: The NETSTAT program halts and exits.

User or Operator Response: The drop parameter specified an unknown connection. Verify the connection parameter, and resubmit the NETSTAT command.

For information about the DROP parameter of the NETSTAT command, see the *TCP/IP User's Guide*.

Source File: CMNETST PASCAL

Procedure Name: DoDrop

Parenthesis but no search criteria
SELECT Option specified but no search criteria

Severity: Recoverable error.

Explanation: You specified a NETSTAT command without the appropriate search criteria.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Specify the search criteria and reenter the NETSTAT command.

System Programmer Response: None.

Source File: CMNETST

Procedure Name: ParseCommandLine

Returncode

Severity: Error.

Explanation: An error occurred processing the NETSTAT CP parameter.

System Action: The NETSTAT program halts and exits.

User or Operator Response: See the *VM/ESA: CP Command Reference* for an explanation of the error encountered. Resolve the problem and resubmit the NETSTAT command.

Source File: CMNETST PASCAL

Procedure Name: DoCpCmd

Search criteria parameter *string* **is too long**

Severity: Recoverable error.

Explanation: You specified a search parameter string that was longer than 16 characters.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Correct the search criteria parameters and reenter the NETSTAT command.

System Programmer Response: None.

Source File: CMNETST

Procedure Name: LimitSearchTo

Selecting connections can only be done with ALL, ALLConn, CLients, COnn, Gate, Interval, TELnet

Severity: Recoverable error.

Explanation: You attempted to select a connection without the use of one of the specified parameters.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Specify a valid NETSTAT command before selecting connections and reenter the NETSTAT command.

System Programmer Response: None.

Source File: CMNETST

Procedure Name: LimitSearchTo

TCPIP reports error *ReturnCode*

Severity: Error.

Explanation: An error was encountered while processing the NETSTAT RESETPOOL option.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Inform the system programmer that you encountered an error processing the NETSTAT RESETPOOL option.

System Programmer Response: Check the PROFILE TCPIP file for the definition of the POOLSIZE.

For information about modifications to the TCP/IP Profile POOLSIZE, see the *TCP/IP Planning and Customization*.

Source File: CMNETST PASCAL

Procedure Name: DoResetPoolInform

Too many selection values: Maximum is *number*

Severity: Recoverable error.

Explanation: You specified too many selection values.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Remove extraneous selections and reenter the NETSTAT command.

System Programmer Response: None.

Source File: CMNETST

Procedure Name: LimitSearchTo

You are not authorized to use this command

Severity: Error.

Explanation: You are not authorized to issue the NETSTAT DROP parameter.

System Action: The NETSTAT program halts and exits.

User or Operator Response: Ask the system programmer to let you use the NETSTAT DROP parameter.

System Programmer Response: Modify the TCP/IP OBEY statement to allow the user to issue NETSTAT DROP parameter.

For information about modifications to TCP/IP OBEY statement, see the *TCP/IP Planning and Customization*.

Source File: CMNETST PASCAL

Procedure Name: DoDrop

Chapter 6. NFS Messages

This chapter contains Network File System (NFS) messages.

Numbered Messages

DTCNFS1300E   Mask argument should be followed by hexadecimal mask value.

Explanation: An incorrect syntax was received for a request to set the mask for the VMNFS server internal trace facility.

User or Operator Response: Either restart the VMNFS server with a correct mask value or use the SMSG command to reset the mask.

System Action: The default mask value is used.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1301E   Mask value *mask* is invalid; must be hexadecimal.

Explanation: An incorrect value was received for a request to set the mask for the VMNFS server internal trace facility.

User or Operator Response: Either restart the VMNFS server with a correct mask value or use the SMSG command to reset the mask.

System Action: The default mask value is used.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1302I   Trace mask value set to *mask*

Explanation: The mask for the VMNFS server internal trace facility has been set.

User or Operator Response: None.

System Action: None.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1303E   Buffer argument should be followed by decimal number.

Explanation: An incorrect syntax was received for a request to set the number of disk block buffers to be used by the VMNFS server.

User or Operator Response: If desired, restart the VMNFS server with a correct block buffers value.

System Action: The default number of block buffers is 256.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1304E   Number of buffers value *buffers* is invalid; must be decimal number.

Explanation: An incorrect value was received for a request to set the number of disk block buffers to be used by the VMNFS server.

User or Operator Response: If desired, restart the VMNFS server with a correct disk block buffers value.

System Action: The default number of block buffers is 256.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1305E   Number of buffers value *buffers* is too small; using default of *default_buffers*.

Explanation: The number of disk block buffers specified is too small.

User or Operator Response: If desired, restart the VMNFS server with a correct block buffers value.

System Action: The default number of block buffers is 256.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1306I   Number of disk block buffers set to *nnnn*

Explanation: This informational message was issued because the B argument was specified when VMNFS was invoked.

User or Operator Response: None.

System Action: None.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1307E   Invalid VMNFS command argument ignored: number *nn*, value *hex-value*

Explanation: An invalid argument was specified when VMNFS was invoked.

User or Operator Response: Correct the argument and reissue the command.

System Action: The incorrect value is ignored.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1308I   *access-type* access control will be used to validate NFS minidisk mount requests.

Explanation: This message displays the type of access control used (for example CP link password, External Security Manager (ESM), or Autolink).

User or Operator Response: If you wish to change the access control used, restart VMNFS with the appropriate argument.

System Action: None.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1309I   Anonymous access will be allowed

Explanation: :Anonymous.Yes has been specified in DTCPARMS, or the 'N' start-up parameter was used, indicating that the VMNFS server will allow anonymous MOUNT requests. Anonymous MOUNT requests are those that do not specify userid= and password= parameters in the MOUNT or in a preceding MOUNTPW or PCNFSD request.

User or Operator Response: If anonymous access is not desired, change the DTCPARMS entry to **:Anonymous.No** and restart the server.

System Action: None.

NFS Messages

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1310I   **External mount monitor VMNFSMON EXEC will be used**

Explanation: This message indicates an external monitor is present to screen mount requests and gives the file mode where the exec was found.

User or Operator Response: None.

System Action: None.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1312I   **No external mount monitor (VMNFSMON EXEC) is present.**

Explanation: The VMNFS server did not find an external mount monitor.

User or Operator Response: If necessary, restart VMNFS to access the disk with the VMNFSMON EXEC.

System Action: No external mount monitor is used.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1313I   **Opened debug file vmnfs.log**

Explanation: The 'D' (debug) argument was specified when VMNFS was started.

User or Operator Response: None.

System Action: Trace information will be written to vmnfs.log.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1314I   **Registration with Portmap failed; waiting 30 seconds before trying again.**

Explanation: The registration by VMNFS with the port mapper has failed.

User or Operator Response: If necessary, determine if the port mapper is available.

System Action: VMNFS attempts registration three times.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1315I   **Registration completed.**

Explanation: Registration with the port mapper has completed.

User or Operator Response: None.

System Action: VMNFS processing continues.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1316S   **nfsmain: return code** *returncode* **from cextpost**

Explanation: An attempt to create an interrupt handler failed. The return code is listed to help with problem resolution.

User or Operator Response: See the HNDEXT macroinstruction in the *VM/ESA: CMS Application Development Reference for Assembler*.

System Action: VMNFS server processing terminates.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1318E   **Unexpected exit code** *exitcode* **from:** *function*

Explanation: An unexpected error occurred when issuing the listed command. In order to process client requests for SFS objects asynchronously, VMNFS has its own CSL routines to front-end DMSMARK. Set-up processing to load and drop the CSL routines failed with the listed *exitcode*.

User or Operator Response: Try to determine the reason for the error. Error codes for functions such as RTNLOAD and RTNDROP are documented in the *VM/ESA: CMS Command Reference*. If it can not be corrected, report it to the IBM Support Center.

System Action: VMNFS Server processing continues without SFS requests.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1320E   **NFS feature verification failure.**

Explanation: An unexpected error occurred while determining if the NFS feature of the VM/ESA system is enabled.

User or Operator Response: Inform the system programmer.

System Programmer Response: Contact the IBM Support Center.

System Action: NFS terminates.

Source File: INIT C

Procedure Name: init

DTCNFS1321I   **SFS operations will be supported.**

Explanation: This message indicates that NFS client requests for SFS objects will be honored.

User or Operator Response: None.

System Action: None.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1322E   **Exit code =** *exitcode* **from call to VMNFSANC**

Explanation: The call to load the VMNFSANC MODULE as a nucleus extension failed.

User or Operator Response: Determine why the module cannot be located or loaded. The listed exitcodes for the NUCEXT SET macroinstruction are documented in the *VM/ESA: CMS Application Development Reference for Assembler*, and should help with problem determination. If necessary, call the IBM Support Center.

System Action: VMNFS Server processing terminates.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1324I   External interrupt requested termination.

Explanation: The VMNFS server received a request to terminate the server.

User or Operator Response: None.

System Action: VMNFS server processing terminates.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1325E   Unknown POST code for nfsecb: *postcode* **(0x***hex-postcode***) ignored at** *time***.**

Explanation: An ECB post call was received that was not recognized by the VMNFS server.

User or Operator Response: None.

System Action: The ECB post is ignored.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1326E   NFS feature verification not supported.

Explanation: The version of VM/ESA being used does not support this level of NFS.

User or Operator Response: Inform the system programmer.

System Programmer Response: If VM/ESA Version 2 Release 3 or later is not installed, use TCP/IP Version 2 Release 4 or earlier. Otherwise, contact the IBM Support Center.

System Action: NFS terminates.

Source File: INIT C

Procedure Name: init

DTCNFS1327E   NFS feature not enabled.

Explanation: The NFS feature of the VM/ESA system is not enabled.

User or Operator Response: Inform the system programmer.

System Programmer Response: If you have a license to use the NFS feature, issue a CP SET PRODUCT command to enable product 5735NFSQ and start NFS again. To ensure that the feature is enabled in the future, add a PRODUCT statement for 5735NFSQ to the Control Program system configuration file.

System Action: NFS terminates.

Source File: INIT C

Procedure Name: init

DTCNFS1328E   NFS feature not defined.

Explanation: The NFS feature of the VM/ESA system is not defined.

User or Operator Response: Inform the system programmer.

System Programmer Response: If you have a license to use the NFS feature, issue a CP SET PRODUCT command to define and enable product 5735NFSQ and start NFS again. To ensure that the feature is enabled in the future, add a PRODUCT statement for 5735NFSQ to the Control Program system configuration file.

System Action: NFS terminates.

Source File: INIT C

Procedure Name: init

DTCNFS1329E   *time* Error code *ReturnCode* from aborted task.

Explanation: The task was aborted at the given time with the listed return code. A failure occurred that prevents a task from completing. If this condition recurs, it may be because of a damaged CMS minidisk file system. Task abort codes are defined in nfs.h (see ABORT_BAD_IO and so on).

User or Operator Response: If you cannot determine a cause for the problem, call the IBM Support Center. Restart the VMNFS program after such an error if there is any indication of unusual problems. Most such problems cause an automatic restart by a call to SIGERROR.

System Action:

Source File: NFSMAIN C

Procedure Name: main

DTCNFS1330I   NFS feature is enabled.

Explanation: The NFS feature of the VM/ESA system is enabled.

User or Operator Response: None.

System Programmer Response: None.

System Action: VMNFS initialization continues.

Source File: INIT C

Procedure Name: init

DTCNFS1331S   Error code *ReturnCode* from c_ciucv sever path *pathid*

Explanation: This message indicates a c_ciucv sever path failure. The nonzero return code and the *pathid* are listed to help with problem resolution. This difficulty is detected when the VMNFS server tries to change a read-only link to a disk into a read-write link, because it has received a valid client request that requires write access. For the client request to be valid, the subject disk was linked read-write at some time in the past: either a restart of the VMNFS server, or an SMSG detach request from a CMS user, caused the earlier write link to be detached.

User or Operator Response: If this condition recurs, report it to the IBM Support Center.

System Action: The program exits by calling SIGERROR, which leads the VMNFS PROFILE EXEC to restart the NFS server.

Source File: FH@HIST C

Procedure Name: fh_check

| **DTCNFS1332S   fh_check: error code *ReturnCode* (x***rc***) from c_ciucv connect request to vaddr** *vaddr* **disk** *userid.address*

Explanation: VMNFS tried to connect a new IUCV path to *BLOCKIO for a disk that has been changed from its earlier read link mode-only to the new link mode read-write. See the related message:
  Error code *rc* (*rc*) from c_ciucv sever path *pathid* (*pathid*)

User or Operator Response: A restart of the VMNFS server can help. If the error recurs, report it to the IBM Support Center.

System Action: The program continues. An error status is sent to the NFS client.

Source File: FH@HIST C

Procedure Name: fh_check

DTCNFS1333S   Vaddr *vaddr userid.address*

Explanation: Identifies the disk for which an IUCV connection request to *BLOCKIO failed. This is followed by a call to SIGERROR.

User or Operator Response: None.

System Action: None.

Source File: FH@HIST C

Procedure Name: fh_check

| **DTCNFS1334E   db_lookup: File Handle type is FILEPOOL; corresponding History File record type is minidisk; serial number is** *SerialNumber***.**

Explanation: This message indicates a problem with the File Handle history file (VMNFS HISTORY). The file handle indicates the mounted object is a SFS or BFS directory, but the matching record in the file handle history file does not contain the same indication.

User or Operator Response: Try to determine whether the history file is corrupt or the client sent a bad file handle. Clear the VMNFS HISTORY file as described in 'Configuring the Network File System' in the *TCP/IP Planning and Customization*.

System Action: The NFS client's request is abandoned.

Source File: FH@HIST C

Procedure Name: db_lookup

DTCNFS1335E   *time* **ck_mdate finds invalid label on disk** *userid.address***.**

Explanation: VMNFS can not find the label record on the listed minidisk.

User or Operator Response: Determine if there is a problem with the minidisk and if necessary, call the IBM Support Center.

System Action: VMNFS will attempt to detach the failing minidisk.

Source File: FH@HIST C

Procedure Name: ck_mdate

DTCNFS1336I   *time* **ck_mdate is detaching** *userid.address***.**

Explanation: This message is issued after message DTC1335E. VMNFS is detaching the minidisk.

User or Operator Response: None.

System Action: VMNFS Server processing continues.

Source File: FH@HIST C

Procedure Name: ck_mdate

DTCNFS1337E   ck_mdate: RC=*ReturnCode* **from detach.**

Explanation: VMNFS received a nonzero return code while detaching a minidisk. The *ReturnCode* is listed to help with problem isolation.

User or Operator Response: If the error recurs, report it to the IBM Support Center.

System Action: VMNFS Server processing continues.

Source File: FH@HIST C

Procedure Name: ck_mdate

DTCNFS1338E   ck_mdate: RC=*ReturnCode* **from refresh during detach processing.**

Explanation: VMNFS received a nonzero return code during detach processing. The *ReturnCode* is listed to help with problem isolation.

User or Operator Response: If the problem recurs, report it to the IBM Support Center.

System Action: VMNFS server processing continues.

Source File: FH@HIST C

Procedure Name: ck_mdate

DTCNFS1339E   *time* **open_path:** *userid.address* **is not a CMS EDF minidisk.**

Explanation: The label read from a disk indicates the disk is not a CMS format disk.

User or Operator Response: None.

System Action: Error status is returned to the NFS client.

Source File: RDLABEL C

Procedure Name: open_path

DTCNFS1340E   open_path error code *code* **(0x***code***) device** *address*

Explanation: Valid values are as follows:
  < 0: c_iucv value * -1 (error in CMSIUCV connect macro).
  > 0   error from *BLOCKIO:
      <100 = error in connect to *BLOCKIO request.
      >100 = (100 + error in *BLOCKIO read request).
       1000 = Bad label format.

User or Operator Response: None.

System Action: Error status (such as ENOMEM) is returned to the NFS client.

Source File: RDLABEL C

Procedure Name: rdlabel

| **DTCNFS1342E   Invalid argument** *arg* **ignored.**

Explanation: The VMNFS server received an SMSG request with an invalid argument.

User or Operator Response: Correct the command and reissue.

System Action: VMNFS server processing continues.

Source File: REQSMSG C

Procedure Name: smquery

| **DTCNFS1343I   Valid query arguments are: LINK, MOUNT,**
| **RESOURCE, and CONFIG**

Explanation: An invalid SMSG QUERY request was sent to the VMNFS server. The valid arguments are listed in the message.

User or Operator Response: Correct the QUERY command and reissue.

System Action: VMNFS Server processing continues.

Source File: REQSMSG C

Procedure Name: smquery

DTCNFS1350I   **Refresh command came from:** *userid* **at** *nodeid*

Explanation: This message accompanies a previous message with an invalid syntax. It indicates where the original request was issued from.

User or Operator Response: None.

System Action: VMNFS Server processing continues.

Source File: REQSMSG C

Procedure Name: smrefresh

DTCNFS1351W **Disk** *userid.address* **is not currently linked.**

Explanation: The disk specified in a REFRESH or DETACH request is not linked. This may occur because the VMNFS server has restarted and not received a client request for which this disk was needed. It may also occur because a CMS user has already sent a DETACH request that specified this disk.

User or Operator Response: None.

System Action: The program returns to the caller.

Source File: REQSMSG C

Procedure Name: smrefresh, smdetach

| **DTCNFS1352E**   *time* **Refresh request for [***userid.address* **|**
| **VMNFS.CONFIG] rejected because unique**
| **access cannot be obtained**

| **Explanation:** VMNFS attempted to gain control of the minidisk to
| be refreshed, or of the VMNFS server as a whole, but could not.

User or Operator Response: Reissue the refresh command.

System Action: VMNFS Server processing continues.

Source File: REQSMSG C

Procedure Name: smrefresh

| **DTCNFS1353I**   **[Disk | File] [***userid.address***| VMNFS.CONFIG]**
| refreshed.

| **Explanation:** The request to refresh the minidisk or VMNFS
| CONFIG file was successful.

User or Operator Response: None.

System Action: VMNFS server processing continues.

Source File: REQSMSG C

Procedure Name: smrefresh

| **DTCNFS1354E**   *time* **[Disk | File] [***userid.address* **|**
| **VMNFS.CONFIG] refresh failed; error code =**
| *ReturnCode*

| **Explanation:** For VMNFS.CONFIG, an error was received while
| trying to check for the file's existence or read the file.

| For *userid.address*, valid values are as follows:
  < 0: c_iucv value * -1 (error in CMSIUCV connect macro).
  > 0: error from *BLOCKIO:
     <100 = error in connect to *BLOCKIO request.
     >100 = (100 + error in *BLOCKIO read request).
     1000 = Bad label format.

User or Operator Response: Examine the error code and earlier console messages, and try to determine the cause for a refresh failure. If you are unable to resolve the problem, contact your IBM Support Center for assistance.

System Action: The program returns to the caller.

Source File: REQSMSG C

Procedure Name: smrefresh

| **DTCNFS1356I**   *time* **SMSG from** *userid***,** *string*

| **Explanation:** When certain tracing is activated, this message
| displays the response, *string*, sent to user ID *userid* as a result of
| processing an SMSG request.

| **User or Operator Response:** None.

| **System Action:** None.

| **Source File:** REQSMSG C

| **Procedure Name:** smrefresh

DTCNFS1357E   **detach: rc =** *ReturnCode* **from IUCV sever path**
                pathid **for device** *vaddr* **(***userid.address* **disk).**

Explanation: An IUCV sever path for the listed *pathid* failed for the listed return code reason. The sever path operation was issued because a CMS user sent a detach request to the VMNFS server specifying the disk for which this path was established to the *BLOCKIO system service.

User or Operator Response: Examine the return code and try to determine the cause for a sever path failure. Re-IPL the VMNFS virtual machine; it re-establishes minidisk links and open IUCV paths automatically as client requests are received that refer to those CMS disks.

System Action: The storage used by the Device Block is freed and the listed return code is returned to the caller.

Source File: REQSMSG C

Procedure Name: smdetach

DTCNFS1359I   *time* **SMSG from** *origin***: detach** *userid.address*

Explanation: A request was received to detach the listed minidisk.

User or Operator Response: None.

System Action: VMNFS will process the detach request.

Source File: REQSMSG C

Procedure Name: smdetach

DTCNFS1360I   **RC=***Return_Code* **from detaching** *userid.address*

Explanation: An error occured while processing a detach request. This message, sent to the requester if a command reply is desired, records that an error occurred during the processing of a detach SMSG request.

User or Operator Response: None.

System Action: The detach request is aborted.

Source File: REQSMSG C

Procedure Name: smdetach

DTCNFS1361E   **RC =** *ReturnCode* **from refresh** *userid.address*
                during detach processing.

Explanation: One of the first steps in processing a detach SMSG request is to execute the code that is used to purge disk buffers for a refresh operation. This message, sent to the requester if a command reply is desired, records that an error occurred during the processing of a detach SMSG request.

User or Operator Response: None.

System Action: The detach request is aborted.

Source File: REQSMSG C

Procedure Name: smdetach

DTCNFS1362E   Trace write failed; error *ReturnCode*

Explanation: This message indicates an unsuccessful trace file transaction for the listed return code reason. The return codes are generated by the function dump_tv, defined in the file tracev.c.

User or Operator Response: None.

System Action: None.

Source File: REQSMSG C, SIGERROR C

Procedure Name: smtwrite

DTCNFS1363E   Trace data write request failed to file *fileid* **by** *UserID* **at** *address* **(***time***).**

Explanation: This message indicates an unsuccessful trace file transaction (SMSG TWRITE command). This message is written to the VMNFS console; another message is returned to the CMS user who issued the command.

User or Operator Response: None.

System Action: None.

Source File: REQSMSG C

Procedure Name: smtwrite

DTCNFS1364I   Trace write successful to file *fileid*

Explanation: An SMSG request to write the trace file was successful.

User or Operator Response: None.

System Action: VMNFS server processing continues.

Source File: REQSMSG C, SIGERROR C

Procedure Name: smtwrite

DTCNFS1365I   Trace data written to file *fileid* **by** *userid* **at** *nodeid* **(***time***).**

Explanation: An SMSG request to write the trace data to a file was successful.

User or Operator Response: None.

System Action: VMNFS server processing continues.

Source File: REQSMSG C

Procedure Name: smtwrite

DTCNFS1366E   Invalid mask value; trace mask remains *mask-value*

Explanation: An SMSG request to change the trace mask value was not valid.

User or Operator Response: Reissue the request, specifying a valid value.

System Action: VMNFS server processing continues using the old trace mask value.

Source File: REQSMSG C

Procedure Name: smmask

DTCNFS1367I   Trace mask set to *new_mask_value***; previous value was** *old_mask_value*

Explanation: An SMSG request was made to change the trace mask value.

User or Operator Response: None.

System Action: VMNFS server processing continues using the new mask value.

Source File: REQSMSG C

Procedure Name: smmask

DTCNFS1368I   Trace mask set to *new_mask_value* **by** *origin***; previous value was** *old_mask_value*

Explanation: An SMSG request to set the trace mask value was processed.

User or Operator Response: None.

System Action: VMNFS server processing continues using the new mask value.

Source File: REQSMSG C

Procedure Name: smmask

DTCNFS1369E   reqsmsg: discarding too long SMSG from *origin*

Explanation: An SMSG request was received with an invalid syntax.

User or Operator Response: Correct the request and reissue.

System Action: VMNFS server processing continues.

Source File: REQSMSG C

Procedure Name: reqsmsg

DTCNFS1371E   Unknown verb in command: *command*

Explanation: An SMSG request was received for an unknown command.

User or Operator Response: Correct the message and reissue.

System Action: VMNFS server processing continues.

Source File: REQSMSG C

Procedure Name: reqsmsg

DTCNFS1374E   *blockio: *BLOCKIO error *ReturnCode* **from c_iucv send.**

Explanation: An unexpected error was received while processing a *BLOCKIO function. The return code is listed.

User or Operator Response: Determine the initial failing case and report it to the IBM Support Center.

System Action: An error status is returned to the NFS client.

Source File: BLOCKIO C

Procedure Name: blockio_driver

DTCNFS1375E   blockio: abnormal response *ReturnCode* **(not 'message complete')**

Explanation: An unexpected return code was received while processing a *BLOCKIO function. The return code is listed.

User or Operator Response: Determine the initial failing case and report it to the IBM Support Center.

System Action: An error status is sent to the NFS client.

Source File: BLOCKIO C

Procedure Name: blockio_driver

DTCNFS1376I **Multiple-block requests are not supported by *BLOCKIO in this version of CP; single-block requests will be used.**

Explanation: A request by VMNFS to use multiple-block requests failed.

User or Operator Response: Determine if the wrong level of CP is being used.

System Action: VMNFS server processing continues using single-block I/O.

Source File: BLOCKIO C

Procedure Name: blockio_driver

DTCNFS1377E **blockio: *BLOCKIO general error** *ReturnCode*

Explanation: An unexpected return code was received from a *BLOCKIO request.

User or Operator Response: Determine the initial failing case, and report it to the IBM Support Center.

System Action: An error status is sent to the NFS client.

Source File: BLOCKIO C

Procedure Name: blockio_driver

DTCNFS1378S **CMS level is not correct.** *Return_code* **returned by DMSQEFL.**

Explanation: The VMNFS server determined that the correct level of CMS was not being used. A level of 14 is the minimum supported.

User or Operator Response: Correct the level of CMS used by the VMNFS server.

System Action: VMNFS server processing terminates.

Source File: INIT C

Procedure Name: init

DTCNFS1381E **blockio: block {read|write} error** *Return_Code* **block number =** *block_number* **block address =** *buffer_address* **: disk vaddr =** *vdev* **disk =** *userid*.*address*

Explanation: An unexpected return code was received while processing a *BLOCKIO function. The listed information will help indicate where the error occurred.

User or Operator Response: Determine the initial failing case, and report it to the IBM Support Center.

System Action: An error status is returned to the NFS client.

Source File: BLOCKIO C

Procedure Name: wr_bloks, bmbread

DTCNFS1383I **reqmount: unknown authorization flavor** *flavor* **from foreign address** *address*

Explanation: An unknown style of authentication was received. VMNFS accepts only AUTH_UNIX, AUTH_DES, or AUTH_SHORT.

User or Operator Response: Determine why an unsupported authentication style was used by the client.

System Action: An error response is returned to the NFS client.

Source File: REQSTART C

Procedure Name: check_auth

DTCNFS1384I *time* **Umount** *userid.address* **usage data:**

Explanation: VMNFS received a request to unmount the specified device.

User or Operator Response: None.

System Action: VMNFS server processing continues.

Source File: REQSTART C

Procedure Name: reqmount

DTCNFS1385E **reqmount: disk** *userid.address* **not detached by umount (too busy).**

Explanation: A VMNFS request to unmount a minidisk could not be processed because it could not obtain exclusive access to the minidisk.

User or Operator Response: Reissue the umount.

System Action: VMNFS server processing continues.

Source File: REQSTART C

Procedure Name: reqmount

DTCNFS1386I **Umount:** *userid.address* **detached**

Explanation: A request to unmount a minidisk was successful.

User or Operator Response: None.

System Action: VMNFS server processing continues.

Source File: REQSTART C

Procedure Name: reqmount

DTCNFS1387I *time* **Umount-all** *userid.address* **usage data:**

Explanation: VMNFS received a request to umount all disks and directories.

User or Operator Response: None.

System Action: VMNFS server processing continues.

Source File: REQSTART C

Procedure Name: reqmount

DTCNFS1388I **Umount-all:** *userid.address* **detached**

Explanation: A request to unmount a directory was successful.

User or Operator Response: None.

System Action: VMNFS server processing continues.

Source File: REQSTART C

Procedure Name: reqmount

DTCNFS1389I **Unknown or unsupported NFS procedure (number** *procedurenumber***)**
DTCNFS1390I **NFS client address =** *address*

Explanation: The specified NFS procedure request from the listed IP address was not one of the NFS procedures that are supported by the VMNFS server. Procedures not supported are:

- Get filesystem root (3) [obsolete]
- Write to cache (7) [intended for the next version of NFS protocol]

User or Operator Response: Determine why an unsupported procedure was requested by the client. Applications that depend on services not available in CMS must use a different NFS server.

System Action: The error status is sent to the NFS client.

NFS Messages

Source File: REQSTART C

Procedure Name: check_auth

DTCNFS1391E   Undecodable header in received request.

Explanation: This error message is issued to the server in the case of an incorrect NFS call message. If the program cannot decode the header, it is ignored, and this message is issued. This message usually occurs because of corruption of a NFS client's datagram during transmission in the network from client to server.

User or Operator Response: Check whether the NFS client system is generating checksums for NFS datagrams. Many client systems do not generate checksums to run with less overhead, but can be configured, typically by setting a flag in the kernal, to generate them. Datagrams arriving with invalid checksums are discarded by TCPIP, therefore the VMNFS server never sees them. NFS clients, when a response is not received for a request, attempt recovery by resending the request. If the retransmitted request arrives with a correct checksum, it is accepted and is unlikely to produce this message.

System Action: The incorrect datagram is ignored.

Source File: REQSTART C

Procedure Name: reqstart

DTCNFS1392I   Unknown program.

Explanation: The requested program was not MOUNTPROG (100005), NFSPROC (100003), or PCNFSDPROG (150001). These are the only programs supported by the VM NFS server.

User or Operator Response: Determine why an NFS client is calling a program not documented in the NFS RFC. Perhaps the client can be configured to avoid making these calls.

System Action: Error status (program not available) is sent to the client.

Source File: REQSTART C

Procedure Name: reqstart

DTCNFS1394I   *time* Bad password or no LOGON BY privileges for userid *userid* by *byuserid* from *address*.

Explanation: An invalid password was given on a mount request, or if *userid* and *byuserid* are different, *byuserid* does not have LOGON BY privileges for *userid*.

User or Operator Response: Correct the password or give LOGON BY privileges to *byuserid*.

System Action: VMNFS server processing continues.

Source File: NFSLINK C

Procedure Name: checkpw

DTCNFS1400E   Return code *Return_Code* from: *command*

Explanation: An unexpected return code was received while processing the listed AUTOLINK command. The return code displayed should help in problem determination.

User or Operator Response: Determine the cause of the error. If necessary, call the IBM Support Center.

System Action: An error status is sent to the NFS client.

Source File: NFSLINK C

Procedure Name: nfslink

DTCNFS1403E   Unexpected return code *rc* reason code *rs* from call to *CMS_function* in *nfsfunction*.

Explanation: All anticipated return codes from calls to VM services are interpreted and used to generate an appropriate response to the NFS client. This message is written when some other, unanticipated return code is received.

User or Operator Response: None.

System Action: A status of interrupted system call is sent to the NFS client.

Source File: LINKDEV C

Procedure Name: nfslink

DTCNFS1404E   Unexpected return code *ReturnCode* from: *command*

Explanation: The listed CP command failed with the listed return code.

User or Operator Response: None.

System Action: Another message is sent to the SIGERROR procedure, which denotes that this condition has occured, then the program exits, to be restarted by PROFILE EXEC. If this error is encountered during initialization the VM NFS server terminates.

Source File: NFSLINK C, INIT C

Procedure Name: nfslink, init

DTCNFS1406E   *time* {SFS|BFS|MDISK|*blank*} error from *CMS_function*: return code *return_code* reason code *reason_code*, function *nfs_function* called from *address* wuerror data:length=*length* number=*number* total_errors=*total_errors* fperror data:*data* warning_codes:*warnings*

Explanation: An unexpected return code and reason code was received while processing a request.

User or Operator Response: Determine the initial failing case. For BFS errors, information is available in the *IBM OpenEdition for VM/ESA: Callable Services Reference*. For SFS errors, information is available in the *VM/ESA: CMS Application Development Reference for Assembler*. If necessary, report the error to the IBM Support Center.

System Action: An error status is returned to the NFS client.

Source File: FINDSFS C, BFSPROC C, INIT C, NFSMAINC C, NFSSFSWU C, NFSSMSG C, NFSXLAT C, IO1 C, BFSOFILE C.

Procedure Name: *nfs_function*

DTCNFS1410E   call_VMNFSMON: rc = *return_code* from: *globalv_cmd*. GLOBALV data will be ignored.

Explanation: An unexpected error was received from the GLOBALV command after calling the VMNFSMON exit routine.

User or Operator Response: Determine why the GLOBALV failed, and if necessary, contact the IBM Support Center.

System Action: VMNFS ignores the GLOBALV data.

Source File: NFSLINK C

Procedure Name: call_VMNFSMON

| **DTCNFS1411E   call_VMNFSMON: error parsing GLOBALV data from external mount monitor.**

Explanation: An unexpected error occurred parsing the GLOBALV
| data after calling the VMNFSMON exit routine.

User or Operator Response: Correct the GLOBALV problem or if
necessary, contact the IBM Support Center.

System Action: An error status is returned to the NFS client.

| **Source File:** NFSLINK C

| **Procedure Name:** call_VMNFSMON

DTCNFS1416E   SIGERROR called: *errorstring*

Explanation: SIGERROR is called when a condition is recognized
that makes it impossible or unwise for the VMNFS server to
continue. Many of these conditions are never expected to occur,
except when there is a logic error in the VMNFS code.

Some of these conditions occur because of activity outside the
control of the NFS server, such as modification by another CMS
virtual machine of a minidisk to which VMNFS has a read-only link.
The SMSG REFRESH command tells the VMNFS server to discard
all information it has from a disk that may be incorrect because of
modification by another virtual machine. Nevertheless, there is no
guarantee that the REFRESH commands are received before
VMNFS attempts to use the incorrect information.

See the section "SIGERROR Error Strings" on page 75 for detailed
information on the error string that is received with this message.

User or Operator Response: Follow the instructions given in the
documentation for the specific error message issued.

System Action: After the message string is output, the sum_op
procedure is called to output a system status summary report. The
program is then exited by invoking procedure c_hiucv to clear all
IUCV activity, then procedure cendtcpip is invoked to clear all
TCP/IP activity, and finally the program exits with a return code of 1.

Source File: SIGERROR C

Procedure Name: SIGERROR

DTCNFS1420E   *Function*: request for task (*address*) terminated with pending disk block writes.

Explanation: Termination of the task occurred without flushing the
pending data to the minidisk or directory. Updates will be lost.

User or Operator Response: If the error recurs, report it to the
IBM Support Center.

System Action: VMNFS server processing continues.

Source File: TASKEND C, BLOCKIO C

Procedure Name: TASKEND, wr_bloks

DTCNFS1421E   RC = *Return_Code* **from** *command*

Explanation: The VMNFS server did not find a 191 minidisk
| defined or an error occurred while trying to determine if the 191
| minidisk was defined.

User or Operator Response: Make a minidisk with an address of
| 191 available to the VMNFS server. If the msg indicates a condition
| code, try to determine the failing case and report the problem to the
| IBM Support Center.

System Action: VMNFS server processing terminates.

Source File: INIT C

Procedure Name: init

DTCNFS1422E   Init error: cannot understand response to "CP Query Virtual 191"

Explanation: The expected response was not received from the
command.

User or Operator Response: Try to determine the failing case and
report the problem to the IBM Support Center.

System Action: VMNFS server processing terminates.

Source File: INIT C

Procedure Name: init

DTCNFS1423E   VMNFS requires a read-write 191 disk.

Explanation: The response from "CP Query Virtual 191" indicated
that the 191 disk was not linked in the required read-write mode.

User or Operator Response: Make the 191 disk available in
read-write mode to the VMNFS server.

System Action: VMNFS server processing terminates.

Source File: INIT C

Procedure Name: init

DTCNFS1424I   The Language Environment C runtime library is not configured to discern Daylight Savings Time.

Explanation: This message is generated on the console of the VM
NFS server when the NFS server detects that Daylight Savings Time
information is not available on the system.

User or Operator Response: Make sure that the Language
Environment is set up correctly for your system.

System Action: VMNFS processing continues.

Source File: INIT C

Procedure Name: init

DTCNFS1425I   File times reported by VMNFS will be inaccurate for times when daylight savings was in effect.

Explanation: This message accompanies message DTC1424I on
the console of the VM NFS server virtual machine when Daylight
Savings Time information is not available on the system. When this
message is displayed, the file time(s) reported to NFS clients will be
inaccurate for times when Daylight Savings was in effect.

User or Operator Response: Make sure that the Language
| Environment is set up correctly for your system.

System Action: VMNFS processing continues.

Source File: INIT C

Procedure Name: init

DTCNFS1426I   Disk with label *label* at virtual address *address* accessed as mode *mode* has been released.

Explanation: The VMNFS server requires a range of minidisk
addresses to be reserved for use by VMNFS. If any are found in the
range of 0600 to 0A00, VMNFS releases them.

User or Operator Response: You may want to redefine any
minidisks that conflict with this range.

System Action: VMNFS processing continues.

Source File: INIT C

Procedure Name: init

DTCNFS1427E   IUCV initialization error code *code* **(0x***code***)**

Explanation: The listed incorrect code was returned from procedure c_hiucv when a HNDIUCV SET operation was commanded.

User or Operator Response: Determine the cause for the failure, correct it, and try again.

System Action: Another message is sent to the SIGERROR procedure, which denotes that an IUCV failure has occurred, and the program exits.

Source File: INIT C

Procedure Name: init

DTCNFS1428E   init: cannot allocate tracev buffer of *number* **(0x***number***) bytes.**

Explanation: Storage request failed.

User or Operator Response: Define a larger virtual storage for the VMNFS virtual machine.

System Action: The program exits with a code of 103 and halts.

Source File: INIT C

Procedure Name: init

DTCNFS1429E   tracev: invalid argument type *type* **in call from address** *address*

Explanation: Calls to the tracev function copy internal operational data about the VMNFS server to a circular buffer. A call has prepared an invalid parameter list for the tracev function, which probably indicates a noncritical code error in the VMNFS server. This information is intended for debug purposes, and the trace operation is not necessary to the normal operation of the VMNFS server.

User or Operator Response: Report the problem to the IBM Support Center.

System Action: None.

Source File: TRACEV C

Procedure Name: tracev

DTCNFS1430I   Format is: tvprint fileid.
DTCNFS1431I   Example: tvprint tracev.file
DTCNFS1432I   If HEX is specified, hexadecimal display of all trace data follows the formatted display.

Explanation: This message is displayed when the TVPRINT module is not invoked with the correct number of parameters.

User or Operator Response: Correct the parameters and reissue the command.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1433E   Invalid tracev buffer size *buff_size* **(0x***hex_buff_size***)**

Explanation: An incorrect size of the internal trace buffer was determined.

User or Operator Response: Ensure the correct fileid was specified on the TVPRINT command.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1434I   tracev buffer size is *buff_size* **(***hex_buff_size***) bytes.**

Explanation: This message displays the size of the internal trace buffer. A request will be made to obtain virtual storage of this size.

User or Operator Response: None.

System Action: TVPRINT processing continues.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1435E   Cannot allocate tracev buffer of *buff_size* **(0x***hex_buff_size***) bytes.**

Explanation: A request to obtain virtual storage in the listed size was unsuccessful.

User or Operator Response: Define a larger virtual machine for use in formatting the trace file.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1436E   fseek error on input file.

Explanation: An unexpected return code was received while processing the trace file.

User or Operator Response: Determine if the correct input file was used.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1437E   Error reading tracev buffer from input file

Explanation: An unexpected return code was received while processing the tracev buffer.

User or Operator Response: Determine if the correct input file was used.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1438E   Failure reading tracev buffer

Explanation: An unexpected return code was received while reading the input file.

User or Operator Response: Determine if the correct input file was used.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1439E   Cannot allocate storage map.

Explanation: A request to obtain storage by the TVPRINT module failed.

User or Operator Response: Define a larger virtual machine to process the trace file or determine if the correct input file was used.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1440E   Failure reading storage map

Explanation: An unexpected error was received reading the storage map while processing the TVPRINT command.

User or Operator Response: Determine if the correct input file was used.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1441E   Format error in simple storage map.

Explanation: The storage map being processed was not in the correct format.

User or Operator Response: Determine if the correct input file was used.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1442I   low-level trace buffer size is *num_bytes* **(***hex_num_bytes***)**

Explanation: This message indicates the size of the low-level trace buffer that will be displayed.

User or Operator Response: None.

System Action: None.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1443E   Unable to allocate low-level trace buffer of *num_bytes* **(0x***hex_num_bytes***) bytes.**

Explanation: A request to obtain storage for the low-level trace buffer could not be satisfied.

User or Operator Response: None.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1444E   Cannot open tracev callid file *fileid*

Explanation: An unexpected error was received trying to open the specified file.

User or Operator Response: Determine if the file is available.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1445E   Format error reading tracev callid file *fileid* **at line** *line_num* **:** *datum*

Explanation: While processing the callid file, an unexpected error occurred.

User or Operator Response: Determine if the correct callid file was used.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1446I   Time stamp of first tracev element is: *time*

Explanation: This message indicates the time associated with the trace element.

User or Operator Response: None.

System Action: TVPRINT processing continues.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1447E   Invalid format for tracev element at relative address *address***, previous element at relative address** *prev_address*

Explanation: An invalid trace record was found.

User or Operator Response: Determine if the correct trace file was used.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1448E   Invalid callid value *value* **(0x***hex_value***).**

Explanation: An unexpected value was found while processing the trace file.

User or Operator Response: Determine if the correct trace file was used.

System Action: TVPRINT processing terminates.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1450E   Unrecognized tracev callid value *value* **(0x***hex_value***)**

Explanation: An unexpected value was found while processing the trace file.

User or Operator Response: None.

System Action: Processing of the element is ignored.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1464I   Directory is not locked.

Explanation: This message indicates the minidisk directory was not locked.

User or Operator Response: None.

System Action: TVPRINT processing continues.

Source File: TVPRINT C

Procedure Name: main

DTCNFS1472I *time* **Rename of Name Translation file on disk** *userid.address* **is not possible because temporary file ##NFS##.#RNAMES# exists.**

Explanation: The file name that was entered cannot be used because the file name already exists.

User or Operator Response: Advise the disk owner. A CMS ERASE command can delete the ##NFS## #RNAMES# file.

System Action: Error status NFSERR_NOTEMPTY is sent to the NFS client.

Source File: NFSRENAM C

Procedure Name: nsfrename

| **DTCNFS1473E** **File erase failure: disk** *userid.address* **file** *filename filetype*

Explanation: This message signals a file erase failure. This should not occur in ordinary circumstances. An error probably exists in the file system structure on the CMS disk. Possible causes include:

- Failure in the VMNFS code
- Damage because of concurrent write links to a minidisk from more than one CMS virtual machine
- Disk write errors because I/O operations were not correctly completed (because of power or hardware failures).

User or Operator Response: A CMS FORMAT command creates a new file system structure on a minidisk. Because FORMAT eradicates all existing files on a minidisk, verify that backup data for the disk is available, or copy all files that can be read from the affected disk to a safe place, before starting a format operation. It is likely that CMS reports a fatal file system error when trying to copy at least one file on the disk. When this happens, restart CMS and try the next file.

System Action: I/O error status is returned to the NFS client.

Source File: NFSRENAM C

Procedure Name: nfserase

DTCNFS1477S **FINDBLOK: wait for Buffer Block failed block=**``block_number`` **device=**``userid.address`` **vaddr=**``vaddr``

Explanation: A task waiting for a disk read operation started by another task recognized that the read operation failed. The I/O error is reported by the task that initiated the operation. This message records the fact that a second task was affected by the same failure.

User or Operator Response: None.

System Action: The NFS client's request is abandoned. The task processing it is aborted.

Source File: FINDBLOK C

Procedure Name: findblok

DTCNFS1482E **returning cc=**``cc`` **rc=**``ReturnCode`` **from diag 0x4C**

Explanation: An incorrect return code was received from a Diagnose code X'4C'. The VMNFS virtual machine probably does not have the privilege needed to use this Diagnose code.

User or Operator Response: Correct the CP directory entry for VMNFS. If VMNFS cannot use Diagnose X'4C', the invalid password count is reached, and all subsequent LINK requests can be failed by CP.

System Action: The program continues with a return of FALSE.

Source File: NFSUTIL C

Procedure Name: senddata

| **DTCNFS1486E** **Record length exceeds CMS V maximum: file**
| **offset x**``offset``

Explanation: The program fails the test for an attempt to create a record longer than the maximum length that CMS allows, which is 64K bytes. This message is followed by an operation summary.

User or Operator Response: None.

System Action: NFSERR_IO is returned to the NFS client.

Source File: NFSWRIT1 C

Procedure Name: write_V

DTCNFS1492I **Maxlen value inappropriate; 256 will be used.**

Explanation: The maxlen value specified as an argument on the PRINTLOG command is not valid. It is either 0 or too large.

User or Operator Response: None.

System Action: VMNFS PRINTLOG processing continues using a value of 256.

Source File: PRINTLOG C

Procedure Name: main

DTCNFS1493E **Cannot open output file** *fileid*

Explanation: The PRINTLOG command encountered an error opening the listed output file.

User or Operator Response: Try to determine the error with the file and reissue the PRINTLOG command.

System Action: PRINTLOG processing terminates.

Source File: PRINTLOG C

Procedure Name: main

DTCNFS1495E **Error code** *Error_code* **from creadbin at record number** *nnnnn*

Explanation: In processing the trace log file, the PRINTLOG encountered an error. The listed error code should help in problem determination.

User or Operator Response: Try to determine the problem and reissue the PRINTLOG command.

System Action: PRINTLOG processing terminates.

Source File: PRINTLOG C

Procedure Name: main

DTCNFS1497E **Incorrect argument.**

Explanation: A problem was found while formatting the VMNFS trace file.

User or Operator Response: Determine if the correct trace log file was used as input to the PRINTLOG command. If necessary, report the problem to the IBM Support Center.

System Action: PRINTLOG processing terminates.

Source File: PRINTLOG C

Procedure Name: main

DTCNFS1499I   **Current operation summary at** *time*

Explanation: This informational header message lists the timestamp for the current operational summary report to follow.

User or Operator Response: The SUM_OP procedure creates a current operation summary report for the NFS program. This report is often the result of an error condition in NFS. Use the report to help with problem resolution where possible.

System Action: Control is always returned to the caller for further processing after the SUM_OP report is written to stderr.

Source File: SUM_OP C

Procedure Name: sum_op

DTCNFS1500I   **Task block address is zero: there is no current operation.**

Explanation: The VMNFS server is stopped by a #CP EXT command entered from its console.

User or Operator Response: None.

System Action: None.

Source File: SUM_OP C

Procedure Name: sum_op

DTCNFS1501I   **Task block address:** *TaskBlockAddress*

Explanation: This message lists the task block address for the current operational summary report.

User or Operator Response: The SUM_OP procedure creates a current operation summary report for the NFS program. This report is often the result of an error condition in NFS. Use the report to help with problem resolution where possible.

System Action: None.

Source File: SUM_OP C

Procedure Name: sum_op

DTCNFS1502I   **Client IP address:** *address* **(***nnn.nnn.nnn.nnn***)**

Explanation: This informational message lists the Client IP address in hexadecimal and dotted decimal notation for the current operational summary report.

User or Operator Response: The SUM_OP procedure creates a current operation summary report for the NFS program. This report is often the result of an error condition in NFS. Use the report to help with problem resolution where possible.

System Action: Control is always returned to the caller for further processing after the SUM_OP report is written to stderr.

Source File: SUM_OP C

Procedure Name: sum_op

| **DTCNFS1503I**   **Queued write request at offset x***offset***, length**
| **x***length*

Explanation: This message lists the queued write request data for the current task in an operational summary report.

User or Operator Response: The SUM_OP procedure creates a current operation summary report for the NFS program. This report is often the result of an error condition in NFS. Use the report to help with problem resolution where possible.

System Action: Control is always returned to the caller for further processing after the SUM_OP report is written to stderr.

Source File: SUM_OP C

Procedure Name: sum_op

DTCNFS1504I   **RPC program** *program* **version** *version*
       procedure *procedure*

Explanation: This informational message lists RPC program data for the current operational summary report.

User or Operator Response: The SUM_OP procedure creates a current operation summary report for the NFS program. This report is often the result of an error condition in NFS. Use the report to help with problem resolution where possible.

System Action: Control is always returned to the caller for further processing after the SUM_OP report is written to stderr.

Source File: SUM_OP C

Procedure Name: sum_op

DTCNFS1505I   **File** *filename filetype* **on disk** *userid***.***address*
       (vaddr *vaddr* **)**

Explanation: This message lists the file name, type, and user ID for the current operational summary report. This message is written for each file in use by the current task.

User or Operator Response: The SUM_OP procedure creates a current operation summary report for the NFS program. This report is often the result of an error condition in NFS. Use the report to help with problem resolution where possible.

System Action: Control is always returned to the caller for further processing after the SUM_OP report is written to stderr.

Source File: SUM_OP C

Procedure Name: sum_op

| **DTCNFS1508I**   **Return code** *ReturnCode* **reason code**
| *ReasonCode* **from DMSLINK for**
| **"***CP_link_command_string***"**

| **Explanation:** This message is written by the default exit routine
| named nfsbadpw supplied with the VMNFS server. The nfsbadpw
| routine can be replaced by the local installation to perform another
| sort of logging of LINK requests.

| DMSLINK is a CSL routine that performs the function of a CP LINK
| command. *CP_link_command_string* is equivalent to the values
| passed to DMSLINK.

DTCNFS1509I   **Mount command from address** *ddd.ddd.ddd.ddd*

Explanation: This message is written by the default exit routine named nfsbadpw supplied with the VMNFS server. COMMAND is the CP LINK command that was attempted during processing of a client's mount request. The nfsbadpw routine can be replaced by the local installation to perform another sort of logging of failed LINK requests.

User or Operator Response: None.

System Action: The program continues. Depending on the error, status such as access denied or read-only file system might be returned to the NFS client.

Source File: NFSBADPW C

Procedure Name: nfsbadpw

DTCNFS1511E   *module name: socket function***() call on line** *line number* **failed, reason is:** *reason*

Explanation: A call to *module name: socket function* has failed. The *reason* for the failure will be included in the message.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM support Center.

If the message displayed lists the *module name* as NFSMAINC and *socket function* as bind, with the *reason* being: Address already in use (EADDRINUSE), you may have been running a prior release version of the VM NFS server and re-ipled CMS in the virtual machine, and then started the current release of the VM NFS server. If this was the case, the prior release version of the VM NFS server may not correctly clean up its use of resources.

System Action: None.

Source File: NFSMAINC C, NFSUTIL C, SIGERROR C

Procedure Name: main

DTCNFS1512W   TCPCSLIB CSLLIB not available; SFS operations are disabled.

Explanation: The required CSLLIB was not found. Requests for SFS & BFS objects will not be processed.

User or Operator Response: Determine why the TCPCSLIB CSLLIB could not be found.

System Action: Processing continues for minidisk requests only.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1513I   *time* **NFSPROC_NULL call received from** *address***, XID 0x***ID*

Explanation: An NFSPROC_NULL request was received by the VMNFS server.

User or Operator Response: None.

System Action: A null reply is sent to the NFS client.

Source File: REQSTART C

Procedure Name: reqnfs

DTCNFS1514E   Format is: replytag verb ...

Explanation: An SMSG request with an invalid syntax was received by the VMNFS server.

User or Operator Response: Correct the SMSG request and reissue.

System Action: VMNFS processing continues.

Source File: REQSMSG C

Procedure Name: reqsmsg

DTCNFS1515I   TRACENUL flag is now *trace_value*

Explanation: An SMSG request to set the TRACENUL flag was processed.

User or Operator Response: None.

System Action: VMNFS processing continues.

Source File: REQSMSG C

Procedure Name: reqsmsg

DTCNFS1516I   *time* **Syntax error in Refresh command from** *origin***:** *SMSG string*

Explanation: VMNFS received an SMSG Refresh command with invalid syntax.

User or Operator Response: Correct the syntax and reissue the command.

System Action: VMNFS processing continues.

Source File: REQSMSG C

Procedure Name: smrefresh

| **DTCNFS1519W   File** *filename* **not found; initialization continuing**

| **Explanation:** The identified file, used by VMNFS server
| initialization, was not found.

User or Operator Response: None.

System Action:

- VMNFS initialization continues. For VMNFS CONFIG, MOUNTs specifying lines=ext or trans=ext will not work as described in the "NFS File Extension Defaults" section of the *TCP/IP User's Guide*. Instead, all file names will default to lines=CMS and trans=no, which is equivalent to the record=binary default.

| - If *filename* is VMNFS HISTORY or VMNFS TRANSLAT, the
| VMNFS HISTORY and VMNFS TRANSLAT files are recreated.
| This causes all current mounts to be invalidated. Clients who
| have previously mounted a file system will receive an error
| indicating that the file handle is STALE. The file system must
| be remounted.

Source File: INIT C

| **Procedure Name:** init_config

DTCNFS1520E   The file pool server is not at the proper release level

Explanation: An attempt was made to MOUNT a BFS directory residing in a file pool server running at a release level earlier than VM/ESA Version 2, Release 3.0.

User or Operator Response: Contact system support to upgrade the file pool server to at least VM/ESA Version 2, Release 3.0.

System Action: Error status NFSERR_IO is sent to the NFS client.

Source File: BFSPROCS C

Procedure Name: Mount_BFS

DTCNFS1521I   *item* **on line** *lineno* **of file VMNFS CONFIG is** *error*

Explanation: An error was encountered while processing the file VMNFS CONFIG. The *item* describes the option or record that is in error. The *error* describes both the cause of the problem and the action taken - either to ignore the entire record or to ignore the option that is in error.

User or Operator Response: Correct the record in VMNFS CONFIG that has the error.

System Action: The record or option is ignored.

Source File: INIT C

| **Procedure Name:** init_config

| **DTCNFS1523I**   File *filename* **TCPXLBIN used for default translation table**

| **Explanation:** The translation table in the identified file will be used
| for ASCII/EBCDIC translation when no **XLATE** value is specified on
| client mount requests.

| **User or Operator Response:** None.

| **System Action:** VMNFS server initialization continues.

| **Source File:** NFSXLAT C

| **Procedure Name:** init_xlat

| **DTCNFS1524W**   **Error reading file** *filename filetype fm*;
| **initialization continues**

| **Explanation:** The identified file, used by VMNFS server
| initialization, was not found on any of the accessed disks, or an error
| occurred while reading the file.

| **User or Operator Response:** None.

| **System Action:** VMNFS server initialization continues. If *filetype* is
| TCPXLBIN, any NFS clients who have previously mounted file
| systems using **XLATE=filename** will receive an error indicating that
| the file handle is STALE. The file system must be remounted.

| **Source File:** NFSXLAT C

| **Procedure Name:** init_xlat

| **DTCNFS1525E**   **No space remaining in VMNFS TRANSLAT file.**
| **Unable to add** *tablename*

| **Explanation:** An NFS client attempted to mount a file system using
| **XLATE=**, specifying a translation table that is not active. There is no
| room to add the new active translation table.

| **User or Operator Response:** The TCP/IP administrator can
| 'refresh' the translation table mapping by stopping the VMNFS
| server machine, erasing the **VMNFS TRANSLAT** file on the server's
| 191 disk, and restarting the server. *Note that this also results in a*
| *refresh of the VMNFS HISTORY file. This invalidates all file*
| *handles. Clients who have previously mounted a file system will*
| *receive an error indicating that the file handle is STALE. The file*
| *system must be remounted.*

| **System Action:** Error status NFSERR_IO is sent to the NFS client.

| **Source File:** NFSXLAT C

| **Procedure Name:** name_xlat_locate

| **DTCNFS1526W**   **VMNFS HISTORY and VMNFS TRANSLAT do**
| **not match**

| **Explanation:** The two files, which are used by VMNFS server
| initialization, exist but the timestamps indicate that they are not in
| synchronization.

| **User or Operator Response:** None.

| **System Action:** The files are erased and recreated, and VMNFS
| server initialization continues. Any NFS clients who have previously
| mounted a file system will receive an error indicating that the file
| handle is STALE. The file system must be remounted.

| **Source File:** INIT C

| **Procedure Name:** init_xlat

| **DTCNFS1527E**   **Error reading file** *filename*, **server terminated.**

| **Explanation:** The VM NFS server requires file *filename* for its
| operation. An attempt to read this file failed

| **User or Operator Response:** Determine why the named file
| cannot be read.

| **System Action:** VMNFS Server processing terminates.

| **Source File:** INIT C

| **Procedure Name:** init_config

| **DTCNFS1528I**   **Accept of socket** *m* **greater than FD_SETSIZE** *n*

| **Explanation:** An accept of a TCP socket connection returned a
| socket descriptor with a value greater than FD_SETSIZE which
| cannot be used by the VM NFS server.

| **User or Operator Response:** None.

| **System Action:** The VM NFS server rejects the connection
| attempt. To prevent having to reject future TCP connections, the
| VMNFS server will set up to close all existing TCP socket
| connections with NFS clients that have been inactive for more than 5
| minutes.

| **Source File:** NFSUTIL C

| **Procedure Name:** Handle_New_TCP_Client

| **DTCNFS1543E**   **Cannot allocate virtual storage**

| **Explanation:** The VMNFS server was not able to process a
| request, because an error was returned on an attempt to allocate
| virtual storage.

| **User or Operator Response:** None.

| **System Action:** VMNFS server processing continues.

| **Source File:** REQSMSG C

| **Procedure Name:** add_cmi

| **DTCNFS1544E**   **Authorization denied by VMNFSSMG.EXEC**

| **Explanation:** The system administrator activated an exit for the
| VMNFS server, called VMNFSSMG EXEC, which denied your SMSG
| request.

| **User or Operator Response:** Contact your system administrator to
| see why the request was denied.

| **System Action:** The program returns to the caller.

| **Source File:** NFSSMSG C

| **Procedure Name:** SMAUTH

| **DTCNFS1546E**   **Unable to accept new TCP connections from**
| **NFS clients**

| **Explanation:** When attempting to accept a TCP connection for an
| NFS client, the VM NFS server received an error indicating the TCP
| connection limit has been reached.

| **User or Operator Response:** When this condition occurs, NFS
| clients using the TCP transport protocol will be unable to connect to
| the VM NFS server until existing connections are closed.

| The VM NFS server is configured to handle a specific number of
| TCP transport protocol connections with NFS clients. The VM NFS
| system administrator can increase this number by specifying a larger
| value for the MAXTCPUSERS configuration record in the VMNFS
| CONFIG file. See the *TCP/IP Planning and Customization* book for
| the description of the MAXTCPUSERS configuration record and
| VMNFS CONFIG file.

System Action: The limit for the number of NFS clients using the TCP transport protocol has been reached. The VM NFS server will not accept new NFS client connections over the TCP transport protocol until existing NFS clients close their connections with the VM NFS server.

Source File: NFSUTIL C

Procedure Name: Handle_New_TCP_Client

DTCNFS1547E   Size of buffer defined for UDP is too small

Explanation: The lrg_env_size parameter on the LARGEENVELOPEPOOLSIZE configuration statement has a value less than 8192. It must be 8192 or larger for the VM NFS server to operate correctly.

User or Operator Response: The VM NFS administrator must change the lrg_env_size parameter to have a value of 8192 or larger.

System Action: VMNFS server processing terminates.

Source File: NFSMAIN C

Procedure Name: main

DTCNFS1553I   MAXTCPUSERS value adjusted from *n1* to *n2*

Explanation: The VM NFS server could not use n1 as the maximum number of concurrent NFS clients using the TCP transport protocol. Instead it will use n2.

User or Operator Response: In order for the VM NFS server to use the MAXTCPUSERS value of n1, the SKCBPOOLSIZE configuration parameter for the TCP/IP stack must be configured to be n1 or greater. See "Configuring the TCP/IP Virtual Machine", in VM/ESA: TCP/IP Function Level 320 Planning and Customization, SC24-5847

System Action: The VM NFS server has set n2 as the maximum number of concurrent NFS clients using the TCP transport protocol.

Source File: NFSUTIL C

Procedure Name: Init_Socket

DTCNFS1554E   Unable to allocate storage for <read|write> fd set

Explanation: Initialization of the VM NFS server was unable to obtain storage for the specified read or write fd set.

User or Operator Response: Make sure the VM NFS server is defined to be the recommended virtual machine size or larger. If it is not, increase the size of the virtual machine to the recommended virtual machine size as defined in the VM/ESA : TCP/IP Function Level 320 Planning and Customization book.

System Action: VM NFS server processing terminates

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1555E   Unable to initialize external security manager environment. Return code *ReturnCode*, reason code *ReasonCode*.

Explanation: An attempt was made to initialize the external security manager because `:ESM_Enable.Yes` was specified in the DTCPARMS file or the `'R'` start up parameter was specified. The call to CSL routine DMSESM failed with the return and reason codes shown.

User or Operator Response: Consult the *VM/ESA: CMS Application Development Reference* for information on the on the

external security manager codes returned by the DMSESM CREATE_TOKEN CSL routine.

System Action: Initialization terminates.

Source File: NFSMAINC C

Procedure Name: main

DTCNFS1556E   Log data: *Log_data*

Explanation: An earlier message indicated there was a problem with a call to a CMS function, and that CMS function returned detailed *log_data* describing the error.

System Action: None.

Source File: NFSLINK C

Procedure Name: checkpw

DTCNFS1557E   No EXPORT list defined when EXPORTONLY YES was specified

Explanation: The list of export entries from the VMNFS CONFIG file is empty and the EXPORTONLY YES option has been specified.

User or Operator Response: When this condition occurs, NFS clients will not be able to mount anything. In order to make the server useful again, the VMNFS CONFIG file must be refreshed with new EXPORT entries or EXPORTONLY NO. Also, anything mounted previous to a refresh of the server will remain mounted after the refresh.

System Action: If this occurs during the first initialization of the VMNFS CONFIG file, the server will be stopped. If it occurs during a smsg refresh, this message will be output, but the server will stay up.

Source File: INIT C

Procedure Name: init_config

DTCNFS1559E   VM NFS server is missing class B privileges or diagnose 88 authorization

Explanation: The VM NFS server virtual machine requires class B privileges and Diagnose 88 authorization for password checking and minidisk links.

User or Operator Response: Ensure that the VM NFS server virtual machine's user directory entry includes Class B privileges and an **OPTION DIAG88** statement.

System Action: The VM NFS server terminates.

Source File: INIT C

Procedure Name: init

DTCNFS1560E   Incorrect level of CP; required function not available

Explanation: Diagnose 88 support is not available in the level of CP that you are running.

User or Operator Response: Upgrade to the appropriate level of VM/ESA.

System Action: The VM NFS server terminates.

Source File: INIT C

Procedure Name: init

| **DTCNFS1561E   Unable to set desired MAXTCPUSERS value.**

| **Explanation:** An error occurred trying to set the MAXTCPUSERS
| value.

| **User or Operator Response:** Verify that the VM NFS server is
| built with the correct COMMTXT TXTLIB. If correct, report the
| problem to the IBM Support Center.

| **System Action:** VMNFS server processing terminates.

| **Source File:** NFSUTIL C

| **Procedure Name:** Init_Socket

| # SIGERROR Error Strings

| Following are the SIGERROR error strings associated with
| message DTCNFS1416E.

| SIGERROR is called when a condition is recognized that
| makes it impossible or unwise for the VMNFS server to
| continue. Many of these conditions are never expected to
| occur, except when there is a logic error in the VMNFS code.

| Some of these conditions occur because of activity outside
| the control of the NFS server, such as modification by
| another CMS virtual machine of a minidisk to which VMNFS
| has a read-only link. The SMSG REFRESH command tells
| the VMNFS server to discard all information it has from a
| disk that may be incorrect because of modification by
| another virtual machine. Nevertheless, there is no guarantee
| that the REFRESH commands are received before VMNFS
| attempts to use the incorrect information.

Can not register NFS with PORTMAPPER

Severity: Error.

Explanation: Failed to register NFS and MOUNT programs with
port mapper. The only common reason for this is that the
PORTMAP virtual machine is not running.

User or Operator Response: Evaluate possible reasons for this
failure. Use the RPCINFO command to test for complete failure of
PORTMAP.

System Action: None.

Source File: NFSMAIN C

Procedure Name: main

Can't open debug file

Severity: Error.

Explanation: The DEBUG, and/or the GENLOG runtime options
are selected. The VMNFS LOG file open failed.

User or Operator Response: Correct any minidisk access
problems (for example, read-only disk) before continuing.

System Action: None.

Source File: NFSMAIN C

Procedure Name: main

clcvm.c - Fatal header serialization error.

Severity: Fatal.

Explanation: The xdr_callhdr procedure failed while an RPC client
handle was created for a call to Portmap to register the NFS or
MOUNT programs.

User or Operator Response: Examine the header in question,
determine a reason for the failure, and correct the problem before
continuing.

System Action: None.

Source File: NFSCVM C

Procedure Name: clcvm_create

delbb_r: buffer not in use by current task.

Severity: Error.

Explanation: This message is issued by procedure delbb_r when
an attempt to delete the reference by the current task to a disk block
buffer fails, because this buffer is not on the list of buffers referenced
by this task. This is probably because of an error in the VMNFS
program logic.

User or Operator Response: Try to determine the initial failing
case, and report it to the IBM Support Center.

System Action: None.

Source File: GETBB C

Procedure Name: delbb_r

DELFB: File Block not connected to Device Block.

Severity: Error.

Explanation: During an attempt to remove a File Block from the
chain anchored in the Device Block, the File Block was not located.
File Blocks are deleted during erase and rename client requests, and
during a refresh operation.

User or Operator Response: Suspect system problems. Try to
determine the initial failing case, and report it to the IBM Support
Center.

System Action: None.

Source File: RDLABEL C

Procedure Name: DELFB

DELFB: File Block use count is positive, but no task is using it.

Severity: Error.

Explanation: Internal error in the VMNFS program.

User or Operator Response: Try to determine the initial failing
case, and report it to the IBM Support Center.

System Action: None.

Source File: RDLABEL C

Procedure Name: DELFB

DELFB: use count negative.

Severity: Error.

Explanation: The expected File Block use count was zero and a
negative value was found.

User or Operator Response: Try to determine the initial failing
case, and report it to the IBM Support Center.

System Action: None.

NFS Messages

Source File: RDLABEL C

Procedure Name: DELFB

Directory unlock error.

Severity: Error.

Explanation: A call to release a lock on a minidisk was made by a task that does not hold this lock. This is a logic error in the VMNFS program.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: NFSCREAT C

Procedure Name: unlock_directory

Fatal directory error in make_tf.

Severity: Fatal.

Explanation: The system failed to get a pointer to the directory FST by GETBLOK to create a Name Translation File because of a logic error in VMNFS, or a damaged minidisk file system.

User or Operator Response: Try reformatting the CMS minidisk. If problems recur, contact the IBM Support Center.

System Action: None.

Source File: FNTRANS C

Procedure Name: make_tf

Fatal directory error in nfscreate.

Severity: Fatal.

Explanation: The system failed to get a pointer to the directory FST by GETBLOK when processing a client's create-file request because of a logic error in VMNFS, or a damaged minidisk file system.

User or Operator Response: Try reformatting the CMS minidisk. If problems recur, contact the IBM Support Center.

System Action: None.

Source File: NFSCREAT C

Procedure Name: create_file

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fh_check: cannot reconnect.

Severity: Error.

Explanation: A disk had to be relinked in write mode, but the attempt to create a new path to *BLOCKIO for that disk failed.

User or Operator Response: None.

System Action: None.

Source File: FH@HIST C

Procedure Name: fh_check

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fh_check: IUCV sever failure.

Severity: Error.

Explanation: Unexpected return code; probable error in VMNFS program logic.

User or Operator Response: None.

System Action: None.

Source File: FH@HIST C

Procedure Name: fh_check

GETBB: no available blocks

Severity: Error.

Explanation: All disk block buffers are in use. These buffers are managed by VMNFS in a Least-Recently-Used scheme. This message probably indicates a logic error in the code that manages the pool of buffers.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: GETBB C

Procedure Name: GETBB

GETBLOCK: error from FINDBLOK

Severity: Error.

Explanation: A disk block has been read, but the block buffer holding it cannot be located. Error in VMNFS program logic.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: FINDBLOK C

Procedure Name: GETBLOCK

GETBLOCK: error from RWBLOCKS

Severity: Error.

Explanation: Error reading a block from disk. This is the most common symptom that results when the VMNFS server attempts to read information from a disk that has been changed by another CMS virtual machine. It results from the attempt to extract disk block numbers from a pointer block that has been reassigned and now contains file data that are not valid block numbers.

User or Operator Response: None.

System Action: VMNFS is restarted by PROFILE EXEC. This forces all disk information needed to service subsequent client requests to be read again, and should clear the problem until a similar situation occurs.

Source File: FINDBLOK C

Procedure Name: GETBLOCK

GETFBLOK: bad file block number argument.

Severity: Error.

Explanation: An attempt was made to read a block of data from a file that exceeds the number of blocks in the file. If this occurs sporadically, it is probably because of changes made to disks by other virtual machines about which the VMNFS server is unaware. If it occurs in other circumstances, suspect damage to the file system on the disk involved.

User or Operator Response: If the minidisk file system is damaged, reformat the disk. If the problem persists, try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: FINDFILE C

Procedure Name: GETFBLOK

getrem: invalid offset

Severity: Error.

Explanation: VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: GETREM C

Procedure Name: getrem

History File block allocation error.

Severity: Error.

Explanation: In the case of a sparse block in the file, when an attempt is made to allocate a real block, the procedure fails and this error message is issued.

User or Operator Response: Check for a full 191 disk used by VMNFS.

System Action: None.

Source File: FHãHIST C

Procedure Name: findfhr

---

init: error making device block for history file

Severity: Error.

Explanation: The VMNFS server's 191 device is not a normal CMS minidisk.

User or Operator Response: None.

System Action: None.

Source File: INIT C

Procedure Name: init

---

init: IDENTIFY error

Severity: Error.

Explanation: A CMS IDENTIFY command failed (nonzero return code).

User or Operator Response: None.

System Action: None.

Source File: INIT C

Procedure Name: init

---

init: IUCV initialization error.

Severity: Error.

Explanation: The procedure c_hiucv sends an incorrect return code, which indicates that IUCV initialization failed.

User or Operator Response: None.

System Action: None.

Source File: INIT C

Procedure Name: init

---

init: translation table error

Severity: Error.

Explanation: An attempt to load the special translate table file VMNFS TCPXLBIN, or the standard translate table file STANDARD TCPXLBIN, found that the second or third records in the file did not contain 256 bytes.

User or Operator Response: Correct the translation file before you try again.

System Action: None.

Source File: INIT C

Procedure Name: init

Invalid diskaddr arg to findfhr.

Severity: Error.

Explanation: VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: FHãHIST C

Procedure Name: findfhr

LINKDEV: failure in NFSTISET

Severity: Error.

Explanation: VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: LINKDEV C

Procedure Name: MAKE_DB

---

make_tf: lost file

Severity: Error.

Explanation: An error occurred while trying to create a Name Translation file on a minidisk. This is probably because of a VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: FNTRANS C

Procedure Name: make_tf

---

make_tf: translation file already exists

Severity: Error.

Explanation: VMNFS program logic error.

User or Operator Response: None.

System Action: Try to determine the initial failing case, and report it to the IBM Support Center.

Source File: FNTRANS C

Procedure Name: make_tf

NFS Messages

nfscreate: just-created file cannot be found

Severity: Error.

Explanation: VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: NFSCREAT C

Procedure Name: mkdopres

---

nfslink: detach command failed

Severity: Error.

Explanation: A CP DETACH command failed. The failing command and its return code is displayed just before this error signal.

User or Operator Response: None.

System Action: None.

Source File: NFSLINK

Procedure Name: nfslink

---

nfsrename: missing FST

Severity: Error.

Explanation: Cannot locate the FST for a directory. VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: NFSRENAM C

Procedure Name: nfsrename

| **No storage for TCP client list element**

| **Severity:** Error

| **Explanation:** Error getting storage when accepting new TCP client connection.

| **User or Operator Response:** None.

| **System Action:** VMNFS is restarted automatically which should clear the storage problem.

| **Source File:** NFSUTIL C

| **Procedure Name:** Handle_New_TCP_Client

| **No Task Block for TCP is available**
| **No Task Block for UDP is available**
| **No Task Block is available**

| **Severity:** Error.

| **Explanation:** No task blocks are available. Another client request was received when all tasks were busy processing previous requests. The number of tasks is currently 64.

| **User or Operator Response:** Try to determine whether unusual conditions in VM can be responsible (for example, disks that are not responding promptly to I/O requests, perhaps because they have failed, or are reserved by another system that shares them). If such an explanation cannot be found, report the trouble to the IBM Support Center.

| **System Action:** None.

| **Source File:** NFSMAIN C

| **Procedure Name:** main

QUEUEB: no Device Block.

Severity: Error.

Explanation: VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: GETBB C

Procedure Name: QUEUEB

RDLABEL: invalid disk block size.

Severity: Error.

Explanation: The process that reads the label from a disk fails when it finds an unacceptable block size in the label. Possibly a corrupted disk label, or not a CMS minidisk.

User or Operator Response: Try to determine the disk involved. If CMS can access the disk without problems, report the problem to the IBM Support Center.

System Action: None.

Source File: RDLABEL C

Procedure Name: RDLABEL

---

rdlabel: IUCV sequence error.

Severity: Error.

Explanation: Unexpected status from an IUCV operation to *BLOCKIO.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: RDLABEL C

Procedure Name: open_path

---

refresh: Buffer Block use count not zero.

Severity: Error.

Explanation: Program logic expected the Buffer use count to be zero at this point in the procedure and the count was not zero.

User or Operator Response: If this condition recurs, try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: REQSMSG C

Procedure Name: refresh

| **RELBBs: Buffer Block use count is negative.**

| **Severity:** Error.

| **Explanation:** Processing includes reducing the use count of all Buffer Blocks referenced by the ending task. The use count should not be negative after it is decremented. VMNFS program logic error.

| **User or Operator Response:** Try to determine the initial failing case, and report it to the IBM Support Center.

| **System Action:** None.

| **Source File:** GETBB

| **Procedure Name:** RELBBs

rename: lost temporary file.

Severity: Error.

Explanation: An error occurred during the process of renaming the Name Translation file. A Name Translation file has the CMS file ID ##NFS## #NAMES#. You cannot rename if there are entries in the Name Translation file. If the file is empty, you can delete and rename requests. If the new name for the file is one that requires translation, you must create a new Name Translation file. The original Name Translation file is renamed to a temporary name first, while you create the new Name Translation file. The temporarily named file could not be located when it was time to change its name to correspond with the CMS file name in the new Name Translation file.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: NFSRENAM C

Procedure Name: nfsrename

---

reqmount: error from SVC_REPLY.

Severity: Error.

Explanation: An error in SVC_REPLY occured when trying to send a reply message to an NFS client who made a mount request. VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: REQSTART C

Procedure Name: reply_proc

---

reqstart: no MountInfo structure available.

Severity: Error.

Explanation: An attempt to obtain an unused MountInfo control block failed. The number of these control blocks is defined by the compile-time constant MAX_MNT_INFO in the file nfs.h. MountInfo blocks are created in response to client mountpw requests, and are automatically purged after five minutes, or sooner if a matching mount request is received from the same client. Normally, only a few mountpw requests are outstanding at any moment. This error may be because of unusual operation of an NFS client.

User or Operator Response: If an unusual client condition cannot be discerned as the cause of this problem, report the problem to the IBM Support Center. The log file created when VMNFS is invoked with the G option records all VMNFS server client requests received, and the replies sent to those requests, which can be useful for identifying clients requests.

System Action: When the VMNFS server is restarted by the normal operation of PROFILE EXEC when SIGERROR calls exit(), all pending MountInfo data (from mountpw requests) is forgotten. Clients must repeat their mountpw and related mount requests.

Source File: REQSTART C

Procedure Name: reply_proc

| **rtnname: Error reading VMNFS TRANSLAT.**

| **Severity:** Error.

| **Explanation:** The VMNFS server was unable to read the VMNFS TRANSLAT file.

| **User or Operator Response:** Try to determine the initial failing case, and report it to the IBM Support Center.

| **System Action:** None.

| **Source File:** NFSXLAT C

| **Procedure Name:** name_xlat_locate

| **rtnname: Error using translation table.**

| **Severity:** Error.

| **Explanation:** An error was received on a call to perform ASCII/EBCDIC translation; the default translation table could not be found.

| **User or Operator Response:** Try to determine the initial failing case, and report it to the IBM Support Center.

| **System Action:** None.

| **Source File:** NFSSYMLK C, NFSXDRI C, PCAUTH C, REQSTART C.

| **Procedure Name:** Multiple routines.

| **rtnname: translation table error.**

| **Severity:** Error.

| **Explanation:** There was an error in attempting to initialize the default translation table for the VMNFS server.

| **User or Operator Response:** Make sure that the VMNFS TCPXLBIN or STANDARD TCPXLBIN file is in the correct format, and available on a disk accessed in the VMNFS server machine's search order.

| **System Action:** VMNFS server initialization is terminated.

| **Source File:** NFSXLAT C

| **Procedure Name:** init_xlat

| **rtnname: VMNFS HISTORY/TRANSLAT file error.**

| **Severity:** Error.

| **Explanation:** An attempt to verify and initialize the VMNFS HISTORY and VMNFS TRANSLAT file has failed.

| **User or Operator Response:** Examine the server console for additional error messages.

| **System Action:** None.

| **Source File:** INIT C

| **Procedure Name:** recreate_history_files, init_history.

RWBLOCKS: not read nor write.

Severity: Error.

Explanation: VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: IO1 C

Procedure Name: RWBLOCKS

RWBLOCKS: write operation Buffer Block not found.

Severity: Error.

Explanation: The disk block write routine cannot find a buffer block containing the data to write. VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: IO1 C

Procedure Name: RWBLOCKS

| **Selectex failed**

| **Severity:** Error.

| **Explanation:** This msg follows msg DTCNFS1511E. See the
| information in that msg for the reason for the failure.

| **User or Operator Response:** Try to determine the initial failing
| case, and report it to the IBM Support Center.

| **System Action:** None.

| **Source File:** NFSMAINC C

| **Procedure Name:** main

---

smdetach: lost Device Block.

Severity: Error.

Explanation: VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: REQSMSG C

Procedure Name: smdetach

---

taskend: deferred task not waiting.

Severity: Error.

Explanation: Part of task termination processing is to mark dispatchable any tasks that are waiting for the ending task to complete. A task is recorded as waiting for the ending task to complete, but the waiting task is not in the list of waiting tasks. VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: TASKEND C

Procedure Name: TASKEND

TASKEND: File Block use count is negative.

Severity: Error.

Explanation: Part of task termination processing is to reduce the use count of all File Blocks referenced by the ending task. The use count field of a File Block should not be negative. VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: TASKEND C

Procedure Name: TASKEND

---

tf_client: name too long.

Severity: Error.

Explanation: VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: FNTRANS C

Procedure Name: tr_client

| **ThreadYield counter corrupted- {A | B}**

| **Severity:** Error.

| **Explanation:** An internal error has occurred in the VM NFS
| program.

| **User or Operator Response:** Try to determine the initial failing
| case, and report it to the IBM Support Center.

| **System Action:** None.

| **Source File:** NFSMAINC.C

| **Procedure Name:** MAIN

---

tr_add: name too long.

Severity: Error.

Explanation: VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: FNTRANS C

Procedure Name: tr_add

---

tr_CMS: name too long.

Severity: Error.

Explanation: VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: FNTRANS C

Procedure Name: tr_CMS

---

tr_get_record failed.

Severity: Error.

Explanation: A Name Translation file (CMS fileid ##NFS## #NAMES#) is corrupted. This can be a user error because the file is written on a CMS user's minidisk and nothing prevents a user from modifying it.

User or Operator Response: The summary operation report that follows should help identify the disk that is involved. If the Name Translation file is deleted from the disk, this error does not occur, but the translations are lost. Possibly a backup copy of the Name Translation file can be restored to the minidisk. If not, after the faulty Name Translation file is deleted (by a CMS ERASE command), the NFS client has to examine the files on the CMS disk with the objective of renaming them to the desired client names.

System Action: None.

Source File: FNTRANS C

Procedure Name: tr_get_record

tracev: string too long.

Severity: Error.

Explanation: This message is issued by TRACEV C when an attempt is made to process a character string exceeding 255 characters. VMNFS program logic error.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: TRACEV C

Procedure Name: tracev

write_V: offset computation yields invalid block.

Severity: Error.

Explanation: Either an error in VMNFS server program logic, or a CMS minidisk file system can be corrupted.

User or Operator Response: Try to determine the initial failing case, and report it to the IBM Support Center.

System Action: None.

Source File: NFSWRIT1 C

Procedure Name: write_V

Chapter 7. PING Messages

This chapter contains the PING messages used to monitor the network. For more information, see the *TCP/IP User's Guide* or *TCP/IP Planning and Customization*.

BeginTcplp failed: *ReturnCode*

Severity: Warning.

Explanation: TCP/IP could not begin processing.

System Action: The PING program halts and exits.

User or Operator Response: Inform the system programmer the type of error you encountered.

System Programmer Response: Modify TCP/IP to correct the problem the user encountered.

For information about modifications to TCP/IP, see the *TCP/IP Planning and Customization* book.

Source File: CMPING PASCAL

Procedure Name: Main

Handle failed: *ReturnCode*

Severity: Warning.

Explanation: TCP/IP cannot handle notes.

System Action: The PING program halts and exits.

User or Operator Response: Tell the system programmer the type of error you encountered.

System Programmer Response: Modify TCP/IP to correct the problem the user encountered.

For information about modifications to TCP/IP, see the *TCP/IP Planning and Customization* book.

Source File: CMPING PASCAL

Procedure Name: Main

Host name or address not found.

Severity: Warning.

Explanation: You specified an unknown host name or IP address.

System Action: The PING program halts and exits.

User or Operator Response: Correct the syntax of the host name or IP address specified, and resubmit the PING command.

For information about the syntax of the PING command, see the *TCP/IP User's Guide*.

Source File: CMPING PASCAL

Procedure Name: ParseCommandLine

Length must be between 8 & 8500

Severity: Warning.

Explanation: An invalid LENGTH parameter was specified.

System Action: The PING program halts and exits.

User or Operator Response: Specify a LENGTH parameter between the accepted minimum and maximum values, and resubmit the PING command.

For information about the LENGTH parameter of the PING command, see the *TCP/IP User's Guide*.

Source File: CMPING PASCAL

Procedure Name: ParseCommandLine

Missing number after COUNT option

Severity: Warning.

Explanation: You specified a COUNT parameter without a value.

System Action: The PING program halts and exits.

User or Operator Response: Specify a COUNT parameter value greater than or equal to zero following the COUNT parameter, and resubmit the PING command.

For information about the COUNT parameter of the PING command, see the *TCP/IP User's Guide*.

Source File: CMPING PASCAL

Procedure Name: ParseCommandLine

Missing number after LENGTH option

Severity: Warning.

Explanation: You specified a LENGTH parameter without a value.

System Action: The PING program halts and exits.

User or Operator Response: Specify a LENGTH parameter value between the accepted minimum and maximum values, and resubmit the PING command.

For information about the LENGTH parameter of the PING command, see the *TCP/IP User's Guide*.

Source File: CMPING PASCAL

Procedure Name: ParseCommandLine

Missing number after TIMEOUT option

Severity: Warning.

Explanation: You specified a TIMEOUT parameter without a value.

System Action: The PING program halts and exits.

User or Operator Response: Specify a TIMEOUT parameter value between the accepted minimum and maximum values, and resubmit the PING command.

For information about the TIMEOUT parameter of the PING command, see the *TCP/IP User's Guide*.

Source File: CMPING PASCAL

Procedure Name: ParseCommandLine

MonQuery buffer sizes failed: *ReturnCode*

Severity: Error.

Explanation: The size of the PING request was greater than the maximum size allowed by TCP/IP.

System Action: The PING program halts and exits.

User or Operator Response:

1. Use the LENGTH parameter to specify a smaller length parameter value, and resubmit the PING command.

   For information about the LENGTH parameter of the PING command, see the *TCP/IP User's Guide*.

2. Verify the specified size of the PING request. The maximum PING length is determined by the large envelope size parameter

PING Messages

in TCP/IP. If the size of the failed PING request looks correct, check with your system programmer to verify the large envelope size parameter.

System Programmer Response: Verify the large envelope size parameter of the LARGEEVELOPEPOOLSIZE statement.

For information about the large envelope size parameter in TCP/IP, see the *TCP/IP Planning and Customization* book.

Source File: CMPING PASCAL

Procedure Name: Main

MonQuery buffer sizes returns bad length *MonQueryLen*

Severity: Error.

Explanation: The PING request was too large for TCP/IP to accept.

System Action: The PING program halts and exits.

User or Operator Response:

1. Use the LENGTH parameter to specify a smaller length parameter value, and resubmit the PING command.

   For information about the LENGTH parameter of the PING command, see the *TCP/IP User's Guide*.

2. Verify the specified size of the PING request. The maximum PING length is determined by the large envelope size parameter in TCP/IP. If the size of the failed PING request looks correct, check with your system programmer to verify the large envelope size parameter.

System Programmer Response: Verify the large envelope size parameter of the LARGEEVELOPEPOOLSIZE statement.

For information about the large envelope size parameter in TCP/IP, see the *TCP/IP Planning and Customization*.

Source File: CMPING PASCAL

Procedure Name: Main

Non-numerical argument *BadArgument*

Severity: Warning.

Explanation: You specified a non-numerical argument when a numerical argument was expected.

System Action: The PING program halts and exits.

User or Operator Response: Correct the syntax of the invalid parameter, and resubmit the PING command.

For information about the syntax of the PING command, see the *TCP/IP User's Guide*.

Source File: CMPING PASCAL

Procedure Name: SafeConvert

PING: Extraneous parameter *BadParameter*

Severity: Warning.

Explanation: You specified an extraneous parameter.

System Action: The PING program halts and exits.

User or Operator Response: Remove the extraneous parameter and resubmit the PING command.

For information about the syntax of the PING command, see the *TCP/IP User's Guide*.

Source File: CMPING PASCAL

Procedure Name: ParseCommandLine

Ping request failed: *ReturnCode*

Severity: Warning.

Explanation: The PING request could not complete. The listed return code explains why the PING request failed. For example, the TIMEOUT parameter expired.

System Action: The PING program halts and exits.

User or Operator Response: Examine the return code, correct the cause of the problem, and resubmit the PING command. If the problem continues, contact your system programmer.

For information about the possible reasons for a PING request failure, see the *TCP/IP User's Guide*.

System Programmer Response: Modify TCP/IP to correct the problem the user encountered.

For information about modifications to TCP/IP, see the *TCP/IP Planning and Customization* book.

Source File: CMPING PASCAL

Procedure Name: Main

PING: Unknown host *HostName*

Severity: Warning.

Explanation: The host name specified was not in the host address cross-reference table.

System Action: The PING program halts and exits.

User or Operator Response:

1. Correct the syntax of the host name and resubmit the PING command.

   For information about the syntax of the PING command, see the *TCP/IP User's Guide*.

2. Verify that the specified host name is valid. If the host name looks correct, check with your system programmer to verify the host address cross-reference table.

System Programmer Response: Verify the host address cross-reference table.

For information about the host address cross-reference table in TCP/IP, see the *TCP/IP Planning and Customization*.

Source File: CMPING PASCAL

Procedure Name: Main

PING: Unknown option *BadOption*

Severity: Warning.

Explanation: You specified an unknown option.

System Action: The PING program halts and exits.

User or Operator Response: Remove the unknown option, and resubmit the PING command.

For information about the syntax of the PING command, see the *TCP/IP User's Guide*.

Source File: CMPING PASCAL

Procedure Name: ParseCommandLine

Timeout must be between *MINpingTIMEOUT* **&** *MAXpingTIMEOUT*

Severity: Warning.

Explanation: You specified an invalid TIMEOUT parameter.

System Action: The PING program halts and exits.

User or Operator Response: Specify a TIMEOUT parameter between the accepted minimum and maximum values, and resubmit the PING command.

For information about the TIMEOUT parameter of the PING command, see the *TCP/IP User's Guide*.

Source File: CMPING PASCAL

Procedure Name: ParseCommandLine

PING Messages

Chapter 8. PORTMAP Messages

This chapter contains PORTMAP messages. Procedure names are shown in each message section. For PORTMAP problems, see the *TCP/IP Programmer's Reference* for RPCINFO, PING, and NETSTAT.

See the RPC parameters to determine the requirements for the parameters. Also check:

- System console (verify that PORTMAP and TCPIP are running)
- Sufficient memory availability.

Note: The parameter list may be important for determining incorrect or missing information.

---

couldn't do tcp_create

Severity: Fatal.

Explanation: PORTMAP encountered an error creating a TCP socket; the program exits.

System Action: The program exits.

User or Operator Response: Check for memory availability. Check that the tcpip machine is running. Restart.

Source File: portmap c

Procedure Name: main()   svctcp_create()

---

couldn't do udp_create *ReturnCode*

Severity: Fatal.

Explanation: Portmap encountered an error establishing a UDP socket. The program exits.

System Action: The program exits.

User or Operator Response: Check for memory availability. Check that the tcpip machine is running. Restart.

Source File: portmap c

Procedure Name: main()   svcudp_create()

---

portmap cannot bind *ReturnCode*

Severity: Fatal.

Explanation: Portmap encountered an error binding a name to a socket. The program exits.

System Action: The program exits.

User or Operator Response: Check the name that is binding. Check memory availability. Ping the binding system. Check if same net family. Check the port number.

Source File: portmap c

Procedure Name: main()   bind()

---

portmap cannot bind *ReturnCode*

Severity: Fatal.

Explanation: Portmap encountered an error binding a socket to a name. The program exits.

System Action: The program exits.

User or Operator Response: Check the name that is binding. Check memory availability. Ping the binding system. Check if same net family. Check the port number.

Source File: portmap c

Procedure Name: main()   bind()

---

portmap cannot create socket *ReturnCode*

Severity: Fatal.

Explanation: Portmap encountered an error creating a socket. The program exits.

System Action: The program exits.

User or Operator Response: Check memory availability. Check that tcpip is running.

Source File: portmap c

Procedure Name: main()   socket()

---

portmap: started

Severity: Informational.

Explanation: Portmap execution has begun.

System Action: The program continues.

User or Operator Response: None.

Source File: portmap c

Procedure Name: main()   reg_portmapper()

---

run_svc returned unexpectedly

Severity: Fatal.

Explanation: Portmap service execution unexpectedly terminated; portmap aborts. The program should never reach this message. svc_run normally waits on a select() call.

System Action: The program aborts.

User or Operator Response: Restart portmap. Analyze responses to the portmap from the network.

Source File: portmap c

Procedure Name: main()   svc_run()

---

stderr, svc_sendreply

Severity: Fatal.

Explanation: An error occurred while sending the reply back to the client. Portmap aborts. The message prints out only during debugging (-d/-D option parameter).

System Action: None.

User or Operator Response: None.

Source File: portmap c

Procedure Name: reg_srv()   svc_sendreply()

PORTMAP Messages

Chapter 9. Remote Printing Messages

This chapter contains remote printing messages.

LPD Messages

This section contains LPD messages.

Abort failed *ReturnCode***.**

Severity: Error.

Explanation: An attempt to abort a TCP connection failed.

User or Operator Response: Wait for the connection to time out and try again.

System Action: None.

Source File: LPD PASCAL

Procedure Name: DoNewConnState

Attempted SMSG from *userid* **ignored.**

Severity: Warning.

Explanation: You are not authorized to send a message to LPD. The command you sent is ignored.

User or Operator Response: Request authorization from the system programmer.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ProcessSMSG

BeginTcpip: *ReturnCode*

Severity: Error.

Explanation: An error occurred connecting to TCP/IP services.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check to see that TCPIP services are running.

System Action: None.

Source File: LPD PASCAL

Procedure Name: PrepareTCP

| **Call to DTCXLATE failed with reason code:** *reasoncode*

| **Severity:** Error.

| **Explanation:** The DTCXLATE routine used to read TCP/IP
| translation tables failed with the indicated reason code. This
| condition indicates an internal error has occurred; the listed reason
| code corresponds to the positional parameter that caused this error.

| **User or Operator Response:** Inform the system administrator of
| this problem.

| **System Programmer Response:** Inform the IBM support center of
| this problem.

| **System Action:** LPD server processing terminates.

| **Source File:** LPD PASCAL

| **Procedure Name:** ProcessOptions, PreparePrinters

Cannot find the file *filename filetype filemode***.**

Severity: Warning.

Explanation: You specified a file that does not exist on the disks to which you have access.

User or Operator Response: Reissue the command with the correct file specification.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ProcessOperands

Cannot open *filename filetype***.**

Severity: Error.

Explanation: The indicated configuration file could not be opened.

User or Operator Response: Check the access restrictions on the specified file.

System Action: The program halts.

Source File: LPD PASCAL

Procedure Name: PreparePrinters

Cannot reach *host*

Severity: Warning.

Explanation: The host you specified could not be reached. This host is specified as the remote host on the REMOTE statement in the configuration file.

User or Operator Response: Confirm that the configuration file entry is correct and determine the reason the host could not be reached. Correct the configuration file, if necessary, and reissue the command.

System Action: None.

Source File: LPD PASCAL

Procedure Name: GetHostResol

Cannot use mode *mode* **as spool for** *printer*

Severity: Warning.

Explanation: The indicated disk mode could not be used as a spool disk for the specified printer.

User or Operator Response: Use the default disk.

System Programmer Response: Check to see that LPSERVE is accessing its A disk in read-write mode.

System Action: None.

Source File: LPD PASCAL

Procedure Name: CompletePrinters

CMSPPRT: DoSioWat failed. CSW = *Keys CCWAdr UnitStat ChanStat Bytes*

Severity: Error.

Explanation: A DoSioWat call failed in CMSPPRT.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Restart the LPSERVE machine.

System Action: None.

Source File: CMSPPRT PASCAL

Procedure Name: PrintL

Command not understood.

Severity: Error.

Explanation: An invalid command was received by means of SMSG.

User or Operator Response: Check the command and try again.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ProcessSMSG

Connection *connection* **terminated because** *ReturnCode*

Severity: Error.

Explanation: LPD terminated this connection for the indicated reason.

User or Operator Response: Check the indicated reason and take the appropriate action.

System Action: None.

Source File: LPD PASCAL

Procedure Name: DoEndConnection

| **Content of file** *tablename* **TCPXLBIN {specified for service**
| *servicename*} **is not valid**

| **Severity:** Error.

| **Explanation:** The content of the file listed in the message was not
| as expected; thus, no data translation can be performed using this
| file. If a service name is listed, this condition was detected for the
| table defined for that service in the LPD configuration file; otherwise,
| this error is associated with a default translation table. The file in
| question may not have been properly created or may have been
| altered or corrupted through some means.

| **User or Operator Response:** Verify the correct translate table file
| name has been specified. If this is the case, see *TCP/IP Planning*
| *and Customization* for information about using and creating
| translation tables, to determine why this file cannot be used. Correct
| any problems, then reinitialize the LPD server.

| **System Action:** LPD server processing terminates.

| **Source File:** LPD PASCAL

| **Procedure Name:** ProcessOptions, PreparePrinters

Could not define *address* **as a punch**

Severity: Error.

Explanation: A CP DEFINE command failed for the indicated device.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Verify the punch address.

System Action: None.

Source File: LPD PASCAL

Procedure Name: DefineCPDevice

Could not define device for job. Unknown type *type* **treated as "NONE."**

Severity: Warning.

Explanation: LPD could not find a device specification. The device type was treated as NONE. Known types are PRINTER, PUNCH, and NONE.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Verify the SERVICES statement in LPD CONFIG file on the LPSERVE's A disk.

System Action: None.

Source File: LPD PASCAL

Procedure Name: GetJobDevice

Could not define *printer* **at** *vaddr*. **Return code was** *ReturnCode*

Severity: Error.

Explanation: A CP DEFINE failed for the indicated printer address.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Verify the printer address.

System Action: None.

Source File: LPD PASCAL

Procedure Name: DefineCPDevice

Could not DETACH PUNCH *address*. **Return code was** *ReturnCode*

Severity: Error.

Explanation: A CP DETACH command failed for the indicated punch device.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check the punch status.

System Action: None.

Source File: LPD PASCAL

Procedure Name: SendFailingMail

Could not do IDENTIFY. RC = *ReturnCode*

Severity: Error.

Explanation: An attempt to determine the local node's name failed. This is a necessary step to prepare the printers.

User or Operator Response: Verify the printer name.

System Action: The program exits.

Source File: LPD PASCAL

Procedure Name: PreparePrinters

Could not erase *name type mode*. **RC =** *ReturnCode*

Severity: Warning.

Explanation: The program could not erase the indicated file.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check the access information of LPSERVE's A disk.

System Action: None.

Source File: LPD PASCAL

Procedure Name: EraseFile

Could not open control file *site* **CF***job printer*. **Job abandoned.**

Severity: Error.

Explanation: The indicated control file could not be opened.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check to see if the LPR client is sending a corrupted control file to the server.

System Action: The job aborts.

Source File: LPD PASCAL

Procedure Name: ProcessControlFile

Could not open data file *site ftype*. **Job abandoned.**

Severity: Error.

Explanation: The indicated file could not be opened.

User or Operator Response: Retry the LPR command. The data file sent to the LPSERVE machine failed because it was corrupted. If the error condition continues, tell the system programmer about the problem.

System Action: The job is terminated.

Source File: LPD PASCAL

Procedure Name: DoSendStep

Could not open "*name* **QUEUE."**

Severity: Error.

Explanation: The indicated printer queue file could not be opened.

User or Operator Response: Wait until the file is printed.

System Action: None.

Source File: LPD PASCAL

Procedure Name: SavePrinterQueue

Could not open "*name* **SITE."**

Severity: Warning.

Explanation: The indicated SITE file could not be opened.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Ensure that the IP address is in the indicated file so that LPD can open the file.

System Action: None.

Source File: LPD PASCAL

Procedure Name: LoadSite

Could not open *site* **JF***Job*.

Severity: Error.

Explanation: The program could not open the indicated file.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Ensure that the IP address is in the indicated file so that LPD can open the file.

System Action: None.

Source File: LPD PASCAL

Procedure Name: LoadSite

Could not retrieve SMSG

Severity: Warning.

Explanation: An attempt to read the next SMSG failed. The queue may be empty.

User or Operator Response: None.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ProcessSMSG

Could not spool *device address etc*. **Return code was** *ReturnCode*

Severity: Error.

Explanation: A CP spool command failed with the indicated return code.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check the device address for the local pointer.

System Action: None.

Source File: LPD PASCAL

Procedure Name: GetJobDevice

Could not spool PUNCH *address* **to** *smtp*. **Return code was** *ReturnCode*

Severity: Error.

Explanation: This message is sent to you through SMTP mail if you specified *mail* as a FAILEDJOB parameter in the LPD CONFIG file.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check the punch address.

LPD Messages

System Action: None.

Source File: LPD PASCAL

Procedure Name: SendFailingMail

Could not TAG *device address string*. **Return code was** *ReturnCode*. **Response was** *ResponseString*.

Severity: Error.

Explanation: A CP TAG command failed.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check to see that the tag value is correct.

System Action: None.

Source File: LPD PASCAL

Procedure Name: GetJobDevice

CP command failed. RC = *ReturnCode* **Response** *response*

Severity: Error.

Explanation: A CP command, issued as a result of a command received by way of an SMSG, failed.

User or Operator Response: Check the SMSG command sent to LPSERVE.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ProcessSMSG

Disk *mode* **is not accessed or is not writable.**

Severity: Warning.

Explanation: The indicated site disk is not accessed or is not writable by this user ID. The site disk must allow write access to this user.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check to ensure that LPD has write access to its A disk.

System Action: The program halts.

Source File: LPD PASCAL

Procedure Name: PreparePrinters

| **Error** *reasoncode* **reading file** *tablename* **TCPXLBIN {specified for**
| **service** *servicename*}

| **Severity:** Error.

| **Explanation:** An I/O error occurred during an attempt to read the
| named translation table from an accessed disk or directory. The file
| for which this error occurred is either a default translation table or, if
| a service name is listed, the table defined for that service in the LPD
| configuration file.

| **User or Operator Response:** The listed reason code corresponds
| to an FSOPEN or FSREAD return code. Consult the *VM/ESA CMS*
| *Application Development Reference - Assembler* for information
| about this error code and correct any problems. Then, reinitialize the
| LPD server.

| **System Action:** LPD server processing terminates.

| **Source File:** LPD PASCAL

| **Procedure Name:** ProcessOptions, PreparePrinters

Failed to allocate block for *jobnumber* **from** *site*

Severity: Error.

Explanation: A step block, required for remote printing, could not be allocated for this job because of insufficient memory.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Re-IPL the LPSERVE virtual machine. Increase virtual memory for LPSERVE, if necessary.

System Action: None.

Source File: LPD PASCAL

Procedure Name: DoNewSubcommand

Failed to open *site filetype*.

Severity: Error.

Explanation: The indicated file could not be opened.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Re-IPL LPSERVE to clear the last error.

System Action: None.

Source File: LPD PASCAL

Procedure Name: DoNewSubcommand

Failed to write to printer *address*. **RC =** *ReturnCode*

Severity: Error.

Explanation: An error occurred writing to this printer.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check the printer address and status.

System Action: None.

Source File: LPDFLPF PASCAL

Procedure Name: WritePrinter

Failed to write to punch *address*. **RC =** *ReturnCode*

Severity: Error.

Explanation: An error occurred writing to the indicated punch.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check the status of punch service.

System Action: None.

Source File: LPD PASCAL

Procedure Name: PunchLine

IDENTIFY output format different than expected

Severity: Warning.

Explanation: The output of a CMS IDENTIFY command was in an unexpected format.

User or Operator Response: From the CMS command line, type "ID" to obtain sample output. Have this information available when contacting the IBM Support Center.

System Action: The program halts.

Source File: LPD PASCAL

Procedure Name: PreparePrinters

Ignoring job *number* **from site** *site* **because there is no SITE file.**

Severity: Warning.

Explanation: A job was received from a site with no corresponding SITE file.

User or Operator Response: Check the LPR client and try again.

System Action: The job is ignored.

Source File: LPD PASCAL

Procedure Name: LoadPrinterQueue

Ignoring TCP/IP notice *tag* **on connection** *connection*

Severity: Warning.

Explanation: The indicated notification is ignored because of a probable error in the connection.

User or Operator Response: Check the tag information and try again.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ProcessTCP

InitEmulation failed

Severity: Error.

Explanation: An error occurred initializing EC mode emulation, which is necessary to run TCP/IP in a virtual machine with ECMODE OFF.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Investigate the status of EC mode emulation.

System Action: None.

Source File: LPD PASCAL

Procedure Name: PrepareTCP

Job is in unrecognized state (*state***).**

Severity: Warning.

Explanation: A job is in an unrecognized state.

User or Operator Response: Check the network status and tell the system programmer about the problem.

System Programmer Response: Re-IPL the LPSERVE machine.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ProcessWork

Job *job* **abandoned. Job file too short.**

Severity: Error.

Explanation: The indicated job was abandoned because the job file did not contain enough information. The printer name, site name, or length fields could not be read.

User or Operator Response: Check the network status and try again.

System Action: None.

Source File: LPD PASCAL

Procedure Name: LoadJob

Job *job* **abandoned. Not enough storage.**

Severity: Error.

Explanation: The program could not allocate storage to process another job.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: If the file is large and if the LPSERVE is used as a spool, increase the disk capacity for LPSERVE.

System Action: None.

Source File: LPD PASCAL

Procedure Name: LoadJob

Out of storage for connections

Severity: Error.

Explanation: A connection record could not be built because sufficient memory was not available.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: If this condition frequently occurs, allocate more virtual memory for this virtual machine.

System Action: None.

Source File: LPD PASCAL

Procedure Name: AllocConnection

Program error: Invalid option (*option***)**

Severity: Error.

Explanation: You specified an invalid option.

User or Operator Response: Reissue the command with the correct option.

System Action: None.

Source File: LPD PASCAL

Procedure Name: PreparePrinters, ProcessOptions

Site file "*name* **SITE" record 1 unreadable.**

Severity: Warning.

Explanation: The first record in the indicated SITE file is unreadable

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Ensure that the IP address is in the indicated file.

LPD Messages

System Action: None.

Source File: LPD PASCAL

Procedure Name: LoadSite

Site file "*SName* SITE" record 2 unreadable.

Severity: Warning.

Explanation: The second record in the indicated SITE file is unreadable.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Ensure that the IP address is in the indicated file. None.

Source File: LPD PASCAL

Procedure Name: LoadSite

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spooltype **kind is unknown (***type***).**

Severity: Error.

Explanation: A printer specification contained an unknown spool type. RSCS did not recognize the printer.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check the printer ID.

System Action: None.

Source File: LPD PASCAL

Procedure Name: GetJobDevice

The keyword *word* is ambiguous. Use a longer abbreviation.

Severity: Warning.

Explanation: The indicated configuration file keyword abbreviation is ambiguous.

User or Operator Response: Replace this configuration file entry with a longer abbreviation and reissue the command.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ProcessOptions

The keyword *word* is not a keyword.

Severity: Warning.

Explanation: The indicated configuration file keyword is not valid.

User or Operator Response: Correct the configuration file and reissue the command.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ConfigService

The keyword *word* is too short. Use a longer abbreviation.

Severity: Warning.

Explanation: The indicated configuration file keyword abbreviation is ambiguous.

User or Operator Response: Replace the indicated configuration file keyword with a longer abbreviation of the keyword and reissue the command.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ConfigService

The keyword *word* was not recognized.

Severity: Error.

Explanation: The indicated configuration file keyword is not valid.

User or Operator Response: Correct the configuration file entry and reissue the command.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ConfigService

The option *option* is ambiguous. Use a longer abbreviation.

Severity: Warning.

Explanation: The abbreviation specified for this command-line option is ambiguous.

User or Operator Response: Reissue the command with a longer abbreviation for the intended option.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ConfigService

The option *option* was not recognized. Use the TRACE, TYPE or VERSION options as needed.

Severity: Error.

Explanation: An invalid option was specified on the command line. The message lists the valid options.

User or Operator Response: Reissue the command with valid option specifications.

System Action: None.

Source File: LPD PASCAL

Procedure Name: ProcessOptions

The service *name* has been described more than once.

Severity: Warning.

Explanation: A SERVICE statement specified the same printer name as one already specified in the configuration file.

User or Operator Response: Remove the duplicate statement and any associated statements, such as LOCAL, RSCS, or REMOTE, and reissue the command.

System Action: None.

Source File: LPD PASCAL

Procedure Name: PreparePrinters

| **Translation file *tablename* TCPXLBIN {for service *servicename*} not found**

| **Severity:** Error.

| **Explanation:** The named translation table was not located on any currently accessed minidisk. If a service name is listed, this condition was detected for the table defined for that service in the LPD configuration file; otherwise, the listed file is a default translation table.

| **User or Operator Response:** Verify the correct translate table file name has been specified, and that this file is present in the LPD

| server machine CMS search order. Correct any problems, then
| reinitialize the LPD server.

| **System Action:** LPD server processing terminates.

| **Source File:** LPD PASCAL

| **Procedure Name:** ProcessOptions, PreparePrinters

Use a class of A to Z, 0 to 9.

Severity: Error.

Explanation: The class was not valid.

User or Operator Response: Confirm that the configuration file entry is correct. Only capital A through Z or 0 through 9 can be used.

System Action: The program halts.

LPQ Messages

This section contains LPQ messages.

Both the printer and the host name are not known.

Severity: Error.

Explanation: The program could determine neither the printer name nor the host name.

User or Operator Response: Check the host name and printer name before you reissue the command.

System Action: None.

Source File: LPQ PASCAL

Procedure Name: ProcessOptions

Cannot get a printer name.

Severity: Error.

Explanation: The program could not find the printer name on the command line or in the GLOBALV file.

User or Operator Response: Specify the printer name on the command line, or use LPRSET to set up the default printer name.

System Action: None.

Source File: LPQ PASCAL

Procedure Name: ProcessOptions

Cannot get the printer host.

Severity: Error.

Explanation: The default host name could not be read from the GLOBALV file.

User or Operator Response: Specify the host name on the command line, or use LPRSET to set up the default host name.

System Action: None.

Source File: LPQ PASCAL

Procedure Name: ProcessOptions

Program error: Invalid option (option**)**

Severity: Error.

Explanation: You specified an invalid option on the command line.

User or Operator Response: Reissue the command with valid options.

System Action: None.

Source File: LPQ PASCAL

Procedure Name: ProcessOptions

The host name is not known.

Severity: Error.

Explanation: The program could not determine the host name.

User or Operator Response: Use the valid host name with the command. A valid host name is one that can be resolved by the program.

System Action: None.

Source File: LPQ PASCAL

Procedure Name: ProcessOptions

The option option **was not recognized. Use the ALL, HOST, PRINTER, TRACE, TYPE or VERSION options as needed.**

Severity: Error.

Explanation: You specified an invalid option on the command line. Valid options are listed.

User or Operator Response: Reissue the command with valid options.

System Action: None.

Source File: LPQ PASCAL

Procedure Name: ProcessOptions

The printer name is not known.

Severity: Error.

Explanation: The program could not determine the printer name.

User or Operator Response: Check the printer name at the server machine and reissue the command with a valid printer name.

System Action: None.

Source File: LPQ PASCAL

Procedure Name: ProcessOptions

LPR and LPRSET Messages

This section contains messages issued by LPR and LPRSET.

LPR and LPRSET Messages

| **0000** | **TCP/IP installation error: DTCUME TEXT not found** |

Severity: Error

Explanation: The TCP/IP message repository file (DTCUME TEXT) is required so messages can be issued by this program, but this file was not found in the CMS search order.

User or Operator Response: Ensure the TCP/IP "Client" code minidisk (TCPMAINT 592, by default) is linked and accessed before the program that issued this message is invoked again. If this problem persists, inform the system administrator.

System Programmer Response: This error indicates an incorrect or incomplete product installation. Ensure the listed file is present on the TCP/IP "Client" code minidisk. If such a file is present, it is possible that this disk contains an older version (level) of TCP/IP.

System Action: Command execution stops.

Source File: LPR, LPRSET EXEC

| **2001** | **File mode '**fm**' is not valid; accepted values are: A-Z.** |
| | **The default file mode (**fm-default**) will be used** |

Severity: Warning.

Explanation: The indicated file mode is not alphabetic; that is, not within the character range of A through Z.

System Action: Command execution continues, with the listed default used in place of the provided file mode.

User or Operator Response: None.

Source File: LPR EXEC

| **2002** | **File mode number '**nn**' is not valid; accepted values are: 0-6.** |
| | **The default file mode (**fm-default**) will be used** |

Severity: Warning.

Explanation: The indicated file mode number is not numeric; that is, not within the range of 0 through 6.

System Action: Command execution continues, with the listed default used in place of the provided file mode.

User or Operator Response: None.

Source File: LPR EXEC

| **2003** | **Ignoring additional file identifier information:** |
| | *aaaaaaaa* |

Severity: Warning.

Explanation: More file identifier information was provided than was expected; this extra information has been ignored. The provided file name, file mode and file type continue to be used for processing.

System Action: Command execution continues.

User or Operator Response: None.

Source File: LPR EXEC

| **2004** | **File '**fn ft fm**' was not found** |

Severity: Error.

Explanation: The listed file was not found at the indicated file mode.

System Action: Command execution stops.

User or Operator Response: Verify all file identifier information has been correctly specified. Also, ensure the disk or directory on which the file resides is accessed.

Source File: LPR EXEC

| **2005** | **No file has been identified for printing** |

Severity: Error.

Explanation: The LPR command was invoked with print-specific options, but information that identifies a file to be printed has been omitted.

System Action: Command execution stops.

User or Operator Response: Provide the file name, file type and (optionally) the file mode of the file to be printed when this command is issued.

Source File: LPR EXEC

| **2006** | **A file type must be provided for file:** *filename* |

Severity: Error.

Explanation: The LPR command was invoked without sufficient information to identify the file to be printed; only the indicated file name was provided.

System Action: Command execution stops.

User or Operator Response: Provide the file name, file type and (optionally) the file mode of the file to be printed when this command is issued.

Source File: LPR EXEC

| **2007** | **File identifier '**fileid**' is not valid** |

Severity: Error.

Explanation: The provided file information does not comprise a valid CMS file identifier.

System Action: Command execution stops.

User or Operator Response: Verify all file identifier information has been correctly specified.

Source File: LPR EXEC

| **2008** | **Use the form:** *command* **filename filetype (filemode)** |

Severity: Error.

Explanation: The indicated command (LPR) was invoked with a question mark (?) instead of conventional file identifier information. In response, the minimal usage information indicated is displayed.

System Action: Command execution stops.

User or Operator Response: None.

Source File: LPR EXEC

| **2009** | **The** *option1* **option can be used only if the** *option2* **option is also used.** |

Severity: Error.

Explanation: The first option listed (*option1*) cannot be used unless the second option (*option2*) has already been specified as part of the command. This dependency usually applies to the NICKNAME and TAG options, but may apply to other command options.

User or Operator Response: Review the descriptions of both options (*option1* and *option2*) identified by this message, then retry the command with the correct option combination.

System Action: Command execution stops.

Source File: LPR, LPRSET EXEC

2010   The *option* **option value (***value***) is not {valid | a valid number}.**

Severity: Error.

Explanation: The value specified for the indicated option was determined to not be correct. Depending on the option listed, the provided value may:

- be too long, or too short.
- contain inappropriate characters.
- be required to be a numeric value, possibly a whole number.

User or Operator Response: Review the description of the listed option to determine why the current value was not accepted, then retry the command with an appropriate value specified.

System Action: Command execution stops.

Source File: LPR, LPRSET EXEC

2011   **The** *option1* **and** *option2* **options are mutually exclusive.**

Severity: Error.

Explanation: The two options listed (*option1* and *option2*) cannot be used together.

User or Operator Response: Specify only one of the listed options when this command is issued. If necessary, review the description of both options to determine which option should be used.

System Action: Command execution stops.

Source File: LPR, LPRSET EXEC

2012   **Option** *option* **is not recognized or is not valid.**

Severity: Error.

Explanation: The option listed is not supported by this command.

User or Operator Response: Verify the option was specified correctly and has not been misspelled. If necessary, review the command description to determine whether the listed option can be used with this command.

System Action: Command execution stops.

Source File: LPR, LPRSET EXEC

2013   **An RSCS link or node parameter has been incorrectly specified. Specify link and node parameters using one of the following formats:**
     linkid,nodeid
     linkid@nodeid
     linkid AT nodeid

Severity: Error.

Explanation: The link and node values supplied with the RSCS option are not valid, or have not been correctly specified.

User or Operator Response: Verify both the RSCS link and node values were provided, and that these were specified using one of the formats listed in the message.

System Action: Command execution stops.

Source File: LPR, LPRSET EXEC

2014   **Error reading file:** *file*
     Return code: *rc*

Severity: Error.

Explanation: An error occurred while attempting to read the specified file.

System Action: Command execution stops.

User or Operator Response: Verify access to the listed file, and that the file can be read. If necessary, see the *VM/ESA: CMS Pipelines Reference* for more information about the '<' PIPE stage return code.

Source File: LPR EXEC

2015   **An error occurred while processing {RSCS header | '***file***' data} records**

Severity: Error.

Explanation: An error occurred while attempting to write the records of the indicated type to a virtual printer or virtual punch device.

System Action: Command execution stops.

User or Operator Response: The most probable cause for this error is a CMS PIPE command error. To obtain more information, reissue the command and include the TRACE option.

Source File: LPR EXEC

2016   **Unable to define a** *devicetype* **device within address range** *vdev1***-***vdev2*

Severity: Error.

Explanation: All virtual addresses within the indicated range are in use. Therefore, the indicated virtual device could not be defined.

System Action: Command execution stops.

User or Operator Response: Review the usage of the addresses within the indicated range, then make available at least one of these virtual addresses.

Source File: LPR EXEC

2017   **Server** *serverid* **is not defined in the CP directory**

Severity: Error.

Explanation: While attempting to establish appropriate settings to process your print request, the listed server was found to not be valid for this system.

System Action: Command execution stops.

User or Operator Response: Verify the listed user ID was correctly:

- specified with the SERVER option,
- defined in a CMS NAMES file, or
- set using the LPRSET command.

If necessary, contact the system administrator to determine what server should be used to process your request.

Source File: LPR EXEC

LPR and LPRSET Messages

| **2018**   **File '*file*' is too wide to print**

| **Severity:** Error.

| **Explanation:** The indicated file has a logical record length (LRECL)
| greater than 1280. For this file, RSCS cannot process records
| longer than 1280 bytes.

| **System Action:** Command execution stops.

| **User or Operator Response:** Verify the record length of the listed
| file is required for the data that it contains. If possible, alter the
| record length using appropriate CMS or XEDIT commands, and retry
| the command. If the record length for this file cannot be changed to
| 1280 or less, it cannot be printed using RSCS.

| **Source File:** LPR EXEC

2019   **Matching string delimiter (*delim-char*) not found.**

Severity: Error.

Explanation: A value was specified that begins with a recognized
delimiter — usually a single (') or double (") quote — but a second,
or closing, delimiter was not present in the operands provided.

User or Operator Response: Properly delimit the value in question
by including a closing delimiter, or omit the initial delimiter (if it is not
required) when this command is issued.

System Action: Command execution stops.

Source File: LPR, LPRSET EXEC

2020   **The *option* option cannot be used for
{asynchronous | synchronous} processing.**

Severity: Error.

Explanation: The listed option was specified, but its use is not
supported for the indicated type, or mode, of processing.

User or Operator Response: Review the options specified for this
command and verify they are all applicable to the current processing
mode, and that the processing mode is itself correct. If necessary,
review the command and option descriptions to identify suitable
options for this processing mode, or for information about changing
modes.

System Action: Command execution stops.

Source File: LPR, LPRSET EXEC

2021   **The *option* option has been incorrectly specified.**

Severity: Error.

Explanation: The listed option has been recognized, but cannot be
used, possibly due to a dependency on one or more other options.

User or Operator Response: Review the description for this option
to determine the conditions for its use, then correct any problems
and retry the command.

System Action: Command execution stops.

Source File: LPR, LPRSET EXEC

2022   **No printer has been identified to process file: *file***

Severity: Error.

Explanation: The listed file cannot be processed because a printer
has not been specified on which the file is to be printed.

User or Operator Response: Specify a printer (or print queue
name) using one of the following means:

- Provide a printer name with the PRINTER option when the
  command is issued.

- Define a printer (and host) using a CMS NAMES file entry, then
  specify that nickname with the NICKNAME option when the
  command is issued.
- Define a default printer (and host) by using the LPRSET
  command.

System Action: Command execution stops.

Source File: LPR, LPRSET EXEC

2023   **No host has been identified to process file: *file***

Severity: Error.

Explanation: The listed file cannot be processed because a printer
host has not been specified to which the file should be directed.

User or Operator Response: Specify a printer host name using
one of the following means:

- Provide a host name with the HOST option when the command
  is issued.
- Define a host (and printer) using a CMS NAMES file entry, then
  specify that nickname with the NICKNAME option when the
  command is issued.
- Define a default host (and printer) by using the LPRSET
  command.

System Action: Command execution stops.

Source File: LPR, LPRSET EXEC

2024   **No value was provided with the *option* option.**

Severity: Error.

Explanation: When the indicated option is used, a non-null value
must also be specified; however, no such value was present.

User or Operator Response: Specify an appropriate value in
addition to this option when the command is issued.

System Action: Command execution stops.

Source File: LPR, LPRSET EXEC

| **2025**   **Nickname *name* in file *file* does not define usable
| data**

| **Severity:** Error.

| **Explanation:** An attempt was made to retrieve information defined
| by the listed nickname from the indicated file. However, definitions
| or information relevant to the processing performed by this command
| were not present.

| **System Action:** Command execution stops.

| **User or Operator Response:** Verify the entries associated with this
| nickname are correctly defined in the indicated file, and that the
| nickname itself is correct; then retry the command.

| **Source File:** LPR EXEC

| **2026**   **Tag *tagname* for nickname *name* in file *file* defines a
| value that is not valid**

| **Severity:** Error.

| **Explanation:** The value defined by the indicated tag was
| determined to not be correct. Depending on the tag listed, the
| defined value may:

| - be too long, or too short.
| - contain inappropriate characters.
| - define more data than should be present.
| - be required to be a numeric value, possibly a whole number.

| **System Action:** Command execution stops.

| **User or Operator Response:** Review the description of the listed
| tag to determine why the current value was not accepted, then
| correct the nickname entry in the indicated file and retry the
| command.

| **Source File:** LPR EXEC

| **2027**   **Tag** *tagname* **for nickname** *name* **in file** *file* **does not**
| **define any data**

| **Severity:** Error.

| **Explanation:** An attempt was made to retrieve information defined
| by the listed nickname from the indicated file. However, only the tag
| itself is present.

| **System Action:** Command execution stops.

| **User or Operator Response:** Verify the correct nickname/tag was
| specified, or define an appropriate value using this tag, then retry the
| command.

| **Source File:** LPR EXEC

| **2028**   **Tag** *tagname* **for nickname** *name* **in file** *file* **does not**
| **define a {printer | host}**

| **Severity:** Error.

| **Explanation:** The value defined by the listed tag was determined to
| not be correct; a printer or a host name was expected to be present,
| but no such value exists.

| **System Action:** Command execution stops.

| **User or Operator Response:** Verify the correct nickname/tag was
| specified, or define an appropriate value using this tag, then retry the
| command.

| **Source File:** LPR EXEC

| **2029**   **File '**file**' cannot be processed with the** *command*
| **command**

| **Severity:** Error.

| **Explanation:** The indicated file has a file mode number of "3." If
| an attempt is made to process this file, it will be erased, and will
| cause the LPR command to fail. To prevent this failure and loss of
| the file, the file is not processed.

| **System Action:** Command execution stops.

| **User or Operator Response:** Change the file mode of this file to a
| file mode other than "3" before the LPR command is again issued.

| **Source File:** LPR EXEC

2031   *command* **Level** *level*, **Internal version ID** *version*

Severity: Informational.

Explanation: The indicated information is provided when the
QUERY option has been processed.

User or Operator Response: None.

System Action: Command execution continues.

Source File: LPR, LPRSET EXEC

| **2038**   **The following command failed:**
| *command*
| **Return code:** *rc*

| **Severity:** Error.

| **Explanation:** The indicated CP or CMS command failed with the
| listed return code.

| **User or Operator Response:** Review the appropriate CP or CMS
| documentation to determine why this command failed, and correct
| any problems.

| **System Action:** Command execution stops.

| **Source File:** LPR, LPRSET EXEC

| **2039**   **Internal error in routine:** *routinename*
| **Error information:** *errortext*

| **Severity:** Error.

| **Explanation:** A logic error was detected during command
| processing.

| **User or Operator Response:** Inform the system administrator of
| this problem.

| **System Programmer Response:** Inform the IBM support center of
| this problem.

| **System Action:** Command execution stops.

| **Source File:** LPR, LPRSET EXEC

| **2040**   **Use this form:** *command* **printer host**

| **Severity:** Error.

| **Explanation:** This message is displayed if:

| 1. no operands, or an insufficient number of operands were
| provided at invocation.

| 2. the indicated command (LPRSET) is invoked with a question
| mark (?) instead of conventional printer and host information. In
| response, the minimal usage information indicated is displayed.

| **System Action:** Command execution stops.

| **User or Operator Response:** If this message was produced in
| response to the first condition listed, specify both a printer and host
| name when the command is issued.

| **Source File:** LPRSET EXEC

| **2041**   **Parameters cannot be specified with the** *option*
| **option**

| **Severity:** Error.

| **Explanation:** When the indicated option is used, printer and host
| values cannot be specified.

| **System Action:** Command execution stops.

| **User or Operator Response:** Do not include printer and host
| information when the listed option is used.

| **Source File:** LPRSET EXEC

LPR and LPRSET Messages

| **2042**   **Supported options are:**
| *optionlist*

| **Severity:** Informational.

| **Explanation:** The LPRSET command was invoked with a question
| mark (?) insead of conventional printer and host information. In
| response, minimal usage information is displayed that includes the
| options listed by this message.

| **System Action:** Command execution stops.

| **User or Operator Response:** None.

| **Source File:** LPRSET EXEC

| **2043**   **Suitable arguments or options were not specified**
| **with the** *option* **option**

| **Severity:** Error.

| **Explanation:** The indicated option has been specified, but no
| options or values were provided upon which this option will have an
| effect.

| **System Action:** Command execution stops.

| **User or Operator Response:** Omit the indicated option (if
| appropriate), or include one or more applicable operands when the
| command is issued. If necessary, review the description of this
| command and its options to determine an appropriate combination of
| values and options.

| **Source File:** LPRSET EXEC

| **2044**   **Only the following options can be specified with**
| **the** *option* **option:** *optionlist*

| **Severity:** Error.

| **Explanation:** A conflict exists between one or more specified
| options, one of which is cited in the message. When this option is
| specified, only certain additional options may be used; these have
| also been listed in the message.

| **System Action:** Command execution stops.

| **User or Operator Response:** If necessary, review the option
| descriptions for this command to determine an appropriate
| combination of options.

| **Source File:** LPRSET EXEC

| **2045**   **Ignoring additional destination information:**
| *aaaaaaaa*

| **Severity:** Warning.

| **Explanation:** More print destination information was provided than
| was expected; this extra information has been ignored. The
| provided printer and host values continue to be used for processing.

| **System Action:** Command execution continues.

| **User or Operator Response:** None.

| **Source File:** LPRSET EXEC

| **2050**   **Printer and host values have not been defined**

| **Severity:** Informational.

| **Explanation:** At present, no printer or host defaults are being
| maintained using CMS global variables.

| **User or Operator Response:** None.

| **System Action:** Command execution continues.

| **Source File:** LPRSET EXEC

| **2051**   **Your LPR printer is currently set to:** *printer* **at:** *host*

| **Severity:** Informational.

| **Explanation:** The indicated printer and host values are those being
| maintained using CMS global variables; the current values are listed.

| **System Action:** Command execution continues.

| **User or Operator Response:** None.

| **Source File:** LPRSET EXEC

| **2052**   **Server is defined as:** *serverid* **{(Default)}**

| **Severity:** Informational.

| **Explanation:** The indicated server ID will be used to process
| asynchronous print requests. If a user-specific value has not been
| established through use of a prior LPRSET command, the system
| default is indicated.

| **System Action:** Command execution continues.

| **User or Operator Response:** None.

| **Source File:** LPRSET EXEC

| **2053**   **Printer is connected on link:** *linkid* **{(Default)}**

| **Severity:** Informational.

| **Explanation:** The indicated RSCS link will be used to process
| asynchronous print requests. If a user-specific value has not been
| established through use of a prior LPRSET command, the system
| default is indicated.

| **System Action:** Command execution continues.

| **User or Operator Response:** None.

| **Source File:** LPRSET EXEC

| **2054**   **Printer is connected on node:** *nodeid* **{(Default)}**

| **Severity:** Informational.

| **Explanation:** The indicated RSCS node will be used to process
| asynchronous print requests. If a user-specific value has not been
| established through use of a prior LPRSET command, the system
| default is indicated.

| **System Action:** Command execution continues.

| **User or Operator Response:** None.

| **Source File:** LPRSET EXEC

| **2055**   **LPR mode: {ASYNCHRONOUS | SYNCHRONOUS}**
| **{(Default)}**

| **Severity:** Informational.

| **Explanation:** The indicated processing mode (asynchronous or
| synchronous) will be used to process print requests. If a
| user-specific mode has not been established through use of a prior
| LPRSET command, the system default is indicated.

| **System Action:** Command execution continues.

| **User or Operator Response:** None.

| **Source File:** LPRSET EXEC

| 2056   Nickname: *name*

Severity: Informational.

Explanation: The indicated nickname will be used to obtain printer destination information (and possibly other print-related values) from a CMS NAMES file when print requests are processed.

System Action: Command execution continues.

User or Operator Response: None.

Source File: LPRSET EXEC

| 2057   Nickname Tag: *tagname*

Severity: Informational.

Explanation: The indicated nickname tag will be used to obtain printer and host addressing information from a CMS NAMES file when print requests are processed.

System Action: Command execution continues.

User or Operator Response: None.

Source File: LPRSET EXEC

| 2058   The provided {printer | host} name is not valid

Severity: Error.

Explanation: The printer or host name you provided is not valid. The value may be too long or too short, or may contain inappropriate characters.

System Action: Command execution stops.

User or Operator Response: Review the description for the printer or host name to determine why the current value was not accepted, then retry the command with an appropriate value specified.

Source File: LPRSET EXEC

| **Both the printer and the host name are not known.**

Severity: Error.

Explanation: The program could determine neither the printer name nor the host name.

System Action: None.

User or Operator Response: Check the host name and the printer name and reissue the command.

Source File: LPRP PASCAL

Procedure Name: ProcessOptions

| **Call to DTCXLATE failed with reason code:** *reasoncode*

Severity: Error.

Explanation: The DTCXLATE routine used to read TCP/IP translation tables failed with the indicated reason code. This condition indicates an internal error has occurred; the listed reason code corresponds to the positional parameter that caused this error.

System Action: Command execution stops.

User or Operator Response: Inform the system administrator of this problem.

System Programmer Response: Inform the IBM support center of this problem.

Source File: LPRP PASCAL

Procedure Name: GetTranslateTables

Cannot find the file *filename filetype filemode***.**

Severity: Warning.

Explanation: The file specified on the command line does not exist.

System Action: None.

User or Operator Response: Specify the correct file name with the command.

Source File: LPRP PASCAL

Procedure Name: ProcessOptions

Cannot get a printer name.

Severity: Error.

Explanation: The program could not find the printer name in the GLOBALV file.

System Action: None.

User or Operator Response: Specify the printer name on the command line, or use LPRSET to set up the default printer.

Source File: LPRP PASCAL

Procedure Name: ProcessOptions

Cannot get the printer host.

Severity: Error.

Explanation: The host name could not be read from the GLOBALV file.

System Action: None.

User or Operator Response: Specify the host name on the command line, or use LPRSET to set up the default host name.

Source File: LPRP PASCAL

Procedure Name: ProcessOptions

| **Content of file** *tablename* **TCPXLBIN is not valid**

Severity: Error.

Explanation: The content of the file listed in the message was not as expected; thus, no data translation can be performed using this file. The file in question may not have been properly created or may have been altered or corrupted through some means.

System Action: Command execution stops.

User or Operator Response: Verify the correct translate table file name has been specified. If this is the case, see *TCP/IP Planning and Customization* for information about using and creating translation tables, to determine why this file cannot be used. Correct any problems, then retry the command.

Source File: LPRP PASCAL

| **Procedure Name:** GetTranslateTables

| **Error** *reasoncode* **reading file** *tablename* **TCPXLBIN.**

| **Severity:** Error.

| **Explanation:** An I/O error occurred during an attempt to read the named translation table from an accessed disk or directory.

| **System Action:** Command execution stops.

| **User or Operator Response:** The listed reason code corresponds to an FSOPEN or FSREAD return code. Consult the *VM/ESA CMS Application Development Reference - Assembler* for information about this error code and correct any problems. Then, retry the command.

| **Source File:** LPRP PASCAL

| **Procedure Name:** GetTranslateTables

Host *host* **did not accept printer name** *printer***.**

Severity: Warning.

Explanation: The indicated host did not recognize the indicated printer.

System Action: None.

User or Operator Response: Check for the correct printer name at the foreign host and specify it with the command.

Source File: LPRP PASCAL

Procedure Name: Main

| **Translation file** *tablename* **TCPXLBIN not found**

| **Severity:** Error.

| **Explanation:** The named translation table was not located on any
| currently accessed minidisk.

| **System Action:** Command execution stops.

| **User or Operator Response:** Verify the correct translate table file
| name has been specified, and that this file is present in the CMS
| search order. Correct any problems, then retry the command.

| **Source File:** LPRP PASCAL

| **Procedure Name:** GetTranslateTables

| **Translation file** *tablename* **TCPXLBIN not found**

| **Severity:** Error.

| **Explanation:** The named translation table was not located on any
| currently accessed minidisk.

| **System Action:** None.

| **User or Operator Response:** Verify the correct translate table file
| name has been specified, and that this file is present in the CMS
| search order. Correct any problems, then retry the command.

| **Source File:** LPR EXEC

| **Procedure Name:** OptionCheck

Use either the NOPOSTSCRIPT or POSTSCRIPT option but not both.

Severity: Warning.

Explanation: You selected both the NOPOSTSCRIPT and POSTSCRIPT options. You can select only one of these options.

System Action: None.

User or Operator Response: Correct the command line and reissue the command.

Source File: LPRP PASCAL

Procedure Name: ProcessOptions

Use either the POSTSCRIPT or LANDSCAPE option but not both.

Severity: Warning.

Explanation: You selected both the POSTSCRIPT and LANDSCAPE options. You can select only one of these options.

System Action: None.

User or Operator Response: Correct the command line and reissue the command.

Source File: LPRP PASCAL

Procedure Name: ProcessOptions

LPRM Messages

This section contains LPRM messages.

Both the printer and the host name are not known.

Severity: Error.

Explanation: The program could not determine the printer name or host name.

User or Operator Response: Check the host name and printer name before you reissue the command.

System Action: None.

Source File: LPRM PASCAL

Procedure Name: ProcessOptions

Cannot get a printer name.

Severity: Error.

Explanation: The program could not find the printer name on the command line or in the GLOBALV file.

User or Operator Response: Specify the printer name on the command line, or use LPRSET to set up the default printer name.

System Action: None.

Source File: LPRM PASCAL

Procedure Name: ProcessOptions

Cannot get the printer host.

Severity: Error.

Explanation: The default host name could not be read from the GLOBALV file.

User or Operator Response: Specify the host name on the command line, or use LPRSET to set up the default host name.

System Action: None.

Source File: LPRM PASCAL

Procedure Name: ProcessOptions

Program error: Invalid option (*option***)**

Severity: Error.

Explanation: You specified an invalid option on the command line.

User or Operator Response: Reissue the command with valid options.

System Action: None.

Source File: LPRM PASCAL

Procedure Name: ProcessOptions

The host name is not known.

Severity: Error.

Explanation: The program could not determine the host name.

User or Operator Response: Use the valid host name with a command. A valid host name is one that can be resolved by the program.

System Action: None.

Source File: LPRM PASCAL

Procedure Name: ProcessOptions

The option *option* **is ambiguous. Use a longer abbreviation.**

Severity: Warning.

Explanation: The abbreviation you specified for this command-line option is ambiguous.

User or Operator Response: Reissue the command with a longer abbreviation for the intended option.

System Action: None.

Source File: LPRM PASCAL

Procedure Name: ProcessOptions

The option *option* **was not recognized. Use the ALL, HOST, PRINTER, TRACE, TYPE or VERSION options as needed.**

Severity: Error.

Explanation: You specified an invalid option on the command line. Valid options are listed.

User or Operator Response: Reissue the command with valid options.

System Action: None.

Source File: LPRM PASCAL

Procedure Name: ProcessOptions

The printer name is not known.

Severity: Error.

Explanation: The program could not determine the printer name.

User or Operator Response: Check the printer name at the server machine and reissue the command with a valid printer name.

System Action: None.

Source File: LPRM PASCAL

Procedure Name: ProcessOptions

LPRM Messages

Chapter 10. Remote Procedure Call Messages

This chapter contains RPCLIB, RPCINFO, and RPCGEN messages.

RPCLIB Messages

This section contains RPCLIB messages. To resolve RPC problems, do the following:

- Check the system console to ensure that PORTMAP and TCPIP are running.
- Check that sufficient memory is available for tasks. The required heap size varies, but can also be the cause of the problem.

See the *TCP/IP Programmer's Reference* for information about basic RPC procedures and the requirements for RPC parameters. From this reference, you can determine the missing or incorrect information that caused the problem.

Some RPC problems are caused by C language coding problems, including:

- Bad pointers in the user source code. Pointers to invalid addresses can cause a number of different problems, such as protection violations and overwritten storage.
- Pointer misspecification, such as *p, p, &p, in the user source code.
- Overwriting data or program areas, (can be an unterminated string). Strings require a null (X'00' or \0) in the last position.
- Not freeing storage at the end of the job.
- Unending loops that generate storage usage.
- Array subscripts out of bounds.

---

auth_none.c - Fatal marshalling problem *ReturnCode*

Severity: Fatal.

Explanation: RPC encountered an error organizing an authorization structure.

System Action: The program exits.

User or Operator Response: None.

System Programmer Response: Look for memory overwrite, a bad pointer, or missing data. See for information about auth_none() and for tcperror codes. Use the tcperror code to determine the fault and correct the usage.

Source File: auth_uni c

Procedure Name: marshal_new_auth(), xdr_opaque_auth(), xdr_enum()

---

authunix_create: out of memory

Severity: Fatal.

Explanation: RPC could not allocate sufficient memory.

System Action: The program exits.

User or Operator Response: Remove unused programs from memory. Compress memory. Restart the program.

System Programmer Response: Check the free memory requirements for this program.

Source File: auth_uni c

Procedure Name: authunix_create()

---

bad auth_len gid *length* **str** *length* **auth** *length*

Severity: Error.

Explanation: An RPC server received authorization credentials of an invalid length.

System Action: Authorization is denied. The program continues.

User or Operator Response: Check authorization credentials, correct and restart program.

Source File: svc_auun c

Procedure Name: _svcauth_unix()

Broadcast select problem *ReturnCode*

Severity: Fatal.

Explanation: A Portmapper RPC client encountered an error waiting for incoming packets.

System Action: Program ends.

User or Operator Response: Clear and restart PORTMAP. The Portmapper could be receiving bad data from the network.

System Programmer Response: It may be necessary to monitor the network for the return data. See the *TCP/IP Programmer's Reference* for information about tcperror codes. Use the tcperror code to determine the fault and correct the usage.

Source File: pmap_rmt c

Procedure Name: recv_again(), select()

---

broadcast: ioctl (get interface broadcast address)

Severity: Error.

Explanation: A Portmapper RPC client encountered an error obtaining the interface broadcast address.

System Action: The program continues.

User or Operator Response: None.

System Programmer Response: For information about ioctl, see the *TCP/IP Programmer's Reference*.

Source File: pmap_rmt c

Procedure Name: getbroadcastnets(), ioctl()

---

broadcast: ioctl (get interface configuration) *ReturnCode*

Severity: Error.

Explanation: A Portmapper RPC client encountered an error obtaining interface configuration information.

System Action: The procedure returns.

User or Operator Response: None.

System Programmer Response: See the *TCP/IP Programmer's Reference* for information about ioctl SIOCGIFCONF and for tcperror codes. Use the tcperror code to determine the fault and correct the usage.

Source File: pmap_rmt c

Procedure Name: getbroadcastnets(), ioctl()

---

broadcast: ioctl (get interface destination address) *ReturnCode*

Severity: Error.

Explanation: A Portmapper RPC client encountered an error obtaining the interface destination address.

System Action: The program continues.

User or Operator Response: None.

System Programmer Response: See the *TCP/IP Programmer's Reference* for information about ioctl SIOCGIFDSTADDR and for tcperror codes. Use the tcperror code to determine the fault and correct the usage.

Source File: pmap_rmt c

Procedure Name: getbroadcastnets(), ioctl()

---

broadcast: ioctl (get interface flags): *ReturnCode*

Severity: Error.

Explanation: A Portmapper RPC client encountered an error obtaining interface flag settings.

System Action: The program continues.

User or Operator Response: None.

System Programmer Response: See the *TCP/IP Programmer's Reference* for information about ioctl SIOCGIFFLAGS and for tcperror codes. Use the tcperror code to determine the fault and correct the usage.

Source File: pmap_rmt c

Procedure Name: getbroadcastnets(), ioctl()

---

can't reassign procedure number *proc*

Severity: Fatal.

Explanation: An attempt was made to register an invalid procedure number. This procedure number is reserved by RPC to represent the null procedure.

System Action: The request fails.

User or Operator Response: Examine the procedure number, correct, and restart, or tell the system programmer about the problem.

System Programmer Response: Correct the procedure number. The program returns.

Source File: svc_simp c

Procedure Name: registerrpc()

Cannot create socket for broadcast rpc *ReturnCode*

Severity: Fatal.

Explanation: A Portmapper RPC client encountered an error creating a socket for broadcast RPC.

System Action: The program exits.

User or Operator Response: None.

System Programmer Response: Possible causes for this message include all sockets taken and not enough memory. See the *TCP/IP Programmer's Reference* for tcperror codes. Use the tcperror code to determine the fault and correct the usage.

Source File: pmap_rmt c

Procedure Name: clnt_broadcast(), socket()

Cannot receive reply to broadcast

Severity: Fatal.

Explanation: A Portmapper RPC client encountered an error attempting to receive a reply to a broadcast.

System Action: The program returns.

User or Operator Response: None.

System Programmer Response: Check pointers that could give program check. Check errno for a return code.

Source File: pmap_rmt c, cmiucsoc c

Procedure Name: recvfrom(), common_recv() recvfrom(), common_recv()

Cannot send broadcast packet *ReturnCode*

Severity: Fatal.

Explanation: A Portmapper RPC client encountered an error sending a broadcast packet.

System Action: The program exits.

User or Operator Response: None.

System Programmer Response: See the *TCP/IP Programmer's Reference* for tcperror codes. Use the tcperror code to determine the fault and correct the usage. Look for a bad pointer, overwritten storage, or bad struct or a structlength that is less than 0 or greater than the maximum, which is defined as 16. The tolen must be correct for AF_INET socket struct sockaddr.

Source File: pmap_rmt c, cmiucsoc c

Procedure Name: clnt_broadcast(), sendto(), common_send()

---

clnt_raw.c - Fatal header serialization error. *ReturnCode*

Severity: Fatal.

Explanation: RPC encountered an error serializing a header.

System Action: The program returns.

User or Operator Response: None.

System Programmer Response: See the *TCP/IP Programmer's Reference* for tcperror codes. Use the tcperror code to determine the fault and correct the usage. Check for a bad pointer or overwritten data.

Source File: clnt_raw c, xdr c, rpc_prot c

Procedure Name: clntraw_create(), xdr_callhdr(), xdr_u_long(), xdr_enum(), xdr_short(), xdr_putlong(), xdr_getlong()

clnttcp_create: out of memory

Severity: Fatal.

Explanation: RPC could not allocate sufficient memory.

System Action: The program returns.

User or Operator Response: Clear unneeded programs. Allot more memory to the task.

System Programmer Response: Check for a bad pointer, an unending loop using up storage, a program not freeing storage at termination, too many programs in process, or an unterminated string. Move the job to a higher memory class.

Source File: clnt_tcp c

Procedure Name: clnttcp_create(), mem_alloc()

---

clntudp_create: out of memory

Severity: Fatal.

Explanation: RPC could not allocate sufficient memory.

System Action: The program returns.

User or Operator Response: Clear unneeded programs. Allot more memory to the task.

System Programmer Response: Check for a bad pointer, an unending loop using up storage, a program not freeing storage at termination, too many programs in process, or an unterminated string. Move the job to a higher memory class.

Source File: clnt_udp c

Procedure Name: clntudp_bufcreate(), mem_alloc()

---

couldn't create an rpc server

Severity: Fatal.

Explanation: A request to have RPC create a server failed.

System Action: The program returns.

User or Operator Response: None.

System Programmer Response: See the *TCP/IP Programmer's Reference* for the listed procedures. One or more of the listed procedures failed. Check for a bad pointer. Ensure that enough storage is available for the task. Check for unterminated string.

Source File: svc_simp c, svc_udp c

Procedure Name: registerrpc(), svcudp_create(), svcudp_bufcreate(), sock(), bind(), mem_alloc(), xdrmem_create

---

couldn't register prog *number* **vers** *number*

Severity: Fatal.

Explanation: A request to have RPC register this program and version failed. Portmapper may not be running. Storage may not be available.

System Action: The program returns.

User or Operator Response: Use PING and RPCINFO to determine whether Portmapper is running. If Portmapper is not running, start Portmapper and restart the program.

System Programmer Response: Determine whether enough storage is available for the task.

Source File: svc_simp c, svc c, pmap_cln c

Procedure Name: registerrpc(), svc_register(), pmap_set(), clntudp_bufcreate(), clnt_call()

---

get_myaddress: ioctl (get interface configuration) *ReturnCode*

Severity: Fatal.

Explanation: An RPC client encountered an error obtaining interface configuration information (SIOCGIFCONF option).

System Action: The client exits and the program exits.

User or Operator Response: None.

System Programmer Response: See the *TCP/IP Programmer's Reference* for information about ioctl SIOCGIFCONF and for tcperror codes. Use the tcperror code to determine the fault and correct the usage.

Source File: pmap_cln c, cmiucsoc c

Procedure Name: get_myaddress(), ioctl()

---

get_myaddress: ioctl *ReturnCode*

Severity: Fatal.

Explanation: An RPC client encountered an error setting the interface configuration flags.

System Action: The client exits. The program exits.

User or Operator Response: None.

System Programmer Response: See the *TCP/IP Programmer's Reference* for information about ioctl SIOCGIFFLAGS and for tcperror codes. Use the tcperror code to determine the fault and correct the usage.

Source File: pmap_cln c, cmiucsoc c

Procedure Name: get_myaddress(), ioctl() get_myaddress(), ioctl()

---

never registered prog *number*

Severity: Informational.

Explanation: An attempt was made to communicate with an unregistered program.

System Action: The calling program exits.

User or Operator Response: Use PING and RPCINFO to determine whether the host is up and the program is registered. If the program is not registered, register it on the target host.

Source File: svc_simp c

Procedure Name: universal() universal()

---

registerrpc: out of memory

Severity: Fatal.

Explanation: An attempt to register an RPC server failed because of a lack of memory.

System Action: None.

User or Operator Response: Remove all possible tasks to clear storage for this task and restart.

System Programmer Response: Verify that there is enough storage for the task.

Source File: svc_simp c

Procedure Name: registerrpc(), malloc()

svc.c: - Select failed *ReturnCode*

Severity: Fatal.

Explanation: An RPC server encountered an error waiting for an incoming message.

System Action: The program returns.

User or Operator Response: None.

System Programmer Response: See the *TCP/IP Programmer's Reference* for tcperror codes. Use the tcperror code to determine the fault and correct the usage.

Source File: svc c, cmiucsoc c

Procedure Name: svc_run(), select(), common_select()

---

svc_tcp: makefd_xprt: out of memory

Severity: Fatal.

Explanation: An RPC server ran out of memory.

System Action: The program exits.

User or Operator Response: Remove all unneeded tasks to gain storage and restart the task.

System Programmer Response: Check for bad pointers. Check that storage is adequate for the task.

Source File: svc_tcp c

Procedure Name: makefd_xprt(), mem_alloc()

---

svctcp_.c - cannot getsockname or listen *ReturnCode*

Severity: Fatal.

Explanation: An RPC server encountered an error either in obtaining a socket name or in doing a listen. If a socket was opened, it will be closed.

System Action: The program returns.

User or Operator Response: None.

System Programmer Response: See the *TCP/IP Programmer's Reference* for information about tcperror codes. Use the tcperror code to determine the fault and correct the usage. Check for a bad pointer. Check that storage is sufficient for the task.

Source File: svc_tcp c, cmiucsoc c

Procedure Name: svctcp_create(), getsockname(), listen()

---

svctcp_.c - udp socket creation problem *ReturnCode*

Severity: Fatal.

Explanation: An RPC server encountered an error creating a TCP socket.

System Action: The program returns.

User or Operator Response: Remove all unneeded tasks and restart the task.

System Programmer Response: See the *TCP/IP Programmer's Reference* for tcperror codes. Use the tcperror code to determine the fault and correct the usage. Check whether all sockets are already being used. Check whether storage is available for the task.

Source File: svc_tcp c, cmiucsoc c

Procedure Name: svctcp_create(), socket()

---

svctcp_create: out of memory

Severity: Fatal.

Explanation: An RPC server ran out of memory.

System Action: None.

User or Operator Response: Remove all unneeded tasks to free storage and restart task.

System Programmer Response: Check that enough storage is available to run task.

Source File: svc_tcp c

Procedure Name: svctcp_create(), mem_alloc()

---

svcudp_create - cannot getsockname

Severity: Fatal.

Explanation: An RPC server encountered an error getting the name of a socket.

System Action: The program returns.

User or Operator Response: None.

System Programmer Response: Check for a bad pointer.

Source File: svc_udp c, cmiucsoc c

Procedure Name: svcudp_bufcreate(), getsockname()

---

svcudp_create: out of memory

Severity: Fatal.

Explanation: An RPC server ran out of memory.

System Action: None.

User or Operator Response: Remove all unneeded tasks to free storage and restart task.

System Programmer Response: Check that storage is available for the task.

Source File: svc_udp c

Procedure Name: svcudp_bufcreate(), mem_alloc()

---

svcudp_create: socket creation problem

Severity: Fatal.

Explanation: An RPC server encountered an error creating a socket.

System Action: The program returns.

User or Operator Response: Remove unneeded tasks to gain storage and restart task.

System Programmer Response: Check that sufficient storage is available for the task. All sockets may be in use.

Source File: svc_udp c, cmiucsoc c

Procedure Name: svcudp_bufcreate(), socket()

---

trouble replying to prog *number*

Severity: Fatal.

Explanation: An error was encountered replying to a remote procedure. The program exits.

System Action: The program exits.

User or Operator Response: None.

System Programmer Response: Check for a bad pointer. Check whether the task has adequate storage.

Source File: svc_simp c, svc c

Procedure Name: universal(), svc_sendreply()

---

xdr_array: out of memory

Severity: Fatal.

Explanation: An XDR function could not allocate sufficient memory.

System Action: The program returns.

User or Operator Response: Remove all unnecessary tasks to reclaim storage and restart task.

System Programmer Response: Determine whether enough storage is available for the task.

Source File: xdr_arra c

Procedure Name: xdr_array(), mem_alloc()

---

xdr_bytes: out of memory

Severity: Fatal.

Explanation: An XDR function could not allocate sufficient memory.

System Action: The program returns.

User or Operator Response: Remove unneeded tasks to free storage and restart task.

System Programmer Response: Determine whether there is enough storage for the task.

Source File: xdr c

Procedure Name: xdr_bytes(), mem_alloc()

---

xdr_reference: out of memory

Severity: Fatal.

Explanation: An XDR function could not allocate sufficient memory.

System Action: The program returns.

User or Operator Response: Remove unneeded tasks to free storage and restart task.

System Programmer Response: Determine that there is sufficient storage for the task.

Source File: xdr_refe c

Procedure Name: xdr_reference(), mem_alloc()

---

xdr_string: out of memory

Severity: Fatal.

Explanation: An XDR function could not allocate sufficient memory.

System Action: The program returns.

User or Operator Response: Remove unneeded tasks to free storage and restart task.

System Programmer Response: Determine that there is sufficient storage for the task.

Source File: xdr_str c

Procedure Name: xdr_string(), mem_alloc()

---

xdrrec_create: out of memory

Severity: Fatal.

Explanation: An XDR function could not allocate sufficient memory.

System Action: The program returns.

User or Operator Response: Remove unneeded tasks to free storage and restart task.

System Programmer Response: Determine that there is sufficient storage for the task.

Source File: xdr_rec c

Procedure Name: xdrrec_create(), mem_alloc()

---

xxx

Severity: Informational.

Explanation: An attempt was made to send a reply to an RPC call with a proc number of 0 (echo). This routine enforces that the procnum 0 is echo convention.

System Action: The svc_sendreply() call failed. The program exits.

User or Operator Response: Remove unneeded tasks to free storage and restart task.

System Programmer Response: Check for a bad pointer. Check that storage is sufficient.

Source File: svc_simp c, svc c

Procedure Name: universal(), svc_sendreply()

RPCINFO Messages

This section contains RPCINFO messages. For RPCINFO problems, PING and NETSTAT are important tools. You can use RPCINFO to check procedures registered on local and remote PORTMAPs. PING verifies that local and remote hosts are running with TCPIP. NETSTAT provides the status of socket connections and many other conditions.

---

address **{ (unknown) | name }**

Severity: Informational.

Explanation: The indicated address responded to a broadcast. This is not an error message. A sample of this message is:

```
9.9.9.9 VMXX.RALEIGH.IBM.COM
9.9.9.10 (unknown)
```

System Action: The program continues. The program runs to completion.

User or Operator Response: None.

Source File: RPCINFO C

Procedure Name: reply_proc()

RPCINFO Messages

No remote programs registered.

Severity: Informational.

Explanation: No remote programs have been registered on the Portmapper to be retrieved by RPCINFO.

System Action: RPCINFO continues.

User or Operator Response: Start a server that registers a procedure on the Portmapper.

Source File: RPCINFO C

Procedure Name: pmapdump()

---

program *number* **version** *version* **ready and waiting**

Severity: Informational.

Explanation: The indicated program is ready.

System Action: RPCINFO continues execution.

User or Operator Response: None.

Source File: RPCINFO C

Procedure Name: pmapdump()

---

program vers proto port

Severity: Informational.

Explanation: A list of programs registered on the chosen Portmapper, with version protocol and port information, follows this message.

System Action: The program continues.

User or Operator Response: None.

Source File: RPCINFO C

Procedure Name: pmapdump()

---

rpcinfo: broadcast failed: *ReturnCode*

Severity: Fatal.

Explanation: RPCINFO encountered an error issuing a broadcast.

System Action: RPCINFO exits.

User or Operator Response: Use *err* in the message to determine the probable cause. There are multiple, possible return codes.

Source File: RPCINFO C

Procedure Name: brdcst(), clnt_broadcast()

---

rpcinfo: can't contact portmapper: rpcinfo *ReturnCode*

Severity: Fatal.

Explanation: RPCINFO encountered an error establishing a TCP connection to Portmapper.

System Action: RPCINFO exits.

User or Operator Response: Correct the problem identified in the error response. A typical error is that the Portmapper is not running on the host. Start PORTMAP. PING the host to determine that Portmapper is running and available on the network.

Source File: RPCINFO C

Procedure Name: pmapdump(), clnt_call() brdcst(), clnt_broadcast()

---

rpcinfo: *host* **is unknown host**

Severity: Fatal.

Explanation: You specified an unrecognized host on the RPCINFO command line. The name server may be down. The host name may have been changed to another net. The HOSTS LOCAL, HOSTS ADDRINFO, or HOSTS SITEINFO files may be incorrect. You may need to run MAKESITE.

System Action: RPCINFO exits.

User or Operator Response: PING the host. Determine whether the host name is correct and whether the name server is running.

System Programmer Response: Make any necessary changes to the HOSTS LOCAL file and run MAKESITE.

Source File: RPCINFO C

Procedure Name: get_net_address() udpping(), socket() udpping(), tcpping()

---

rpcinfo: *service* **is unknown service**

Severity: Informational.

Explanation: The program number specified on the command line does not correspond to a known service.

System Action: RPCINFO exits.

User or Operator Response: Correct the program number. Verify that the server is running and that it registers the correct number. Rerun.

Source File: RPCINFO C

Procedure Name: getprognum(), getrpcbyname()

---

rcpinfo: socket

Severity: Fatal.

Explanation: RPCINFO encountered an error opening a UDP socket for PING.

System Action: RPCINFO exits.

User or Operator Response: Retry. for socket() parameters. Check for a memory constraint. Check whether TCPIP is running locally or remotely.

Source File: RPCINFO C

Procedure Name: udpping(), socket()

Usage: rpcinfo [-n portnum] -u host prognum [versnum]
    rpcinfo [-n portnum] -t host prognum [versnum]
    rpcinfo -p [host]
    rpcinfo -b prognum versnum

Severity: Informational.

Explanation: The command line syntax is displayed to indicate that the user invoked RPCINFO with invalid arguments.

System Action: RPCINFO exits.

User or Operator Response: Reenter RPCINFO with the correct control parameter syntax.

Source File: RPCINFO C

Procedure Name: usage()

RPCGEN Messages

This section contains RPCGEN messages.

---

command: *file ReturnCode*

Severity: Fatal.

Explanation: RPCGEN encountered the indicated error opening this file.

System Action: RPCGEN exits.

User or Operator Response: See the *TCP/IP Programmer's Reference* to determine the status of the file relative to the error code; tcperror codes are shown in tcperrno.h. Correct and restart.

Source File: RPCMAIN C

Procedure Name: open_input()

---

command: **output would overwrite** *file*

Severity: Fatal.

Explanation: The specified output file would overwrite the input file. You must choose an output file name different from the input file name.

System Action: RPCGEN exits.

User or Operator Response: Change the output file name and restart.

Source File: RPCMAIN C

Procedure Name: open_output()

---

command: **unable to open** *file ReturnCode*

Severity: Fatal.

Explanation: RPCGEN was unable to open the output file.

System Action: RPCGEN exits.

User or Operator Response: Determine from the error code why the file is unavailable. Possible reasons include: missing, out of memory, and wrong pointer.

Source File: RPCMAIN C

Procedure Name: open_output()

---

line file, **line** *number*: **array declaration expected**

Severity: Fatal.

Explanation: TCP/IP expected an array declaration at this line of the source file.

System Action: RPCGEN exits.

User or Operator Response: Correct the program and restart, or tell the system programmer about the error.

System Programmer Response: Correct the program.

Source File: RPCPARSE C

Procedure Name: get_declaration()

---

line file, **line** *number*: **constant or identifier expected**

Severity: Fatal.

Explanation: TCP/IP expected a constant or identifier at this point in the source file.

System Action: RPCGEN exits

User or Operator Response: Correct the program and restart, or tell the system programmer about the error.

Source File: RPCSCAN C

Procedure Name: scan_num()

---

line file, **line** *number*: **definition keyword expected**

Severity: Fatal.

Explanation: RPCGEN expected a definition keyword at this point in the source file.

System Action: RPCGEN exits.

User or Operator Response: Correct the source file and restart.

Source File: RPCPARSE C

Procedure Name: get_definition()

---

line file, **line** *number*: **expected type specifier**

Severity: Fatal.

Explanation: TCP/IP expected a type specifier at this point in the source file.

System Action: RPCGEN exits.

User or Operator Response: Correct the program and restart, or tell the system programmer about the error.

System Programmer Response: Correct the program.

Source File: RPCPARSE C

Procedure Name: get_type()

---

line file, **line** *number*: **expected type specifier**

Severity: Fatal.

Explanation: TCP/IP expected a type specifier at this point in the source file.

System Action: RPCGEN exits.

User or Operator Response: Correct the program and restart, or tell the system programmer about the error.

System Programmer Response: Correct the program.

Source File: RPCPARSE C

Procedure Name: get_type()

---

line file, **line** *number*: **illegal argument type**

Severity: Fatal.

Explanation: TCP/IP encountered an illegal argument type, opaque, on this line of the source file.

System Action: RPCGEN exits

User or Operator Response: Correct the source and restart.

Source File: RPCPARSE C

Procedure Name: def_program()

line file, **line** *number*: **illegal character in file**

Severity: Fatal.

Explanation: TCP/IP encountered an illegal character in the source file.

System Action: RPCGEN exits.

User or Operator Response: Correct the program and restart, or tell the system programmer about the error.

System Programmer Response: Correct the program.

Source File: RPCSCAN C

Procedure Name: get_token()

---

line file, **line** *number*: **illegal result type**

Severity: Fatal.

Explanation: TCP/IP encountered an illegal result type, opaque, on this line of the source file.

System Action: RPCGEN exits.

User or Operator Response: Correct the source file and restart.

Source File: RPCPARSE C

Procedure Name: def_program()

---

line file, **line** *number*: **no array-of-pointer declarations -- use typedef**

Severity: Fatal.

Explanation: TCP/IP encountered an illegal array-of-pointer declaration at this line in the source file. RPCGEN does not allow arrays of pointers, but they can be implemented by means of typedef.

System Action: RPCGEN exits.

User or Operator Response: Do a typedef of the array-of-pointers, or tell the system programmer about the error.

System Programmer Response: Do a typedef of the array-of-pointers and restart.

Source File: RPCPARSE C

Procedure Name: get_declaration()

---

line file, **line** *number*: **preprocessor error**

Severity: Fatal.

Explanation: TCP/IP encountered a preprocessor error while searching for the null at the end of the number and spaces. A non-null was found at the end of the number and spaces.

System Action: RPCGEN exits.

User or Operator Response: Correct the program and restart, or tell the system programmer about the error.

System Programmer Response: Correct the program.

Source File: RPCSCAN C

Procedure Name: docppline()

---

line file, **line** *number*: **unterminated string constant**

Severity: Fatal.

Explanation: TCP/IP encountered an unterminated string constant. The string must be terminated with a null character (\0 or X'00'). The program could be overwriting data.

System Action: RPCGEN exits.

User or Operator Response: Correct the program and restart, or tell the system programmer about the error.

System Programmer Response: Examine the program data for an unterminated string or a bad pointer. Correct the program.

Source File: RPCSCAN C

Procedure Name: findstrconst()

---

line file, **line** *number*: **variable-length array declaration expected**

Severity: Fatal.

Explanation: TCP/IP expected a variable-length array declaration at this point in the source file.

System Action: RPCGEN exits.

User or Operator Response: Correct the input program and restart, or tell the system programmer about the error.

System Programmer Response: Correct the input program.

Source File: RPCPARSE C

Procedure Name: get_declaration()

---

line file, **line** *number*: **voids allowed only inside union and program definitions**

Severity: Fatal.

Explanation: TCP/IP encountered an inappropriate void type at this line in the source file.

System Action: RPCGEN exits.

User or Operator Response: Correct the program and restart, or tell the system programmer about the error.

System Programmer Response: Correct the program.

Source File: RPCPARSE C

Procedure Name: get_type()

---

too many files!

Severity: Fatal.

Explanation: The number of open files exceeds the maximum permitted. The maximum number of files allowed is currently defined as 4. The program depends upon C to clear the variable *nfiles* to zero. If C does not clear *nfiles* to 0, the message occurs unpredictably.

System Action: If the message appears, RPCGEN exits.

User or Operator Response: None

System Programmer Response: If the compiler does not provide a reset to *nfiles*, add a software reset to *nfiles*.

Source File: RPCUTIL C

Procedure Name: record_open()

---

usage: *command* **in_fn in_ft [in_fm]** *command* **[-c | -h | -l | -m]**
[-o fn ft fm][in_fn in_ft [in_fm]] *command* **[-s udp | tcp]*$&**
[in_fm]]

Severity: Informational.

Explanation: The command line syntax was incorrect; the correct
command line syntax is displayed. *Command* is replaced by the
name of this program, RPCGEN, unless the file name of the
executable was changed.

System Action: RPCGEN exits.

User or Operator Response: Correct the syntax and restart.

Source File: RPCMAIN C

Procedure Name: main()

Chapter 11. REXEC and REXECD Messages

This chapter contains REXEC and REXECD messages.

REXEC Messages

Command timed out

Severity: Error.

Explanation: The time-out timer has expired and the connection has been closed.

System Action: REXEC halts.

User or Operator Response: Determine the reason this message was issued and correct the problem before continuing.

Source File: REXEC PASCAL

Procedure Name: RECV_NOTICES

Error:

Severity: Error.

Explanation: The DataDelivered procedure encountered an error condition. This message can be followed by a specific message output line for each buffer character error encountered thereafter.

System Action: None.

User or Operator Response: None.

Source File: REXEC PASCAL

Procedure Name: RECV_NOTICES

Error: *bad character*

Severity: Error.

Explanation: The DataDelivered procedure encountered a specific error. The message lists an erroneous buffer character for each error at the end of the message.

System Action: None.

User or Operator Response: None.

Source File: REXEC PASCAL

Procedure Name: RECV_NOTICES

Host *foreignhost* **Unknown.**

Severity: Error.

Explanation: The requested foreign host is unknown to this host. This message means that the requested foreign host is not listed in the search table defined to this REXEC session.

System Action: REXEC halts.

User or Operator Response: Determine the reason for this failure, correct it, and rerun the program.

Source File: REXEC PASCAL

Procedure Name: UTSTARTTELNETINIT

| **Logon prompting disabled, quitting application.**

| **Severity:** Error.

| **Explanation:** The **-k** option has disabled prompts for user name | and password values and no NETRC DATA file entry was found that | matches the host specified as part of your command.

| **System Action:** Command execution stops.

| **User or Operator Response:** Ensure the NETRC DATA file | contains an entry for the target host when the **-k** option is used. If | you wish to be prompted for a user name and password, omit this | option when the REXEC command is issued.

| **Source File:** REXEC PASCAL

| **Procedure Name:** GETPARM

-p option requires one parameter: *<passwd>*

Severity: Error.

Explanation: An option parameter was missing from or invalid in the -p option.

System Action: REXEC halts.

User or Operator Response: Input a valid password with the -p option when you rerun the program. Do not include the angle brackets (< >) as part of your input.

Source File: REXEC PASCAL

Procedure Name: GETPARM

---

rexec: no command given.

Severity: Error.

Explanation: The command input was null.

System Action: REXEC halts.

User or Operator Response: Input a valid REXEC command when you rerun the program.

Source File: REXEC PASCAL

Procedure Name: GETPARM

---

rexec: No foreign hostname given.

Severity: Error.

Explanation: The foreign host name input was null.

System Action: REXEC halts.

User or Operator Response: Input a valid foreign host name when you rerun the program.

Source File: REXEC PASCAL

Procedure Name: GETPARM

-s option requires one parameter: *<port>*

Severity: Error.

Explanation: An option parameter was missing from or invalid in the -s option.

System Action: REXEC halts.

User or Operator Response: Input a valid port ID with the -s option when you rerun the program. Do not include the angle brackets (< >) as part of your input.

REXECD Messages

Source File: REXEC PASCAL

Procedure Name: GETPARM

-t option requires one parameter: *<seconds>*

Severity: Error.

Explanation: An option parameter was missing from or invalid in the -t option.

System Action: REXEC halts.

User or Operator Response: Input a valid time-out with the -t option when you rerun the program. Do not include the angle brackets (< >) as part of your input.

Source File: REXEC PASCAL

Procedure Name: GETPARM

---

tcpwaitsend: *ReturnCode*

Severity: Error.

Explanation: A nonzero return code was returned from a tcpwaitsend call.

System Action: REXEC halts.

User or Operator Response: Determine if a network problem exists before you rerun the program.

Source File: REXEC PASCAL

Procedure Name: REXEC_UTIL

---

timeout **is not a valid number of seconds**

Severity: Error.

Explanation: You have entered a time-out value that is not valid. The time-out value must be a number within the following time-out range: greater than or equal to zero and less than or equal to 9999999.

System Action: REXEC halts.

User or Operator Response: Input a valid time-out with the -t option when you rerun the program.

Source File: REXEC PASCAL

Procedure Name: GETPARM

Unable to open passive port for host *foreignhost*

Severity: Error.

Explanation: A possible network or hardware problem exists.

System Action: REXEC halts.

User or Operator Response: Determine the reason for this failure, correct it, and rerun the program.

Source File: REXEC PASCAL

Procedure Name: UTSTARTTELNETINIT

Unable to open port *TCP_REXEC* **to host** *foreignhost*

Severity: Error.

Explanation: A possible network or hardware problem exists.

System Action: REXEC halts.

User or Operator Response: Determine the reason for this failure, correct it, and rerun the program.

Source File: REXEC PASCAL

Procedure Name: UTSTARTTELNETINIT

Unknown option *option*

Severity: Error.

Explanation: You input an invalid option, which is listed at the end of the message.

System Action: REXEC halts.

User or Operator Response: Input a valid option when you rerun the program.

Source File: REXEC PASCAL

Procedure Name: GETPARM

REXECD Messages

---

after 30 secs, rc *ReturnCode*

Severity: Warning.

Explanation: This is the second line of the message displayed to warn you that the listed user ID could not be autologged for any system. This line in the message explains that the 30-second time-out has expired, and it lists the CP return code reason for the time-out.

System Action: None.

User or Operator Response: Determine the cause of this problem and correct it before continuing.

Source File: RXMAIN C

Procedure Name: MAIN

Cannot execute the following command; command rc =
returncode
>> *<command_string>*

Severity: Error.

Explanation: The listed command could not be executed for the reason listed in the return code.

System Action: None.

User or Operator Response: Determine the reason this message was issued and correct the problem before continuing.

Source File: RXMAIN C

Procedure Name: FILL_CONN_STRUCT

---

command **cannot be executed**

Severity: Error.

Explanation: The listed command could not be executed.

System Action: None.

User or Operator Response: Determine the reason that this message was issued and correct the problem before continuing.

Source File: RXMAIN C

Procedure Name: MAIN

Diag 0x084 returns: **cc=**_cc_ **rc=**_returncode_
User ID: _userid_ **Password:** _passwword_

Severity: Error.

Explanation: You entered an erroneous user ID or password combination that caused diagnose 0x084 to fail with the listed nonzero condition and return codes.

System Action: None.

User or Operator Response: Enter a correct user ID and password.

Source File: RXMAIN C

Procedure Name: CHECK_PWD

Diag 0x08 returns: **rc=**_returncode_
For command: _command_string_

Severity: Error.

Explanation: The diagnose 0x08 failed with the listed nonzero return code from an attempt to issue a CP command.

System Action: None.

User or Operator Response: Review the diagnose return code to determine why the diagnose 0x08 command failed.

Source File: RXMAIN C

Procedure Name: CP

Error in TCP receive - - _ReturnCode_

Severity: Error.

Explanation: A call to the tcpreceive procedure resulted in a nonzero return code.

System Action: REXECD halts.

User or Operator Response: Check and correct any network problems before you resubmit this task request.

Source File: RXUTILS C

Procedure Name: STDREAD

Error in TCP send retcode _ReturnCode_

Severity: Error.

Explanation: A call to the tcpsend procedure resulted in a nonzero return code. A return code and related reason text are listed at the end of the message.

System Action: REXECD halts.

User or Operator Response: Check and correct any network problems before you resubmit this task request.

Source File: RXUTILS C

Procedure Name: STDWRITE

Error in TCP Wait receive - - _ReturnCode_

Severity: Error.

Explanation: A call to the tcpwaitreceive procedure resulted in a nonzero return code.

System Action: REXECD halts.

User or Operator Response: Check and correct any network problems before you resubmit this task request.

Source File: RXUTILS C

Procedure Name: WATREAD

Error: Unknown NETSTAT command, _type_

Severity: Error.

Explanation: The command was not a known NETSTAT command. The following are valid NETSTAT commands:

- CP
- UP
- DROP
- GATE
- HOME
- TELNET
- ALL
- CONN
- ALLCONN
- CLIENTS
- DEVLINKS
- SOCKET
- POOLSIZE
- INTERVAL

System Action: None.

User or Operator Response: Submit a valid NETSTAT command.

Source File: RXMAIN C

Procedure Name: NETSTAT_CMD

Error: Unknown option: _option_

Severity: Error.

Explanation: You made a syntax error in your input, or you requested an invalid option. The invalid option argument is listed at the end of the message. The valid options are: `-s, -t, -e, -h, -d, -r,` and `-?`

System Action: After this message is displayed, the program halts with a return code of 1.

User or Operator Response: Correct the input syntax and try again.

Source File: RXMAIN C

Procedure Name: GET_OPTS

Failure on call to: getidentity

Severity: Error.

Explanation: This message is the first line of an error message that indicates that a call to the cgetidentity procedure resulted in a nonzero return code.

System Action: None.

User or Operator Response: None.

Source File: RXMAIN C

Procedure Name: MAIN

Incorrect password

Severity: Error.

Explanation: You entered an incorrect password.

System Action: None.

User or Operator Response: Enter the correct password for the requested user ID.

Source File: RXMAIN C

Procedure Name: CHECK_PWD

REXECD Messages

Incorrect userid/password

Severity: Error.

Explanation: You entered an incorrect user ID or password combination. Your logon request was denied.

System Action: None.

User or Operator Response: Enter a correct user ID and password combination.

Source File: RXMAIN C

Procedure Name: CHECK_PWD

Invalid password

Severity: Error.

Explanation: You entered an invalid password.

System Action: None.

User or Operator Response: Enter the valid password for the requested user ID.

Source File: RXMAIN C

Procedure Name: CHECK_PWD

MSG *machine name* **Remote Execution Daemon shutdown**

Severity: Warning.

Explanation: The CP MSG facility on the host sends this message to warn agent machines that REXECD is shutting down.

System Action: None.

User or Operator Response: You cannot use REXECD until the program is restarted.

Source File: RXMAIN C

Procedure Name: MAIN

No agent machines are available at this time.

Severity: Error.

Explanation: No agent machines are available for processing REXECD requests.

System Action: None.

User or Operator Response: Determine the reason this message was issued and correct the problem before continuing.

Source File: RXMAIN C

Procedure Name: XVM_N_SEND

REXEC port number is not valid. Using default REXEC port: 512

Severity: Warning.

Explanation: You entered a port number less than zero.

System Action: The program uses the default REXEC port and continues processing.

User or Operator Response: None.

Source File: RXMAIN C

Procedure Name: GET_OPTS

GENDELIV MODULE not accessible

Severity: Warning.

Explanation: A required part of the executables for REXECD does not reside on any of the VM minidisks accessed by the program driver.

System Action: None.

User or Operator Response: Ensure that the GENDELIV component is on an accessed minidisk before you resubmit this task request.

Source File: RXMAIN C

Procedure Name: MAIN

Received a catastrophic error from the client: OPENrejected Recycling REXECD

Severity: Error.

Explanation: The REXECD server attempted to open a data connection with a remote client, but its attempt was rejected.

System Action: The REXECD server reinitializes itself because the rejected connection can prohibit the server from responding to additional client requests.

User or Operator Response: None.

Source File: RXMAIN C

Procedure Name: MAIN

Shutting down due to notification from TCP/IP

Severity: Warning.

Explanation: The REXECD server received a notification from the TCP/IP stack server to stop processing because the TCPIP server itself is performing shutdown processing.

System Action: The REXECD server performs shutdown processing.

User or Operator Response: None.

Source File: RXMAIN C

Procedure Name: MAIN

Tcpwrite failed on conn *conn*

Severity: Error.

Explanation: A nonzero return code was returned from a call to tcpwrite on the listed connection.

System Action: None.

User or Operator Response: Investigate possible network problems before you resubmit the task.

Source File: RXMAIN C

Procedure Name: MAIN

WAITDEV MODULE not accessible

Severity: Warning.

Explanation: A required part of the executables for REXECD does not reside on any of the VM minidisks accessed by the program driver.

System Action: None.

User or Operator Response: Ensure that the WAITDEV MODULE is on an accessed minidisk before you resubmit this task request.

Source File: RXMAIN C

Procedure Name: MAIN

RSH port number is not valid. Using default RSH port: 514

Severity: Warning.

Explanation: You entered a port number less than zero.

System Action: The program uses the default RSH port and continues processing.

User or Operator Response: None.

Source File: RXMAIN C

Procedure Name: GET_OPTS

The -e option requires one parameter: <**port_ number**>

Severity: Error.

Explanation: A port number was not provided with this option.

System Action: REXECD halts with a return code of 1.

User or Operator Response: Reissue the command providing an appropriate port number.

Source File: RXMAIN C

Procedure Name: GET_OPTS

The -h option requires one parameter: <**port_ number**>

Severity: Error.

Explanation: A port number was not provided with this option.

System Action: REXECD halts with a return code of 1.

User or Operator Response: Reissue the command providing an appropriate port number.

Source File: RXMAIN C

Procedure Name: GET_OPTS

The -s option requires one parameter: <**userid**>

Severity: Error.

Explanation: You made a syntax error in your input.

System Action: REXECD halts with a return code of 1.

User or Operator Response: Correct the input syntax for the agent service machine and try again.

Source File: RXMAIN C

Procedure Name: GET_OPTS

The -t option requires one parameter: <**time_out**>

Severity: Error.

Explanation: You made a syntax error in your input.

System Action: REXECD halts with a return code of 1.

User or Operator Response: Correct the input syntax for the connection time-out value and try again.

Source File: RXMAIN C

Procedure Name: GET_OPTS

Tcp active open failed -- rc *ReturnCode*

Severity: Warning.

Explanation: A call to the ctcpwatopen procedure resulted in a nonzero return code after the number of active connect attempts exceeded the (*actlclport variable*) maximum allowable value of 1024. The program halts after the indication of this error has been echoed to the remote user. A return code and the related reason text are listed at the end of this message.

System Action: None.

User or Operator Response: Check for and correct any network problems before resubmitting this task request.

Source File: RXMAIN C

Procedure Name: ACT_OPEN

TCPCLOSE failed, rc *ReturnCode*

Severity: Warning.

Explanation: The listed nonzero return code was returned from a call to tcpclose for an active connection.

System Action: None.

User or Operator Response: Investigate possible network problems before you resubmit the task.

Source File: RXMAIN C

Procedure Name: CLOSE

Tcp open failed -- rc *ReturnCode*

Severity: Warning.

Explanation: A call to the ctcpopen procedure resulted in a nonzero return code. A return code and related reason text are listed at the end of the message.

System Action: REXECD halts.

User or Operator Response: Check and correct any network problems before you resubmit this task request.

Source File: RXMAIN C

Procedure Name: PASS_OPEN

Timeout value is not valid; Using default value: 240 seconds

Severity: Warning.

Explanation: You have entered a time-out value less than zero. In this case, the program uses the default time-out value and continues processing.

System Action: None.

User or Operator Response: None.

Source File: RXMAIN C

Procedure Name: GET_OPTS

Timer Expired: Connection Closed

Severity: Error.

Explanation: A timer has expired and the connection has been closed.

System Action: None.

User or Operator Response: Determine the reason this message was issued and correct the problem before continuing.

Source File: RXMAIN C

Procedure Name: MAIN

REXECD Messages

Unable to Autolog *machine name*

Severity: Warning.

Explanation: REXECD could not autolog the agent machine.

System Action: None.

User or Operator Response: Log or force off the agent machine before continuing.

Source File: RXMAIN C

Procedure Name: MAIN

Unable to autolog user *UserID*

Severity: Warning.

Explanation: The listed user ID could not be autologged with the RXSNDIU EXEC for any system.

System Action: None.

User or Operator Response: None.

Source File: RXMAIN C

Procedure Name: XVM_N_SEND

Unable to communicate with user *UserID*

Severity: Warning.

Explanation: The system was unable to communicate with the listed user ID.

System Action: None.

User or Operator Response: The remote user should determine the reason that this message was issued and correct the problem before continuing.

Source File: RXMAIN C

Procedure Name: XVM_N_SEND

Unable to open active connection

Severity: Warning.

Explanation: There was a ctcpwatopen failure.

System Action: None.

User or Operator Response: Check for and correct any network problems before he resubmits this task request.

Source File: RXMAIN C

Procedure Name: ACT_OPEN

Unknown notification, <notice->notetype>

Severity: Error.

Explanation: This is an informational message issued by the prtnotice procedure for the default case when none of the other, previous valid cases were found.

System Action: None.

User or Operator Response: None.

Source File: RXUTILS C

Procedure Name: PRTNOTICE

Chapter 12. ROUTED Messages

| This section contains the messages for the RouteD server.

| **DTCRTD4820I   VM TCP/IP RouteD server** *function level*

| **Explanation:** This message indicates the function level of the
| RouteD server.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4823I   Tracing debug packets** *action timestamp*

| **Explanation:** Debug packets tracing is enabled or disabled. The
| packets are displayed in data format.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4825S**   *name***/udp**

| **Explanation:** A UDP port number for the router service *name* was
| not resolved in the PROFILE TCPIP file.

| **System Action:** RouteD ends abnormally.

| **User or Operator Response:** None.

| **System Programmer Response:** Verify that a UDP port has been
| reserved for RouteD using the PORT statement in PROFILE TCPIP.

| **DTCRTD4826S   Terminating since clients require a socket**

| **Explanation:** RouteD attempted to open a socket on a well-known
| port (specified in the PROFILE TCPIP file) but the open was not
| successful, or the socket could not be bound to an internet address
| and port number. Other routers will not be able to communicate with
| RouteD because a socket is unavailable; Therefore, RouteD will shut
| down.

| **System Action:** RouteD ends abnormally.

| **User or Operator Response:** None.

| **System Programmer Response:** Verify that another program is
| not using RouteD's port and that the port has been reserved in the
| PORT statement of PROFILE TCPIP file.

| **DTCRTD4827S   Usage: routed (–d) (–dp) (–g) (–h) (–hv) (–q)**
| **(–s) (–sd) (–sdv|–svd) (–shv|–svh) (–sl) (–st)**
| **(–sv) ((–t) (–t) (–t) (–t))**

| **Explanation:** RouteD was passed parameters that are not
| supported or were not formatted correctly.

| **System Action:** RouteD ends abnormally.

| **User or Operator Response:** None.

| **System Programmer Response:** Correct the parameters and
| separate them with spaces. Refer to *TCP/IP Planning and
| Customization* for more information.

| **DTCRTD4828I   Input parameter(s):** *parameter*

| **Explanation:** This message displays the input parameters supplied
| to the RouteD server by the user.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4829I   Waiting for incoming packets**

| **Explanation:** RouteD is waiting for datagrams to arrive from other
| routers. Each time RouteD finishes processing an event such as an
| incoming datagram or a timer that expires, it issues this message
| and waits for the next event. These messages should occur at least
| every 15 seconds.

| **System Action:** Processing is suspended until a timer expires or a
| datagram arrives from another router.

| **User or Operator Response:** None.

| **System Programmer Response:** If 6 or more of these messages
| occur consecutively, RouteD is not receiving any datagrams from
| other routers. Verify that another router is active on a directly
| connected network. If so, examine the status of the appropriate
| network interface.

| **DTCRTD4830E   The main select was interrupted**

| **Explanation:** An error was detected while RouteD was waiting for
| an event to occur. A subsequent message will be issued with more
| error information.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Verify that TCPIP is running.

| **DTCRTD4831I   Send delayed dynamic update**

| **Explanation:** A routing update that was delayed to prevent packet
| storms has been transmitted. This occurs 2–5 seconds after a
| dynamic update has been issued.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4832E   While receiving a packet**

| **Explanation:** An error occurred while attempting to receive a
| packet from a client. The incoming packet is discarded. A
| subsequent message will be issued with more error information.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Refer to the next error message
| issued and correct the error.

| **DTCRTD4833S   A socket could not be created**

| **Explanation:** RouteD could not open a new socket. A subsequent
| message will be issued with more error information.

| **System Action:** RouteD ends abnormally.

| **User or Operator Response:** None.

| **System Programmer Response:** Verify that TCPIP is active, that
| another program is not using the RouteD's port, and that the port
| has been reserved in the PORT statement of PROFILE TCPIP file.

| **DTCRTD4834S   Broadcasting cannot be enabled on socket**
| *socket*

| **Explanation:** RouteD cannot enable the socket for broadcasting.
| RouteD must be able to broadcast over interfaces that support
| broadcasting to communicate with other routers.

| **System Action:** RouteD ends abnormally.

| **User or Operator Response:** None.

| **System Programmer Response:** Contact your IBM Software
| Support Center.

| **DTCRTD4835S   The socket bind failed**

| **Explanation:** RouteD was unable to associate an internet address
| and port number with the newly created socket. This might be
| because another application is using the port.

| **System Action:** RouteD ends abnormally.

| **User or Operator Response:** None.

| **System Programmer Response:** Verify that no other application is
| using the router port. Use the netstat *socket* command and look to
| see if RouteD is bound to 520. You should reserve this port for
| RouteD's exclusive use by adding an entry to the PORT statement in
| the PROFILE TCPIP file.

| **DTCRTD4836E**   *function*: **socket create failed**

| **Explanation:** RouteD was unable to obtain a socket for temporary
| use by *function* while initializing interfaces or obtaining interface
| information from TCPIP's interface tables. A subsequent message
| will be issued with more error information.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Refer to the next error message
| issued and correct the error.

| **DTCRTD4837E   ioctl (get interface configuration)**

| **Explanation:** RouteD encountered an error while attempting to
| obtain the network interface configuration. A subsequent message
| will be issued with more error information. The most likely error is
| ENOBUFS, which indicates an internal TCPIP problem. The
| interface in error is skipped.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Refer to the next error message
| issued and correct the error.

| **DTCRTD4838E**   *interface*: **ioctl (get interface flags)**

| **Explanation:** RouteD encountered an error while obtaining the
| interface flags for *interface*. A more specific message follows, which
| indicates the error returned from the ioctl. The interface is skipped.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** If the error is ENOENT, verify
| that a BSDROUTINGPARMS statement is in the PROFILE TCPIP
| file.

| **DTCRTD4839E**   *interface*: **ioctl (get destination address)**

| **Explanation:** RouteD encountered an error while attempting to
| obtain the destination address from the point-to-point interface
| *interface*. A subsequent message will be issued with more error
| information. The interface in error is skipped.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Refer to the next error message
| issued and correct the error.

| **DTCRTD4840E**   *interface*: **ioctl (get broadcast address)**

| **Explanation:** RouteD encountered an error while attempting to
| obtain the broadcast address for interface *interface*. A subsequent
| message will be issued with more error information. The interface is
| skipped.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Refer to the next error message
| issued and correct the error.

| **DTCRTD4841E**   *interface*: **ioctl (get metric)**

| **Explanation:** RouteD encountered an error while obtaining the
| metric for interface *interface*. A subsequent message will be issued
| with more error information. The metric for the interface is set to
| zero.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Refer to the next error message
| issued and correct the error.

| **DTCRTD4842W   Ignoring incorrect metric on interface** *interface*

| **Explanation:** An incorrect metric value was specified for this
| interface in the BSDROUTINGPARMS statement. The default metric
| of 0 (zero) is used.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Specify a correct metric value in
| the range from 0 to 15.

| **DTCRTD4843E** *interface*: **ioctl (get netmask)**

| **Explanation:** RouteD encountered an error while obtaining the
| subnet mask for *interface*. A subsequent message will be issued with
| more error information. The interface in error is skipped.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Refer to the next error message
| issued and correct the error.

| **DTCRTD4844S Function** *function* **out of memory**

| **Explanation:** RouteD is unable to allocate the free storage needed
| to process an interface.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Increase the Virtual Machine
| storage and restart RouteD.

| **DTCRTD4845W** *entry*

| **Explanation:** A warning is about to be issued for the indicated
| entry in the ETC GATEWAYS file. A subsequent message will be
| issued with more error information.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Correct the ETC GATEWAYS
| file.

| **DTCRTD4846E** *entry*

| **Explanation:** An error is about to be issued for the indicated entry
| in the ETC GATEWAYS file. A subsequent message will be issued
| with more error information.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Correct the ETC GATEWAYS
| file.

| **DTCRTD4847W Second element ignored, changing to 'active'**

| **Explanation:** The second element in the active gateway entry was
| detected as not valid. This suggests that a configuration error might
| have occurred. RouteD will assume the gateway entry is an active
| gateway. The second element is changed to "active".

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Correct the ETC GATEWAYS
| file.

| **DTCRTD4848E Gateway type '**type**' incorrect for active**
| **gateway**

| **Explanation:** An active ETC GATEWAYS entry has a route type
| other than "active". ETC GATEWAYS entries classified as active
| must have a route type of "active". The ETC GATEWAYS entry is
| ignored.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Correct the ETC GATEWAYS
| file.

| **DTCRTD4849I RouteD Server started**

| **Explanation:** RouteD has completed initialization of network
| interfaces with direct routes and is ready to process RIP packets for
| IP dynamic routing. Any routes defined in the ETC GATEWAYS file
| have also been processed.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4850I Processing interface** *interface*

| **Explanation:** The indicated interface was found in TCPIP's
| interface table and is being added to RouteD's interface table.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4851E First two elements must be 'active' for active**
| **gateway**

| **Explanation:** A ETC GATEWAYS entry for the gateway definition
| has a route type of "active", but the first two elements are not
| defined as active, as required for an active gateway definition. The
| ETC GATEWAYS entry is ignored.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Correct the ETC GATEWAYS
| file.

| **DTCRTD4852E Incorrect gateway type '**type**'**

| **Explanation:** The ETC GATEWAYS entry for the gateway definition
| has a gateway type that is not valid. Valid gateway types are:
| active, external, permanent and passive. The ETC GATEWAYS
| entry is ignored.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Correct the ETC GATEWAYS
| file.

| **DTCRTD4853E packet from unsupported address family** *family*,
| **cmd** *command*

| **Explanation:** A RIP packet was received by RouteD from a foreign
| router in an unsupported address family. Only the internet address
| family is supported. The packet is ignored.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Ignore the error or locate the
| foreign router that originated the unsupported RIP packet and have it
| stopped.

ROUTED Messages

DTCRTD4854E RIP version 0 packet received from *router***!
(cmd** *command***)**

Explanation: A RIP Version 0 packet was received from the specified router. This version of RIP is obsolete and not supported by RouteD. The Version 0 packet is discarded.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the router that is sending the version 0 packets.

DTCRTD4855W trace command from unknown router *router*

Explanation: A TRACEON or TRACEOFF packet was received from a router that is either not directly attached, is reached using a passive interface, or is reached using an interface that cannot handle broadcast or point-to-point traffic. The packet is discarded.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: If the originating router directed the packet using a passive link, an indirect path, or an interface that cannot handle broadcast or point-to-point traffic, then correct the originating router.

DTCRTD4856W Incorrect packet from passive interface
interface

Explanation: RouteD has received a response packet from local passive interface *interface*. Although RouteD receives routing updates from a client for passive interfaces, it cannot produce the routing updates. The packet is discarded.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Locate the router that is producing the incorrect response packet and correct the problem.

DTCRTD4857W Packet from unknown router *ipaddr* **(***reason***)**

Explanation: A Routing Information Protocol (RIP) response was received from a router that is not directly connected by a broadcast network, point-to-point (NCST) network, or an active gateway as defined in ETC GATEWAYS file. The *reason* is one of:

Reason	Explanation
Interface in strange state	The network does not support broadcast or point-to-point transmissions.
Iflookup failed	Not directly connected.
this Link is PASSIVE!	Cannot update.

The packet is discarded.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Locate and correct the router that originated the packet.

DTCRTD4858W route from *router* **in unsupported address
family** *family*

Explanation: An incoming route from another router is in an address family that is not supported by RouteD. Only internet addresses are supported. The route is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Locate and correct the router that originated the route.

DTCRTD4859E Illegal address *host* **in route from** *router*

Explanation: An internet address that is not valid was received in an update from router *router*. A previous message indicates the nature of the problem with the address. The route that is not valid is discarded.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Locate and correct the *router* that originated this route.

DTCRTD4860W Bad metric *metric* **in route to** *destination* **from**
router

Explanation: A route was received from *router* containing a metric that was not in the range 1–16. The route is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Locate and correct the *router* that originated this route.

DTCRTD4861I Send dynamic update

Explanation: Changes to the routing tables have occurred and enough time has passed since the last update so RouteD is allowed to update adjacent routers immediately rather than waiting until the next broadcast timer expires. Dynamic updates are not made if they occur too soon after another update, because network performance might be affected if another dynamic update is pending.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4862I Delay dynamic update

Explanation: Changes have been made to RouteD's routing tables, but a dynamic update cannot be made because another update occurred recently or is pending. When the last update was made, a timer was set for 2–5 seconds from that time. When this timer expires, all pending dynamic updates are sent.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

| **DTCRTD4863I**   **Inhibit dynamic update for** *number* **seconds**

Explanation: A dynamic update has been sent. Further dynamic updates will not be sent during the next 2–5 seconds.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

| **DTCRTD4864E**   **inet_output: sendto destination** *destination*

Explanation: An error occurred while attempting to transmit a packet. The packet is not sent. A subsequent message will be issued with more error information.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Refer to the next error message and correct the error.

| **DTCRTD4865E**   **Trace buffers not initialized for interface**
| *interface*

Explanation: One or both of the trace buffers for the specified interface could not be initialized. Tracing is limited.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Increase the Virtual Machine size for RouteD and restart.

| **DTCRTD4866I**   **Tracing** *action* *timestamp*

Explanation: Tracing is enabled or disabled.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

| **DTCRTD4867I**   **Displaying internal** *type* **table**

Explanation: RouteD's internal IP routing or interface table is displayed for diagnosis.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

| **DTCRTD4868I**   **Tracing actions** *action timestamp*

Explanation: The current tracing level of actions has been either enabled or disabled. If enabled, messages will be issued for actions such as adding, changing, or deleting a route. Additional messages for actions such as waiting for incoming packets and dynamic updates are also issued.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

| **DTCRTD4869I**   **Tracing packets** *action timestamp*

Explanation: The current tracing level of packets has either been enabled or disabled. If enabled, messages will be issued for packets sent and received, in addition to the output displayed for the actions level.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

| **DTCRTD4870I**   **Tracing history** *action timestamp*

Explanation: The current tracing level of history has either been enabled or disabled. If enabled, messages will be issued for history tracing data on a per-interface basis, in addition to output displayed for the packets level. The history tracing data is displayed whenever an interface becomes inactive. It shows the latest traces of actions, packets, and packet contents before the interface became inactive.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

| **DTCRTD4871I**   **Tracing packet contents** *action timestamp*

Explanation: The current tracing level of packet contents has either been enabled or disabled. If enabled, messages will be issued that display the contents of packets sent or received, in addition to output displayed at lower tracing levels. Additional messages such as 4903 and 4904 are also issued.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

| **DTCRTD4882I**   *timestamp***:**

Explanation: A full time stamp is issued showing date and time so that traces can be interpreted correctly.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

| **DTCRTD4883I**   *action* **destination** *destination*, **router** *router*,
| **metric** *metric* **flags** *flags* **state** *state* **timer** *timer*

Explanation: A route to *destination* is added, changed, or deleted depending on the value of *action*. The following values for *action* are allowed:

Value	Description
ADD:	A route to *destination* is added through *router* at a metric of *metric*.
CHANGE FROM:	The route to *destination* is changed, the old values are displayed.
CHANGE TO:	The route to *destination* is changed, the new values are displayed.
DELETE:	The route to *destination* is deleted.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

ROUTED Messages

| **DTCRTD4884E   rtadd: incorrect address family**

| **Explanation:** An attempt is being made to add a route to a
| destination in an unsupported address family. Currently, RouteD
| only supports routes to Internet addresses.

| **System Action:** RouteD continues, the route is not added.

| **User or Operator Response:** None.

| **System Programmer Response:** Identify the router which
| generated this route and correct the problem.

| **DTCRTD4885W * Variable subnetting not supported in TCPIP**

| **Explanation:** RouteD has been configured to use variable
| subnetting (RIP version 2), but the current TCPIP stack is not
| configured to support variable subnetting.

| **System Action:** RouteD continues

| **User or Operator Response:** Either reconfigure RouteD to use
| only RIP version 1 or configure the TCPIP stack to support variable
| subnetting. Variable subnetting can be enabled in the stack by
| adding VARSUBNETTING to the ASSORTEDPARMS statement.

| **System Programmer Response:** none

| **DTCRTD4888I   Interface** *interface* **is passive**

| **Explanation:** The *interface* is in a passive state, meaning that RIP
| traffic is disabled for the it. Routing updates will not be broadcast to
| the interface and incoming routing updates are ignored. This may be
| the result of a RIP I/O filter option specified in the ETC GATEWAYS
| file.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4889I   CHANGE metric destination** *destination*, **router**
| *router*, **from** *old metric* **to** *new metric*

| **Explanation:** The metric for the route to *destination* is changed
| from *old metric* to *new metric*. RouteD will change the metric if it
| has received a RIP packet from router *router* that differs from the
| one in RouteD's tables. The message is also issued when a route
| times out, and RouteD changes the metric value to 16 (unreachable).

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4890I   toall: requested to skip interface** *interface*

| **Explanation:** The interface *interface* is skipped because the
| interface has already received notification of a routing change. If a
| broadcast of the routing table has not been sent recently and a
| routing change has occurred, a dynamic routing update will be
| broadcast to other interfaces to inform adjacent routers of the routing
| change.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4891I   *** Packet history for interface** *interface* *******

| **Explanation:** Tracing is set at the history level and the history trace
| data for the inactive interface is displayed.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4892I   *** End packet history *****

| **Explanation:** Tracing is set at the packet history level and this
| message ends the history trace data for the inactivated interface.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4897I   *direction*: no packets**

| **Explanation:** Either the input or output trace buffer, depending on
| the value of *direction*, is empty.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4898I   *direction* trace**

| **Explanation:** Tracing is set at the history level and either the input
| or output trace buffer is about to be displayed, depending on the
| value of *direction*.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4899I   *RIPcmd direction router* -> *port* ver *version*
| *timestamp***

| **Explanation:** A RIP datagram has been received from or is about
| to be transmitted to another router, depending on the value of
| *direction*. A value of "to" indicates an outbound datagram, while a
| value of "from" indicates an inbound datagram. The version of the
| datagram is determined by the *version*. The type of the datagram is
| determined by the value of *RIPcmd* and one of the following:

| **RIPcmd**   **Description**
| REQUEST   Indicates that the routing table information is
| requested. Individual routes or a complete
| routing table may be requested.
| RESPONSE   Indicates that the routing table information is
| broadcast.
| TRACEON   Request to start tracing to a specified file.
| TRACEOFF   Request to stop tracing and close the current
| tracing file.

| The value of *port* is either the port number on which the datagram
| came in or goes out, or if 0, indicates that an outbound datagram will
| go out on the port assigned to *router* in the PROFILE TCPIP file.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

DTCRTD4900S   Bad cmd *hex direction router–>* **port size=**size
cp=cp **packet=**packet **time=**timestamp

Explanation: A malformed packet was encountered during tracing.
The source of the packet is either *router* if *direction* is "from", or
RouteD if *direction* is "to".

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: If the source of the packet is
router, correct this router.

DTCRTD4901S   (truncated record, len *len***)**

Explanation: A RIP RESPONSE datagram was received that did
not end on a route boundary. Either the packet extends beyond the
last route or it has been truncated.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Verify that the incoming packet
was built correctly and can be processed by other routers.

DTCRTD4902I   destination *destination* **metric** *metric*

Explanation: A route to *destination* with the indicated metric was
advertised by another router or RouteD, depending on the contents
of the last DTCRTD4899I message. A route is never advertised over
the interface from which it was received.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4903I   (request for full tables)

Explanation: A request for a complete routing table has been sent
or received, depending on the contents of the last DTCRTD4899I
message. This request is sent by RouteD at startup over each
interface so that RouteD can obtain routing tables from all adjacent
routers.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4904W   Unknown address family (*family***) metric** *metric*

Explanation: A route was found in the trace with an unknown
address family.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: If the route originated from
another router, locate that router and correct it.

DTCRTD4905I   TraceOn file = *file*

Explanation: A TRACEON packet was received, trace data is
requested to go to *file*.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4909E   Error adding route to *destination* **through router**
*router***, metric** *metric*

Explanation: An error occurred while attempting to add a route to
destination. A subsequent message will be issued with more error
information.

System Action: RouteD continues, the route is not added.

User or Operator Response: None.

System Programmer Response: See DTCRTD4910E.

DTCRTD4910E   *function***: SIOCADDRT ioctl failed**

Explanation: RouteD was unsuccessful in adding a new route.
The error occurred in the indicated function and is one of the
following:

Function	Description
rtadd	RouteD attempted to add a new route to the TCP/IP IP routing table.
rtchange	RouteD attempted to change the metric of a route in the TCPIP server's IP routing table by deleting the old route, then adding a new one with the updated metric.
main	RouteD attempted to get the TCPIP level during initialization.

A subsequent message will be issued with more error information.
Most likely the error is the result of an error in an ETC GATEWAYS
entry. Common errors are:

Error	Description
EACESS	RouteD is not authorized to add routes to the TCPIP server's IP routing table. Permission is granted to RouteD to manage the TCPIP server's IP routing table, if the user ID of the RouteD virtual machine is specified in the OBEY list (OBEY statement).
EEXIST	The route already exists in TCP/IP's tables, because of a GATEWAY statement, a dynamic addition by the RouteD server, or an error deleting the route.
ENETUNREACH	TCP/IP does not have a route to the router (nexthop) for this route. Routes in the ETC GATEWAYS file must have reachable routers.
ENOBUFS	TCP/IP did not have a free IP Route Control Block to add the route to the routing table.
ENOENT	TCP/IP did not have a link interface defined for the route to be added to.
EINVAL	An incorrect parameter has been passed to TCP/IP.
EOPNOTSUPP	TCP/IP does not support the requested operation.

System Action: The route is not added. RouteD continues. If this
occurs during initialization, then RouteD ends abnormally.

User or Operator Response: None.

System Programmer Response: These errors require the
following responses:

Error	Response
EACESS	Make sure that the user ID of the RouteD virtual machine is correctly specified in the OBEY statement for TCP/IP configuration file (PROFILE TCPIP).

EEXIST	Clear the IP routing table before restarting the RouteD Server. An OBEY file with the word GATEWAY removes all routes.
ENOBUFS	Increase IPROUTEPOOLSIZE in PROFILE TCPIP and restart TCP/IP.
ENETUNREACH	Correct the ETC GATEWAYS file, and either add a route to the router or select another router for this route.
ENOENT	Define the link interface in the BSDROUTINGPARMS statement in the PROFILE TCPIP. An obeyfile with the BSDROUTINGPARMS definition(s) may be used to add the link interface(s) to TCP/IP.
EINVAL	Verify the validity of statements in the ETC GATEWAYS file.
EOPNOTSUPP	Verify that the statement "ASSORTEDPARMS VARSUBNETTING" appears in the PROFILE TCPIP.

DTCRTD4912E   **Error deleting route to** *destination* **through router** *router***, metric** *metric*

Explanation: An error occurred while attempting to delete a route to *destination*. A subsequent message will be issued with more error information.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Refer to the explanations for the specific error messages displayed along with this one.

DTCRTD4916I   *action* **route to interface** *interface* **(timed out)**

Explanation: The route to *interface* is changed or deleted depending on the value of *action*. The value "changing" indicates that *interface* will be deleted and then added. The value "deleting" indicates that the route to *interface*'s network or subnet will be deleted. The interface remains in RouteD's interface list even though the route is deleted.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4918E   *function*: **SIOCDELRT ioctl failed**

Explanation: RouteD was unsuccessful in deleting a route. The error occurred in *function*, and is one of the following:

Function	**Description**
rtdelete	RouteD attempted to delete a route from TCP/IP's routing table.
rtchange	RouteD needed to change a route, but TCP/IP does not allow routes to be changed explicitly. Instead, RouteD attempted to delete the old route so that a new route can be added with the updated values.
rtdeleteall	RouteD attempted to delete all routes from TCP/IP's routing IP routing table.

A subsequent message will be issued with more error information. The most likely error is ESRCH, which indicates that the route that is to be deleted does not exist in TCP/IP's routing tables.

System Action: RouteD continues, the route is not deleted.

User or Operator Response: None.

System Programmer Response: Contact your IBM Software Support Center.

DTCRTD4919I   **Using backup interface** *interface*

Explanation: A primary interface became inactive and a secondary *interface* is serving as the backup.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4920I   **Add** *type* **route ignored, route exists on interface** *interface*

Explanation: A network, subnetwork, or destination type route already exists on an active *interface*. As a general rule, no more than one route can be defined to a single destination and a route is added to the first available interface in the (sub)network according to the order in the HOME statement of PROFILE TCPIP.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4921I   **Deleting route to interface** *interface***? (timed out?)**

Explanation: An interface route is being deleted even though the route exists in TCP/IP's tables. One possible cause is that the route was deleted due to a timeout. Another reason for a deletion is if there is a passive route in the ETC GATEWAYS file when the route is also defined in the BSDROUTINGPARMS or HOME section of PROFILE TCPIP.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Contact your IBM Software Support Center.

DTCRTD4922I   **Option(s):** *options*

Explanation: Additional RouteD options, specified in an ETC GATEWAYS file, are being processed. Refer to *TCP/IP Planning and Customization* for more information.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4923E   **Invalid option:** *option*

Explanation: The entry in the ETC GATEWAYS file has an incorrect option. Although other options may be processed normally, the incorrect one is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ETC GATEWAYS file.

| **DTCRTD4924I**   Re-installing interface *interface*

| **Explanation:** The previously deleted *interface* is being reinstalled
| because traffic has been detected over it.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4925I**   Start of ETC GATEWAYS processing

| **Explanation:** The ETC GATEWAYS file is about to be processed.
| Processing messages may follow for the entries in the file.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4926I**   End of ETC GATEWAYS processing

| **Explanation:** Processing has completed for the ETC GATEWAYS
| file.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4927W** Specified metric not allowed, changing to
| *metric*

| **Explanation:** In the line entry for the ETC GATEWAYS file, the
| metric has a value that is not allowed. The range of valid metric
| values is 0 through 15. The metric is changed to a default value of 1
| if a zero was specified and is changed to 15 for any other value not
| in the valid range.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Correct the ETC GATEWAYS
| file.

| **DTCRTD4928S** Out of memory while processing ETC
| GATEWAYS

| **Explanation:** RouteD did not have enough storage available to
| process the ETC GATEWAYS file.

| **System Action:** RouteD ends abnormally.

| **User or Operator Response:** None.

| **System Programmer Response:** Increase the Virtual Machine
| storage size for RouteD and restart it.

| **DTCRTD4929I**   Port *port* assigned to *name*

| **Explanation:** RouteD listens for traffic from other routers on the
| specified port number *port* assigned to router service *name*.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4930I**   Packet from router *router* ignored (*action*)

| **Explanation:** RouteD has been configured to ignore packets from
| router *router*. Action *action* has been applied to its packets.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** To use packets from the router
| specified, update the ETC GATEWAYS file (RIP input filter) to accept
| packets from this router.

| **DTCRTD4931W** Ignoring route *destination*, supernetting not
| supported

| **Explanation:** The route to *destination* received in the RIP packet is
| a supernet route and is ignored since the supernetting feature is not
| enabled in TCPIP. A supernet route is one whose subnet mask is
| less than its network class mask.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Verify that the
| VARSUBNETTING option is coded in the ASSORTEDPARMS
| statement in the PROFILE TCPIP file.

| **DTCRTD4932I**   ****************************

| **Explanation:** Two of these banners enclose a message that might
| need attention when viewing the output.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Read the enclosed message
| and, when necessary, resolve the indicated error.

| **DTCRTD4933W** Unable to open ETC GATEWAYS (*filename*)

| **Explanation:** An ETC GATEWAYS file was not specified, or could
| not be opened. The indicated *filename* is the one that RouteD
| attempted to open.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** An ETC GATEWAYS file is used
| to identify networks or hosts that are not on a directly connected
| network but are still accessible through other gateways. Create an
| ETC GATEWAYS file to make these routes known to the RouteD
| server.

| **Note:** Only the first file in the search order that can be opened will
| be read to determine the gateway statements.

| **DTCRTD4934I**   Opening ETC GATEWAYS (*filename*)

| **Explanation:** The ETC GATEWAYS file is being opened.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4935S Incorrect parameter:** *parameter*

| **Explanation:** An incorrect parameter was passed to RouteD. The
| parameter could either be passed from the command line
| parameters or from the list in the DTCPARMS file.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Correct the command line
| parameters or the list of parameters defined in the DTCPARMS file.

| **DTCRTD4936I Adding** *type route* **route** *destination* **via gateway**
| *gateway***, metric** *metric*

| **Explanation:** The indicated route, defined in the ETC GATEWAYS
| file, is being added to RouteD's routing table. The route to the
| gateway will not be replaced by a competing RIP route.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4937W Subnetwork mask unknown for** *destination***,**
| **using network route** *route*

| **Explanation:** The indicated subnetwork route, defined in the ETC
| GATEWAYS file, was explicitly coded as a "net" route type.
| Because the subnetwork mask for the destination subnetwork is
| unknown, RouteD replaces the subnetwork route with a network
| route. RouteD currently is not enabled for variable subnetting.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4938I Adding active gateway** *ip_addr***, metric** *metric*

| **Explanation:** An active gateway *ip_addr* with metric *metric*, defined
| in the ETC GATEWAYS file, is being added to RouteD's routing
| table. The route to the active gateway will be treated as a network
| interface.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.
| **System Programmer Response:** None.

| **DTCRTD4939S Trace levels exceeded maximum of 4**

| **Explanation:** The maximum number of -t's that are part of a valid
| request is 4 (-t-t-t-t). Each -t indicates an additional level of tracing.

| **System Action:** RouteD ends abnormally.

| **User or Operator Response:** Specify a valid number of -t
| parameters for the trace request you would like. *TCP/IP Planning
| and Customization* describes the RouteD parameters.

| **System Programmer Response:** None.

| **DTCRTD4940I Point-to-point interface, using** *addrtype*

| **Explanation:** The new interface is point-to-point and the destination
| address type, *addrtype*, can be either 'dest_addr' or 'broadaddr'. The
| address type is determined by the *destaddr* field definition for the
| interface in the BSDROUTINGPARMS statement of the PROFILE
| TCPIP, which may be coded as zero or nonzero. If zero, the
| network or subnetwork-directed broadcast address is used;
| otherwise, the unicast or host address representing the other end of
| a point-to-point link is used. This address is used for sending routing
| information over an interface to the destination router or host.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4941I Interface** *interface* **skipped, interface is**
| **multicast-incapable**

| **Explanation:** The *interface* is skipped because RouteD has been
| configured with the RIP2 multicast option for the interface, but TCPIP
| has reported that the interface does not support multicast operation.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** When permitted, use the RIP2M
| supply control option to allow broadcasting RIP Version 1 packets
| over multicast-incapable interfaces and multicasting Version 2
| packets over multicast-capable interfaces.

| **DTCRTD4942I Not an internal interface**

| **Explanation:** The new interface does not appear to be associated
| with a real device. Most likely the interface is a pseudo-interface,
| created as a result of an active gateway definition in the ETC
| GATEWAYS file.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4943I Adding** *type* **route for interface**

| **Explanation:** The route using the network, subnetwork, or host type
| is being added to the interface in RouteD's routing table.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4944S Function** *function***: address family is out of**
| **range. The address is** *address***.**

| **Explanation:** The route to the destination address has an
| unsupported address family. RouteD cannot determine the network
| based on the address. Therefore, it cannot determine an interface
| that serves the logical network.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Non-IP addresses are not
| supported in this version of RouteD. Either ignore the message or
| have the router that originated the route stop sending non-IP
| addresses to this router. Look back through the output to find the
| last ADD or CHANGE for this destination to obtain the IP address of
| the router.

| **DTCRTD4945I ifwithnet: compare with** *value*

| **Explanation:** The route's network address is being compared to
| one of RouteD's interface entries for a network number match.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4946S   ifwithnet: interface has bad address family**

| **Explanation:** One of RouteD's interface entries address families is
| not valid. RouteD cannot determine the network based on the
| address, and cannot determine an interface that serves the logical
| network. AF_INET is the valid address family for the internet
| domain.

| **System Action:** TCPIP continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Either ignore the message or
| correct the interface with a correct address family. Change the
| address family to AF_INET. If the socket address is in an internet
| addressing family, the addressing family can be defined in the IN H
| header file.

| **DTCRTD4947I   netmatch** *ipaddr1* **and** *ipaddr2*

| **Explanation:** The network number for the first address matches the
| network address of the interface entry with the second address.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4948I   This interface is not point-to-point**

| **Explanation:** The interface RouteD is currently handling is not a
| point-to-point interface. RouteD will create a route to the network for
| the interface.

| **System Action:** TCPIP continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4949I   Interface** *interface* **not up**

| **Explanation:** RouteD determined that the indicated interface is not
| active. No routes will be added until the interface is activated or
| reactivated.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4950W Interface** *interface* **ignored**

| **Explanation:** The indicated interface address family is not valid.
| The interface is ignored to prevent network or subnetwork routes
| from being added.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** Either ignore the message or
| correct the interface with a valid address family. A common cause of
| an interface with an incorrect address family is that the interface is
| omitted from the HOME statement in PROFILE TCPIP. This may be
| normal in the case where multiple interfaces are reserved for Offload
| processing but are not defined as primary interfaces (for example,
| the PRIMARYINTERFACE statement in PROFILE TCPIP).

| **DTCRTD4954I   ** *timer_value* **minute timer expired for route to**
| *destination*

| **Explanation:** No Routing Information Protocol (RIP) packets have
| been received from RouteD for the route to the destination
| *destination* in the last *timer_value* minutes. It is assumed that the
| destination router is no longer active.

| **System Action:** Depending upon the *timer_value*, one of the
| following actions is taken:

| **Value   Action**

| 3   The route will have its metric changed to infinity for the next
| 2 minutes. The metric change is necessary to alert adjacent
| routers that the route to this destination is unreachable. If
| RouteD receives any RIP packets from the destination router
| during the two minute interval, it will restore the route by
| changing the metric to a valid one based upon the received
| RIP packet.

| 5   The route will be deleted from RouteD's routing table.

| **User or Operator Response:** None.

| **System Programmer Response:** These actions require the
| following responses:

| **Value   Response**

| 3   If the route was broadcast for a while and then suddenly
| stopped, look for an adapter problem or a problem with the
| physical line.

| 5   Examine RouteD trace output and determine when the
| broadcasting stopped for the route to the destination router.
| If the route to *destination* was only broadcast once in
| response to RouteD's request for full route tables, then the
| problem may be with the way RIP packets are broadcast.

| In these cases, determine if RouteD is receiving the RIP packets by
| obtaining a UDP packet trace. This trace can also confirm the lack
| of traffic for the route's interface. Contact the IBM support center for
| assistance.

| **DTCRTD4955I   Ignoring route** *destination*, **filtered out**

| **Explanation:** The specified destination route is being filtered out of
| the routing information in an outgoing RIP broadcast or a received
| RIP update. The destination route matches one of the RIP input and
| output filters, defined in the ETC GATEWAYS file, and is being
| selected for removal from the routing information.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4956I   Deleting interface** *interface_name*

| **Explanation:** RouteD is deleting the interface from its interface
| tables. The interface is unusable and may have been deleted via a
| new HOME list.

| **System Action:** RouteD continues.

| **User or Operator Response:** None.

| **System Programmer Response:** None.

| **DTCRTD4957I   ** *timer_value* **second timer expired (** *reason*)

| **Explanation:** Depending upon the *timer_value* and *reason*, one of
| the following actions is taken:

ROUTED Messages

Value	Reason	Action
30	broadcast	Every 30 seconds, a timer expires that indicates that RouteD must broadcast its routing tables to adjacent routers. At this time, RouteD will send RIP response packets for each of its interfaces that allow broadcasting to the adjacent routers.
m	rescan kernel for interfaces	Every *m* seconds, a timer expires that indicates that RouteD must rescan the TCP/IP's (kernel) interface table for any activated, reactivated, or deactivated interfaces. At this time, RouteD will add any new interfaces to its interface table, recognize interface order according to HOME and PRIMARYINTERFACE statements in PROFILE TCPIP, or mark the interface as active or inactive. In addition, RouteD will add routes for the activated or reactivated interfaces and if necessary, issue alerts (triggered updates) to adjacent routers for deactivated interfaces to attempt routing recovery.
n	poll interfaces for status	Every *n* seconds, a timer expires that indicates that RouteD must poll TCP/IP's interface table for any activated, reactivated, or deactivated interfaces. RouteD will mark the interface as active or inactive and if necessary, issue alerts (triggered updates) to adjacent routers for deactivated interfaces to attempt routing recovery.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4958I   supply *destination* **->** *port* **via** *interface*

Explanation: RouteD is broadcasting a routing information protocol (RIP) datagram to the destination address. The destination address can be either a broadcast address or a host address. If the port is zero, the current RouteD port will be used from the PROFILE TCPIP file. Otherwise, the datagram will be transmitted to the specified port over the interface to the destination.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4959I   Interface *interface* **up**

Explanation: The specified interface, which was not previously active, is now active. The interface might have been inactive or re-installed.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4960E   Incorrect host or (sub)network address '*destination*'

Explanation: In the entry for the ETC GATEWAYS file, the gateway definition has an incorrect destination address. The destination must be either a resolvable host name or an IP address in dotted decimal notation. The ETC GATEWAYS entry is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ETC GATEWAYS file.

DTCRTD4961E   Incorrect gateway address '*gateway*'

Explanation: In the entry for the ETC GATEWAYS file, the gateway definition has a gateway address that is not valid. The gateway address must be either a resolvable gateway name or an IP address in dotted decimal notation. The ETC GATEWAYS entry is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ETC GATEWAYS file.

DTCRTD4962E   Incorrect route type '*type*'

Explanation: In the entry for the ETC GATEWAYS file, the gateway definition route type is not valid. Allowable route types are host, for host route, net, for network or subnetwork route, and active, for a route to be treated as a network interface. The ETC GATEWAYS entry is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ETC GATEWAYS file.

DTCRTD4963I   (no ETC GATEWAYS definitions)

Explanation: The ETC GATEWAYS file does not contain any definitions for configuring the routing tables on your host.

System Action: TCPIP continues.

User or Operator Response: Include appropriate definitions in the ETC GATEWAYS file for configuring the routing tables on your host before starting RouteD.

System Programmer Response: None.

DTCRTD4964W   Incorrect metric, changing to one

Explanation: In the entry for the ETC GATEWAYS file, the metric has an incorrect value. The metric is changed to 1 because the gateway internet address matches one of the home internet addresses on the originating host. The destination host or network address is one hop away.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ETC GATEWAYS file.

DTCRTD4965I   Virtual interface

Explanation: The new interface is virtual and is used for fault tolerance support. The virtual interface always stays active and will never see a physical failure. Network and/or subnetwork virtual routes are being added to the interface.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4972E   Incorrect *type* **value:** *value*

Explanation: In the entry for the ETC GATEWAYS file, the options definition contains an incorrect value. Although other options may be processed normally, the incorrect option is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ETC GATEWAYS file.

DTCRTD4973E   Unknown interface name (*interface* **) and/or address (** *ip_addr* **)**

Explanation: In the entry for the ETC GATEWAYS file, the options definition contains interface information that is not in RouteD's interface table. Most likely, the interface name is misspelled or its internet address is specified incorrectly. Although other options may be processed normally, the incorrect option is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ETC GATEWAYS file.

DTCRTD4974I   Issuing Kill Route Messages

Explanation: RouteD has detected an outage on a primary or alternate adapter and is issuing an alert 'Kill Route Messages' to adjacent routers over another interface providing the redundant path. This alert is used to notify adjacent routers to remove their routes to the failing adapter so that they can receive new routing information from the new interface and perform routing switches immediately.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD4975E   Cannot establish communication services with the TCP/IP stack

Explanation: The BEGINtcpIPservice routine failed when RouteD attempted to establish a connection to the TCP/IP stack.

System Action: RouteD ends abnormally.

User or Operator Response: Notify the system programmer about the problem.

System Programmer Response: Verify the TCP/IP stack is operational. If necessary, restart the TCP/IP server.

DTCRTD6000E   SMSG Command from *user_id* **:** *command*

Explanation: An SMSG command request was received from the indicated user ID.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD6001E   SMSG Command from *user_id* **: user not authorized**

Explanation: The listed user ID was not found in the OBEY list. Only user IDs that are defined in the OBEY list are authorized to issue SMSG commands to the RouteD server.

System Action: RouteD continues.

User or Operator Response: Notify the system programmer about this action, if warranted.

System Programmer Response: If this user should have this authority, then update the OBEY list. See *TCP/IP Planning and Customization* for more information.

DTCRTD6020I   SMSG SHUTDOWN command issued by *user_id*

Explanation: The SMSG SHUTDOWN command was received. The RouteD server will be immediately shutdown.

System Action: RouteD ends normally.

User or Operator Response: None.

System Programmer Response: The RouteD server will be autologged by the TCP/IP stack if suitable definitions are present in the TCP/IP configuration file (PROFILE TCPIP). If not, then the server will have to be manually restarted using the ROUTED command.

DTCRTD8479I   Request on *interface* **ignored, supply is suppressed**

Explanation: RouteD received a request for tables on *interface* but supply has been disabled due to a filter in the ETC GATEWAYS file. The route request will not be honored on that *interface*.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Check the ETC GATEWAYS file. If this is not the desired result of filtering, change the ETC GATEWAYS file and restart RouteD.

DTCRTD8481W   Unknown next hop address *ipaddress* **for route** *destination* **from router** *router*

Explanation: An unknown next hop address *ipaddress* was received in a RIP packet for a route to *destination* from *router*. The route is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD8482I   Address is experimental or has nonzero port

Explanation: An incorrect internet address was encountered, which is either in an experimental address class or is using an unusual port number (Routing Information Protocol (RIP) packets only). The address is being validated to ensure that a network user does not pretend to be a router in order to change the routing table of nearby routers. The route entry is discarded since the address is not considered a valid destination address for a route.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Identify the machine or user that generated the packet in question and correct the problem.

ROUTED Messages

DTCRTD8483W Incorrect internet address

Explanation: An internet address in an incoming route is not a member of any defined internet address class. The route is discarded.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Locate the router that originated the packet and correct the problem.

DTCRTD8484W A 'must-be-zero' field is nonzero

Explanation: An internet address in an incoming route contains a nonzero value in a field which must be zero. The incoming route is discarded.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Locate the router that originated the packet and correct the problem.

DTCRTD8485I Response from non-router *ipaddress*

Explanation: A Routing Information Protocol (RIP) response packet was received with an incorrect port number. All routers on a network must agree on the port number used to exchange routing information, and this port must be restricted so that other applications cannot generate routing updates. Either a router is configured using the wrong port number or an application is issuing RIP routing updates. The RIP response is discarded.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Reconfigure the router to use a correct port number and locate the application that is generating the updates and correct the problem.

DTCRTD8486E Incorrect routing filter mask '*mask***'**

Explanation: In the entry for the RouteD ETC GATEWAYS file, the gateway definition has an invalid route filter mask. The mask must be either a resolvable mask name or a 32-bit value in dotted decimal notation. The gateways entry is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ETC GATEWAYS file.

DTCRTD8487W Unable to open ROUTED CONFIG (*config***)**

Explanation: A ROUTED CONFIG file was not specified or could not be opened. This message indicates which file the open was attempted on.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: ROUTED CONFIG is a configuration file that defines how the RouteD server will send and receive packets (RIP version 1 and/or RIP version 2).

Note: Only the first file in the search order that can be opened will be read to determine the ROUTED CONFIG.

DTCRTD8488I Opening ROUTED CONFIG (*config***)**

Explanation: The specified ROUTED CONFIG file is being opened for processing.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD8489S Unknown keyword (*keyword***) in ROUTED CONFIG**

Explanation: An unknown *keyword* was used in a statement in the ROUTED CONFIG. The statement is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ROUTED CONFIG file.

DTCRTD8490W Unknown RIP *rip_control* **control value (***value***)**

Explanation: The RIP control values (supply or receive), specified on the RIP_SUPPLY_CONTROL or RIP_RECEIVE_CONTROL entry in the ROUTED CONFIG, or specified on the options statement entry for an interface, are incorrect. RouteD will default the RIP supply control to 'RIP1' and the receive control to 'ANY'.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ROUTED CONFIG or ETC GATEWAYS file by specifying a supported supply or receive control value.

DTCRTD8491S RIP2 authentication key exceeds maximum allowed or contains unsupported characters

Explanation: The RIP Version 2 authentication key, specified on the RIP2_AUTHENTICATION_KEY entry in the ROUTED CONFIG, or on the options statement entry in the ETC GATEWAYS file for an interface, is incorrect. The authentication key may contain unsupported characters, exceed the maximum 16 characters allowed, or not be enclosed in quotes. The authentication key is ignored and no authentication check is performed.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ROUTED CONFIG or ETC GATEWAYS file.

DTCRTD8492S Ignore SOURCEVIPA option cannot be enabled on the socket

Explanation: An attempt failed to set the IBM socket option to ignore source VIPA addresses in outbound IP datagrams for RIP packets. VIPA addresses cannot be used as source IP addresses since adjacent routers rely on real (physical) IP addresses to determine gateway addresses for their routing tables; otherwise, adjacent routers will discard the RIP packets.

System Action: RouteD ends abnormally.

User or Operator Response: None.

System Programmer Response: Contact your IBM Software Support Center.

DTCRTD8493I   **Interface** *interface* **skipped, supply is**
                  suppressed

Explanation: Broadcasting of routing information is being
suppressed for the specified interface. For this reason, the interface
is being skipped while RouteD is supplying routing information to the
list of interfaces. An interface supply option, defined in the RouteD
ETC GATEWAYS file, determines whether or not RouteD supplies
routing information over an interface.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD8494I   *rip_control rip_version* **packets from**
                  address_destination **on interface** *interface* **not**
                  allowed

Explanation: A RIP Version 1 or Version 2 packet is ignored,
depending on the settings of the RIP supply or receive controls
specified in the ETC GATEWAYS file or the ROUTED CONFIG file.
If there are no RIP control settings for an interface, RouteD will use
those from the configuration file.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ROUTED CONFIG or
ETC GATEWAYS file.

DTCRTD8495I   **RIP2 packet from router** *router* **not authorized**

Explanation: A RIP Version 2 packet, received from *router*, is
ignored due to an authentication key mismatch. Authentication is
enabled for RIP Version 2 packets according to the interface options
in ETC GATEWAYS file, or ROUTED CONFIG file. If there are no
interface settings, RouteD will use the one from the configuration file.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD8496E   **Gateway address '**address**' not a routing**
                  interface in the network

Explanation: The indicated route, defined in RouteD's ETC
GATEWAYS file, referenced an unknown routing interface based
upon the gateway address. The route definition is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ETC GATEWAYS
file. Verify that the gateway address is correct and a valid routing
interface is defined.

DTCRTD8497I   *option value*

Explanation: The ROUTED CONFIG has been read and the *option*
and its associated *value* are displayed.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD8498I   **RIP2 authentication** *action* **at** *level* **level**
                  (interface**)**

Explanation: RIP Version 2 authentication is enabled or disabled at
the specified level for an interface or for all interfaces.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: None.

DTCRTD8499E   **Incorrect subnetwork mask '**mask**'**

Explanation: In the line entry for ETC GATEWAYS file, the
gateway definition has a subnet mask that is not valid. The subnet
mask must be a bit mask in dotted-decimal notation. The bits must
be contiguous in the network portion of the subnet mask The ETC
GATEWAYS entry is ignored.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Correct the ETC GATEWAYS
file.

DTCRTD8500E   **Config error: The RouteD server virtual**
                  machine is not defined in the OBEY list

Explanation: This message indicates that the virtual machine
running the RouteD server is not defined in the OBEY statement in
the TCP/IP configuration file (PROFILE TCPIP).

System Action: RouteD ends abnormally.

User or Operator Response: None.

System Programmer Response: Add the user ID of the RouteD
server virtual machine to the OBEY list by updating the OBEY
statement in the TCP/IP configuration file. The TCPIP and RouteD
servers must be restarted for this change to take effect. To avoid
restarting the TCPIP server, use the OBEYFILE command.

DTCRTD8501W   **VARSUBNETTING parameter not specified,**
                  resetting RIP SUPPLY CONTROL: RIP1

Explanation: The RIP SUPPLY CONTROL value in the RouteD
configuration file specified a RIP Version 2 option, which requires the
VARSUBNETTING parameter of the ASSORTEDPARMS statement
in the TCP/IP configuration file.

System Action: RouteD continues.

User or Operator Response: None.

System Programmer Response: Add the VARSUBNETTING
parameter to the ASSORTEDPARMS statement in the TCP/IP
configuration file. The TCPIP and RouteD servers must be restarted
for this change to take effect. To avoid restarting the TCPIP server,
use the OBEYFILE command.

Chapter 13. Site Table Configuration Messages

TESTSITE Messages

This section contains TESTSITE messages.

No gateway named *gateway*

Severity: Error.

Explanation: There are no GATEWAY entries for the specified name in the HOSTS ADDRINFO and HOSTS SITEINFO files.

System Action: The program continues and prompts the user for the next name.

User or Operator Response: Correct the HOSTS LOCAL file and rebuild the HOSTS ADDRINFO and HOSTS SITEINFO files with MAKESITE, as necessary. This is not a fatal case.

Source File: CMTSITE PASCAL

Procedure Name: DoIt

No host named *host*

Severity: Error.

Explanation: There are no HOST entries for the specified name in the HOSTS ADDRINFO and HOSTS SITEINFO files.

System Action: The program continues and prompts the user for the next name.

User or Operator Response: Correct the HOSTS LOCAL file and rebuild the HOSTS ADDRINFO and HOSTS SITEINFO files with MAKESITE, as necessary. This is not a fatal case.

Source File: CMTSITE PASCAL

Procedure Name: DoIt

No net named *net*

Severity: Error.

Explanation: There are no NET entries for the specified name in the HOSTS ADDRINFO and HOSTS SITEINFO files.

System Action: The program continues and prompts the user for the next name.

User or Operator Response: Correct the HOSTS LOCAL file and rebuild the HOSTS ADDRINFO and HOSTS SITEINFO files with MAKESITE, as necessary. This is not a fatal case.

Source File: CMTSITE PASCAL

Procedure Name: DoIt

MAKESITE Messages

Address hash table overflow on host

Severity: Error.

Explanation: The *AddrTableSize* variable was exceeded for the host address hash table.

System Action: The program continues after displaying this message.

User or Operator Response: Correct the problem identified on the listed line and continue. If the problem persists, contact the IBM Support Center.

Source File: CMMAKSI PASCAL

Procedure Name: Insert

Line *LineNumber*: **bad address syntax**

Severity: Error.

Explanation: A bad IP address was found in the input file. The program procedure found a value different from the required IP address in dotted decimal notation.

System Action: The program continues after displaying this message.

User or Operator Response: Correct the problem identified on the listed line and continue.

Source File: CMMAKSI PASCAL

Procedure Name: GetAddress

Line *LineNumber*: **hash table overflow**

Severity: Error.

Explanation: Data contained in the listed line number of the input file caused a hash table overflow because the *SiteTableSize* variable was exceeded. This message is followed by another message indicating that this is a fatal error condition.

System Action: The program continues after displaying this message.

User or Operator Response: Correct the problem identified on the listed line and continue. If the problem persists, contact the IBM Support Center.

Source File: CMMAKSI PASCAL

Procedure Name: LookUp

Line *LineNumber*: **no address specified**

Severity: Error.

Explanation: The listed line number in the input file did not contain one valid address.

System Action: The program continues after displaying this message.

User or Operator Response: Correct the problem identified on the listed line and continue.

Source File: CMMAKSI PASCAL

Procedure Name: ParseLine

MAKESITE Messages

Line *LineNumber*: **no name field**

Severity: Error.

Explanation: The listed line number in the input file did not contain a name field.

System Action: The program continues after displaying this message.

User or Operator Response: Correct the problem identified on the listed line and continue.

Source File: CMMAKSI PASCAL

Procedure Name: ParseLine

DTCMAK52I Size of SITE table exceeds the capacity of
           MAKESITE.
DTCMAK53I Maximum size of SITE table: <xxx>
DTCMAK54I Computed SITE table size: <yyy>
DTCMAK58E MAKESITE Terminating Abnormally

Severity: Error.

Explanation: These messages are issued as a group. This indicates that the HOSTS LOCAL file contained too many sitenames.

xxx Maximum size allowed for SITE table

yyy Computed size of SITE table

System Action: MAKESITE terminates with a return code of 255.

System Programmer Response: Ensure that the correct HOSTS LOCAL file is being used and that the format of the entries are correct. If error persists, then decrease the number of SITE names in the HOSTS LOCAL file.

Source File: CMMAKSI PASCAL

DTCMAK55I Size of ADDR table exceeds the capacity of
           MAKESITE.
DTCMAK56I Maximum size of ADDR table: <xxx>
DTCMAK57I Computed ADDR table size: <yyy>
DTCMAK58E MAKESITE Terminating Abnormally

Severity: Error.

Explanation: These messages are issued as a group; they indicate that the HOSTS LOCAL file contained too many internet addresses.

xxx Maximum size allowed for ADDR table

yyy Computed size of ADDR table

System Action: MAKESITE terminates with a return code of 255.

System Programmer Response: Ensure that the correct HOSTS LOCAL file is being used and that the format of the entries are correct. If error persists, then decrease the number of Address entries in the HOSTS LOCAL file.

Source File: CMMAKSI PASCAL

Line *LineNumber*: **no type specified**

Severity: Error.

Explanation: The listed line number in the input file had a null type field.

System Action: The program continues after displaying this message.

User or Operator Response: Correct the problem identified on the listed line and continue.

Source File: CMMAKSI PASCAL

Procedure Name: ParseLine

Line *LineNumber*: **only** *Fields* **fields**

Severity: Error.

Explanation: The number of listed field terminators was less than the required minimum of three for the listed line number in the input file.

System Action: The program continues after displaying this message.

User or Operator Response: Correct the problem identified on the listed line and continue.

Source File: CMMAKSI PASCAL

Procedure Name: ParseLine

Line *LineNumber*: **unknown type** *BadType*

Severity: Error.

Explanation: The listed line number in the input file was not null and did not contain HOST, GATEWAY, or NET in the type field.

System Action: The program continues after displaying this message.

User or Operator Response: Correct the problem identified on the listed line and continue.

Source File: CMMAKSI PASCAL

Procedure Name: ParseLine

DTCMAK52I Size of SITE table exceeds the capacity of
           MAKESITE.
DTCMAK53I Maximum size of SITE table: <xxx>
DTCMAK54I Computed SITE table size: <yyy>
DTCMAK58E MAKESITE Terminating Abnormally

Severity: Error.

Explanation: These messages are issued as a group; this indicates that the HOSTS LOCAL file contained too many sitenames.

xxx Maximum size allowed for SITE table

yyy Computed size of SITE table

System Action: MAKESITE terminates with a return code of 255.

System Programmer Response: Ensure that the correct HOSTS LOCAL file is being used and that the format of the entries are correct. If error persists, then decrease the number of SITE names in the HOSTS LOCAL file.

Source File: CMMAKSI PASCAL

DTCMAK55I Size of ADDR table exceeds the capacity of
           MAKESITE.
DTCMAK56I Maximum size of ADDR table: <xxx>
DTCMAK57I Computed ADDR table size: <yyy>
DTCMAK58E MAKESITE Terminating Abnormally

Severity: Error.

Explanation: These messages are issued as a group; this indicates that the HOSTS LOCAL file contained too many internet addresses.

xxx Maximum size allowed for ADDR table

yyy Computed size of ADDR table

System Action: MAKESITE terminates with a return code of 255.

System Programmer Response: Ensure that the correct HOSTS LOCAL file is being used and that the format of the entries are correct. If error persists, then decrease the number of Address entries in the HOSTS LOCAL file.

Source File: CMMAKSI PASCAL

Unable to read HOSTS LOCAL *.

Severity: Error.

Explanation: TCP/IP could not find the HOSTS LOCAL file on any of the accessed minidisks.

System Action: The program halts after displaying the message.

User or Operator Response: Rerun MAKESITE after you ensure that access to the HOSTS LOCAL file is available.

Source File: CMMAKSI PASCAL

Procedure Name: StartUp

Warning: line *LineNumber* **has too many addresses; only the first** *MAXsiteADDRESSES* **will be stored.**

Severity: Warning.

Explanation: The listed line number in the input file contained more addresses than the number allowed by the listed *MAXsiteADDRESSES* variable.

System Action: The program continues after displaying this message.

User or Operator Response: Correct the problem identified in the listed line and continue.

Source File: CMMAKSI PASCAL

Procedure Name: ParseLine

Warning: line *LineNumber* **has too many names; only the first** *Number* **will be stored.**

Severity: Warning.

Explanation: The listed line number in the input file contained more names than the number allowed by the listed hbound(names) variable.

System Action: The program continues after displaying this message.

User or Operator Response: Correct the problem identified in the listed line and continue.

Source File: CMMAKSI PASCAL

Procedure Name: ParseLine

Warning: line *LineNumber* **truncated to** *MAXline* **characters**

Severity: Warning.

Explanation: A line has been truncated because it is longer than the MaxLine constant. Comments are ignored when determining the length of a line.

System Action: The program continues after displaying this message.

User or Operator Response: If this truncation condition is unacceptable, correct the problem before continuing.

Source File: CMMAKSI PASCAL

Procedure Name: GetLine

Warning name lost: *Name*

Severity: Warning.

Explanation: The listed name was lost during program processing. This message is issued only if the *WarnMe* flag has been set to true with the WARN option.

System Action: The program continues after displaying this message.

User or Operator Response: Determine the cause of the problem; correct it, if necessary, and continue.

Source File: CMMAKSI PASCAL

Procedure Name: ProcessAdr

Warning name lost: *Name*

Severity: Warning.

Explanation: The listed name was lost during program processing. This message is issued only if the *WarnMe* flag has been set to true with the WARN option.

System Action: The program continues after displaying this message.

User or Operator Response: Determine the cause of the problem; correct it, if necessary, and continue.

Source File: CMMAKSI PASCAL

Procedure Name: MergeNames

Warning: *Name1* **agrees with** *Name2* **in the first** *CMSwordLIMIT* **characters**

Severity: Warning.

Explanation: This message indicates a possible PseudoDuplicate name condition. This message is issued only if the *WarnMe* flag has been set to true with the WARN option.

System Action: The program continues after displaying this message.

User or Operator Response: If this condition is unacceptable, correct the problem before continuing.

Source File: CMMAKSI PASCAL

Procedure Name: LookUp

**** Fatal error: MakeSite aborted

Severity: Fatal.

Explanation: Data contained in the listed line number of the input file caused a hash table overflow because the SiteTableSize variable was exceeded. This message follows the message that indicated the specific cause of the problem.

System Action: The program halts after displaying the message.

User or Operator Response: Correct the problem identified in the listed line and continue. If the problem persists, contact the IBM Support Center.

Source File: CMMAKSI PASCAL

Procedure Name: LookUp

Chapter 14. SMTP Messages

This chapter contains Simple Mail Transfer Protocol (SMTP) messages, SMTP reply code messages, and SMTPRSCS messages.

SMTP Server Messages

An unexpected Sever was received from *SPL.

Severity: Error.

Explanation: SMTP encountered an unexpected Sever from the *SPL system service

System Programmer Response: If this problem occurs frequently, contact your system support personnel.

System Action: SMTP continues processing. The spool file that was in process when the Sever occurred will be retried.

Source File: SMTPINTR PASCAL

Procedure Name: HandleIUCV

| **BSMTP spool file processing has been temporarily suspended.**
| **The server A-disk is above 90% full.**

| **Severity:** Warning.

| **Explanation:** The SMTP A-disk is above 90% full, so spool files will
| not be processed until sufficient A-disk space becomes available.
| This allows SMTP to deliver mail that is already saved on this disk,
| so that additional space on the A-disk will again be available. When
| the A-disk becomes less than 90% full, spool file processing will
| resume.

| **System Programmer Response:** None.

| **System Action:** The program continues, but future spool files are
| not received until additional space is available on the server's A-disk.

| **Source File:** SMTPUTIL PASCAL

| **Procedure Name:** CheckDiskFull

Compiled-in. Unable to load: *TranslateTable*

Severity: Warning.

Explanation: The SMTP server was unable to read the *TranslateTable* translation table. Instead, SMTP uses the default translation table that is compiled into SMTP.

System Programmer Response: Correct the configuration so that SMTP has access to a valid translation table, and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: OpenOutputStreams

Deleting Spool File from *UserID* **at** *NodeID*

Severity: Warning.

Explanation: This warning message is output to the SMTP batch log to indicate that a spool file from the listed *UserID@NodeID* origin is being deleted, because the user ID started with an asterisk (*) character.

System Programmer Response: Determine the origin of the mail. Normally this message can be ignored.

System Action: SMTP continues.

Source File: SMTPBTCH PASCAL

Procedure Name: MakeBatchSMTPErrorFile

Deleting Spool File from undetermined origin

Severity: Warning.

Explanation: This message is output to the SMTP batch log to indicate that a spool file from an undetermined RSCS origin is being deleted. SMTP does not accept an RSCS spool file, unless SMTP can determine the RSCS spool file's origin.

System Programmer Response: Determine why SMTP is receiving RSCS files without an RSCS TagUserid or TagNodeid, and correct the problem.

System Action: SMTP continues.

Source File: SMTPBTCH PASCAL

Procedure Name: MakeBatchSMTPErrorFile

Delivery of Note *AddrFile.fscbfn* **to** *AddrString* **failed RC =** *ReturnCode*

Severity: Warning.

Explanation: SMTP sends this message to the server console to indicate that the identified note was not successfully transferred to the listed addressee for the listed return code reason. This condition can occur if SMTP tries to punch a file to an invalid user ID, or if SMTP tries to punch a file with a header with more than 80 characters to a mailer running `mailer old`.

System Programmer Response: Determine the reason for this failure, correct it, and try again.

System Action: SMTP continues.

Source File: SMTPQUEU PASCAL

Procedure Name: DeliverSpoolFile

Disk Almost Full. Spool File: *Spoolid* **placed in HOLD status**

Severity: Warning.

| **Explanation:** SMTP issues this message when the amount of free
| space on the server's A-disk is low enough that the server may not
| be able to completely process a piece of mail. This is only
| applicable to mail being received from SMTP's reader (batch mode).
| The amount of disk space required to process a piece of mail is
| between 3 and 4 times the size of the piece of mail for large pieces
| of mail. The server will be able to process other, smaller pieces of
| mail.

| **System Programmer Response:** Increase the free space on the
| SMTP server's A-disk by removing unwanted files or allocating a
| larger minidisk. Ensure that you do not destroy any files required for
| SMTP's operation or any mail files that you want delivered. Spool
| files placed in user hold status must be manually changed back to
| nohold status before they will be processed.

| **System Action:** The program continues. The spool file *spoolid* is
| placed in user hold status.

Source File: SMTPBTCH PASCAL

Procedure Name: ServiceReader

SMTP Server Messages

Disk Full. Spool File: *Spoolid* **RC =** *ReturnCode* **placed in HOLD status**

Severity: Error.

Explanation: SMTP sends this message to the server console to indicate that working storage capacity on the server's A-disk has been exceeded by the listed spool file, for the listed return code reason.

System Programmer Response: Free up enough disk space on the server machine to allow necessary program functions to take place. If you cannot free enough disk space, you can expand and reformat the A-disk on the server machine.

System Action: The program continues, but future spool files are not received until space is available on the server's A-disk.

Source File: SMTPBTCH PASCAL

Procedure Name: ServiceReader

Duplicate Primary_NickName mapping detected. Duplicate Primary_MBox mapping detected.

Severity: Warning.

Explanation: A duplicate Primary_NickName or Primary_MBox was detected in the SMTP SECTABLE file. Only one Primary_NickName and Primary_MBox is allowed for each different nickname in the file.

System Programmer Response: Correct the specified nickname entries in the SMTP SECTABLE file, and restart SMTP.

System Action: SMTP continues.

Source File: SMTPSEC PASCAL

Procedure Name: SecurityTableErrors

Error detected during CMSIUCV Connect to *SPL, RC = *Return Code*

Severity: Error.

Explanation: SMTP encountered an error while attempting to Connect to the *SPL system service.

System Programmer Response: Identify the problem with the CMSIUCV Connect by looking up the return code. If the problem is something that cannot be corrected, contact your system support personnel.

System Action: SMTP continues processing. The Connect to *SPL will be retried.

Source File: SMTPBTCH PASCAL

Procedure Name: ServiceReader

HNDIUCV SET failed with RC = *ReturnCode***, IUCV functions cannot be performed**

Severity: Error.

Explanation: SMTP encountered an error while attempting to issue the HNDIUCV SET macro.

System Programmer Response: Identify the problem with the HNDIUCV SET by looking up the return code. Correct the problem with HNDIUCV SET and restart the server.

System Action: SMTP terminates.

Source File: SMTP PASCAL

Procedure Name: Mainloop

Error in RDCARD routine: *Spoolid* **RC=** *ReturnCode* **transferred to:** *PostMasterId*

Severity: Error.

Explanation: SMTP sends this message to the server console to indicate SMTP was unable to read the specified spool file from its reader.

System Programmer Response: The problem is probably not in SMTP, but in the RECEIVE command. Verify that RECEIVE is working correctly. If the problem cannot be determined, contact the IBM Support Center for assistance.

System Action: SMTP continues, but the spool file processing terminates abnormally.

Source File: SMTPBTCH PASCAL

Procedure Name: ServiceReader

Error in SMTP NAMES file:

Severity: Error.

Explanation: This message indicates a problem with the SMTP NAMES file. Additional error messages should follow to further explain the error.

System Programmer Response: Use the accompanying error messages to determine the problem.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: ReplySyntaxError

Error: No primary mapping of address: *UserID@ Nodeid* **has been defined.**

Severity: Error.

Explanation: This message indicates the SMTP SECTABLE security table is incorrectly configured. One or more nicknames were added for the specified RSCSuserid and RSCSnodeid without specifying a *Primary_Mailbox*. Exactly one of the nicknames must be marked as the *Primary_Mailbox* with the letter Y in the *primary_mbox?* field.

System Programmer Response: Correct the SMTP SECTABLE security table and restart SMTP.

System Action: SMTP halts.

Source File: SMTPSEC PASCAL

Procedure Name: CheckSecurityTable

Error: No primary mapping of nickname: *nickname* **has been defined.**

Severity: Error.

Explanation: This message indicates the SMTP SECTABLE security table is incorrectly configured. A nickname was added for the specified RSCSuserid and RSCSnodeid without specifying a *Primary_Nickname*. Exactly one of the RSCSuserid and RSCSnodeid pairs must be marked as the *Primary_Nickname* with the letter Y in the *primary_mbox?* field.

System Programmer Response: Correct the SMTP SECTABLE security table and restart SMTP.

System Action: SMTP halts.

Source File: SMTPSEC PASCAL

Procedure Name: CheckSecurityTable

Expecting NodeId but found none.

Severity: Error.

Explanation: The *nodeid* parameter was omitted on the specified line of the SMTP SECTABLE security table. The *userid* and *nodeid* parameters are required for each entry in the security table.

System Programmer Response: Correct the SMTP SECTABLE security table and restart SMTP.

System Action: SMTP continues.

Source File: SMTPSEC PASCAL

Procedure Name: SecurityTableErrors

Fatal Error: Unable to find SMTP SECTABLE but SECURE option was specified.

Severity: Fatal.

Explanation: The SECURE option was specified in the SMTP CONFIG configuration file, but the SMTP program did not have access to the SMTP SECTABLE file.

System Programmer Response: Ensure that a valid SMTP SECTABLE file is accessed and restart SMTP.

System Action: SMTP halts.

Source File: SMTPSEC PASCAL

Procedure Name: ReadSecurityTable

Fatal Errors found in SMTP Security Table...Halting!

Severity: Fatal.

Explanation: The SECURE option was specified in the SMTP CONFIG configuration file but the SMTP program found syntax errors in the SMTP SECTABLE file.

System Programmer Response: Correct the specified errors in the SMTP SECTABLE file and restart SMTP.

System Action: SMTP halts.

Source File: SMTPSEC PASCAL

Procedure Name: CheckSecurityTable

Initial CMSIUCV Connect to *SPL failed, RC = *Return Code*

Severity: Error.

Explanation: SMTP encountered an error during the initial Connect to the *SPL system service.

System Programmer Response: Verify that the SMTP Server directory entry contains an 'IUCV *SPL' statement. If it does, identify the problem by looking up the CMSIUCV Connect return code.

System Action: SMTP terminates.

Source File: SMTP PASCAL

Procedure Name: Mainloop

Insufficient Disk space to Convert ADDRBLOK file

Severity: Error.

Explanation: SMTP did not have enough free disk space on its A-disk to convert an old-style ADDRBLOK file.

System Programmer Response: Determine if the A-disk is full. If it is full, delete old files, such as SMTP LOGs, or increase the size of the A-disk. If the A-disk is not full, there may be a problem with the ADDRBLOK file. If the problem persists, contact the IBM Support Center for assistance.

System Action: SMTP halts.

Source File: SMTPRFMT PASCAL

Procedure Name: ReformatAddrBlok

Invalid Address for Mailer: *BadAddress*

Severity: Error.

Explanation: The length of the user ID for the receiving address exceeds 8 characters, which is the maximum allowable VM user ID length for the MAILER option.

System Programmer Response: Correct the erroneous entry in the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Disposition in Restrict command: *BadCommand*

Severity: Error.

Explanation: The disposition specified with the RESTRICT option is not valid. Use only the valid options of PURGE, RETURN, and TRANSFERTO with the RESTRICT option.

System Programmer Response: Correct the erroneous entry in the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid FileMode Specification

Severity: Error.

Explanation: You entered a file mode containing more than 2 characters.

System Programmer Response: Correct the file mode so that it is less than two characters, and restart SMTP.

System Action: SMTP halts.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid filename for 8-bit MIME Support: *FileName*

Severity: Error.

Explanation: On the 8BITMIME statement in the configuration file, you specified an invalid file name. The name may be longer than 8 characters or it may contain invalid characters.

System Programmer Response: Correct the SMTP configuration file so that the file name specified on the 8BITMIME statement is a valid file name, and restart SMTP.

System Action: SMTP halts.

Source File: SMTP PASCAL

Procedure Name: DoMimeSupport

SMTP Server Messages

Invalid FileName Specification

Severity: Error.

Explanation: You entered a file name containing more than 8 characters.

System Programmer Response: Correct the file name so that it is 8 characters or less, and restart SMTP.

System Action: SMTP halts.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid FileType Specification

Severity: Error.

Explanation: You entered a file type containing more than 8 characters.

System Programmer Response: Correct the file name so that it is 8 characters or less, and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid IPMailer Address Specified: *IPaddress*

Severity: Error.

Explanation: The IP address specified in the IPMAILERADDRESS statement of your SMTP configuration file is not correct or not valid.

System Programmer Response: Verify the IP address of the batch SMTP server, and correct the IPMAILERADDRESS statement as necessary. For details, see the *TCP/IP Planning and Customization*.

System Action: The SMTP server is halted until the problem is corrected.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Kanji Option: *BadOption*

Severity: Error.

Explanation: You specified an invalid option for the KANJI option in the configuration file. The only valid options for this field are JIS1983 or JIS1978.

System Programmer Response: Correct the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Kanji to Single Option: *BadOption*

Severity: Error.

Explanation: You specified an invalid option for the KANJI option in the configuration file. The only valid options for this field are JISROMAN or ASCII.

System Programmer Response: Correct the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Local Delivery Format: *BadFormat*

Severity: Error.

Explanation: You specified an invalid delivery format for the LOCALFORMAT option in the configuration file. The only valid delivery formats are NETDATA and PUNCH.

System Programmer Response: Correct the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid LOG file destination: *BadDestination*

Severity: Error.

Explanation: You specified an invalid destination for the LOG option in the configuration file. The only destinations are DISK and SPOOL.

System Programmer Response: Correct the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Looping Mail Userid: *BadUserID*

Severity: Error.

Explanation: You specified a user ID that does not exist for the LOOPINGMAIL option in the configuration file.

System Programmer Response: SMTP uses the CP SPOOL PUNCH TO *userid* command to determine if the user ID exists. Verify that this user ID exists, and that SMTP is able to punch files to it. Otherwise, correct the SMTP configuration file, specifying a valid user ID, and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Mailer Option: *BadOption*

Severity: Error.

Explanation: You specified an invalid option for the MAILER option in the configuration file. The only valid choices for this option are NEW, FOLDNOSOURCEROUTE, or OLD.

System Programmer Response: Correct the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Mailer Option: *BadOption*

Severity: Error.

Explanation: You specified an invalid option for the MAILER option in the configuration file. The only valid choices for this option are LOCAL or NOLOCAL.

System Programmer Response: Correct the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Mailer Option: *BadOption*

Severity: Error.

Explanation: You specified an invalid option for the MAILER option in the configuration file. The only valid choices for this option are RSCS or NORSCS.

System Programmer Response: Correct the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Mailer Option: *BadOption*

Severity: Error.

Explanation: You specified an invalid option for the MAILER option in the configuration file. The only valid choices for this option are UNKNOWN or NOUNKNOWN.

System Programmer Response: Correct the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Max Mail Bytes: *BadParameter*

Severity: Error.

Explanation: The *number_of_bytes* parameter for the MAXMAILBYTES option is incorrect. It must be a positive integer value between 1 and 2 147 483 647.

System Programmer Response: Correct the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Post Master Userid: *BadUserID*

Severity: Error.

Explanation: You specified a user ID that does not exist for the POSTMASTER option in the configuration file.

System Programmer Response: SMTP uses the CP SPOOL PUNCH TO *userid* command to determine if the user ID exists. Verify that this user ID exists, and that SMTP is able to punch files to it. Otherwise, correct the SMTP configuration file, specifying a valid user ID, and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Record in SMTP SECTABLE (the SMTP Security Table):

Severity: Error.

Explanation: SMTP encountered a syntax error while processing the security table. The next message output is a listing of the erroneous security table record. This message is followed by one or more other messages that describe specific syntax or logic problems with the record.

System Programmer Response: Correct the problems in the security table file and restart SMTP.

System Action: SMTP continues.

Source File: SMTPSEC PASCAL

Procedure Name: SecurityTableErrors

Invalid Rewrite822Header Option: *BadOption*

Severity: Error.

Explanation: You specified an invalid option for the REWRITE822HEADER option in the configuration file. The only valid choices for this option are YES or NO.

System Programmer Response: Correct the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Invalid Rscs Delivery Format: *BadFormat*

Severity: Error.

Explanation: You specified an invalid option for the RSCSFORMAT option in the configuration file. The only valid choices for this option are NETDATA or PUNCH.

System Programmer Response: Correct the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTPPASCAL

Procedure Name: ProcessConfigFile

Invalid Transfer To Userid: *BadUserID*

Severity: Error.

Explanation: You specified a user ID that does not exist for the RESTRICT TRANSFERTO statement in the configuration file.

System Programmer Response: SMTP uses the CP SPOOL PUNCH TO *userid* command to determine if the user ID exists. Verify that this user ID exists, and that SMTP is able to punch files to it. Otherwise, correct the SMTP configuration file, specifying a valid user ID, and restart SMTP. Correct any network problems, as necessary, before you try again.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

SMTP Server Messages

IP Mailer Address   : *IPaddress*

Severity: Informational.

Explanation: This message specifies the current IP address for the IPMAILERADDRESS statement in the SMTP configuration file. If only the MAILER statement is used, the IP address is shown as "Disabled."

System Programmer Response: None

System Action: SMTP continues

Source File: SMTP PASCAL

Procedure Name: OpenOutputStreams

IPMAILERADDRESS statement conflicts with MAILER UNKNOWN statement

Severity: Error

Explanation: The MAILER UNKNOWN statement in your SMTP configuration file is incompatible with the IPMAILERADDRESS statement.

System Programmer Response: Remove the UNKNOWN parameter from the MAILER statement. For details, see the *TCP/IP Planning and Customization*.

System Action: The SMTP server is halted until the problem is corrected.

Source File: SMTP PASCAL

Procedure Name: DoFinalChecks

Local Error in MakeAddrBlok RC = *ReturnCode*

Severity: Error.

Explanation: SMTP did not have enough free disk space on its A-disk to store an ADDRBLOK file.

System Programmer Response: If the A-disk is full, delete old files, such as SMTP LOGS, or increase the size of the A-disk. If the A-disk is not full, there may be a problem with the ADDRBLOK file. If the problem persists, contact the IBM Support Center for assistance.

System Action: SMTP continues.

Source File: SMTPEVNT PASCAL

Procedure Name: StoreData

Looping Mail Transferred to *LoopingMailId*

Severity: Error.

Explanation: SMTP sends this message to the console error log to indicate that SMTP encountered a looping mail condition. This condition exists because the number of mailing attempts has exceeded the looping mail threshold limit. The mail in question is transferred to the listed user ID.

System Programmer Response: The user should examine the piece of looping mail to see which user ID is causing the error. Because this problem frequently occurs between the SMTP server and a MAILER, both should be examined for configuration errors.

System Action: SMTP continues.

Source File: SMTPBTCH PASCAL

Procedure Name: MakeBatchSMTPErrorFile

Nickname: *Nickname*   Address: *Address*

Severity: Error.

Explanation: SMTP encountered a PARSEPATH syntax error. The error is described by previous messages. This message displays the erroneous entry in the SMTP NAMES file that caused the problem.

System Programmer Response: Correct the erroneous entry in the SMTP NAMES file before you try again.

System Action: SMTP continues.

Source File: SMTPNAME PASCAL

Procedure Name: ValidateAddress

NonExistent: *ReturnCode*

Severity: Error.

Explanation: The connection no longer exists for the listed return code reason. The connection could have been dropped because of a software error on the remote SMTP server, or a routing or connectivity problem in the internet network.

System Programmer Response: Normally, no action is necessary. The mail is delivered automatically at a later time when connectivity is restored. If the problem persists, check for a software error in the remote SMTP server, or a problem in the piece of mail itself. For example, if a user tries to send a binary piece of SMTP mail, some host's SMTP servers crash or abnormally close the connection.

System Action: SMTP continues.

Source File: SMTPEVNT PASCAL

Procedure Name: CloseCompletedEvent

Null Spool File: *Spoolid* RC= *ReturnCode* transferred to: *PostMasterId*

Severity: Error.

Explanation: SMTP sends this message to the server console to indicate that the specified spool file had a null length, or contained no records. The spool file is transferred to the Postmaster for the system.

System Action: SMTP continues but the spool file processing terminates abnormally.

System Programmer Response: Determine the origin of the null spool file and correct the problem.

Source File: SMTPBTCH PASCAL

Procedure Name: ServiceReader

Option Conflict: SECURE and RESTRICT may not both be specified

Severity: Error.

Explanation: You cannot use the options SECURE and RESTRICT together because they are incompatible.

System Programmer Response: Correct the configuration file and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Primary_NickName mapping must be 'Y' or 'N' but found: *TokenStr* **Primary_MBox mapping must be 'Y' or 'N' but found:** *BadInput*

Severity: Error.

Explanation: SMTP found a character string other than Y or N for the *Primary_NickName* or *Primary_MBox* fields in the SMTP SECTABLE security file. Only the characters, Y and N, are valid.

System Programmer Response: Correct the SMTP SECTABLE security file, and restart SMTP.

System Action: SMTP continues.

Source File: SMTPSEC PASCAL

Procedure Name: SecurityTableErrors

Protocol Error. l= /️ Bytes Received = *BytesReceived*

Severity: Error.

Explanation: This error message is output at the local console to indicate that the sender's mail was not successfully delivered because of a protocol problem. The SMTP server received the string, `<CR><LF>.<CR><LF>`, followed by additional data. The string, `<CR><LF>.<CR><LF>`, is used to specify the end of the data; thus, the client SMTP server is in error. The data is accepted, and the client SMTP server waits for an additional `<CR><LF>.<CR><LF>`.

System Programmer Response: Describe the problem to the postmaster of the SMTP server that is sending the incorrectly formatted mail.

System Action: SMTP continues.

Source File: SMTPEVNT PASCAL

Procedure Name: StoreDataTableErrors

Rcpt to unknown host: *host*

Severity: Warning.

Explanation: An RCPT TO: command was issued to the listed host machine, and the SMTP server received a negative reply from a domain name server. If the SMTP server is not using a domain name server, the server could not find the specified host name in the site tables.

System Programmer Response: If the host name exists, check the domain name server or site tables for configuration errors, and resend the mail message.

System Action: SMTP continues.

Source File: SMTPRES PASCAL

Procedure Name: ProcessRQR

Rejecting command line too long

Severity: Error.

Explanation: The argument string supplied after a command keyword exceeds the maximum allowable argument string length of 512 characters.

System Programmer Response: If the problem persists, determine what host is sending the bad command line, and correct the SMTP server.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoCommand

Rejecting Spool File *Spoolid* **From** *UserID* **at** *NodeID*

Severity: Warning.

Explanation: SMTP sends this message to the SMTP batch log to indicate that a spool file from the listed user ID and node ID origin is | being rejected, because the spool file is from RSCS, and the SMTP | server is not configured to run as a mail gateway.

System Programmer Response: None.

System Action: SMTP continues.

| **Source File:** SMTPINTR PASCAL

| **Procedure Name:** HandleRestrictedFile

Reply Line too long

Severity: Warning.

Explanation: SMTP sends this message to the server console to indicate that a remote SMTP server's response exceeded the 512-byte limitation specified by RFC 821. VM SMTP accepts the reply and truncates it to 512 bytes.

System Programmer Response: If the problem persists, the postmaster of the remote SMTP server should be notified that its SMTP server is sending replies that are greater than the 512-byte limit.

System Action: SMTP continues.

Source File: SMTPRPLY PASCAL

Procedure Name: DoReply

Invalid value *value* **specified for RcptResponseDelay. Default used.**

Severity: Error.

Explanation: The error is caused either by an invalid value of less than 0 or greater than 86 400, or because NSInterAddr is not coded in the TCPIP DATA file.

System Programmer Response: Correct the SMTP CONFIG file or TCPIP DATA file.

System Action: SMTP continues and uses a default of 60.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Restricting Spool File *Spoolid* **From** *UserID* **at** *NodeID*

Severity: Warning.

Explanation: SMTP sends this message to the SMTP batch log to indicate that a spool file from the listed user ID and node ID origin is being rejected, because the address is in the RESTRICT list.

System Programmer Response: None.

System Action: SMTP continues.

| **Source File:** SMTPINTR PASCAL

| **Procedure Name:** HandleRestrictedFile

Special characters not allowed in nickname

Severity: Error.

Explanation: The specified nickname in the SMTP SECTABLE security file contained special characters. The following characters are defined as special in RFC 822 and cannot be used in nicknames:

```
( ) < > @ , ; : \ \ " . [ ]
```

SMTP Server Messages

System Programmer Response: Correct the specified nickname in the SMTP SECTABLE security table, so that it does not contain any special characters.

System Action: SMTP continues.

Source File: SMTPSEC PASCAL

Procedure Name: SecurityTableErrors

StoreData: entering "discard" mode

Severity: Warning.

Explanation: This error message is output at the local console to indicate that the sender's mail file exceeded the maximum number of ASCII bytes allowed by the MAXMAILBYTES option in the configuration file. The excessively large mail file is flushed. This message is issued before the message that confirms the flushing of the file.

System Programmer Response: Tell the sender to shorten the mail file, or subdivide the file into two or more shorter files that are within the existing MAXMAILBYTES limitation. You can increase the MAXMAILBYTES option value in the SMTP CONFIG configuration file, and tell the sender to try again.

System Action: SMTP continues.

Source File: SMTPEVNT PASCAL

Procedure Name: StoreData

StoreData: leaving "discard" mode

Severity: Warning.

Explanation: SMTP sends this message to the local console to indicate that the sender's mail file exceeded the maximum length specified by the MAXMAILBYTES option in the configuration file. The mail file being processed has been discarded. This message also verifies that an attempt was made to return a message to the mail sender to inform the sender of a configuration problem on the receiving machine.

System Programmer Response: Tell the sender to shorten the mail file, or to subdivide the file into two or more shorter files that are within the existing MAXMAILBYTES limitation. You can increase the MAXMAILBYTES option value in the SMTP CONFIG configuration file, and tell the sender to try again.

System Action: SMTP continues.

Source File: SMTPEVNT PASCAL

Procedure Name: StoreData

Syntax Error. *message*

Severity: Error.

Explanation: An error exists in the SMTP NAMES file. This message is usually accompanied by other error messages, such as, `Error in SMTP NAMES file:`.

System Programmer Response: Correct the specified error in the SMTP NAMES file, and restart SMTP.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: ReplySyntaxError

Syntax Error: args after *strcmd* **command:** *CommandLine*

Severity: Error.

Explanation: SMTP sends this message to the server console when SMTP receives an invalid DATA, QUIT, RSET, NOOP, TURN, or QUEU command. This message indicates that the arguments with these commands are invalid and unnecessary. The invalid argument string is listed at the end of the message.

System Programmer Response: The sender must correct the syntax before resubmitting the command, or issue the HELP command.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoCommand

---

*SPL Error Reading Data. Spool File: *Spoolid* **transferred to** *BadSpoolFileID*

Severity: Error.

Explanation: SMTP encountered an error while attempting to read the spool file using the *SPL system service.

System Programmer Response: Contact your system support personnel

System Action: SMTP continues but the spool file that was being processed terminates abnormally.

Source File: SMTPINTR PASCAL

Procedure Name: HandleIUCV

---

*SPL Error Reading Data. Transfer of spool file *spoolid* **failed, RC =** *rc*. **Spool file remains in reader.**

Severity: Error.

Explanation: SMTP encountered an error while attempting to read the spool file using the *SPL system service. The attempt to transfer the spool file to the BADSPOOLFILEID failed.

System Programmer Response: Look up the return code from the Transfer command to determine why it failed. Contact your system support personnel to determine why the *SPL read failed.

System Action: SMTP continues but the spool file processing terminates abnormally.

Source File: SMTPINTR PASCAL

Procedure Name: HandleIUCV

Invalid DBCS Option: *option*

Severity: Error.

Explanation: An invalid option has been specified in the SMTP CONFIG file for the DBCS statement.

User or Operator Response: Specify a valid option for the DBCS statement and restart SMTP. See the *TCP/IP Planning and Customization* for more information about configuring DBCS support for the SMTP server.

System Action: Program execution continues. DBCS conversion is disabled.

Source File: SMTP PASCAL

Programmer Response: Error

Invalid Kanji shift-in Option: *option*

Severity: Error.

Explanation: An invalid shift-in option has been specified in the SMTP CONFIG file for the DBCS statement. The valid shift-in options for the JIS78KJ and JIS83KJ conversion types are ASCII and JISROMAN.

User or Operator Response: Specify a valid shift-in option for the DBCS statement and restart SMTP. See the *TCP/IP Planning and Customization* for more information about configuring DBCS support for the SMTP server.

System Action: Program execution continues. DBCS conversion is disabled.

Source File: SMTP PASCAL

Programmer Response: Error

DBCS Conversion: *conversion_status*

Severity: Informational.

Explanation: This message indicates the DBCS conversion status for the SMTP server at initialization time. The status indicates the DBCS conversion type that will be used when transferring mail, or "disabled", if DBCS conversion is not configured, or if the required DBCS translation table could not be loaded.

User or Operator Response: If the status is "disabled", and a DBCS translation table could not be loaded, then configure a valid DBCS binary translate table data set in the search order hierarchy for the required DBCS translation table. See the *TCP/IP Planning and Customization* for more information about the loading and customizing of DBCS translation tables.

System Action: Program execution continues. DBCS conversion is either enabled, or disabled, according to the displayed status.

Source File: SMTP PASCAL

Programmer Response: OpenOutputStreams

Date Time #Connection_number **DBCSEtoA Conversion Error**

Severity: Informational.

Explanation: A DBCS EBCDIC to ASCII conversion error occurred when transferring mail using the specified connection number. The body of the transferred mail contained invalid DBCS characters.

User or Operator Response: Use the connection number to determine the originator and destination of the invalid mail. The DEBUG statement may be configured in SMTP CONFIG to aid in matching connection number to mail originator or destination. Check the mail body to see if it contains valid DBCS characters for the DBCS conversion type configured for the SMTP server. See the *TCP/IP Planning and Customization*, and *TCP/IP User's Guide*, for more information about DBCS support in SMTP.

System Action: Program execution continues. DBCS characters in error are transmitted unconverted.

Source File: SMTPRPLY PASCAL

Programmer Response: ResumeFillingDataBuffer

DBCS conversion specified, but no DBCS tables could be loaded

Severity: Error.

Explanation: DBCS conversion is configured for the SMTP server, but the required DBCS translation table could not be loaded.

User or Operator Response: Configure a valid DBCS binary translate table dataset in the search order hierarchy for the required DBCS translation table. See the *TCP/IP Planning and Customization* for more information about the loading and customizing of DBCS translation tables.

System Action: Program execution continues; DBCS conversion is disabled.

Source File: SMTP PASCAL

Programmer Response: OpenOutputStreams

Date Time #Connection_number **DBCSAtoE Conversion Error**

Severity: Informational.

Explanation: A DBCS ASCII to EBCDIC conversion error occurred when transferring mail using the specified connection number. The body of the transferred mail contained invalid DBCS characters.

User or Operator Response: Use the connection number to determine the originator and destination of the invalid mail. The DEBUG statement may be configured in SMTP CONFIG to aid in matching connection number to mail originator or destination. Check the mail body to see if it contains valid DBCS characters for the DBCS conversion type configured for the SMTP server. See the *TCP/IP Planning and Customization*, and *TCP/IP User's Guide*, for more information about DBCS support in SMTP.

System Action: Program execution continues. DBCS characters in error are transmitted unconverted.

Source File: SMTPEVNT PASCAL

Programmer Response: DoDbcsConversion

Terminating: Disk 'A' has 800 byte blocksize.

Severity: Error.

Explanation: The results of interpreting the reply from a CMS QUERY DISK A command indicate that the A-disk block size is 800 bytes. The A-disk block size must be other than 800 bytes for SMTP to complete the InitVars procedure.

System Programmer Response: Back up all the files on SMTP's A-disk, and reformat the disk with a block size other than 800. Seethe *TCP/IP Planning and Customization* for more information.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: InitVars

Terminating: Disk 'A' is read only

Severity: Error.

Explanation: The CMS LISTFILE command resulted in a return code of 36, which means that the A-disk is accessed as a read-only minidisk. For SMTP to perform the InitializeDeliveryQueue procedure, the A-disk must be accessed as a read/write minidisk.

System Programmer Response: Access the SMTP A minidisk in read/mode, and restart SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

SMTP Server Messages

Procedure Name: InitializeDeliveryQueue

Too Many ALTTCPHOSTNAME statements - limit is
MaxAltOurNames

Severity: Error.

Explanation: The number of alternative TCP host name options selected exceeds the maximum number allowed. The maximum number allowed is listed at the end of the message; the default is 16.

System Programmer Response: Reduce the number of ALTTCPHOSTNAME statements in the configuration file and restart SMTP, or increase the parameter *MaxAltOurNames* to the desired number.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Unable to find input file: *FileName FileType FileMode*

Severity: Error.

Explanation: You entered a file name, file type, and file mode for the SMTP configuration file that does not exist on any accessed VM minidisk. Your erroneous input is listed at the end of the message to help in syntax checking.

System Programmer Response: Verify that SMTP has access to the specified file before restarting SMTP.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

| **Unable to find 8-bit MIME translation table:**
| *FileName* **TCPXLBIN ***

| **Severity:** Error.

| **Explanation:** The translation table specified on the 8BITMIME
| statement in the configuration file does not exist on any accessed
| VM minidisk.

| **System Programmer Response:** Verify that this file exists.
| Correct the SMTP configuration file, specifying the correct file name,
| and restart SMTP.

| **System Action:** SMTP halts.

| **Source File:** SMTP PASCAL

| **Procedure Name:** DoMimeSupport

| **Unable to load 8-bit MIME translation table:**
| *FileName* **TCPXLBIN ***

| **Severity:** Error.

| **Explanation:** The translation table specified on the 8BITMIME
| statement in the configuration file could not be loaded because the
| file format is incorrect.

| **System Programmer Response:** Verify that this file is a translation
| table. Correct the SMTP configuration file, specifying a valid
| translation table, and restart SMTP.

| **System Action:** SMTP halts.

| **Source File:** SMTP PASCAL

| **Procedure Name:** DoMimeSupport

Unexpected characters found after nickname

Severity: Error.

Explanation: SMTP found unexpected characters after an entry in the SMTP SECTABLE security table.

System Programmer Response: Remove the extra characters from the SMTP SECTABLE security table, or mark the characters as a comment with the asterisk (*) character.

System Action: SMTP continues.

Source File: SMTPSEC PASCAL

Procedure Name: SecurityTableErrors

Unknown Command: *command*

Severity: Error.

Explanation: The server received an unidentifiable command, which is listed at the end of the message. The allowable or known commands are:

DATA	NOOP	SEND
EHLO	QUEU	SOML
EXPN	QUIT	TICK
HELP	RCPT	TURN
HELO	RSET	VERB
MAIL	SAML	VRFY

System Programmer Response: The sender must correct the syntax before resubmitting the command. If necessary, the user can request online help by entering HELP.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: NoSuchCommand

Unknown Problem: *Spoolid* **RC=** *ReturnCode* **transferred to:**
PostMasterId

Severity: Error.

Explanation: SMTP sends this message to the server console to indicate that the specified spool file could not be received from SMTP's reader. The problem is probably not with SMTP, but rather with the RECEIVE command. The spool file was transferred to the Postmaster for the system.

System Action: SMTP continues but the spool file processing terminates abnormally.

System Programmer Response: Identify the problem with the RECEIVE command or the spool file by looking up the return code from RECEIVE.

Source File: SMTPBTCH PASCAL

Procedure Name: ServiceReader

Unreadable spool file: *Spoolid* **transferred to** *BadSpoolFileID*

Severity: Error.

Explanation: The format of the spool file read from the reader is invalid, the spool file is unreadable

System Programmer Response: None

System Action: SMTP continues but the spool file processing terminates abnormally.

Source File: SMTPBTCH PASCAL

Procedure Name: HandleSPLPathWork

Unreadable spool file: *Spoolid* **RC=** *ReturnCode* **transferred to:** *PostMasterId*

Severity: Error.

Explanation: SMTP sends this message to the server console to indicate that the specified spool file could not be received from SMTP's reader. The problem is probably not with SMTP, but rather with the RECEIVE command. The spool file was transferred to the Postmaster for the system.

System Action: SMTP continues but the spool file processing terminates abnormally.

System Programmer Response: Identify the problem with the RECEIVE command or the spool file by looking up the return code from RECEIVE.

Source File: SMTPBTCH PASCAL

Procedure Name: ServiceReader

Unrecognized option in configuration file: *BadOption*

Severity: Error.

Explanation: The option listed at the end of the message is not one of the allowable valid configuration file options. Refer to the *TCP/IP Planning and Customization* for valid options.

System Programmer Response: Correct the erroneous entry in the configuration file and try again.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

Unregistered BSMTP MAIL FROM: *PrintPath*

Severity: Warning.

Explanation: SMTP sends this message to the batch job log to indicate that unregistered BSMTP mail was received from the listed sender and cannot be processed. This condition exists because the sender is not in the SMTP SECTABLE security table.

System Programmer Response: The sender should obtain authorization to use the secure gateway. To do this the sender must follow instructions in the SECURITY MEMO file, which is returned from the SMTP server machine just before this batch log record.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoMail

Unregistered BSMTP Spool File from *UserID@NodeID*

Severity: Warning.

Explanation: SMTP sends this message to the batch job log to indicate that an unregistered BSMTP spool file was received from the listed sender and cannot be processed. This condition exists because the sender is not in the SMTP SECTABLE security table.

System Programmer Response: The sender should obtain authorization to use the secure gateway. To do this the sender must follow instructions in the SECURITY MEMO file, which is returned from the SMTP server machine just before this batch log record.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoMail

Unregistered RCPT TO: *mailbox*

Severity: Warning.

Explanation: This message is output to the SMTP batch log to indicate that the specified address is not a registered secure gateway user.

System Programmer Response: Update the SMTP SECTABLE security table, as required.

System Action: SMTP continues.

Source File: SMTPRES PASCAL

Procedure Name: ProcessLocal

Unregistered TCP RCPT TO: *mailbox*

Severity: Warning.

Explanation: This message is output to the SMTP batch log to indicate that an attempt to send mail to the specified address failed. The mail was rejected because source routing is not allowed when SMTP is in secure mode.

System Programmer Response: None.

System Action: SMTP continues.

Source File: SMTPRES PASCAL

Procedure Name: ProcessRQR

Unsupported Netdata File: *Spoolid* **RC=** *ReturnCode* **transferred to:** *PostMasterId*

Severity: Error.

Explanation: SMTP sends this message to the server console to indicate that a member of a partitioned data set was sent to the SMTP gateway. SMTP is unable to read members of partitioned data sets; only sequential files are supported.

System Action: SMTP continues but the spool file processing terminates abnormally.

System Programmer Response: Resend the mail file as a sequential file.

Source File: SMTPBTCH PASCAL

Procedure Name: ServiceReader

FileName **ADDRBLOK is in an inconsistent state...repairing**

Severity: Warning.

Explanation: SMTP sends this message to the server console to indicate a problem with the ADDRBLOK file. SMTP attempts to rewrite the ADDRBLOK file in a correct format.

System Programmer Response: Normally, no response is necessary. If SMTP abends while performing this rewrite, the ADDRBLOK may not be recoverable. Rename or discard the ADDRBLOK file to prevent further abends of SMTP.

System Action: SMTP continues.

Source File: SMTPQUEU PASCAL

Procedure Name: EnQueueForDelivery

Invalid Address in Restricted List: *BadAddress*

Severity: Error.

Explanation: SMTP found an invalid address in the RESTRICT list. Addresses must be in the form *userid@nodeid*, with the asterisk character (*) representing wildcards.

System Programmer Response: Correct the erroneous entry in the configuration file and try again.

System Action: SMTP continues.

Source File: SMTP PASCAL

Procedure Name: ProcessConfigFile

| **8-bit MIME Support: YES (** *FileName* **TCPXLBIN *) | NO**

| **Severity:** Informational.

| **Explanation:** This message specifies whether 8-bit MIME support is enabled or disabled. If 8-bit MIME support is enabled, then the 8-bit MIME translation table is also displayed.

| **System Programmer Response:** None.

| **System Action:** SMTP continues.

| **Source File:** SMTP PASCAL

| **Procedure Name:** OpenOutputStreams

SecRecord

Severity: Error.

Explanation: This message displays the erroneous security table record.

System Programmer Response: None.

System Action: SMTP continues.

Source File: SMTPSEC PASCAL

Procedure Name: SecurityTableErrors

SMTP Reply Code Messages

This section contains SMTP reply code messages.

---

451 Local error in processing

Severity: Error.

Explanation: This message is returned to the mail sender from the local host when the sender's mail was not successfully delivered. This message occurs when SMTP is unable to write a mail file to its A-disk because the A-disk is full.

System Programmer Response: Check the SMTP console for additional error messages. If the A-disk is full, remove unnecessary files, such as old SMTP LOGs, or increase the size of the disk.

System Action: SMTP continues.

Source File: SMTPEVNT PASCAL

Procedure Name: StoreData

---

500 Command Line too long

Severity: Warning.

Explanation: You entered a command line that exceeds the maximum allowable argument string-length of 512 characters.

System Programmer Response: Correct the syntax and resubmit the command. If necessary, you can request online help by entering HELP.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoCommand

---

500 Unknown command, *command*

Severity: Error.

Explanation: Error message returned to the sender when an unidentifiable command is received on the server; the command is listed at the end of the message. The allowable or known commands are:

DATA	NOOP	SEND
EHLO	QUEU	SOML
EXPN	QUIT	TICK
HELP	RCPT	TURN
HELO	RSET	VERB
MAIL	SAML	VRFY

System Programmer Response: The sender issues a correct and supported SMTP command. If necessary, the user can request online help by entering HELP.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: NoSuchCommand

---

501 Syntax Error. <CR> **and** <LF> **not permitted in Quoted Text**

Severity: Error.

Explanation: This message is returned to the sender to indicate that a carriage return character or a line feed character was found in a quoted string of text. Carriage returns and line feeds are not allowed in quoted strings, as defined in RFC 821.

System Programmer Response: Correct the quoted string, so that it does not contain carriage returns or line feeds.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: QText

---

501 Syntax Error. *message*

Severity: Error.

Explanation: This message is the prefix for all syntax errors returned to the SMTP client machine.

System Programmer Response: Examine the incorrect command and additional errors to determine the problem with the command.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: ReplySyntaxError

501 Syntax Error. *<snum>* **expected**

Severity: Error.

Explanation: This message is returned to the sender to indicate that the SMTP server expected a valid IP address.

System Programmer Response: Correct the syntax to specify a valid IP address in dotted decimal notation.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: DotNum

---

501 Syntax Error. *<snum>* **must be in range 0..255**

Severity: Error.

Explanation: This message is returned to the sender to indicate that an integer value, 0 through 255, is expected in an IP address. The IP address must be in valid dotted decimal notation.

System Programmer Response: Correct the syntax to specify a valid IP address in dotted decimal notation.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: DotNum

---

501 Syntax Error. *<snum>* **too long**

Severity: Error.

Explanation: This message is returned to the sender to indicate that SMTP expects an IP address of example 4 octets long. The IP address must be in valid dotted decimal notation.

System Programmer Response: Correct the syntax to specify a valid IP address in dotted decimal notation.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: DotNum

---

501 Syntax Error. '.' expected

Severity: Error.

Explanation: This message is returned to the sender to indicate that an IP address was not separated by decimal points. The IP address must be in valid dotted decimal notation.

System Programmer Response: Correct the syntax to specify a valid IP address in dotted decimal notation.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: DotNum

---

501 Syntax Error. '[' expected in PathName

Severity: Error.

Explanation: This message is returned to the sender to indicate that the parsing procedure expected a left bracket ([).

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: Element

---

501 Syntax Error. ':' Expected in Path Name

Severity: Error.

Explanation: This message is returned to the sender to indicate that the parsing procedure expected a colon (:).

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: ADLpath

---

501 Syntax Error. '@' expected

Severity: Error.

Explanation: This message is returned to the sender to indicate that the parsing procedure expected an at sign (@).

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: MailBox

---

501 Syntax Error. '@' Expected in Source Route

Severity: Error.

Explanation: This message is returned to the sender to indicate that the parsing procedure expected an at sign (@) at this point in the source route part of the mail address.

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: AtDomain

---

501 Syntax Error. '"' expected

Severity: Error.

Explanation: This message is returned to the sender to indicate that the parsing procedure expected a quote mark (").

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: LocalPart

| **501 Syntax Error. 'BODY' parameter cannot be repeated**

| **Severity:** Error.

| **Explanation:** This message is returned to the sender if there is more than one BODY parameter in the MAIL FROM command.

| **System Programmer Response:** Correct the command syntax and try again.

| **System Action:** SMTP continues.

| **Source File:** SMTPCMDS PASCAL

| **Procedure Name:** ParseSrvcExtParms

SMTP Reply Code Messages

| **501 Syntax Error. 'BODY' value is not valid**

| **Severity:** Error.

| **Explanation:** This message is returned to the sender if the type
| value given for the BODY parameter is not 7BIT or 8BITMIME.
| BODY is a parameter for the MAIL FROM command.

| **System Programmer Response:** Correct the command syntax and
| try again.

| **System Action:** SMTP continues.

| **Source File:** SMTPCMDS PASCAL

| **Procedure Name:** ParseSrvcExtParms

---

501 Syntax Error. Domain name cannot end with '-'

Severity: Error.

Explanation: You cannot terminate a domain name with a hyphen
(-).

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: Name

---

501 Syntax Error. Domain name missing

Severity: Error.

Explanation: This message is returned to the sender as the reply
| to an invalid HELO or EHLO command. The same message is also
displayed on the server output device without the 501 message
prefix.

System Programmer Response: Specify a valid host name after
| the HELO or EHLO command.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoHelo

---

501 Syntax Error. Domain name too long

Severity: Error.

Explanation: This message is returned to the sender as the reply
| to an invalid HELO or EHLO command. You specified a domain
name that was greater than 256 characters. The same message is
also displayed on the server output device without the 501 message
prefix.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoHelo

---

501 Syntax Error. Incomplete Address

Severity: Error.

Explanation: You specified a backslash mark (\), without a number
between 0 and 127 following the backslash. To specify an ASCII
character, you must enter a backslash followed by the integer
between 0 and 127 that indicates the ASCII character.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: PlainString

---

501 Syntax Error. Incomplete Address

Severity: Error.

Explanation: The parsing procedure did not expect a null argument
at this point.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: PlainString

---

501 Syntax Error. Invalid LocalPart of Address

Severity: Error.

Explanation: The parsing procedure did not expect a null argument
at this point.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: PlainString

---

501 Syntax Error. Invalid Path Specification

Severity: Error.

Explanation: The parsing procedure did not expect a null argument
at this point.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: ParsePath

---

501 Syntax Error. Missing Domain Name

Severity: Error.

Explanation: This message is returned to the sender to indicate
that a right angle bracket (>) was found before a domain name had
been defined in the parsing procedure.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: PlainString

| **501 Syntax Error. Missing equal sign after 'BODY' keyword**

| **Severity:** Error.

| **Explanation:** This message is returned to the sender if the BODY
| keyword for the MAIL FROM command is not followed by an equal
| sign.

| **System Programmer Response:** Correct the command syntax and
| try again.

| **System Action:** SMTP continues.

| **Source File:** SMTPCMDS PASCAL

| **Procedure Name:** ParseSrvcExtParms

Source File: SMTPARSE PASCAL

Procedure Name: MailBox

| **501 Syntax Error. Missing equal sign after 'SIZE' keyword**

| **Severity:** Error.

| **Explanation:** This message is returned to the sender if the SIZE
| keyword for the MAIL FROM command is not followed by an equal
| sign.

| **System Programmer Response:** Correct the command syntax and
| try again.

| **System Action:** SMTP continues.

| **Source File:** SMTPCMDS PASCAL

| **Procedure Name:** ParseSrvcExtParms

---

501 Syntax Error. Missing host name, '@' expected

Severity: Error.

Explanation: The parsing procedure did not find an at sign (@)
before the expected host name string.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: MailBox

| **501 Syntax Error. Missing number of bytes for 'SIZE' parameter**

| **Severity:** Error.

| **Explanation:** This message is returned to the sender if there is no
| byte value given for the SIZE parameter for the MAIL FROM
| command.

| **System Programmer Response:** Correct the command syntax and
| try again.

| **System Action:** SMTP continues.

| **Source File:** SMTPCMDS PASCAL

| **Procedure Name:** ParseSrvcExtParms

| **501 Syntax Error. Missing value for 'BODY' parameter**

| **Severity:** Error.

| **Explanation:** This message is returned to the sender if there is no
| type value given for the BODY parameter for the MAIL FROM
| command.

| **System Programmer Response:** Correct the command syntax and
| try again.

| **System Action:** SMTP continues.

| **Source File:** SMTPCMDS PASCAL

| **Procedure Name:** ParseSrvcExtParms

---

501 Syntax Error. Missing User name

Severity: Error.

Explanation: The parsing procedure did not expect a null argument
for a user name at this point.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

---

501 Syntax Error. Must use 'MAIL FROM:'

Severity: Error.

Explanation: You entered an invalid MAIL command. You must
use the MAIL FROM: command.

System Programmer Response: Use the MAIL FROM command
and try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoMail

---

501 Syntax Error. Must use 'RCPT TO:'

Severity: Error.

Explanation: You entered an invalid RCPT command.

System Programmer Response: Use the RCPT TO command and
try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoRcpt

---

501 Syntax Error. Must use 'VERB ON' or 'VERB OFF'

Severity: Error.

Explanation: You entered an invalid VERB command. You must
use the VERB ON or VERB OFF command. ON or OFF are the
only valid parameters for the VERB command.

System Programmer Response: Specify either VERB ON or
VERB OFF and try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoVerb

---

501 Syntax Error. Need args after 'MAIL' command

Severity: Error.

Explanation: You entered an invalid MAIL FROM command. You
must specify a valid mail address after the MAIL FROM command.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoMail

---

501 Syntax Error. Need args after 'RCPT' command

Severity: Error.

Explanation: You entered an invalid RCPT TO command. You
must specify a valid mail address after the RCPT TO command.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoRcpt

SMTP Reply Code Messages

501 Syntax Error. Need args after *Strcmd* command

Severity: Error.

Explanation: You entered an invalid VRFY or EXPN command. You must follow the VRFY and EXPN commands with a user ID or mailing list.

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoVrfyExpn

---

501 Syntax Error. Need args after 'TICK' command

Severity: Error.

Explanation: You entered an invalid TICK command. You must specify a text string after the TICK command.

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoTick

---

501 Syntax Error. Need args after 'VERB' command

Severity: Error.

Explanation: You entered an invalid VERB command. You must specify either ON or OFF after the VERB command.

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoVerb

---

501 Syntax Error. No Args after *strcmd* command

Severity: Error.

Explanation: You entered an invalid DATA, QUIT, RSET, NOOP, TURN, or QUEU command. Arguments are invalid or unnecessary with these commands.

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoCommand

| **501 Syntax Error. Non-numeric 'SIZE' value is not valid**

| **Severity:** Error.

| **Explanation:** This message is returned to the sender if a non-numeric byte value is given for the SIZE parameter for the MAIL FROM command.

| **System Programmer Response:** Correct the command syntax and try again.

| **System Action:** SMTP continues.

| **Source File:** SMTPCMDS PASCAL

| **Procedure Name:** ParseSrvcExtParms

---

501 Syntax Error. Null Recipient Invalid

Severity: Error.

Explanation: You entered an invalid RCPT TO command. The parameter you specified after the RCPT TO: command was null. You must specify a valid mail address after the RCPT TO command.

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoRcpt

---

501 Syntax Error. Number Expected

Severity: Error.

Explanation: The parsing procedure expected a number (0..9) at this point.

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: Number

---

501 Syntax Error. Only Listld or Userid allowed as argument to this command

Severity: Error.

Explanation: You entered an invalid VRFY or EXPN command. You must enter a user ID or mailing list after the VRFY and EXPN commands.

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoVrfyExpn

---

501 Syntax Error. Path too long

Severity: Error.

Explanation: The path you specified in a MAIL FROM or RCPT TO command exceeded the limit of 256 characters.

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoMail

---

501 Syntax Error. Quoted text is a null string

Severity: Error.

Explanation: The parsing procedure found nothing between two quote marks ("").

System Programmer Response: Correct the command syntax and try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: Qtext

| **501 Syntax Error. 'SIZE' parameter cannot be repeated**

Severity: Error.

Explanation: This message is returned to the sender if there is
more than one SIZE parameter in the MAIL FROM command.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: ParseSrvcExtParms

---

501 Syntax Error. Special chars only with Escape Char

Severity: Error.

Explanation: The parsing procedure did not expect a special
character other than an at sign (@), right angle bracket (>), or a
decimal point (.).

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: PlainString

---

501 Syntax Error. Start Domain with 'a'..'z', 'A'..'Z', or '0'..'9'

Severity: Error.

Explanation: You entered an invalid character in a domain name.
Valid host names must start with an ASCII letter or number.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: Name

---

501 Syntax Error. Start Path name with '<'

Severity: Error.

Explanation: The parsing procedure expected a left angle bracket
(<) to initiate a mail address path.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: ParsePath

---

501 Syntax Error. Unexpected end of Domain Name

Severity: Error.

Explanation: You did not specify a complete and valid mail
address path.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: Element

---

501 Syntax Error. Unexpected Token *result*

Severity: Error.

Explanation: You did not specify a complete and valid mail
address path.

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: ParsePath

---

501 Syntax Error. Unterminated Quoted String

Severity: Error.

Explanation: You did not end a quoted string with the required
close quote mark (").

System Programmer Response: Correct the command syntax and
try again.

System Action: SMTP continues.

Source File: SMTPARSE PASCAL

Procedure Name: Qtext

| **502 Command** *command* **not implemented yet**

| **Severity:** Error.

| **Explanation:** This message is returned to the sender when a
| SEND, SAML, SOML, or TURN command is received on the server.
| The above commands are known to SMTP but are not supported.

| **System Programmer Response:** Issue a correct and supported
| SMTP command. If necessary, you can request online help by
| entering HELP.

| **System Action:** SMTP continues.

| **Source File:** SMTPCMDS PASCAL

| **Procedure Name:** NotYetImplemented

| **503 'HELO' or 'EHLO' must be first command in session**

Severity: Warning.

| **Explanation:** You already issued a valid HELO or EHLO command,
or you tried to issue a MAIL FROM or RCPT TO command before
| issuing a HELO or EHLO command.

System Programmer Response: Verify that your SMTP
commands are sent in the correct order.

System Action: This command is ignored. SMTP continues.

Source File: SMTPCMDS PASCAL

| **Procedure Name:** DoMail, DoRcptTo, and DoData

---

503 No Recipients specified

Severity: Warning.

Explanation: You tried to enter data with the DATA command
before you issued the RCPT command.

System Programmer Response: Verify that your SMTP
commands are sent in the correct order.

System Action: The DATA command is ignored; SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoData

SMTP Reply Code Messages

503 No Sender specified

Severity: Warning.

Explanation: You tried to enter data with the DATA command before you issued the MAIL command.

System Programmer Response: Verify that your SMTP commands are sent in the correct order.

System Action: The DATA command is ignored; SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoData

---

503 Sender already specified

Severity: Warning.

Explanation: You already issued a valid MAIL command. You tried to issue the identical command unnecessarily.

System Programmer Response: Verify that your SMTP commands are sent in the correct order.

System Action: The MAIL command is ignored; SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoMail

---

503 Sender must be specified before recipients

Severity: Warning.

Explanation: You issued an RCPT command before you issued the MAIL command.

System Programmer Response: Verify that your SMTP commands are sent in the correct order.

System Action: The RCPT command is ignored; SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoRcpt

---

504 HELP topic unknown

Severity: Warning.

Explanation: You requested HELP on an unknown topic.

System Programmer Response: Issue HELP for a list of the valid SMTP commands.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoHelp

---

550 Cannot accept mail for this host; MX records will cause loop.

Severity: Error.

Explanation: The SMTP server sends this message to the client indicating that the local host cannot accept mail for the local host because the CheckHomeList procedure has determined that accepting mail exchange records would cause a looping mail condition.

System Programmer Response: Determine what MX records are stored in the domain name server, and why they are causing a loop. Tell the domain name server administrator about the problem.

System Action: SMTP continues.

Source File: SMTPRES PASCAL

Procedure Name: ProcessRQR

---

550 Cannot accept mail for this host; Next MX site not defined.

Severity: Error.

Explanation: SMTP has evaluated all the possible MX records for the host, and eliminated all the necessary hosts with a lower preference than this SMTP server. After this processing SMTP did not have any MX records remaining for this host, and did not know where to deliver the mail. This is a configuration error in either SMTP or the domain name server, so the mail is rejected.

System Programmer Response: Determine what MX records are stored in the domain name server, and why SMTP was unable to determine the final recipient. Tell the domain name server administrator about the problem.

System Action: SMTP continues.

Source File: SMTPRES PASCAL

Procedure Name: ProcessRQR

---

550 Host *hostname* **Unknown**

Severity: Error.

Explanation: The SMTP server sends this message to the client indicating that the host name in the mail address is unknown. SMTP determined that this address is not the local host and is not an RSCS host. The mail is rejected for this mail address.

System Programmer Response: Determine why the host name is not valid. If the address is supposed to be an SMTP host, verify that the domain name server or site tables have the correct entries. If the address is supposed to be an RSCS host, verify that the SMTPRSCS HOSTINFO file is up-to-date and contains the correct entries.

System Action: SMTP continues.

Source File: SMTPRES PASCAL

Procedure Name: ProcessRQR

---

550 Mail forwarding not supported

Severity: Warning.

Explanation: The SMTP server sends this message to the client indicating that the client tried to source route mail through this SMTP gateway. This gateway is currently in SECURE mode and does not support source routing.

System Programmer Response: Do not perform source routing through this gateway. Determine an alternative path to deliver your mail.

System Action: The mail is rejected; SMTP continues.

Source File: SMTPRES PASCAL

Procedure Name: ProcessRQR

---

550 Mailing list *CommandLine* **Nonexistent**
550 MailBox *CommandLine* **Nonexistent**

Severity: Warning.

Explanation: The mailing list or mailbox you requested does not exist on the local host.

System Programmer Response: Specify a valid mailing address that exists on the local host.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoVrfyExpn

---

550 Source routing not permitted in gateway

Severity: Warning.

Explanation: The SMTP server sends this message to the client indicating that the client tried to source route mail through this SMTP gateway. This gateway is currently in SECURE mode and does not support source routing.

System Programmer Response: Do not perform source routing through this gateway. Determine an alternative path to deliver your mail.

System Action: The mail is rejected. SMTP continues.

Source File: SMTPRES PASCAL

Procedure Name: ProcessRQR

---

550 Spool File Origin: *<UserID@NodeID>* **does not match Sender's Address:** *PrintPath*

Severity: Warning.

Explanation: Unregistered BSMTP mail was received from the listed sender at the listed origin and cannot be processed.

System Programmer Response: Follow the instructions in the SECURITY MEMO file that the SMTP server machine returned to you just prior to this message.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoMail

---

550 Unable to find A records for any MX sites for the recipient host.

Severity: Error.

Explanation: The SMTP server sends this message to the client to indicate that the local host cannot find an A record that corresponds to an MX record for the destination host. This is a configuration error in the domain name server.

System Programmer Response: Determine what MX records are stored in the domain name server, and why SMTP was unable to find a corresponding A record for one or more of the MX records. Tell the domain name server administrator about the problem.

System Action: The mail is rejected. SMTP continues.

Source File: SMTPRES PASCAL

Procedure Name: ProcessRQR

---

550 Unable to resolve recipient address for *ReturnAge* **days.**

Severity: Warning.

Explanation: The SMTP server sends this message to the client to indicate that the local host was unable to resolve a recipient address for the listed number of days.

System Programmer Response: Determine why the SMTP server was unable to resolve the mail address. SMTP sends this message when the name server is down, or connectivity to the name server through the internet is unavailable.

System Action: The mail in question is returned to the sender. SMTP continues.

Source File: SMTPRES PASCAL

Procedure Name: SendRQR

---

550 User *UserName* **Unknown**

Severity: Error.

Explanation: The SMTP server sends this message to the client to indicate that the listed user ID was not found on the local host. This error is returned if the user ID is not POSTMASTER, a user ID in the SMTP NAMES file, or a valid user ID, as determined by the CP SPOOL PUNCH TO command.

System Programmer Response: You specified a user ID that is not known on the local system. Check the mail address for spelling mistakes. Check the local host to see if the user ID exists.

System Action: SMTP continues.

Source File: SMTPRES PASCAL

Procedure Name: ProcessLocal

---

550 User *UserID@NodeID* **on Restricted List**

Severity: Warning.

Explanation: SMTP sends this message to the client to indicate that the listed Userid and NodeId origin is rejected, because the address is in the RESTRICT list.

System Programmer Response: None.

System Action: SMTP continues.

Source File: SMTPCMDS PASCAL

Procedure Name: DoRestricted

---

550 User *RSCSUser@RSCSHost* **is not a registered gateway user**

Severity: Error.

Explanation: The SMTP server sends this message to the client to indicate that the listed user ID is not a registered secure gateway user, and is not in the SMTP SECTABLE security table.

System Programmer Response: Update the SMTP SECTABLE security table as necessary, or inform the user that they are not authorized to use this SMTP secure gateway.

System Action: The mail is rejected. SMTP continues.

Source File: SMTPRES PASCAL

Procedure Name: ProcessRQR

---

552 Mail file too large

Severity: Error.

Explanation: The local host sends this message to the sender when the sender's mail file exceeds the maximum length specified by the MAXMAILBYTES option in the configuration file.

System Programmer Response: Shorten the mail file, or subdivide the long file into two or more shorter files that are within the existing MAXMAILBYTES limitations. You can increase the value for the MAXMAILBYTES option in the configuration file and try again.

System Action: SMTP continues.

Source File: SMTPEVNT PASCAL

Procedure Name: StoreData

| **552 Message size exceeds fixed maximum message size**

| **Severity:** Error.

| **Explanation:** This message is returned to the sender if the MAIL
| FROM command for a piece of mail arriving from a TCP connection
| contains a SIZE value that exceeds the maximum length specified by
| the MAXMAILBYTES option in the configuration file.

| **System Programmer Response:** Shorten the mail file, or
| subdivide the long file into two or more shorter files that are within
| the existing MAXMAILBYTES limitations. You can increase the
| value for the MAXMAILBYTES option in the configuration file and try
| again.

| **System Action:** SMTP continues.

| **Source File:** SMTPCMDS PASCAL

| **Procedure Name:** ParseSrvcExtParms

| **555 Unknown MAIL FROM parameter,** *parameter*

| **Severity:** Error.

| **Explanation:** This message is returned to the sender if the MAIL
| FROM command contains an unidentifiable parameter; the
| parameter is listed at the end of the message. The MAIL FROM
| command syntax is:

| MAIL FROM: *<Sender_path_address>* [SIZE=*number_of_bytes*]
| [BODY=7BIT/8BITMIME]

| **System Programmer Response:** Issue a correct MAIL FROM
| command that contains supported parameters.

| **System Action:** SMTP continues.

| **Source File:** SMTPCMDS PASCAL

| **Procedure Name:** ParseSrvcExtParms

| **555 8-bit MIME support is not enabled**

| **Severity:** Error.

| **Explanation:** This message is returned to the sender if the MAIL
| FROM command contains the BODY parameter and the value
| specified is 8BITMIME, and the SMTP server does not have 8-bit
| MIME support enabled.

| **System Programmer Response:** Enable the 8-bit MIME support
| using the 8BITMIME configuration statement.

| **System Action:** SMTP continues.

| **Source File:** SMTPCMDS PASCAL

| **Procedure Name:** ParseSrvcExtParms

SMTPRSCS Messages

This section contains SMTPRSCS messages.

Found more than *MaxNodes* **RSCS nodes!**

Severity: Error.

Explanation: SMTPRSCS found more than 10000 JES2 or JES3
nodes. This exceeds the maximum allowable number of nodes
specified by the MaxNodes constant.

System Programmer Response: Increase the MaxNodes constant
in SMTPRSCS PASCAL to the desired value, recompile the source,
re-link the executable module, and rerun SMTPRSCS.

System Action: SMTPRSCS continues.

Source File: SMTPRSCS PASCAL

Procedure Name: EndofGame

Increase the constant 'MaxNodes' in SMTPRSCS and try again.

Severity: Error.

Explanation: This message states that a code change must be
made in the SMTPRSCS PASCAL program. The MaxNodes
constant must be set equal to a value greater than its present setting
of 10000.

System Programmer Response: Increase the MaxNodes constant
in SMTPRSCS PASCAL to a greater value, recompile the source,
re-link the executable module, and rerun SMTPRSCS.

System Action: SMTPRSCS continues.

Source File: SMTPRSCS PASCAL

Procedure Name: EndofGame

Invalid FileMode Specification: *BadFileMode*

Severity: Error.

Explanation: You specified a file mode that exceeds 2 characters
in length. The erroneous file mode is listed at the end of the
message.

System Programmer Response: Correct the file mode and rerun
the program.

System Action: SMTPRSCS continues.

Source File: SMTPRSCS PASCAL

Procedure Name: ProcessCommandLine

Invalid FileName Specification: *BadFileName*

Severity: Error.

Explanation: You specified a file name that exceeds 8 characters
in length. The erroneous file name is listed at the end of the
message.

System Programmer Response: Correct the file name and rerun
the program.

System Action: SMTPRSCS continues.

Source File: SMTPRSCS PASCAL

Procedure Name: ProcessCommandLine

Invalid FileType Specification: *BadFileType*

Severity: Error.

Explanation: You specified a file type that exceeds 8 characters in
length. The erroneous file type is listed at the end of the message.

System Programmer Response: Correct the file type and rerun
the program.

System Action: SMTPRSCS continues.

Source File: SMTPRSCS PASCAL

Procedure Name: ProcessCommandLine

Invalid system type specified: *BadSysType*

Severity: Error.

Explanation: You entered an optional SpoolSystemType that was not RSCS. These three are the only valid options.

System Programmer Response: Rerun the program with the correct SpoolSystemType.

System Action: SMTPRSCS continues.

Source File: SMTPRSCS PASCAL

Procedure Name: ParseOptionalPart

RSCS Node Name: *RSCStoken* **truncated to:** *VMNodeidLen*

Severity: Warning.

Explanation: Warning indication for an RSCS directory file entry of LOCAL, LINK or ROUTE. The RSCS node name you specified after LOCAL, LINK, or ROUTE exceeded 8 characters and was truncated to the listed first 8 characters.

System Programmer Response: Correct the RSCS node name, so that it is 8 characters or less.

System Action: SMTPRSCS continues.

Source File: SMTPRSCS PASCAL

Procedure Name: ParseRSCSDirectFile

Unable to find input file: *FileName FileType FileMode*

Severity: Error.

Explanation: You received a nonzero return code from a CMS STATE command. This means that the listed file does not exist on an accessed minidisk.

System Programmer Response: Make sure that SMTPRSCS has access to the file on one of the attached minidisks.

System Action: SMTPRSCS continues.

Source File: SMTPRSCS PASCAL

Procedure Name: ProcessCommandLine

Unrecognized options: *BadOption*

Severity: Error.

Explanation: This error message indicates that SMTPRSCS found additional characters in the option string after it found one of the valid options.

System Programmer Response: Rerun the SMTPRSCS program using the correct specified format. See the *TCP/IP Planning and Customization* for more information.

System Action: SMTPRSCS continues.

Source File: SMTPRSCS PASCAL

Procedure Name: ParseOptionalPart

Unrecognized parameters: *BadParameter*

Severity: Error.

Explanation: SMTPRSCS found a character that was not an open parenthesis in the input parameter string after the file mode.

System Programmer Response: Rerun the SMTPRSCS program using the correct, specified format. See the *TCP/IP Planning and Customization* for more information.

System Action: SMTPRSCS continues.

Source File: SMTPRSCS PASCAL

Procedure Name: ProcessCommandLine

Warning: Duplicate entry: *Node*

Severity: Warning.

Explanation: A duplicate name exists in the input file being processed. Both entries are added to the hash table.

System Programmer Response: If the input file is in error, remove the duplicate name entry.

System Action: SMTPRSCS continues.

Source File: SMTPRSCS PASCAL

Procedure Name: Insert

Chapter 15. SNALINK Messages

SNALNK001I   date time   : Usage SNALINK <DEBUG> tcpip_name applid < maxrusize < maxsession < retry < sessiontype > > > >

Explanation: SNALINK was called with invalid or missing invocation parameters. The correct invocation sequence is given in the text of the message. Note that the name of the TCPIP virtual machine and the local LU name are required parameters.

System Action: The program terminates execution.

User or Operator Response: If the invocation was specified from the command line, reissue the command with the correct parameters. If the improper or incomplete invocation string was supplied by the PROFILE GCS, make corrections as necessary in that file and restart the virtual machine running the SNALINK application. See the *TCP/IP Planning and Customization* book for more information about configuring and operating the SNALNKA Virtual Machine.

Source File: SNALINK ASSEMBLE

Procedure Name: Main

SNALNK002I   date time **{***lu***}** **: Invalid mx RU size code**

Explanation: An optional third argument to SNALINK is the maximum RU size code. This parameter was specified on the command line, but is not valid. For more information, see the *VTAM® Programmer's Manual*.

System Action: The program terminates execution.

User or Operator Response: Reissue the command with the corrected parameters.

Source File: snalink assemble

Procedure Name: Main

SNALNK003I   date time **{***lu***}** **: Can not obtain storage for path index table**

Explanation: SNALINK could not allocate memory for the path index table.

System Action: SNALINK abends.

User or Operator Response: None.

System Programmer Response: Ensure the SNALINK virtual machine is defined correctly.

Source File: snalink assemble

Procedure Name: Main

SNALNK004I   date time **{***lu***}** **: Error** *error* **in IUCVINI SET**

Explanation: SNALINK encountered an error issuing an IUCVINI SET request to initialize IUCV.

System Action: SNALINK abends.

User or Operator Response: None.

System Programmer Response: Check the SNALINK definition, and ensure that it has IUCV authority.

Source File: snalink assemble

Procedure Name: main

SNALNK005I   date time **{***lu***}** **: Error** *error* **IN VTAM OPEN**

Explanation: SNALINK encountered an error issuing a VTAM OPEN request.

System Action: SNALINK abends.

User or Operator Response: Ensure VTAM is operational.

System Programmer Response: Contact your local VTAM administrator.

Source File: snalink assemble

Procedure Name: main.

SNALNK008I   date time **{***lu***}** **: TPEND exit called with reason** *value*

Explanation: SNALINK exits with the indicated reason code.

System Action: SNALINK exits.

User or Operator Response: None.

System Programmer Response: Correct the problem indicated by the reason code.

Source File: snalink assemble

Procedure Name: main

SNALNK010I   date time **{***lu***}** **: Can not free path index table storage**

Explanation: SNALINK encountered an error freeing memory.

System Action: SNALINK terminates.

User or Operator Response: None.

System Programmer Response: Check the VM system for system problems.

Source File: snalink assemble

Procedure Name: Main

SNALNK011I   date time **{***lu***}** **: Unexpected iptype** *type* **received**

Explanation: SNALINK received an IUCV interrupt with an unexpected or out-of-range type.

System Action: SNALINK abends.

User or Operator Response: None

System Programmer Response: This error indicates a probable TCP/IP code problem.

Source File: snalink assemble

Procedure Name: prociucv

SNALNK012I   date time **{***lu***}** **: IUCV path** *path* **severed**

Explanation: SNALINK received a SEVER interrupt from TCPIP.

System Action: The indicated IUCV path is severed, and the associated VTAM session is closed.

User or Operator Response: This condition is normal if the link was stopped or TCPIP was not running. Otherwise, this condition is abnormal and is probably caused by a problem with TCPIP.

Source File: snalink assemble

Procedure Name: sever

SNALNK013I   *date time* **{***lu***} : Can't find CONNBLOK for severed path** *path*

Explanation: SNALINK received a SEVER interrupt from TCPIP, but could not find the associated connection in its tables.

System Action: The connection is severed, and SNALINK execution continues.

User or Operator Response: None.

System Programmer Response: This message indicates a probable TCP/IP code problem. Contact the IBM Support Center.

Source File: snalink assemble

Procedure Name: sever

SNALNK014I   *date time* **{***lu***} : PENDCONN received from wrong TCPIP id** *id*

Explanation: SNALINK received a Connection Pending interrupt from a TCPIP ID other than the one specified on the command line.

System Action: SNALINK severs the pending connection and continues execution.

User or Operator Response: None.

System Programmer Response: Check Profile GCS (VM) for the correct TCPIP user ID.

Source File: snalink assemble

Procedure Name: pendconn

SNALNK015I   *date time* **{***lu***} : Cannot connect to LU** *LU_name* **-- No more CONNBLOKs!**

Explanation: SNALINK does not have sufficient data structures (CONNBLOKs) allocated to service a pending connection.

System Action: SNALINK severs the pending connection and continues execution.

User or Operator Response: None.

System Programmer Response: Increase the maximum connections allowed. If existing connections are later closed, resources are freed to allow SNALINK to service this connection.

Source File: snalink assemble

Procedure Name: pendconn

SNALNK016I   *date time* **{***lu***} : Severing pending conn because existing session not killed**

Explanation: SNALINK received a Connection Pending interrupt for this LU. However, a connection already exists for this LU.

System Action: This pending connection is severed, and SNALINK continues

User or Operator Response: No action is necessary if the connection you want is up; otherwise, stop and restart SNALINK.

System Programmer Response: This error indicates that TCPIP is out of sync or that there is a code problem. execution.

Source File: snalink assemble

Procedure Name: pendconn

SNALNK019I   *date time* **{***lu***} : COMPMSG shows non-zero IUCV audit field** *value*

Explanation: SNALINK received a Message Complete IUCV interrupt, with a nonzero audit field, indicating an error.

System Action: The associated connection is closed, and SNALINK continues execution.

User or Operator Response: None.

System Programmer Response: Probable TCP/IP code problem.

Source File: snalink assemble

Procedure Name: Compmsg

SNALNK020I   *date time* **{***lu***} : Zero UWORD field on COMPMSG or PENDMSG interrupt**

Explanation: SNALINK received a Message Pending or Message Complete IUCV interrupt with no associated connection block (CONNBLOK).

System Action: SNALINK abends.

User or Operator Response: None.

System Programmer Response: This message indicates a possible TCPIP or VTAM problem Tell your local VTAM administrator.

Source File: snalink assemble

Procedure Name: compmsg/pendmsg

SNALNK021I   *date time* **{***lu***} : Unexpected GENTYPE** *value* **found**

Explanation: SNALINK encountered an invalid GENTYPE value when

System Action: SNALINK abends. processing a VTAM exit.

User or Operator Response: None.

System Programmer Response: This error indicates a possible TCP/IP code problem.

Source File: snalink assemble

Procedure Name: procvtam

SNALNK022I   *date time* **{***lu***} : Unexpected control field** *value* **IN SCIP exit**

Explanation: SNALINK encountered an invalid control field in an SCIP information block, while SNALINK was either acting as an SLU for a connection and waiting for the PLU to establish the connection, or receiving an UNBIND request.

System Action: SNALINK ignores the SCIP exit and resumes execution.

User or Operator Response: Tell your VTAM administrator.

Source File: snalink assemble

Procedure Name: vtamscip

SNALNK023I   *date time* **{***lu***} : Rejecting bind from** *plu* **- no IUCV found**

Explanation: SNALINK received a BIND request from the indicated Primary LU. It is rejecting the BIND request because it could not find an associated pending IUCV connection in its tables.

System Action: Bind is rejected.

User or Operator Response: Use the NETSTAT command to ensure that TCPIP started SNALINK.

Source File: snalink assemble

Procedure Name: scipbind

SNALNK024I *date time* **{***lu***} : Rejecting bind - already have receive session**

Explanation: SNALINK received a BIND request for an LU on which it has already established communication.

System Action: The BIND is not accepted.

User or Operator Response: Tell your VTAM coordinator.

System Programmer Response: This error indicates a possible VTAM problem.

Source File: snalink assemble

Procedure Name: scipbind

SNALNK026I *date time* **{***lu***} : Error in MODCB NIB for receive session. R15** *value* **R0** *value*

Explanation: SNALINK encountered an error modifying a Network Information Block in preparation for an OPNSEC call to accept a BIND for this LU.

System Action: The BIND is not accepted.

User or Operator Response: See your VTAM administrator.

System Programmer Response: This error indicates a possible TCP/IP code problem.

Source File: snalink assemble

Procedure Name: scipfoun

SNALNK029I *date time* **{***lu***} : Zero user word in SCIP exit for UNBIND**

Explanation: SNALINK encountered an user word containing zero in an UNBIND request, indicating a null connection block address.

System Action: The request is not processed.

User or Operator Response: None.

System Programmer Response: This error indicates a possible TCPIP/VTAM problem. Tell your local VTAM administrator.

Source File: snalink assemble

Procedure Name: scipunbd

SNALNK030I *date time* **{***lu***} : CID in SCIP UNBIND parm list not found**

Explanation: SNALINK received an UNBIND request that was not associated with either the send or receive session on its LU.

System Action: The request is not processed.

User or Operator Response: None.

System Programmer Response: This error indicates a possible VTAM or TCP/IP code problem. See the VTAM console for more information.

Source File: snalink assemble

Procedure Name: scipunbd

SNALNK031I *date time* **{***lu***} : TESTCB shows send session not established**

Explanation: SNALINK received a VTAM OPNDST EXIT interrupt specifying a session that has not been established.

System Action: SNALINK ends the connection.

User or Operator Response: None.

System Programmer Response: This error indicates a possible VTAM or TCP/IP code problem.

Source File: snalink assemble

Procedure Name: vtamopnd

SNALNK032I *date time* **{***lu***} : OPNDST exit can't find CONNBLOK. RPL addr** *address*

Explanation: SNALINK received a VTAM OPNDST EXIT interrupt for which it has no associated connection block.

System Action: SNALINK abends.

User or Operator Response: None.

System Programmer Response: This error indicates a probable TCP/IP or VTAM code problem.

Source File: snalink assemble

Procedure Name: vtamopnd

SNALNK034I *date time* **{***lu***} : TESTCB shows receives session not established**

Explanation: SNALINK received a VTAM OPNSEC EXIT interrupt specifying a session that has not been established.

System Action: SNALINK ends the connection.

User or Operator Response: None.

System Programmer Response: This error indicates a possible VTAM or TCP/IP code problem. See your local VTAM administrator.

Source File: snalink assemble

Procedure Name: vtamopns

SNALNK035I *date time* **{***lu***} : OPNSEC exit can't find CONNBLOK. RPL addr** *address*

Explanation: SNALINK received a VTAM OPNSEC EXIT interrupt for which it has no corresponding connection block. SNALINK abends.

System Action: SNALINK abends.

User or Operator Response: None.

System Programmer Response: This error indicates a probable TCP/IP or VTAM code problem.

Source File: snalink assemble

Procedure Name: vtamopns

SNALNK037I *date time* **{***lu***} : SEND exit finds zero RPLUSFLD**

Explanation: SNALINK received a VTAM SEND EXIT interrupt with a null connection block pointer.

System Action: SNALINK abends.

User or Operator Response: None.

System Programmer Response: This error indicates a probable TCPIP or VTAM problem.

Source File: snalink assemble

Procedure Name: vtamsend

SNALNK038I *date time* **{***lu***} : RECEIVE-ANY shows RESPOND**
value **CONTROL** *ctl* **RH** *value*

Explanation: SNALINK handled a RECEIVE-ANY interrupt with the indicated fields.

System Action: SNALINK ends the connection, if one exists;

User or Operator Response: None.

System Programmer Response: Tell your VTAM coordinator. otherwise, the interrupt is ignored.

Source File: snalink assemble

Procedure Name: rcvisany

SNALNK039I *date time* **{***lu***} : Chaining err: Flags** *flg* **Buffer** *buf*
Pointer *ptr*

Explanation: SNALINK encountered an inconsistency in its buffer chain.

System Action: SNALINK ends the connection.

User or Operator Response: None.

System Programmer Response: This error indicates a possible TCP/IP code problem.

Source File: snalink assemble

Procedure Name: rcvchker

SNALNK040I *date time* **{***lu***} : RECEIVE exit finds zero**
RPLUSFLD

Explanation: SNALINK encountered a VTAM RECEIVE EXIT interrupt with a null connection block pointer.

System Action: SNALINK abends.

User or Operator Response: None.

System Programmer Response: This error indicates a probable TCPIP or VTAM problem.

Source File: snalink assemble

Procedure Name: vtamrcv

SNALNK042I *date time* **{***lu***} : CLSDST exit can't find**
CONNBLOK. RPL addr *address*

Explanation: SNALINK received a VTAM CLSDST EXIT interrupt with an invalid connection block pointer.

System Action: SNALINK abends.

User or Operator Response: Restart SNALINK

System Programmer Response: This error indicates a possible VTAM or TCP/IP code problem. See the VTAM console for more information.

Source File: snalink assemble

Procedure Name: vtamclsd

SNALNK043I *date time* **{***lu***} : TERMSESS exit can't find**
CONNBLOK. RPL addr *address*

Explanation: SNALINK received a VTAM TERMSESS EXIST interrupt with an invalid connection block pointer.

System Action: SNALINK abends.

User or Operator Response: See your VTAM administrator.

Source File: snalink assemble

Procedure Name: vtamterm

SNALNK044I *date time* **{***lu***} : LOSTERM reason** *value* **for**
receive session

Explanation: SNALINK received a VTAM LOSTERM EXIT interrupt, indicating this LU lost its receive session for the indicated reason code.

System Action: SNALINK ends the connection.

User or Operator Response: Check your hardware or VTAM for problems.

Source File: snalink assemble

Procedure Name: vtamlost

SNALNK045I *date time* **{***lu***} : LOSTERM reason** *value* **for send**
session

Explanation: SNALINK received a VTAM LOSTERM EXIT interrupt, indicating this LU lost its receive session for the indicated reason code.

System Action: SNALINK ends the connection.

User or Operator Response: Check your hardware or VTAM for problems.

Source File: snalink assemble

Procedure Name: vtamlost

SNALNK046I *date time* **{***lu***} : Zero CONNBLOK ptr in LOSTERM**
exit, reason *value*

Explanation: SNALINK received a VTAM LOSTERM EXIT interrupt with a null connection block pointer.

System Action: SNALINK abends.

User or Operator Response: None.

System Programmer Response: This error indicates a possible VTAM or TCPIP problem. See your local VTAM administrator.

Source File: snalink assemble

Procedure Name: vtamlost

SNALNK047I *date time* **{***lu***} : CID in LOSTERM parm list not**
found, reason *value*

Explanation: SNALINK received a VTAM LOSTERM EXIT interrupt for which it has no parameter list.

System Action: SNALINK ignores the interrupt.

User or Operator Response: None.

System Programmer Response: This error indicates a possible VTAM or TCP/IP code problem. See the VTAM console for more information.

Source File: snalink assemble

Procedure Name: vtamlost

SNALNK048I *date time* **{***lu***} : NSEXIT CLEANUP request for**
receive session

Explanation: SNALINK received a VTAM NSEXIT interrupt with a cleanup request for this LU's receive session.

System Action: SNALINK ends the connection.

User or Operator Response: Check your hardware or VTAM for problems.

Source File: snalink assemble

Procedure Name: vtamns

SNALNK049I *date time* **{***lu***} : NSEXIT CLEANUP request for send session**

Explanation: SNALINK received a VTAM NSEXIT interrupt with a cleanup request for this LU's send session.

System Action: SNALINK ends the connection.

User or Operator Response: Check your hardware or VTAM for problems.

System Programmer Response: None.

Source File: snalink assemble

Procedure Name: vtamns

SNALNK050I *date time* **{***lu***} : Zero CONNBLOK ptr in NSEXIT exit**

Explanation: SNALINK received a VTAM NSEXIT interrupt with a null connection block pointer.

System Action: SNALINK abends.

User or Operator Response: None.

System Programmer Response: This error indicates a possible TCPIP or VTAM problem Tell your local VTAM administrator.

Source File: snalink assemble

Procedure Name: vtamns

SNALNK051I *date time* **{***lu***} : CID in NSEXIT parm list not found**

Explanation: SNALINK received a VTAM NSEXIT interrupt for which an associated parameter list could not be found.

System Action: SNALINK ignores the interrupt.

User or Operator Response: None.

System Programmer Response: This error indicates a possible VTAM or TCP/IP code problem. See the VTAM console for more information.

Source File: snalink assemble

Procedure Name: vtamns

SNALNK053I *date time* **{***lu***} : Error in MODCB NIB for send session. R15** *value* **R0** *value*

Explanation: SNALINK received a VTAM OPNDST interrupt, but encountered an error executing the OPNDST. An error indication is returned to the caller.

System Action: The BIND is not accepted.

User or Operator Response: See your VTAM administrator.

System Programmer Response: This error indicates a possible TCP/IP code problem

Source File: snalink assemble

Procedure Name: dovtopnd

SNALNK054I *date time* **{***lu***} : Cannot issue OPNDST - Previous OPNDST active**

Explanation: SNALINK encountered an error processing a VTAM OPNDST request. This error is that the associated request parameter list (RPL) is in use, indicating a previous OPNDST is active.

System Action: SNALINK does not process this request.

User or Operator Response: None.

System Programmer Response: Possible TCP/IP code problem.

Source File: snalink assemble

Procedure Name: dovtopnd

SNALNK056I *date time* **{***lu***} : Error** *error* **accepting IUCV path** *path*

Explanation: SNALINK encountered an error in an IUCV ACCEPT request.

System Action: SNALINK ends the current connection and returns to its caller.

User or Operator Response: None.

System Programmer Response: This error indicates a possible TCP/IP code problem.

Source File: snalink assemble

Procedure Name: doiucacp

SNALNK057I *date time* **{***lu***} : Error** *error* **sending on IUCV path** *path*

Explanation: SNALINK encountered an error sending data on the indicated IUCV path.

System Action: SNALINK ends the current connection.

User or Operator Response: None.

System Programmer Response: This error indicates a possible system problem.

Source File: snalink assemble

Procedure Name: doiucsnd

SNALNK058I *date time* **{***lu***} : Error** *error* **receiving on IUCV path** *path*

Explanation: SNALINK encountered an error sending data on the indicated IUCV path.

System Action: SNALINK ends the current connection.

User or Operator Response: Ensure that TCPIP is operational.

System Programmer Response: This error indicates a possible TCP/IP code problem.

Source File: snalink assemble

Procedure Name: doiucrcv

SNALNK059I *date time* **{***lu***} : Error** *error* **severing IUCV path** *path*

Explanation: SNALINK encountered an error severing the indicated IUCV path.

System Action: None.

User or Operator Response: None.

Source File: snalink assemble

Procedure Name: dosever

SNALNK060I *date time* **{***lu***} : Error** *error* **in VTAM CLOSE**

Explanation: SNALINK encountered an error closing an ACB.

System Action: None.

User or Operator Response: None.

Source File: snalink assemble

Procedure Name: closeacb

SNALINK Messages

SNALNK061I   *date time* **{***lu***}** **: Error in GENCB RPL. R15** *value* **R0** *value*

Explanation: SNALINK received an error from a GENCB RPL call.

System Action: SNALINK resumes execution.

User or Operator Response: None.

System Programmer Response: Check error indication. More errors can result.

Source File: snalink assemble

Procedure Name: setupcon

SNALNK062I   *date time* **{***lu***}** **: Error in GENCB NIB. R15** *value* **R0** *value*

Explanation: SNALINK received an error from a GENCB NIB call.

System Action: SNALINK resumes execution.

User or Operator Response: None.

System Programmer Response: Check the error indication. More errors can result.

Source File: snalink assemble

Procedure Name: setupcon

SNALNK063I   *date time* **{***lu***}** **:** *function* **err. R15** *value* **R0** *value* **RTNCD** *value* **FDBK2** *value*

Explanation: SNALINK encountered an error in the indicated function. The associated sense code returned by VTAM is displayed.

System Action: Based on the sense code, TCPIP retries, ends the session, or takes no action.

User or Operator Response: None.

System Programmer Response: Tell your VTAM administrator.

Source File: snalink assemble

Procedure Name: prtrpler

SNALNK064I   *date time* **{***lu***}** **:** *function* **CHECK err. R15** *value* **R0** *value* **RTNCD** *value* **FDBK2** *value*

Explanation: SNALINK encountered an error in the indicated function. The associated sense code returned by VTAM is displayed.

System Action: Based on the sense code, TCPIP retries, ends the session, or takes no action.

User or Operator Response: None.

System Programmer Response: Tell your VTAM administrator.

Source File: snalink assemble

Procedure Name: prtchker

SNALNK065I   *date time* **{***lu***}** **:** *function* **sense: SSENSEI, SSENSMU, USENSEI:** *value*
date time **{***lu***}** **: SSENSE0,SSENSM0,USENSEO:** *value*

Explanation: This message lists the sense fields from a SNALINK RPL.

System Action: None.

User or Operator Response: None.

Source File: snalink assemble

Procedure Name: prtsense

Chapter 16. SNMP Messages

This chapter contains SNMPD, SNMPLIB, and SQESERV messages.

SNMPD Messages

This section contains SNMPD messages.

bad privilege mask: *mask*

Severity: Warning.

Explanation: SNMP encountered an invalid privilege mask in a password file entry. The mask is ignored.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: The privilege mask field (fourth field) in the community names file record is currently reserved for future use. Remove the data in this field from the record.

System Action: The data in the privilege mask field is ignored and processing continues.

Source File: snmp_aut c

Procedure Name: read_pw_file

can't create SNMP port

Severity: Fatal.

Explanation: SNMPD encountered an error creating its TCP/IP port to accept SNMP requests.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: This message is preceded by error messages indicating that the socket or bind request failed. Correct the errors indicated by those messages.

System Action: SNMPD terminates.

Source File: mib_t c

Procedure Name: main

can't open config file: *file*

Severity: Warning.

Explanation: The SNMPD trap destination file *file* could not be opened.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check the traps destination file *file* to ensure that it exists and that it is accessible to SNMPD. This file must be named SNMPTRAP DEST and must be on a minidisk accessed by the SNMPD virtual machine.

System Action: SNMPD remains active, but no traps are sent.

Source File: snmp_io c

Procedure Name: read_destinations

create_DPI_port::bind *tcperror*

Severity: Warning.

Explanation: SNMPD encountered an error binding the DPI socket.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: Processing continues.

Source File: snmp_dpi c

Procedure Name: create_DPI_port

create_DPI_port::socket *tcperror*

Severity: Warning.

Explanation: SNMP encountered an error creating the DPI socket.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: Processing continues.

Source File: snmp_dpi c

Procedure Name: create_DPI_port

create_DPI_port:getsockname *tcperror*

Severity: Warning.

Explanation: SNMPD encountered an error attempting to obtain the name for the DPI socket.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: Processing continues

Source File: snmp_dpi c

Procedure Name: create_DPI_port

create_SNMP_port::bind *tcperror*

Severity: Fatal.

Explanation: SNMP encountered an error binding a socket.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: SNMPD terminates.

Source File: snmp_io c

SNMPD Messages

Procedure Name: create_SNMP_port

---

create_SNMP_port::socket *tcperror*

Severity: Fatal.

Explanation: SNMP encountered an error opening a socket.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: SNMPD terminates

Source File: snmp_io c

Procedure Name: create_SNMP_port

---

decode: rc = *ReturnCode*

Severity: Warning.

Explanation: An error occurred decoding an SNMP request; the request is ignored.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Either SNMPD was not able to allocate the storage necessary to decode the request, or the request contained invalid data. For storage problems, increase the virtual storage available to SNMPD. For invalid requests, check the client issuing the request for errors.

System Action: SNMP ignores the request. Processing continues with the next request.

Source File: snmp_par c

Procedure Name: parse_snmp

DPI *tcperror*

Severity: Warning.

Explanation: An error occurred establishing the SNMP DPI connection with TCP/IP.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: SNMPD processing continues, but the DPI connection to TCP/IP is not available. Management Information Base (MIB) variables maintained by the TCP/IP subagent of SNMPD are not available.

Source File: snmp_io c

Procedure Name: handle_errors

Error get_snmp_socket: bind

Severity: Fatal.

Explanation: SNMPD encountered an error binding to the MIB/TCP_routed socket.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For information about how to correct bind problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: SNMPD terminates.

Source File: mib_t c

Procedure Name: get_snmp_socket

Error get_snmp_socket: socket

Severity: Fatal.

Explanation: SNMPD could not open the MIB/RCP_routed socket.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For information about how to correct socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: SNMPD terminates.

Source File: mib_t c

Procedure Name: get_snmp_socket

---

make_TCP_sock::connect *tcperror* **destination** *address*

Severity: Warning.

Explanation: SNMP encountered an error connecting to TCP to send traps by means of TCP.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: No trap is sent by means of TCP. The associated socket is closed. SNMPD processing continues with the next request.

Source File: snmp_io c

Procedure Name: make_TCP_sock

---

make_TCP_sock::socket *tcperror*

Severity: Warning.

Explanation: SNMP encountered an error creating a socket to send traps by means of TCP.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: No trap is sent. SNMPD processing continues with the next request.

Source File: snmp_io c

Procedure Name: make_TCP_sock

{ps_alloc}

Severity: Warning.

Explanation: SNMP could not allocate the memory to parse an SNMP request. SNMP ignores the current request.

User or Operator Response: If the error persists, tell the system programmer about the problem.

System Programmer Response: Define a larger virtual storage size for the SNMPD virtual machine.

System Action: The current SNMP request is ignored. Processing continues with the next request.

Source File: snmp_par c

Procedure Name: parse_snmp

{ps2pe failed: *ps_error***}**

Severity: Warning.

Explanation: An error occurred allocating storage to convert the presentation stream to a presentation element.

User or Operator Response: If the error persists, tell the system programmer about the problem.

System Programmer Response: Define a larger virtual storage size for the SNMPD virtual machine.

System Action: The current SNMP request is ignored. Processing continues with the next request.

Source File: snmp_par c

Procedure Name: parse_snmp

---

read_pw_file: can't open *file*

Severity: Warning.

Explanation: SNMP could not open the community names file *file*.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check the community names file *file* to ensure it exists and is accessible to SNMPD. This file must be named PW SRC and must be on a minidisk accessed by the SNMPD virtual machine.

System Action: Processing continues; however, SNMPD does not accept any SNMP requests because there are no authorized community names.

Source File: snmp_aut c

Procedure Name: read_pw_file

---

read_pw_file: out of memory

Severity: Warning.

Explanation: SNMPD could not allocate memory to store an authorization record. Reading of the community names file terminates.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Define a larger virtual storage size for the SNMPD virtual machine.

System Action: Reading of the community names file is terminated. SNMP agent processing continues; however, some community names are not authorized.

Source File: snmp_aut c

Procedure Name: read_pw_file

---

select *tcperror*

Severity: Fatal.

Explanation: SNMP encountered an error from a select() call, waiting for incoming packets.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: SNMPD terminates.

Source File: snmp_io c

Procedure Name: handle_requests

---

send_SNMP_response *tcperror*

Severity: Warning.

Explanation: SNMP encountered an error sending a response to a request.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: No response is sent to the current SNMP request. SNMPD processing continues with the next request.

Source File: snmp_io c

Procedure Name: send_SNMP_response

---

send_UDP *tcperror*

Severity: Warning.

Explanation: SNMP encountered an error sending a trap to a client by means of UDP.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: No trap is sent. SNMDP processing continues with the next request.

Source File: snmp_io c

Procedure Name: send_UDP_trap

---

snmp_init failed

Severity: Fatal.

Explanation: SNMPD initialization failed.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: This message is preceded by an error message indicating that a socket call or a bind failed for the SNMDP socket. Correct the errors indicated by the preceding error message.

System Action: SNMPD terminates.

Source File: mib_t c

Procedure Name: main

{str_setup: foo} {ps2pe failed: *ps_error***}**

Severity: Warning.

Explanation: The first message indicates that the setup of the presentation stream from the packet failed. The last message indicates an error converting the stream to a presentation element.

User or Operator Response: If the error persists, tell the system programmer about the problem.

System Programmer Response: Contact the IBM Support Center.

System Action: The current SNMP request is ignored. Processing continues with the next request.

Source File: snmp_par c

Procedure Name: parse_snmp

---

unknown SNMP request type

Severity: Warning.

Explanation: SNMP received a request PDU that was not an SNMP Get request, an SNMP GETNext request, or an SNMP Set request.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check the client that sent the request for errors.

System Action: The request is ignored. SNMPD processing continues with the next request.

Source File: snmp_par c

Procedure Name: parse_snmp

---

unknown socket type

Severity: Fatal.

Explanation: SNMP received a packet on an unknown type socket.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: SNMPD terminates.

Source File: snmp_io c

Procedure Name: handle_requests

---

usage: snmpd *<gated port number>*

Severity: Fatal.

Explanation: SNMPD was invoked with too many parameters; the correct command syntax is displayed.

Note: The angle brackets (< >) are literal in this message.

User or Operator Response: Restart SNMPD with the correct parameters. If SNMPD is started from a procedure or PROFILE EXEC, ask the system programmer to make the necessary corrections.

System Programmer Response: Correct the SNMPD start parameters.

System Action: SNMPD terminates.

Source File: mib_t c

Procedure Name: main

SNMPLIB Messages

SNM010E *command* **Invalid netmask or desired network specified**

Explanation: SNMP encountered an error converting an IP address specified in a command. This message indicates that the netmask or network specified is not valid.

User or Operator Response: If the command was issued at the NetView® command line, reenter the command with the correct network and netmask specified. If the command was issued from a NetView Clist, ask the system programmer to correct the CLIST.

System Programmer Response: If the command was issued from a NetView Clist, correct the NetView Clist to specify the correct network and netmask.

System Action: The command is ignored.

Source File: snmpsnmp assemble

Procedure Name: snmp

SNM011E *command* **Invalid function:** *function*

Explanation: An SNMP command specified an invalid function.

User or Operator Response: If the command was issued at the NetView command line, reenter the command with the correct function. If the command was issued from a NetView Clist, ask the system programmer to correct the CLIST.

System Programmer Response: If the command was issued from a NetView Clist, correct the NetView Clist to specify the correct function.

System Action: The command is ignored.

Source File: snmpsnmp assemble

Procedure Name: snmp

SNM012E *command* **Function** *function* **needs at least** *count* **parameter(s)**

Explanation: An SNMP command omitted required function parameters.

User or Operator Response: If the command was issued at the NetView command line, reenter the command with the correct parameters. If the command was issued from a NetView Clist, ask the system programmer to correct the CLIST.

System Programmer Response: If the command was issued from a NetView Clist, correct the NetView Clist to specify the correct parameters.

System Action: The command is aborted.

Source File: snmpsnmp assemble

Procedure Name: snmp

SNM013E   *command* **Missing function**

Explanation: An SNMP command omitted the required function specification.

User or Operator Response: If the command was issued at the NetView command line, reenter the command with the correct function specified. If the command was issued from a NetView Clist, ask the system programmer to correct the CLIST.

System Programmer Response: If the command was issued from a NetView Clist, correct the NetView Clist to specify the correct function.

System Action: The command is ignored

Source File: snmpsnmp assemble

Procedure Name: snmp

SNM014E   *command* **Missing variable name**

Explanation: An SNMP command omitted a variable name.

User or Operator Response: If the command was issued at the NetView command line, reenter the command with the correct variable name specified. If the command was issued from a NetView Clist, ask the system programmer to correct the CLIST.

System Programmer Response: If the command was issued from a NetView Clist, correct the NetView Clist to specify the correct variable name.

System Action: The command is aborted.

Source File: snmpsnmp assemble

Procedure Name: snmp

SNM015E   *command* **Missing set value for variable**

Explanation: SNMP encountered a SET function with no value specified.

User or Operator Response: If the command was issued at the NetView command line, reenter the command with the correct value for the set variable. If the command was issued from a NetView Clist, ask the system programmer to correct the CLIST.

System Programmer Response: If the command was issued from a NetView Clist, correct the NetView Clist to specify the correct value for the set variable.

System Action: The command is aborted.

Source File: snmpsnmp assemble

Procedure Name: snmp

SNM016E   *command* **Missing or invalid destination host identification**

Explanation: An SNMP command omitted a required host ID specification.

User or Operator Response: If the command was issued at the NetView command line, reenter the command with the correct host ID specified. If the command was issued from a NetView Clist, ask the system programmer to correct the CLIST.

System Programmer Response: If the command was issued from a NetView Clist, correct the NetView Clist to specify the correct host ID.

System Action: The command is aborted.

Source File: snmpsnmp assemble

Procedure Name: snmp

SNM017E   *command* **Missing community name**

Explanation: An SNMP command omitted a required community name specification.

User or Operator Response: If the command was issued at the NetView command line, reenter the command with the correct community name specified. If the command was issued from a NetView Clist, ask the system programmer to correct the CLIST.

System Programmer Response: If the command was issued from a NetView Clist, correct the NetView Clist to specify the correct community name.

System Action: The command is ignored.

Source File: snmpsnmp assemble

Procedure Name: snmp

SNM018E   *command* **Request rejected,** *task* **task not active**

Explanation: An SNMP request was rejected because the referenced SNMP IUCV task was not active.

User or Operator Response: Start the SNMPIUCV task first, wait for the connection with the SNMP Query Engine, and reissue the SNMP request.

System Programmer Response: None.

System Action: SNMP requests are rejected until the SNMPIUCV task is activated.

Source File: snmpsnmp assemble

Procedure Name: snmp

SNM019E   *command* **Request rejected,** *task* **task not (yet) connected**

Explanation: An SNMP request was rejected because the task *task* had not yet established an IUCV Connection with the SNMP Query Engine.

User or Operator Response: Wait for the connection to complete and reissue the SNMP request.

System Programmer Response: None.

System Action: The connection is still pending. The system continues operation.

Source File: snmpsnmp assemble

Procedure Name: snmp

SNM020E   *command* **Error** *error* **on DSIGET**

Explanation: SNMP encountered an error allocating memory for a packet.

User or Operator Response: Retry the command. If the error persists, contact the system programmer.

System Programmer Response: Use *error* value to determine the reason for the error. The cause of this error is probably not enough storage. See *NetView Customization: Using Assembler* for DSIGET error codes.

System Action: The command aborts. The system tries to continue operation.

Source File: snmpsnmp assemble

Procedure Name: snmp

SNMPLIB Messages

SNM021E   *command* **Error** *error* **on DSIMQS**

Explanation: SNMP encountered an error queuing a packet to the SNMP IUCV task.

User or Operator Response: Retry the command. If the error persists, contact the system programmer.

System Programmer Response: Use the *error* value to determine the reason for the error. See *NetView Customization: Using Assembler* for DSIMQS error codes.

System Action: The command is aborted. The system tries to continue operation.

Source File: snmpsnmp assemble

Procedure Name: snmp

SNM022E   *command* **Missing or invalid trap filter id**

Explanation: An SNMP command failed to specify or specified an invalid trap filter ID.

User or Operator Response: If the command was issued at the NetView command line, reenter the command with the correct trap filter ID specified. If the command was issued from a NetView Clist, ask the system programmer to correct the CLIST.

System Programmer Response: If the command was issued from a NetView Clist, correct the NetView Clist to specify the correct trap filter ID.

System Action: The command is aborted.

Source File: snmpsnmp assemble

Procedure Name: snmp

SNM051E   **SNMP Request** *request* **from** *origin* **discarded, MsgComplete IPAUDIT=X***value*

Explanation: SNMP received an IUCV Message Complete notification, indicating the message was discarded rather than received. Execution continues. The operator who issued the request is identified by *origin*, and *req* identifies the request that this operator issued.

User or Operator Response: Verify that the SNMP Query Engine is operating correctly, and reissue your SNMP request. If the error persists, tell the system programmer about the problem.

System Programmer Response: Determine why the IUCV Message was not received by the Query Engine. The IPAUDIT code can be used to determine the cause. For more information about the IPAUDIT value, see the *VM/ESA*: CP Programming Services*. Correct the situation, and reissue the SNMP request.

System Action: The system tries to continue operation, but discards the request that failed.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM052E   **SNMP Request** *request* **from** *originator* **discarded, IUCV SEND error (R15)=***error*

Explanation: SNMP encountered the indicated error, *err*, while attempting an IUCV SEND. Consequently, the indicated request, *req*, from the indicated user, *originator*, could not be processed and was discarded.

User or Operator Response: Ensure that the SNMP Query Engine is operating correctly. Ensure that the SNMPIUCV task is connected to the SNMP Query Engine. Reissue your SNMP request. If the error persists, tell the system programmer about the problem.

System Programmer Response: Determine the cause of the error by analyzing the error code. For more information about the IUCV SEND, see the *VM/ESA*: CP Programming Services*. Correct the situation and reissue the SNMP request.

System Action: The system continues to operate.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM053E   **SNMP Request** *request* **from** *originator* **discarded, IUCV Connection Severed**

Explanation: The indicated SNMP request, *req*, from operator, *originator*, was discarded because the SNMP IUCV connection was severed.

User or Operator Response: Reestablish the IUCV connection with the SNMP Query Engine and reissue your SNMP request.

System Programmer Response: None.

System Action: Because the connection was severed, no new SNMP requests are accepted until the connection with the SNMP Query Engine is reestablished.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM101W   **SNMP task** *task* **found Query Engine** *name* **not ready**

Explanation: SNMP attempted to connect to the Query Engine, but found the Query Engine was not ready. The *name* identifies the user ID of the Query Engine.

User or Operator Response: Start the SNMP query engine. If the Query Engine cannot be started, or if the problem persists, tell the system programmer about the problem.

System Programmer Response: Check the SNMP Query Engine log for error messages. Ensure that the *name* corresponds to the SNMPQE parameter in the SNMPARMS parameter list.

System Action: Depending on the reason that the engine is not ready, SNMP can abort this attempt to contact the engine or continue execution. The SNMP task *task* retries the connection to the Query Engine *name* based on the retry value specified in the SNMP initialization parameters.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM103E   **SNMP task** *task* **got error** *error* **on** *function sub-func*

Explanation: SNMP encountered the indicated error from the indicated IUCV function.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Use the *err* code and *function* and *sub_func* values to determine the cause of the error. For more information about the error code on the IUCV SEND, see the *VM/ESA*: CP Programming Services*. Correct the situation and retry the command.

System Action: The request is aborted. If possible, the system continues operation.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM104E **SNMP task** *task* **has** *count* **IUCV interrupts pending, path severed**

Explanation: SNMP received more IUCV interrupts than it can handle with its current preallocated queue. The indicated number of IUCV interrupts are pending. The IUCV path has been severed.

User or Operator Response: Tell the system programmer about the problem. You can reissue your SNMP requests after the connection with the SNMP Query Engine has been reestablished.

System Programmer Response: Ensure that you do not have a CLIST that issues SNMP requests in a endless loop. If the error persists, contact the IBM Support Center.

System Action: The system tries to reestablish the connection with the SNMP Query Engine and restart.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM105E **SNMP task** *task* **ignored IUCV interrupt, unexpected IPTYPE** *type*

Explanation: SNMP received an IUCV interrupt with an unexpected IPTYPE field.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Ensure that the version and level of SNMP Query Engine are in sync with the version of the SNMPIUCV task.

System Action: The interrupt is ignored. The system continues operation.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM106E **SNMP task** *task* **connection to Query Engine** *ID* **now severed**

Explanation: The IUCV connection between SNMP and the indicated query engine has been severed. The connection may be reopened.

User or Operator Response: Reestablish the connection with the SNMP Query Engine, if SNMP requests need to be issued.

System Programmer Response: None.

System Action: If any requests are still outstanding, the system discards them. Execution continues.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM107E **SNMP task** *task* **received sever for path=**stead*path*

Explanation: SNMP received notification of a severed IUCV connection for the indicated path. SNMP did not have this connection open before this notification.

User or Operator Response: If the error persists, contact the system programmer.

System Programmer Response: Contact the IBM Support Center.

System Action: The system continues operation.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM108E **SNMP task** *task* **cannot find IUCV PC numbers in CVT.**

Explanation: SNMP could not locate the IUCV Program Call numbers.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Ensure that TCP/IP has been installed correctly on your VM/ESA system.

System Action: Initialization is terminated. The SNMPIUCV task cannot operate in this situation.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM120W **SNMP task** *task* **got error** *error* **on DSIGET**

Explanation: SNMPIUCV encountered an error allocating memory with a DSIGET call.

User or Operator Response: If the error persists, tell the system programmer about the problem.

System Programmer Response: Use the *error* value to determine the reason for the error. The probable cause of the error is not enough storage. See *NetView Customization: Using Assembler* for DSIGET error codes. If the error indicates not enough storage, allocate more virtual storage to the NetView virtual machine.

System Action: During initialization, this error can prevent the startup of the SNMPIUCV task. During normal operation, this error can cause one or more SNMP requests to fail, or never receive a response.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM121W **SNMP task** *task* **incoming packet has invalid packet length** *length*

Explanation: SNMP received a packet with an invalid length.

User or Operator Response: If the error persists, tell the system programmer about the problem.

System Programmer Response: Ensure that you have a correct level of the SNMP Query Engine that is in sync with the SNMPIUCV task on NetView side.

System Action: Invalid packets are ignored.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM122W **SNMP task** *task* **incoming packet has invalid character set** *value*

Explanation: SNMP received a packet specifying an invalid character set.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Ensure that the version and level of SNMP Query Engine are in sync with the version of the SNMPIUCV task.

System Action: The packet is ignored. The system continues operation.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM123W   SNMP task *task* **incoming packet has invalid packet type** *value*

Explanation: SNMP received a packet with an invalid packet type.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Ensure that the version and level of SNMP Query Engine are in sync with the version of the SNMPIUCV task.

System Action: The packet is ignored. The system continues operation.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM127W   SNMP task *task* **got error** *error* **on DSIDKS**

Explanation: An error occurred while using DSIDKS to read the initialization parameters for SNMPIUCV.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Use the *err* value to determine the reason for the error. See *NetView Customization: Using Assembler* for DSIDKS error codes.

System Action: The system continues and uses the internal defaults as startup parameters.

Source File: snmptask assemble

Procedure Name: snmpicuv

SNM128W   SNMP task *task* **found missing value or invalid value for** *parameter*

Explanation: SNMP encountered an initialization parameter with a missing or invalid value.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the missing or invalid value in SNMPARMS.

System Action: The missing or invalid value is ignored, and the default value is used. Initialization continues.

Source File: snmptask assemble

Procedure Name: snmpiucv

SNM129W   SNMP task *task* **found invalid initialization parameter** *value*

Explanation: SNMP encountered an invalid initialization parameter.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the invalid initialization parameter in SNMPARMS.

System Action: The invalid initialization parameter is ignored. Initialization continues and assumes the default value for the invalid parameter.

Source File: snmptask assemble

Procedure Name: snmpiucv

SQESERV Messages

This section contains SQESERV messages

---

cannot open MIB description file: *file*

Severity: Warning.

Explanation: The SQE server could not open the MIB description file. The file is identified by *file*.

User or Operator Response: Ensure that the MIB description file is accessible to the SQESERV module. This file should be named MIB_DESC DATA, and should be located on a minidisk accessed by the SNMPQE ID.

System Programmer Response: None.

System Action: Processing continues; however, the MIB description file is not read. Descriptive variable names (for example, sysDescr) are not accepted in SNMP commands and the SNMP SET command fails.

Source File: snmpdesc c

Procedure Name: read_mib_desc_tbl

---

create_SNMP_port : : socket *tcperror*

Severity: Fatal.

Explanation: A socket() call failed attempting to create an SNMP port. The port could not be created.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: The SQESERV module is terminated.

Source File: snmpsend c

Procedure Name: create_SNMP_port

---

create_SNMP_port: bind *tcperror*

Severity: Fatal.

Explanation: A bind() call failed attempting to create an SNMP port. The port could not be created.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For tcperror codes, see the *TCP/IP Programmer's Reference*, and more information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: The SQESERV module is terminated.

Source File: snmpsend c

Procedure Name: create_SNMP_port

make_SNMP_packet: cannot parse packet (pe2ps)

Severity: Warning.

Explanation: The SQE server could not parse an SNMP request because of an error converting a presentation element to a presentation stream.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Invalid data was passed in the SNMP request. Check the application program that initiated the request. If you are using an IBM application program (for example, NetView), contact the IBM Support Center.

System Action: The request is ignored. Processing continues with the next request.

Source File: snmppars c

Procedure Name: make_SNMP_request

---

make_SNMP_packet: cannot parse packet (ps_alloc)

Severity: Warning.

Explanation: The SQE server could not allocate sufficient memory to parse a packet.

User or Operator Response: If the error persists, tell the system programmer about the problem.

System Programmer Response: Increase the virtual storage on the SNMPQE virtual machine.

System Action: The request is ignored. Processing continues with the next request.

Source File: snmppars c

Procedure Name: make_SNMP_request

---

make_SNMP_packet: cannot parse packet (str_setup)

Severity: Warning.

Explanation: The SQE server could not parse an SNMP request because sufficient memory could not be allocated.

User or Operator Response: If the error persists, tell the system programmer about the problem.

System Programmer Response: Increase the virtual storage on the SNMPQE virtual machine.

System Action: The request is ignored. Processing continues with the next request.

Source File: snmppars c

Procedure Name: make_SNMP_request

---

make_SNMP_packet: illegal SNMP request: *request*

Severity: Warning.

Explanation: The SQE server encountered an illegal SNMP request.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Contact the IBM Support Center.

System Action: The request is ignored. Processing continues with the next request.

Source File: snmppars c

Procedure Name: make_SNMP_request

---

make_SNMP_packet: no MIB type defined: *name*

Severity: Error.

Explanation: An application has tried to issue an SNMP Set request for an object for which no MIB description data is known.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Add the relevant data to the MIB description file and restart SQESERV. This is the MIB_DESC DATA file.

System Action: The request is ignored. Processing continues with the next request.

Source File: snmppars c

Procedure Name: make_SNMP_request

---

make_SNMP_request: illegal object identifier: *id*

Severity: Warning.

Explanation: The SQE server encountered an illegal object identifier, which is ignored.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: An application has provided an illegal object identifier. Identify the application and correct the error. If you are using an IBM application program (for example, NetView), contact the IBM Support Center.

System Action: The request is ignored. Processing continues with the next request.

Source File: snmppars c

Procedure Name: make_SNMP_request

---

out of memory in cache_object (new)

Severity: Warning.

Explanation: The SQE server could not allocate memory to add a new object to a list.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Increase the virtual storage for the SNMPQE virtual machine.

System Action: Processing continues. No caching is done.

Source File: sqecache c

Procedure Name: cache_object

---

out of memory in cache_object *name*

Severity: Warning.

Explanation: The SQE server could not allocate enough memory to add an object to a list.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Increase the virtual storage for the SNMPQE virtual machine.

System Action: Processing continues. No caching is done.

Source File: sqecache c

Procedure Name: cache_object

parse_SNMP_packet: cannot parse packet (decode)

Severity: Warning.

Explanation: The SQE server encountered an error decoding an SNMP request.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Identify the agent that sent the incorrect request and correct any problems at that agent.

System Action: The request is ignored. Processing continues with the next request.

Source File: snmppars c

Procedure Name: parse_SNMP_packet

---

parse_SNMP_packet: cannot parse packet (ps_alloc)

Severity: Warning.

Explanation: The SQE server could not parse an SNMP request because sufficient memory could not be allocated.

User or Operator Response: If the error persists, tell the system programmer about the problem.

System Programmer Response: Increase the virtual storage for the SNMPQE virtual machine.

System Action: The request is ignored. Processing continues with the next request.

Source File: snmppars c

Procedure Name: parse_SNMP_packet

---

parse_SNMP_packet: cannot parse packet (ps2pe)

Severity: Warning.

Explanation: The SQE server could not parse an SNMP request because of an error converting a presentation stream to a presentation element.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Contact the IBM Support Center.

System Action: The request is ignored. Processing continues with the next request.

Source File: snmppars c

Procedure Name: parse_SNMP_packet

---

parse_SNMP_packet: cannot parse packet (str_setup)

Severity: Warning.

Explanation: The SQE server could not parse an SNMP request because sufficient memory could not be allocated.

User or Operator Response: If the error persists, tell the system programmer about the problem.

System Programmer Response: Increase the virtual storage for the SNMPQE virtual machine.

System Action: The request is ignored. Processing continues with the next request.

Source File: snmppars c

Procedure Name: parse_SNMP_packet

---

parse_SNMP_packet: corrupted packet

Severity: Warning.

Explanation: The SNMP server encountered a corrupted packet. There is a problem with the agent that sent the request.

User or Operator Response: Identify the SNMP agent that sent the incorrect packet and correct any errors.

System Programmer Response: None.

System Action: The request is ignored. Processing continues with the next request.

Source File: snmppars c

Procedure Name: parse_SNMP_packet

---

resolver not yet supported

Severity: Warning.

Explanation: The SQE server encountered a Q_RESOLVER_RESPONSE request, which is not currently supported.

User or Operator Response: None

System Programmer Response: None

System Action: The request is ignored. Processing continues with the next request.

Source File: sqequeue c

Procedure Name: queue_entry

---

select failed in await_queries

Severity: Fatal.

Explanation: The SQE server encountered an error issuing a select function call to determine if any queries were outstanding.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: The SQESERV module terminates with exit code 1.

Source File: sqeserv c

Procedure Name: await_queries

SQEE001 — Can't make UDP port

Severity: Fatal.

Explanation: The SQE server could not make the SNMP UDP port.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: This error message is preceded by a message indicating an error with either the socket or bind request. For information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: The SQESERV module terminates with exit code 1.

Source File: sqeserv c

Procedure Name: create_ports

SQEE002 –– Can't make SNMP trap port

Severity: Fatal.

Explanation: The SQE server cannot make the SNMP trap port because of a socket call failure or a bind failure.

User or Operator Response: Ensure that another SQESERV program is not already running. Only one SQESERV program can use the SNMP trap port. If this is the only SQESERV program attempting to run, contact your system programmer.

System Programmer Response: Ensure the user is allowed to use the reserved port by making the appropriate PORT entries in TCPIP PROFILE. For information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: The SQESERV module terminates with exit code 1.

Source File: sqeserv c

Procedure Name: create_ports

SQEE003 –– Can't do TCP listen

Severity: Fatal.

Explanation: The SQE server encountered an error attempting a TCP listen.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: The SQESERV module terminates with exit code 1.

Source File: sqeserv c

Procedure Name: create_ports

SQEE004 –– Can't do IUCV listen

Severity: Fatal.

Explanation: The SQE server encountered an error attempting an IUCV listen.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: For information about correcting socket problems, see Chapter 10, "Remote Procedure Call Messages" on page 105.

System Action: The SQESERV module terminates with exit code 1.

Source File: sqeserv c

Procedure Name: create_ports

SQEW001 –– Can't make raw ICMP socket

Severity: Warning.

Explanation: The SQE server encountered an error making the PING port.

User or Operator Response: Ensure the user is permitted to use RAW sockets.

System Programmer Response: Add SNMPQE to the OBEY list of PROFILE TCPIP, if it is not already there.

System Action: Processing continues without the raw socket. SNMP Ping requests fail.

Source File: sqeserv c

Procedure Name: create_ports

store_SNMP_var: unknown MIB type: *type*

Severity: Warning.

Explanation: The SQE server received a response containing an object with an unknown MIB type.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Identify the agent sending the incorrect response and correct any problems with the agent.

System Action: The request is ignored. The object is not processed. Processing continues with the next request.

Source File: snmppars c

Procedure Name: store_SNMP_var

unknown MIB type: *type*

Severity: Warning.

Explanation: The SQE server encountered an unknown type field in the MIB description file.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the MIB description file, the MIB_DESC DATA file, and restart SQESERV.

System Action: Processing continues.

Source File: snmpdesc c

Procedure Name: read_mib_desc_tbl

Chapter 17. TCP/IP Server Messages

| This chapter contains TCPIP server messages.

| ## Unnumbered Messages

| **Error writing file** *fileid* **on disk — output halted**

| **Severity:** Warning.

| **Explanation:** TCPIP encountered an error writing the indicated file.

| **User or Operator Response:** Contact the system programmer.

| **System Programmer Response:** Examine the TCPIP virtual
| machine console log to determine the cause of the error. The
| probable cause is that the disk or directory is full, in which case a
| CMS disk full message should appear immediately before this error.
| Erase any unnecessary files on the disk or directory, or increase its
| size or allocation limit to avoid the problem.

| **System Action:** Output to the file terminates.

| **Source File:** TCUTIL PASCAL

| **Procedure Name:** ReportIoError

| ## Numbered Messages

| **DTCATM002I ATM device** *name***: Started sense on** *device***;**
| **SIOCC** *code*

| **Explanation:** A Sense operation was started on an ATM *device* but
| received an unexpected condition *code*.

| **System Action:** The device is shut down.

| **System Programmer Response:** Ensure that the OSA hardware is
| operational. If the problem persists, report it to the IBM Support
| Center.

| **DTCATM003I ATM device** *name***: Cannot get** *size***-byte envelope**
| **for** *purpose*

| **Explanation:** An envelope of *size* bytes was required to hold a
| datagram for the indicated *purpose* but no envelopes were available.

| **System Action:** The datagram is dropped.

| **System Programmer Response:** Increase the TCPIP virtual
| machine storage size.

| **DTCATM011E ATM device** *name***: Unexpected SIOCC** *code* **from**
| **Write IDX operation on** *device*

| **Explanation:** The initial write to an ATM *device* failed because of
| an unexpected condition *code*.

| **System Action:** The device is shut down.

| **System Programmer Response:** Ensure that the OSA hardware is
| operational. If the problem persists, report it to the IBM Support
| Center.

| **DTCATM012E IDX Activate failed on input device** *address* **with**
| **cause code** *failure*

| **Explanation:** The activation of the ATM input device at *address*
| was rejected with a *failure* code.

| **System Action:** The device is shut down.

| **System Programmer Response:** Report the problem to the IBM
| Support Center.

| **DTCATM021E ATM device** *name***: Unexpected SIOCC** *code* **from**
| **Read IDX operation on** *device*

| **Explanation:** The initial read from an ATM *device* failed because of
| an unexpected condition *code*.

| **System Action:** The device is shut down.

| **System Programmer Response:** Ensure that the OSA hardware is
| operational. If the problem persists, report it to the IBM Support
| Center.

| **DTCATM022E IDX Activate failed on output device** *address* **with**
| **cause code** *failure*

| **Explanation:** The activation of the ATM output device at *address*
| was rejected with a *failure* code.

| **System Action:** The device is shut down.

| **System Programmer Response:** Report the problem to the IBM
| Support Center.

| **DTCATM041I ATM device** *name***: PackWrites flushing**
| **EnvelopeQueue - Device status:** *state*

| **Explanation:** TCPIP is attempting to pack data for a write
| operation, but the ATM device is either not yet initialized or is
| shutting down. The outgoing packets are discarded. If the device is
| in the process of being initialized, it will become available to TCPIP
| once its initialization is complete. If the device is in the process of
| being shut down, it will become unavailable to TCPIP once its
| shutdown is complete.

| **DTCATM045E ATM device** *name***: Error getting XA subchannel id**
| **for** *input* **or** *output*

| **Explanation:** TCPIP could not determine the subchannel identifier
| corresponding to one or both of the ATM devices.

| **System Action:** The device is shut down.

| **System Programmer Response:** Ensure that both the ATM read
| and write devices are attached to the TCPIP virtual machine.

| **DTCATM050I ToAtm: OSA reports** *count* **local addresses for**
| **device** *name*

| **Explanation:** More than one ATM physical address is associated
| with device *name*.

| **System Action:** TCPIP uses the first ATM physical address.

| **DTCATM051I ToAtm: OSA reports local address** *nsap* **for device**
| *name*

| **Explanation:** The ATM physical address for device *name* is
| displayed.

DTCATM066E ATM device *name*: **ToAtm UnpackReads:** **Termination failure code** *failure*

Explanation: OSA has terminated the operation of ATM device *name* because it detected a *failure* condition.

System Action: The device is shut down.

System Programmer Response: Based on the *failure* code, take action as follows:

Code	Action
04	Ensure that the pair of real OSA-2 device numbers attached to TCPIP are associated with the same adapter and that the even device number is attached as the virtual device number specified on the DEVICE statement.
10	The pair of real OSA-2 device numbers attached to TCPIP have been quiesced. Correct the situation and restart the device.
other	Report the problem to the IBM Support Center.

DTCATM069I ATM device *name*: **ToAtm: Deferred SioCC** *code* **on** *device*

Explanation: An I/O operation to a *device* received a deferred condition code.

System Action: If the *code* is 0, TCPIP continues with the operation on the device. Otherwise, if the operation is to the output address, TCPIP purges the output envelope queue; if it is to the input address, TCPIP retries the read operation after 30 seconds.

System Programmer Response: Ensure that the OSA hardware is operational. If the problem persists, report it to the IBM Support Center.

DTCATM070I ATM device *name*: **ToAtm: Sio returned** *code* **on** *device*

Explanation: An I/O operation to a *device* received the indicated condition *code*.

System Action: TCPIP continues. If the *code* is nonzero, other messages indicate how the condition is handled.

System Programmer Response: Ensure that the OSA hardware is operational. If the problem persists, report it to the IBM Support Center.

DTCATM071E ToAtm: Diagnose 98 error code *code*

Explanation: An error *code* was reported by Diagnose 98.

System Action: TCPIP continues.

System Programmer Response: Determine the cause of the error using the information about Diag 98 error codes in the *TCP/IP Diagnosis Guide* and respond as indicated.

DTCATM073I ATM device *name*: **Stored CSW is:** *csw*

Explanation: TCPIP attempted to start an I/O operation to the device and an error occurred. The Channel Status Word (CSW) from the I/O operation is indicated in the message.

System Action: If the operation is to the output address, TCPIP purges the output envelope queue. If it is to the input address, TCPIP retries the read operation after 30 seconds.

System Programmer Response: Ensure that the OSA hardware is operational. If the problem persists, report it to the IBM Support Center.

DTCATM079E ATM device *name*: **Unexpected SIOCC** *code* **from Senseld operation on** *device*

Explanation: TCPIP was attempting to validate the ATM *device* but received a nonzero condition *code* in response to a Sense ID operation.

System Action: The device is shut down.

System Programmer Response: Ensure that the *device* is attached to TCPIP. Verify that the OSA hardware is operational. If the problem persists, report it to the IBM Support Center.

DTCATM080I ATM initializing:

Explanation: TCP/IP is initializing the ATM device described in subsequent messages.

DTCATM081E Link *name* **specifies invalid network type** *net_type* **- ATM will not be initialized**

Explanation: A *link* for an ATM device is not of type ATM.

System Action: The device is shut down.

System Programmer Response: Correct the LINK statement.

DTCATM082E ATM shutting down:

Explanation: TCP/IP is terminating the ATM device described in subsequent messages.

System Programmer Response: If the device was not terminated explicitly, examine the TCPIP console log to determine why the device was shut down. If necessary, take corrective action as described for the message explaining the shut down.

DTCATM083E ATM device *name*: **Unexpected CSW from Senseld command on** *device*

Explanation: TCPIP was attempting to validate the ATM *device* but received an unusual Channel Status Word in response to a Sense ID operation.

System Action: The device is shut down.

System Programmer Response: Ensure that the *device* is attached to TCPIP. Verify that the OSA hardware is operational. If the problem persists, report it to the IBM Support Center.

DTCATM084E ATM device *name*: **Unexpected Sense ID data:** *sense_data* **on** *device*

Explanation: TCPIP was attempting to validate the ATM *device* but received *sense_data* in response to a Sense ID operation.

System Action: The device is shut down.

System Programmer Response: Ensure that the *device* is an OSA-2. Verify that the OSA hardware is operational. If the problem persists, report it to the IBM Support Center.

DTCATM087I ATM device *name*: **Sense data for** *device*: *sense_data*

Explanation: In response to a Unit Check condition on *device*, TCPIP issued a Sense operation and received *sense_data* in response.

System Action: The device is shut down.

System Programmer Response: Ensure that the OSA hardware is operational. If the problem persists, report it to the IBM Support Center.

| **DTCATM089E ATM device** *name***: Channel error on** *device*

| **Explanation:** TCPIP received a channel error on *device*.

| **System Action:** If the operation is to the output address, TCPIP
| purges the output envelope queue. If it is to the input address,
| TCPIP retries the read operation after 30 seconds.

| **System Programmer Response:** Ensure that the OSA hardware is
| operational. If the problem persists, report it to the IBM Support
| Center.

| **DTCATM091E ATM device** *name***: Received DEVICEend interrupt**
| **on** *device* **-- probable OSA restart**

| **Explanation:** TCPIP received an unsolicited Device End interrupt
| on OSA *device*.

| **System Action:** The device is restarted.

| **System Programmer Response:** Ensure that the OSA hardware is
| operational. If the problem persists, report it to the IBM Support
| Center.

| **DTCATM092E ATM device** *name***: Unit Check on** *device*

| **Explanation:** TCPIP received a Unit Check on *device*.

| **System Action:** The device is shut down.

| **System Programmer Response:** Ensure that the OSA hardware is
| operational. If the problem persists, report it to the IBM Support
| Center.

| **DTCATM093E ATM device** *name***: Unit Exception on** *device*

| **Explanation:** TCPIP received a Unit Exception on *device*.

| **System Action:** If the operation is to the output address, TCPIP
| purges the output envelope queue. If it is to the input address,
| TCPIP retries the read operation after 30 seconds.

| **System Programmer Response:** Ensure that the OSA hardware is
| operational. If the problem persists, report it to the IBM Support
| Center.

| **DTCATM094E ATM device** *name***: Unknown interrupt on** *device*

| **Explanation:** TCPIP received an unidentified interrupt on *device*.

| **System Action:** None.

| **System Programmer Response:** Ensure that the OSA hardware is
| operational. If the problem persists, report it to the IBM Support
| Center.

| **DTCATM111I ToAtm: Incoming requests enabled for device**
| *name*

| **Explanation:** Device *name* is accepting requests to establish
| switched virtual circuits.

| **System Action:** None.

| **DTCATM112I ToAtm: Starting PVC** *pvc* **for link** *name*

| **Explanation:** Private Virtual Circuit *pvc* for link *name* is being
| started.

| **System Action:** None.

| **DTCATM113I ToAtm: Started PVC** *pvc* **for link** *name*

| **Explanation:** Private Virtual Circuit *pvc* for link *name* has been
| established.

| **System Action:** None.

| **DTCATM118I ToAtm: Stopping PVC** *pvc* **for link** *name*

| **Explanation:** Private Virtual Circuit *pvc* for link *name* is being
| stopped.

| **System Action:** None.

| **DTCATM120I ToAtm: Incoming requests disabled for device**
| *name*

| **Explanation:** Device *name* is no longer accepting requests to
| establish switched virtual circuits.

| **System Action:** None.

| **DTCATM208I AtmArpIn: AddTranslation failed**

| **Explanation:** An attempt to add an entry to the address translation
| table was unsuccessful.

| **System Action:** Traffic cannot be routed to a destination in the
| ATM network.

| **System Programmer Response:** Increase the TCPIP virtual
| machine storage size. If the problem persists, report it to the IBM
| Support Center.

DTCA22003I A220 device *device_name***: Cannot get envelope**
error

Explanation: TCPIP attempted to get an envelope to receive the
data, but no envelopes were available. The packet is discarded.

System Action: TCPIP continues.

User or Operator Response: Tell the system programmer about
the error.

System Programmer Response: Increase the envelope pool size
using the ENVELOPEPOOLSIZE statement in the PROFILE TCPIP
file.

DTCA22009I A220 device *device_name***: PackWrites flushing**
EnvelopeQueue. Device status: *status*

Explanation: The HYPERchannel A220 adapter driver is flushing
envelopes that are queued for output because the device is not
ready for output. The packets in the envelopes are dropped and the
envelopes freed to receive other data. The status in the message
indicates whether the device is currently initializing.

System Action: The queued envelopes are returned to the free
pool and device initialization continues if it was already in progress.

User or Operator Response: None.

System Programmer Response: None.

DTCA22017I A220 device *device_name***: ToA220: Deferred**
SioCC *rc* **on device** *device*

Explanation: A deferred condition code was received.

System Action: TCPIP continues.

User or Operator Response: If the condition code is 2 or 3, check
for hardware problems. If other problems are indicated, you will
receive more messages.

System Programmer Response: None.

DTCA22019I   A220 device *device_name***: ToA220: Sio returned** *rc*
on device *device*

Explanation: A condition code was received.

System Action: TCPIP continues.

User or Operator Response: If the condition code is 2 or 3, check
for hardware problems. If other problems are indicated, you will
receive more messages.

System Programmer Response: None.

DTCA22020I   A220 device *device_name***: ToA220: Sio returned** *rc*
on device *device* **Diag 98 error code** *code*

Explanation: A diagnostic call returned the indicated error. For
more information about Diag 98 error codes, see the book *TCP/IP
Planning and Customization*.

System Action: TCPIP continues.

User or Operator Response: Consult the *TCP/IP Diagnosis Guide*
for an explanation of Diag 98 error codes and take the indicated
action.

System Programmer Response: None.

DTCA22021I   A220 device *device_name***: Stored CSW is:**
channel_status_word

Explanation: The stored channel status word (CSW) is displayed.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCA22026I   A220 device *device_name***: Unexpected SIOCC** *rc*
from SenseSt operation.

Explanation: A Sense Status command was unsuccessful.
Initialization of this device stops.

System Action: TCPIP continues.

User or Operator Response: Check your hardware and the
PROFILE TCPIP files for the host and the HYPERchannel A220
adapter for errors. The most likely error is that the device was not
started.

System Programmer Response: Assist the user as necessary.

DTCA22027I   A220 initializing: *device*

Explanation: The HYPERchannel A220 adapter is initializing the
indicated device.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCA22028I   Link *link* **specifies invalid network type**
*network_type***. A220 will not be initialized**

Explanation: The indicated LINK statement specifies a network
type not recognized by TCPIP. The HYPERchannel A220 adapter is
not initialized.

System Action: TCPIP continues.

User or Operator Response: Check the LINK statement for the
associated device in the PROFILE TCPIP file to make sure that it
specifies a valid network type.

System Programmer Response: Assist the user as necessary.

DTCA22029E   A220 shutting down:

Explanation: The HYPERchannel A220 adapter is shutting down
because of an error or a user request.

System Action: TCPIP halts.

User or Operator Response: Check the other console messages
to determine the cause of the shutdown.

System Programmer Response: None.

DTCA22030I   A220 device *device_name***: Unexpected CSW from**
SenseStatistics command on device *device*

Explanation: A SenseStatistics command was unsuccessful.
Initialization of this device stops.

System Action: TCPIP continues.

User or Operator Response: Check your hardware and the
PROFILE TCPIP files of the associated devices for errors.

System Programmer Response: Assist the user as necessary.

DTCA22034I   A220 device *device_name***: Channel error on**
device *device*

Explanation: An unexpected channel error was encountered.
TCPIP expected to find the channel open, but the channel is closed
or in use.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: Check the DEVICE and LINK
statements in the PROFILE TCPIP file to make sure the device is
properly configured. If the statements are properly configured, check
your hardware for errors. For more information on DEVICE and
LINK statements, see the book *TCP/IP Planning and Customization*.

DTCA22037I   A220 device *device_name***: Received DEVICEend**
on device *device* **--probable A220 reset**

Explanation: The indicated device was interrupted, which probably
means the device was reset. A message should follow indicating
that TCPIP is attempting to restart the device.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: If the device is unable to perform
a restart, take it off line and consult the operator's manual to
determine the correct troubleshooting procedure.

DTCA22038I   A220 device *device_name***: Unknown interrupt on**
device *device*

Explanation: The indicated device encountered an unexpected
interrupt.

System Action: TCPIP continues.

User or Operator Response: Check your hardware for errors.

System Programmer Response: None.

DTCA22041I A220 device *device_name*: **Dropping too-large output packet** *length_of_data* **bytes**

Explanation: The output packet exceeded the size of the HYPERchannel A220 adapter's data buffer. TCPIP dropped the packet.

System Action: TCPIP continues.

User or Operator Response: Check the PROFILE TCPIP file for the host and the A220 device to make sure that the maximum packet sizes are compatible.

System Programmer Response: If necessary, increase the size of the envelopes using the ENVELOPEPOOLSIZE statement in the PROFILE TCPIP file. For more information about the ENVELOPEPOOLSIZE statement, see the book *TCP/IP Planning and Customization*.

DTCA22042I A220 device *device_name*: **Dropping packet for host** *host_address* **-- HCH address not known**

Explanation: The HYPERchannel A220 adapter is dropping a packet for the indicated host because the hyperchannel address of the host is not known.

System Action: TCPIP continues.

User or Operator Response: Notify the system programmer of the error.

System Programmer Response: Check the HOME table in the PROFILE TCPIP file to make sure that there is a valid home hardware address specified for the indicated link. For more information on home hardware addresses, see the book *TCP/IP Planning and Customization*.

DTCA22043I A220 device *device_name*: **UnpackReads dropping too-large packet,** *number* **bytes, current max** *maximum_packet_size*

Explanation: The HYPERchannel A220 adapter received a datagram that was too large to fit into an envelope. The datagram was dropped.

System Action: TCPIP continues.

User or Operator Response: Notify your system programmer of the error.

System Programmer Response: Increase the large envelope size available to the A220 device using the ENVELOPEPOOLSIZE statement in the PROFILE TCPIP file. For more information about the ENVELOPEPOOLSIZE statement, see the book *TCP/IP Planning and Customization*.

DTCA22044I A220 device *device_name*: **Error getting XA subchan id for** *input_address* **or** *output_address*

Explanation: The device address specified on the DEVICE statement for the HYPERchannel A220 adapter in the PROFILE TCPIP file could not be converted to an XA subchannel ID. All I/O operations in XA mode are performed based on a subchannel ID. The A220 device is not started.

System Action: TCPIP continues.

User or Operator Response: Notify the system programmer of the error.

System Programmer Response: Make sure that the indicated devices are online and connected to the A220 adapter at the proper ports with the proper addresses configured. Also make sure that the address specified in the DEVICE statement in the PROFILE TCPIP file matches the actual addresses for the A220 device.

DTCA22046I Exceeded unit check retry limit *maxretries* **on device** *device*

Explanation: TCPIP has exceeded the limit for the number of attempts to restart the specified device. The device is not initialized.

System Action: TCPIP continues.

User or Operator Response: Notify the system programmer of the error.

System Programmer Response: Check the PROFILE TCPIP file to make sure that the DEVICE and LINK statements for the device are properly configured. If the statements are correct, consult the operator's manual for the device to determine the correct troubleshooting procedure.

DTCA22047I A220 device *device_name*: **Sense data for device** *device*: *senseinfo*

Explanation: This message displays sense information for the indicated device.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET003I ILANS device *device_name*: **DispatchTr: Cannot process ARP packet; home hardware address not known**

Explanation: The ARP packet cannot be processed because the IP address has not been found in the ARP cache.

System Action: TCPIP continues.

User or Operator Response: Check the HOME statement in your PROFILE TCPIP file to make sure that the address is valid and in the correct format. See the book *TCP/IP Planning and Customization* for more information on the HOME statement.

System Programmer Response: Assist the user as needed.

DTCCET005I ILANS device *device_name*: **SET_NET_PARMS.confirm:**

Explanation: CETI parameters are being checked. A status message will follow.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET006I Completion status *status*, **Extended Status** *status*

Explanation: TCPIP completed checking the CETI parameters and is displaying status information.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET007I ILANS initialization aborted due to error

Explanation: Initialization ended due to an error in the network parameter check.

System Action: TCPIP halts.

User or Operator Response: Check the DEVICE and LINK statements to make sure that they are correctly configured. For more information on the DEVICE and LINK statements, see the book *TCP/IP Planning and Customization*.

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System Programmer Response: None.

DTCCET008I ILANS device *device_name*: **Sending DLM_RTV_ATTRIB.request**

Explanation: A request was sent to obtain the hardware address; a status message will follow in message DTCCET009I.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET009I ILANS device *device_name*: **DLM_RTV_ATTRIB.confirm: Completion status** *status*

Explanation: The hardware address is obtained and checked, as requested (DTCCET008I) and the status is displayed.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET010I ILANS initialization aborted due to error

Explanation: Initialization ended because the requested hardware address was not confirmed.

System Action: TCPIP continues.

User or Operator Response: Check the HOME statement in your PROFILE TCPIP file to make sure that the address is valid and in the correct format. See the book *TCP/IP Planning and Customization* for more information on the HOME statement.

System Programmer Response: None.

DTCCET011I Node address: *address*

Explanation: This message displays the address of the node that is currently active and adds this node address to the IP translation tables.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET012I ILANS device *device_name*: **Sending DL_ACTIVATE_SAP.request**

Explanation: A request to open the Logical Link Control Service Access Point (LLC SAP) to send and receive unsequenced information frames is being sent.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET013I LengthOfLinkRelated *length* **AddressNotRecognized** *address* **FrameNotCopied** *frame*

Explanation: The length of the link and destination address are displayed. The frame was not copied because the specified address was not known.

System Action: TCPIP continues.

User or Operator Response: Check the HOME statement in your

PROFILE TCPIP file to make sure that the address is valid and in the correct format. See the book *TCP/IP Planning and Customization* for more information on the HOME statement.

System Programmer Response: Assist the user as necessary.

DTCCET014I TransmitStrip *strip* **UnauthorizedAp** *application* **UnauthorizedMf** *message file*

Explanation: This message displays unauthorized applications or files.

System Action: TCPIP continues.

User or Operator Response: Check the ALLOWAPPL statement in the PROFILE TCPIP file to make sure it specifies the application name. See the book *TCP/IP Planning and Customization* for more information on the ALLOWAPPL statement.

System Programmer Response: Assist the user as necessary.

DTCCET015I SoftError *error* **TransmitBeacon** *beacon* **IoaStatusOverrun** *status* **Frames discarded** *frames* **Spurious Interrupt count**

Explanation: ILANS displays a message indicating that there is a problem with a ring, which might require that the data be retransmitted. The counter for the frequency of soft errors is incremented. If T(soft_error_report) has expired, a Report Soft Error MAC frame is transmitted by the ring station, after which the ring station resets the counter.

System Action: TCPIP continues.

User or Operator Response: If the ring does not recover, notify your LAN manager.

System Programmer Response: None.

DTCCET017I FramesTxed *number* **FramesRxed** *number* **MacFramesTxed** *number* **MacFramesRxed** *number*

> **Note**
>
> **This message, and the following 8 messages are displayed within a table and provide reference information.**

Explanation: Displays frames (including MAC frames) that were transmitted and received.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET018I RiFramesTxed *number* **RiFramesRxed** *number* **LineError** *error*

Explanation: This message displays frames that were sent by the ring station due to an error in frame sequencing.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET019I Internal Error *error* **BurstError** *error* **AriFciError** *error*

Explanation: This message indicates an internal error, possibly related to another ring station. It also displays the number of frames that are not being received as a result of the internal error.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET020I AbortDelimiter *delimiter* **LostFrame** *number* **RxCongestion** *congestion*

Explanation: The station has not seen a starting delimiter for a frame within a specified time. The possible cause is that the input buffer of the station is full and cannot copy the frame. Since the frame is not copied during several tries, the originating ring station discards the frame when it returns. Frames that are not copied as a result of the congestion are displayed. The receiver-congestion notification is sent to the LAN manager.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET021I FrameCopiedError *error* **FrequencyError** *error* **TokenError** *error*

Explanation: The ring station has detected that the error detected-bit is set to B'1' indicating that a token needs to be transmitted. Frames that have not been copied as a result of this error are displayed.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET022I DmaBusError *error* **DmaParityError** *error* **AddressNotRecognized** *address*

Explanation: The destination address was not recognized due to an error in parity check.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET023I FrameNotCopiedError *number* **TransmitStripError** *error* **UnauthorizedAp** *application*

Explanation: This message indicates that TCPIP encountered an unauthorized application which resulted in an error with frames being transmitted.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET024I UnauthorizedMf *message file* **SoftError** *error* **TransmitBeacon** *beacon*

Explanation: An unathorized message file was detected causing an interrupt.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET025I IoaStatusOverrun *status* **FramesDiscarded** *number* **SpuriousInterrupts** *interrupts*

Explanation: This message displays the number of frames that were discarded as a result of an unauthorized interrupt.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET026I Threshold data entry record:

Explanation: The following messages display information about the threshold record:

- **ThresholdCounterId** *Id*
- **Threshold values:** *values*
- **Threshold counters:** *value*

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET027I ThresholdCounterId *Id*

Explanation: This message indicates the number of frames sent by the ring station.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET028I Threshold values: *values*

Explanation: This message displays the threshold values.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET029I Threshold counters: *value*

Explanation: This message displays the threshold counters.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET030I Measurement data entry record:

Explanation: The following messages display information about the data measurement record:

- **OverflowedCounterId** *value*
- **Measurement values:**

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET031I OverflowedCounterId *value*

Explanation: The threshold for the number of attempts at passing was set at a constant value; if the counter reached a value greater than this constant, it is displayed here.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET032I Measurement values:

Explanation: This message displays the message "Measurement values" with information to follow.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET033I Beaconing information:

Explanation: The following messages display information about beaconing frames, a frame sent by an adapter indicating that there is a problem with ring:

- **NextUpstreamNeighbor** *address* **Node** *address*
- **BeaconTypeSubvector** '*type*'

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET034I NextUpstreamNeighbor *address* **Node** *address*

Explanation: This message displays information on the beaconing ring station's nearest active upstream neighbor (NAUN).

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET035I BeaconTypeSubvector '*type*'

Explanation: This message displays the beacon type subvector. The subvector provides information as to the reason why the ring station is beaconing.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET036I ILANS device *device_name***:**
 DLM_STATUS.indication received:

Explanation: Information about error status check is displayed in the next message (**StatusIdentifier** '*status*' **StatusCode** '*code*' **ExtendedStatus** '*status*')

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET037I StatusIdentifier '*status*' **StatusCode** '*code*'
 ExtendedStatus '*status*'

Explanation: This message displays status information.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET038I Unknown DataFormatType '*type*'

Explanation: This message indicates that TCPIP has encountered a data type it does not recognize.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET039I ILANS device *device_name***:**
 DL_STATUS.indication received:

Explanation: The following messages display information about the status of the data error:

- **DataLength** *length*
- **StatusType** '*type*' **StatusIdentifier** '*identifier*' **StatusCode** '*code*' **OriginalError** '*error*'

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET040I DataLength *length*

Explanation: This message displays the length of the data information.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET041I StatusType '*type*' **StatusIdentifier** '*identifier*'
 StatusCode '*code*' **OriginalError** '*error*'

Explanation: This message displays the status of check on data.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET044I ILANS device *device_name***:**
 DL_ACTIVATE_SAP.confirm: Completion status
 *status***, PSapId** '*id*'

Explanation: This message displays the status of the request to update control blocks. It also displays the service access point ID.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET045I   ILANS initialization aborted due to error.

Explanation: ILANS initialization was stopped, possibly because a request to update control blocks was not completed.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET046I   ILANS device *device_name***: DL_MSG.confirm: Completion status** *status*

Explanation: This message displays the status of the updating control blocks operation.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET047I   ILANS device *device_name***: Unknown LLC primitive** *type*

Explanation: TCPIP cannot update control blocks because of an unknown primitive type.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET049I   ILANS device *device_name***: Unknown MAC primitive** *type*

Explanation: For the MsgType MTYP_MAC, there is a primitive type other than DLMrtvATTRconf or DLMstatusIND.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET050I   ILANS device *device_name***: Unknown Ceti Message**

Explanation: The MsgType and primitive type are unknown.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET051I   ILANS device *device_name***: IlansSetExheader: No PSapId, cannot set header.**

Explanation: The PSapId is not valid, possibly because initialization was not completed. The SAP numbers are preassigned codes that indicate which subprotocol is used in the rest of the frame. TCPIP discards the envelope.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET053I   ILANS device *device_name***: Dropping packet on link** *name* **for first hop** *address* **-- ARP resent packet but address no good.**

Explanation: The address received from the Address Resolution Protocol (ARP) tool for the indicated packet was incorrect, so TCPIP drops the packet.

System Action: TCPIP continues.

User or Operator Response: Check the HOME statement in your PROFILE TCPIP file to make sure that the address is valid and in the correct format. Check the book *TCP/IP Planning and Customization* for more information on the HOME statement.

System Programmer Response: Assist the user as necessary.

DTCCET054I   ILANS device *device_name***:SetExHeader: Cannot send ARP packet; home hardware address not know.**

Explanation: The ARP packet cannot be sent to its destination because the home address is not known.

System Action: TCPIP continues.

User or Operator Response: Check the HOME statement in your PROFILE TCPIP file to make sure that the address is valid and in the correct format. Check the book *TCP/IP Planning and Customization* for more information on the HOME statement.

System Programmer Response: Assist the user as necessary.

DTCCET056I   ILANS device *device_name***: Sending SET_NET_Parms.request**

Explanation: CETI sends a request to set network parameters for Level 2 initialization. TCPIP sets the return code equal to CETIok.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCET057I   ILANS device *device_name***: Dropping too large input,** *length* **bytes, max** *size*

Explanation: The data is too large for the envelope provided. The message length and size are displayed.

System Action: TCPIP continues.

User or Operator Response: Increase the envelope size available to the CETI device using the ENVELOPEPOOLSIZE statement in the PROFILE TCPIP file. For more information about the ENVELOPEPOOLSIZE statement see the book *TCP/IP Planning and Customization*.

System Programmer Response: Assist the user as necessary.

DTCCE1003I   *device_type device_name*: CETI: Bad interrupt on device, [device_name] Init State [device_status]**

Explanation: This message displays an unexpected interrupt on the CETI device. The interrupt is ignored.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

TCP/IP Server Messages

DTCCE1010I CETI *device_type device_name***: Ceti Initialization Failure**

Explanation: The I/O operation was not started resulting in an unsuccessful initialization of the device. TCPIP logs the error.

System Action: TCPIP continues.

User or Operator Response: Investigate the reason for the interrupt that caused failure to initialize CETI. A possible resolution could be found in the following error message. If unable to resolve and restart initialization, inform the system programmer about the error.

System Programmer Response: Usually during initialization, interrupts cause the next I/O operation in the startup sequence to be initiated. The interrupt that caused an unsuccessful initialization is an incorrect one. Evaluate the interrupt and restart initialization of CETI.

DTCCE1011I Device error on Start Io operation. Device *device* **SIOCC** *rc* **Ceti State** *status*

Explanation: A device error was detected for I/O operation. The device type is displayed, its status and the status of the I/O ports are displayed.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE1012I Stored CSW: *csw*

Explanation: The channel status word (CSW) provides information about the termination of I/O operation. In this message, CSWStored provides information as to whether data is forthcoming.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE1013I Sense data for device *device*

Explanation: Displays status on check of whether there is data waiting for the CETI device.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE1014I CETI UNIT CHECK: device *device* **Sense Data SFLG:** *sflg* **STAT:** *status* **OTHR:** *other* **ACK:** *ack*

Explanation: The following table contains information pertaining to the sense data of the CETI device.

Message	Description
CETI UNIT CHECK	sense data status for the device.
Sense Data SFLG	sets flag for the sense data.
STAT	status of the sense data flag.
OTHR	if no data has been sensed.
ACK	acknowledgment of information.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE1018E CETI shutting down:

Explanation: The CETI device has shut down. Storage for data port buffers and channel control words (CCW) is discarded.

System Action: CETI halts. TCPIP continues.

User or Operator Response: Inform the system administrator.

System Programmer Response: Check the reason for the error, clear I/O buffers, and start the reinitialization procedure for CETI.

DTCCE1020I SendCetiMessage rejecting too-long message. Length *DataLen***, Max length** *MaxMsgLen*

Explanation: The message was rejected because it is larger than allowed by this adapter.

System Action: TCPIP continues.

User or Operator Response: Increase the buffer size by changing the size set in the DATABUFFERPOOLSIZE statement in the PROFILE TCPIP file. For more information about the DATABUFFERPOOLSIZE statement, see the book *TCP/IP Planning and Customization*.

System Programmer Response: Assist the user as needed.

DTCCE1031I CETI device initializing.

Explanation: The CETI device is in the process of initialization.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE1032I Dcb invalid for ELANS -- must have one link of type ETHERNET, ETHERor802.3, or 802.3.

Explanation: The data format is not valid for this ELANS device; it should be in either the ETHERNET, ETHERor802.3, or 802.3 format.

System Action: TCPIP continues.

User or Operator Response: Check the DEVICE and LINK statements to make sure that they are correctly configured. Check the book *TCP/IP Planning and Customization* about the DEVICE and LINK statements.

System Programmer Response: Assist the user as necessary.

DTCCE1033I DCB invalid for ILANS -- must have one link of type IBMTR

Explanation: The data format is not valid for this ILANS device; it should be in the IBM token ring format.

System Action: TCPIP continues.

User or Operator Response: Check the DEVICE and LINK statements to make sure that they are correctly configured. Check the book *TCP/IP Planning and Customization* about the DEVICE and LINK statements.

System Programmer Response: Assist the user as necessary.

DTCCE1034I   DCB invalid for X25ICA -- must have one link of type X25ICA

Explanation: The data format is not valid for this X25ICA device; it should be in the X25ICA format.

System Action: TCPIP continues.

User or Operator Response: Check the DEVICE and LINK statements to make sure that they are correctly configured. Check the book *TCP/IP Planning and Customization* about the DEVICE and LINK statements.

System Programmer Response: Assist the user as necessary.

DTCCE1037I   CETI *device_type device_name***: Ceti: Flushing output queue; state is** *device status*

Explanation: The output queue is being emptied; the envelopes are being freed.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE1038I   Ceti driver will set PDSM flag

Explanation: The port data status flag (PDSF) is set by the CETI driver. This flag defines the state of the inbound and outbound ports.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE1039I   Error getting XA subchan id for *CetiControlPort* **or** *CetiControlPort* **or** *CetiOutputPort* **or** *CetiInputPort*

Explanation: The device address specified could not be converted to an XA subchannel ID. All I/O operations in XA mode are performed based on a subchannel ID. The device is not started

System Action: TCPIP continues.

User or Operator Response: Make sure that the indicated devices are online and connected to the adapter at the proper ports with correct addresses configured. Also make sure that the address specified in the DEVICE statement in the PROFILE TCPIP file matches the actual addresses for the device.

System Programmer Response: Assist the user as needed.

DTCCE2001I   ELANS device *name***:**

Explanation: This message displays the name of the Ethernet device.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2003I   Bad Ethernet trailer packet Type was *type* **length** *length*

Explanation: The datagram within the envelope was found to be in the trailer format; in this type of format, the protocol headers follow the data. The packet type and length are displayed. The format is changed to the normal format where the protocol header precedes the data.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2005I   DispatchEther: Cannot process ARP packet; home hardware address not known.

Explanation: The ARP packet cannot be processed because the IP address has not been found in the ARP cache.

System Action: TCPIP continues.

User or Operator Response: Check the HOME statement in your PROFILE TCPIP file to make sure that the Ethernet address is valid and in the correct format. Check the book *TCP/IP Planning and Customization* for more information on the HOME statement.

System Programmer Response: Assist the user as necessary.

DTCCE2007I   Net parms record:

Explanation: The network parameters are checked and the status is displayed in the following message (DTCCE2008I).

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2008I   Version *version* **Revision** *revision* **NetType** *type* **Flags** *flags*

Explanation: This message displays information about the network parameters. This message follows DTCCE2007I.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2009I   Ethernet Address: *address*

Explanation: This message displays the Ethernet address of the message. The Ethernet address is added to the IP translation table.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2010I   Ceti Ethernet Statistics record

Explanation: These messages display the Ethernet statistics record on the normal logging file. The statistics record is normally produced due to unsuccessful hardware. However, it can be informative as well, if the operator needs to know whether certain counters are set in the statistics record.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2011I   Frames in *number* **Frames Out** *number* **Frames Lost** *number*

Explanation: These messages display the Ethernet statistics record on the normal logging file. The statistics record is normally produced due to unsuccessful hardware. However, it can be informative as well, if the operator needs to know whether certain counters are set in the statistics record.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2012I Runt Frames *number* **CRC Errors** *number*
Collisions *number*

Explanation: These messages display the Ethernet statistics record on the normal logging file. The statistics record is normally produced due to unsuccessful hardware. However, it can be informative as well, if the operator needs to know whether certain counters are set in the statistics record.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2013I Multicast In *value* **Broadcast In** *value*

Explanation: These messages display the Ethernet statistics record on the normal logging file. The statistics record is normally produced due to unsuccessful hardware. However, it can be informative as well, if the operator needs to know whether certain counters are set in the statistics record.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2014I Unaddressed frames *number* **Unaddressed Multi**
number

Explanation: These messages display the Ethernet statistics record on the normal logging file. The statistics record is normally produced due to unsuccessful hardware. However, it can be informative as well, if the operator needs to know whether certain counters are set in the statistics record.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2015I Excess Collisions *number* **Out of window**
Collisions *number*

Explanation: These messages display the Ethernet statistics record on the normal logging file. The statistics record is normally produced due to unsuccessful hardware. However, it can be informative as well, if the operator needs to know whether certain counters are set in the statistics record.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2016I Alignment errors *number* **Shorted Ethernet** *value*

Explanation: These messages display the Ethernet statistics record on the normal logging file. The statistics record is normally produced due to unsuccessful hardware. However, it can be informative as well, if the operator needs to know whether certain counters are set in the statistics record.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2017I Time Delay Reflectometer *value* **Too-long packets**
value

Explanation: These messages display the Ethernet statistics record on the normal logging file. The statistics record is normally produced due to unsuccessful hardware, however, it can be informative as well, if the operator needs to know whether certain counters are set in the statistics record.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2018I Ceti Level 2 Error Record

Explanation: These messages display information from the CETI Level 2 Error Record.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2019I Output stat *number***, ZeroField** *value***, SeqNo**
number

Explanation: These messages display information from the CETI Level 2 Error Record.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2020I FlushedSrcEther *value***, FlushedSetNetParms**
*value***, FlushedQueryNetParms** *value*

Explanation: These messages display information from the CETI Level 2 Error Record.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2021I FlushedQueryNetStats *value* **FlushedOther** *value*

Explanation: These messages display information from the CETI Level 2 Error Record.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2023I Unknown Ceti Message:

Explanation: The message type is a type unknown to CETI. The following are valid settings for message types:

```
MTYP_SRCether = 1;          (ELANS)
MTYP_MAC = 2;               (ILANS)
MTYP_LLC = 4;               (ILANS)
MTYP_DLC = 5;               (X.25)
MTYP_PLC = 6;               (X.25)
MTYP_ERRORmessage = 128;    (ELANS)
MTYP_SETnetPARMS = 129;     (ALL CETI parameters)
MTYP_QUERYnetPARMS = 130;   (ELANS)
MTYP_QUERYnetSTATS = 131;   (ELANS)
```

System Action: TCPIP continues.

User or Operator Response: Reissue the message using a valid message type.

System Programmer Response: Assist the operator as required.

DTCCE2025I   Dropping packet on link *link* **for first hop** *address*
—ARP resent packet but address no good

Explanation: An Address Resolution Protocol (ARP) packet was generated based on the type of link (Ethernet or 802.3). The link is displayed as well as the internet address of the first hop. The packet is dropped because the address is not valid. TCPIP increments the error counter.

System Action: TCPIP continues.

User or Operator Response: Check the HOME statement in your PROFILE TCPIP file and make sure that the address is valid and in the correct format. See the book *TCP/IP Planning and Customization* for more information on the HOME statement.

System Programmer Response: Assist the user as necessary.

DTCCE2026I   SetExHeader: Cannot send ARP packet; home hardware address not known

Explanation: The ARP packet cannot be processed because the home hardware address is not known.

System Action: TCPIP continues.

User or Operator Response: Check the HOME statement in your PROFILE TCPIP file and make sure that the Ethernet address is valid and in the correct format. Check the book *TCP/IP Planning and Customization* for more information on the HOME statement.

System Programmer Response: Assist the user as necessary.

DTCCE2028I   Reading ELANS flags from *file name*

Explanation: The ELANS flags are read from a file. The file name is displayed.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2029I   Using Ethernet flags '*flags***'**

Explanation: This message displays Ethernet flags.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCE2030I   Dropping too-large input, *length* **bytes, max** *size*

Explanation: TCPIP received the next pending message from the input buffer of the specified data control block (DCB). However, the message length is larger than the envelope size. The message length and the datagram size + size of {Ether8022 | Ether8023} header are displayed. The packet is not sent.

System Action: TCPIP continues.

User or Operator Response: Increase the large envelope size available to the CETI device using the ENVELOPEPOOLSIZE statement in the PROFILE TCPIP file. For more information about the ENVELOPEPOOLSIZE statement, see the book *TCP/IP Planning and Customization*.

System Programmer Response: Assist the user as necessary.

DTCCLW004E CLAW device *name*: **Error getting XA subchan id for** *input_addr* **or** *output_addr*

Explanation: The device address specified in the CLAW DEVICE statement could not be converted to an XA subchannel ID. All I/O operations in XA mode are performed based on subchannel ID.

User or Operator Response: CLAW uses two consecutive devices, an even/odd pair. Ensure that both real CLAW devices are online and that they are attached to the TCPIP virtual machine at the correct virtual addresses.

System Programmer Response: Ensure that both real CLAW devices are online and that they are attached to the TCPIP virtual machine at the correct virtual addresses. Ensure that the address specified on the DEVICE statement in PROFILE TCPIP matches the actual addresses for the CLAW device.

System Action: The CLAW device is not started.

DTCCLW044E CLAW device *name*: **Claw link** *claw_link_num* **has no associated LCB**

Explanation: A CLAW frame was read and the link number associated with the CLAW frame is not assigned to any LINK.

User or Operator Response: None.

System Programmer Response: None.

System Action: The frame, and the IP datagram in the frame, is discarded.

DTCCLW082E Claw shutting down:

Explanation: The CLAW device is shutting down. This is a normal response to a stop command for the device or for TCPIP.

User or Operator Response: If a command was not issued to stop the device, use the OBEYFILE command to restart it.

System Programmer Response: None.

System Action: The device is stopped.

DTCCLW108E Claw device *claw_name*: **Incorrect PCA microcode version** *version_num*.

Explanation: An incorrect version of the microcode has been loaded onto the PCA adapter in the RISC System 6000.

User or Operator Response: None.

System Programmer Response: Obtain the correct level of the PCA microcode and restart the PCA adapter. Then use the OBEYFILE command to restart the CLAW device.

System Action: The device is stopped.

DTCCLW109E Claw device *claw_name*:
Received host name *host_name* **adapter name** *adapter_name*,
Expected host name *host_name* **adapter name** *adapter_name*

Explanation: The CLAW device parameters do not match the RISC System 6000 PCA adapter configuration parameters.

User or Operator Response: None.

System Programmer Response: Correct the host and adapter name parameters on either the PCA adapter configuration or the CLAW DEVICE statement. Then use the OBEYFILE command to restart the CLAW device.

System Action: The device is stopped.

DTCCLW110E Claw device *claw_name*: **PCA receive size of**
recv_value is smaller than transmit size of
trans_value.

Explanation: The CLAW device parameters do not match the RISC
System 6000 PCA adapter configuration parameters. The CLAW
write buffer size on the DEVICE statement is larger than the PCA
adapter receive buffer size, causing data truncation.

User or Operator Response: None.

System Programmer Response: Correct the buffer size on either
the PCA adapter configuration or the CLAW DEVICE statement.
Then use the OBEYFILE command to restart the CLAW device.

System Action: The device is stopped.

DTCCLW111E Claw device *claw_name*: **PCA transmit size of**
trans_value is greater than receive size of
recv_value.

Explanation: The CLAW device parameters do not match the RISC
System 6000 PCA adapter configuration parameters. The CLAW
read buffer size on the DEVICE statement is larger than the PCA
adapter transmit buffer size, causing data truncation.

User or Operator Response: None.

System Programmer Response: Correct the buffer size on either
the PCA adapter configuration or the CLAW DEVICE statement.
Then use the OBEYFILE command to restart the CLAW device.

System Action: The device is stopped.

DTCCLW115E Claw device *claw_name*: **Confirm link** *linkid* **does**
not match response link *linkid*

Explanation: The CLAW link establishment protocol is a three-step
process:

* An application makes a connection request to the adapter.

* The adapter responds with a connection response, defining the
  link between a pair of applications.

* The other application accepts the connection request by issuing
  a confirm request.

This message indicates that the link ID in the confirm message was
not valid.

User or Operator Response: The system action can result in the
CLAW device remaining in the started state with no data flowing. It
may be necessary to STOP and START the device with OBEYFILE
commands.

System Programmer Response: None.

System Action: The invalid link is disconnected.

DTCCTC002E CTCA device *device*: **Started sense on device**
device. **SIOCC** *value*

Explanation: TCPIP received a unit check and started a sense
channel control word (CCW) to get the sense information.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCTC004E CTC packet too big: bytestomove=*number*

Explanation: The CTC packet received is larger than the large
envelope size.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: Either decrease the maximum
transmission unit (MTU) size on the remote machine or increase the
large envelope size in the the PROFILE TCPIP file. Use the
LARGEENVELOPEPOOLSIZE statement to increase the large
envelope pool size. See the book *TCP/IP Planning and
Customization* for more information about the
LARGEENVELOPEPOOLSIZE statement.

DTCCTC058E CTCA device *device*: **Unexpected Network type:**
type **at position** *input_position*

Explanation: The system encountered an unexpected network type
as the result of a configuration error.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: Check the network configuration
statements in the PROFILE TCPIP file to make sure that they
correspond to the actual network configuration. For more information
see the book *TCP/IP Planning and Customization*.

DTCCTC059E Error: Possible configuration error in link
statement, retrying

Explanation: A possible configuration error occurred in the LINK
statement; the system is retrying the link. The LINK adapter address
value might not be valid.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: Check the LINK statement on
both sides of the transmission. Valid values for the LINK statement
adapter address are 0 and 1. For more information about the LINK
statement, see the book *TCP/IP Planning and Customization*.

DTCCTC060E Error in initialization, no LCB found

Explanation: An error occurred during initialization. No link control
block (LCB) was found. This error can be caused when the LCB
contains an incorrect name or multiple links to the CTC device are
defined in the PROFILE TCPIP file.

System Action: CTC initialization halts. TCPIP continues.

User or Operator Response: None.

System Programmer Response: Check the PROFILE TCPIP file
and make sure an LCB is specified in the LINK statement correctly.
For more information about the LINK statement, see the book
TCP/IP Planning and Customization.

DTCCTC069I CTCA device *device*: **ToCTCA: Deferred SioCC** *rc*
on device *device*

Explanation: A deferred SIO condition code was received.

System Action: TCPIP continues.

User or Operator Response: If the condition code is 2 or 3, check
for hardware problems.

System Programmer Response: None.

DTCCTC070I CTCA device *device***: ToCTCA: Sio returned** *rc* **on device** *device*

Explanation: A condition code was received.

System Action: TCPIP continues.

User or Operator Response: If the condition code is 2 or 3, check for hardware problems.

System Programmer Response: None.

DTCCTC071E CTCA device *device***: Diag 98 error code** *code*

Explanation: A diagnostic call caused the indicated error.

System Action: TCPIP continues.

User or Operator Response: Check for a programming problem.

System Programmer Response: None.

DTCCTC073I CTCA device *device***: Stored CSW is:** *csw*

Explanation: This message precedes the display of a stored channel status word (CSW).

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCTC079E CTCA device *device***: Unexpected SIOCC** *rc* **from SenseId operation on device** *device*

Explanation: The procedure SenseId, which is used by CTC to determine the ID of a device to be initialized, was unsuccessful. The reason is indicated by the SIOCC displayed in this message. Initialization of this device halts.

System Action: TCPIP continues.

User or Operator Response: Check the PROFILE TCPIP file of the indicated device for errors. Correct the errors and restart the device. For more information about the PROFILE TCPIP file, see the boo *TCP/IP Planning and Customization*.

System Programmer Response: None.

DTCCTC080I CTCA initializing:

Explanation: CTCA is starting to initialize.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCTC082E CTCA shutting down: Address: *device_address*

Explanation: The channel to channel adapter (CTCA) is shutting down the device at the indicated address. The connection to the device is closed.

System Action: TCPIP continues.

User or Operator Response: Notify the system programmer of the error.

System Programmer Response: Reinitialize the device at the indicated address.

DTCCTC083E CTCA device *device***: Unexpected CSW from SenseId command on device** *device*

Explanation: The procedure SenseId, which is used by CTC to determine the ID of a CTC device, was unsuccessful due to an unexpected channel status word (CSW) The CSW is displayed following this message. Initialization of the device halts.

System Action: TCPIP continues.

User or Operator Response: Check the PROFILE TCPIP file of the device being initialized for errors. Correct the errors and restart the device. For more information about the PROFILE TCPIP file, see the ook *TCP/IP Planning and Customization*.

System Programmer Response: None.

DTCCTC087I CTCA device *device***: Sense data for device** *device: sense data*

Explanation: Sense information was received for the specified device as the result of a unit check.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: See *S/360 S/370™ S/390® I/O Interface Channel to Channel Control Unit OEMI* for an explanation of the sense information. If the problem persists, check for a hardware problem.

DTCCTC089E CTCA device *device***: Channel error on device** *device*

Explanation: An unexpected channel error was encountered.

System Action: TCPIP continues.

User or Operator Response: Check your hardware for errors.

System Programmer Response: None.

DTCCTC091E CTCA device *device***: Received DEVICEend interrupt on device** *device* **-- probable CTCA restart**

Explanation: The indicated device was interrupted, which probably means the device was reset.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCCTC092E Unit Check on device *device*

Explanation: A unit check occurred.

System Action: TCPIP continues.

User or Operator Response: Check the unit check code. Check your hardware if needed. Correct the errors and restart the device.

System Programmer Response: None.

DTCCTC093E Unit Exception on device *device*

Explanation: A unit exception occurred on the indicated device.

System Action: TCPIP continues.

User or Operator Response: Check your hardware for errors. Check that the opposite side is not out of sync.

System Programmer Response: None.

DTCCTC094E Unknown interrupt on device *device*

Explanation: The indicated device encountered an unexpected interrupt.

System Action: TCPIP continues.

User or Operator Response: Check your hardware for errors.

System Programmer Response: None.

DTCCTC095E Sense ID: *value* **for device** *device*

Explanation: Data is returned from a Sense ID, and any unexpected data is flagged.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCDIP006E   Diag 98 error locking page: CondCode *code*, **Return code:** *rc*

Explanation: The lock attempt was unsuccessful. This message displays the condition code and the return code for this procedure. Ry+1 is the real address of the user's page if the lock attempt was successful or a return code if the locking operation was unsuccessful (indicated by condition code 3). The following table describes the condition and return codes.

Condition code	Return Code in RY+1	Meaning
3	1(X'01')	User is running virtual=real
3	2(X'02')	Invalid virtual address
3	3(X'03')	Page unavailable in dynamic page area
3	4(X'04')	Page already locked.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: Respond as indicated by the return code given in the message.

DTCDIP077I   Discarding IDAW pointer *pointer*: **crosses page boundary**

| **Explanation:** The procedure AllocIdaw, which allocates storage for
| an indirect data address block and locks its page, obtained storage
| that could not be used because it crosses a page boundary. The
| storage is permanently held, so as not to cause a similar problem in
| the future, and the storage allocation process is repeated until a
| suitable block of storage is obtained.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCDIP078I   Discarding CCW pointer *pointer*: **crosses page boundary**

| **Explanation:** The procedure AllocCcwString, which allocates
| storage for a channel program and locks its page, obtained storage
| that could not be used because it crosses a page boundary. The
| storage is permanently held, so as not to cause a similar problem in
| the future, and the storage allocation process is repeated until a
| suitable block of storage is obtained.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCIPI007E   Cannot open a profile file

Explanation: TCPIP could not open its PROFILE file. It first tried to find *node_name* TCPIP *, then PROFILE TCPIP *, but could find neither file. The profile file specifies TCPIP configuration information. See the *TCP/IP Planning and Customization* book for more information.

System Action: TCPIP initializes with default values and tries to run.

User or Operator Response: Ensure that the PROFILE is properly installed. Reinitialize TCPIP.

DTCIPI028W   Not forcing you because you're connected

Explanation: The user ID that receives this message is listed in a PROFILE file AUTOLOG statement, indicating it should be autologged. AUTOLOG user IDs that are logged on when the AUTOLOG is executed are normally forced before being autologged. However, because this user ID is logged on connected, it is not forced or autologged.

System Action: TCPIP execution continues.

User or Operator Response: None.

| **DTCIPI034S   Fatal initialization configuration error detected,**
| **terminating processing**

| **Explanation:** A configuration error has occurred that has prevented
| the TCPIP stack from initializing. The previous messages will
| indicate the nature of the error that was encountered.

| **System Action:** TCPIP will halt the initialization process and stop
| the TCPIP stack.

| **User or Operator Response:** Notify the system programmer.

| **System Programmer Response:** Determine the nature of the error
| and correct it. When the error is corrected, the TCPIP stack can be
| started

| **DTCIPI040S   IDENTIFY cannot determine local system node**
| **name; terminating since TCP/IP services may not**
| **function**

| **Explanation:** The IDENTIFY command cannot determine the node
| name of the local system. As a result, various TCP/IP services will
| not be able to function correctly.

| **System Action:** TCP/IP terminates.

| **System Programmer Response:** Update the SYSTEM NETID file
| on the CMS S-disk so that the local system node name is associated
| with the CPU identifier(s) of the processor where TCP/IP is running.
| After updating the file and resaving the CMS NSS, restart TCP/IP.

| **DTCLDS116I   Specific device address for LDSF INITIATE is**
| **invalid.**

| **Explanation:** The LDSF (DIAGNOSE X'7C') Initiate function was
| rejected with condition code 3 return code 4.

| **System Action:** The incoming Telnet connection is terminated.

| **User or Operator Response:** None.

| **System Programmer Response:** The logical device address used
| by TCPIP on the LDSF initiate function was not valid. Ensure the
| LDEVRANGE value specified with the INTERNALCLIENTPARMS
| statement contains valid logical device addresses. Note that
| currently, VM/ESA supports a range up to X'FFFF'.

DTCLDS117I   Specific device address for LDSF INITIATE is in use.

Explanation: The LDSF (DIAGNOSE X'7C') Initiate function was rejected with condition code 3 return code 5.

System Action: The incoming Telnet connection is terminated.

User or Operator Response: None.

System Programmer Response: Determine the cause of the LDSF initiate failure and take appropriate action. See the Diagnose X'7C' section of the *VM/ESA: CP Programming Services* book for more information. Check to ensure that no other service machines are using the same device addresses as those assigned to TCPIP.

DTCMON028W Scheduled restart due to *reason* **bypassed because you restarted yourself**

Explanation: The user who receives this message is in the AUTOLOG list and was scheduled to be restarted for the indicated *reason*. However, when the time came to perform the restart, the virtual machine had reinitialized itself, making a second restart unnecessary.

System Action: Operation continues.

User or Operator Response: None.

DTCOCP086I   Telnet server: Conn *n:* **The TCP data that was delivered during command simulation was ignored.**

Explanation: This message indicates that TCP data was delivered, and ignored, during command simulation. All TCP data is ignored during command simulation.

System Action: TCPIP continues.

User or Operator Response: None.

DTCOTC038E Telnet server: Conn n: Unrecoverable ConnectExit error detected.

Explanation: This message indicates that an unrecoverable ConnectExit error has occurred. This message will be followed by another message that describes the error.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: The action required depends on the next message that describes the error.

DTCOTC039E Telnet server: Conn *n:* **ConnectExit returned an unsupported return code, Rc =***returncode*

Explanation: This message indicates that the ConnectExit returned an unsupported return code.

System Action: The session is terminated.

User or Operator Response: None.

System Programmer Response: Update the ConnectExit to always return a valid return code.

DTCOTC040E Telnet server: Conn *n:* **ConnectExit requested command simulation for a non-transparent mode connection.**

Explanation: This message indicates that the ConnectExit returned a return code requesting command simulation for a non-transparent mode connection. Command simulation is not supported for non-transparent mode connections.

System Action: The session is terminated.

User or Operator Response: None.

System Programmer Response: Update the ConnectExit to never request command simulation for a non-transparent mode connection.

DTCOTC041E Telnet server: Conn *n:* **Unrecoverable command simulation error has occurred.**

Explanation: This message indicates that an unrecoverable command simulation error occurred. This message is followed by another message that will describe the error.

System Action: The session is terminated.

User or Operator Response: None.

System Programmer Response: The action required depends on the next message that describes the error.

DTCOTC042E Telnet server: Conn *n:* **Skeleton userid issued a non-write CCW after the simulated command was sent to CP.**

Explanation: This message indicates that a CP skeleton user id issued a non-write CCW after the simulated command was sent to CP.

System Action: The session is terminated.

User or Operator Response: None.

System Programmer Response: Contact the IBM Support Center.

DTCOTC043E Telnet server: Conn *n:* **Skeleton userid I/O data was received from CP in a split buffer chain.**

Explanation: This message indicates CP skeleton userid I/O data was received from CP in a split buffer chain.

System Action: The session is terminated.

User or Operator Response: None.

System Programmer Response: Contact the IBM Support Center.

DTCOTC050I   ConnectExit is [disabled|enabled] for TN3270E sessions.

Explanation: Indicates whether the TN3270ENOSCEXIT option has been activated either as a parameter of the INTERNALCLIENTPARMS statement in the configuration file or via the OBEYFILE command. Used exclusively with telnet printer sessions, the TN3270ENOSCEXIT option will disable the TN3270 session connection exit if it has been loaded.

User or Operator Response: Remove this parameter if you wish to enable the session connection exit for TN3270E sessions. Or use OBEYFILE command to dynamically remove it from your TCP/IP configuration so as to re-enable session connection exits.

| **DTCPAR123I LINE XXXX: String too long, ignored.**

| **Severity:** Recoverable error

| **Explanation:** Indicates that TCPIP has encountered a statement
| parameter string that is too long to be accommodated.

| **System Action:** TCPIP continues.

| **User or Operator Response:** Change the statement so that the
| parameter string is within the allowed size. For SysContact and
| SysLocation, the maximum parameter string length is 255
| characters. For AssortedParms, it is 100, and for
| InternalClientParms, it is 500.

| **System Programmer Response:** Assist the operator as required.

**DTCPAR129I BSDROUTINGPARMS omitted or in error; using
default routing for all links**

Explanation: Either no BSDROUTINGPARMS statement was
encountered in the configuration file or the statement was found but
a specification was in error, causing the statement to be ignored. In
either case, the subnet masks for all links are set based on the class
of the network they are connected to.

System Action: None.

User or Operator Response: Ensure that routing will be performed
correctly using default subnet masks.

DTCPC3002I PCCA3 device *name*: **Started sense on device
device. SIOCC *code***

Explanation: TCPIP issued a SENSE command to the device as
the result of a Unit Check. The *code* indicates the condition code
from the Sytem Input/Output(SIO) message. If the SIO condition
code is zero, the device should return sense data to TCPIP
indicating the cause of the Unit Check. TCPIP prints the sense data
in a subsequent message. After the sense data has been returned,
the device is shut down.

System Action: TCPIP continues.

User or Operator Response: If the SIO condition code is zero, use
the sense data in the subsequent message and the operator's
manual for the device to determine the troubleshooting procedure. If
the SIO condition code is not zero, this can indicate a problem
accessing the device.

System Programmer Response: Assist the user as necessary.

DTCPC3003I PCCA3 device *name*: **Cannot get envelope** *string*

Explanation: TCPIP attempted to get an envelope to receive the
data but no envelopes were available. TCPIP discards the packet.

System Action: TCPIP continues.

User or Operator Response: Tell the system programmer about
the error.

System Programmer Response: Increase the envelope pool size.
See the book *TCP/IP Planning and Customization* for more
information on increasing the poolsize.

DTCPC3041I PCCA3 device *name*: **PackWrites flushing
EnvelopeQueue. Device status:** *status*

Explanation: TCPIP is attempting to pack data for a write
operation, but the device is either not yet initialized or is shutting
down. The outgoing packets are discarded. If the device is in the
process of being initialized, it should become available to TCPIP
once its initialization is complete. If the device is in the process of
being shut down, it will become unavailable to TCPIP once its
shutdown is complete.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCPC3044I PCCA3 device *name*: **FindLinkNumber fails for
NetType** *type* **Adapternumber** *number*

Explanation: TCPIP cannot identify the link associated with an
incoming packet. The NetType and AdapterNumber from the PCCA
header of the incoming packet and those configured for this device
do not match. This can indicate one of the following:

- A configuration error.
- The link has not been started.
- A problem with the device.

Valid NetType values are:

Value Description
0   The PCCA control function
1   Ethernet
2   Token-Ring
7   FDDI

System Action: TCPIP continues.

User or Operator Response: Check the configuration to make
sure that the NetType (corresponding to the third keyword parameter
on the LINK statement) and AdapterNumber (corresponding to the
link_number on the LINK statement) are properly specified. Make
sure the link has been started. If the configuration appears to be
correct, see the appropriate operator's manual for the device to
determine the troubleshooting procedure. See the book *TCP/IP
Planning and Customization* for more information on LINK
statements.

System Programmer Response: Assist the user as necessary.

| **DTCPC3046I No link found for** *count* **consecutive packets and
| no packet received for defined links - check link
| configuration**

| **Explanation:** Packets are being received on the device identified in
| the message preceding this one but they are for a link number that is
| not included in the LCS configuration.

| **System Action:** The device is shut down.

| **User or Operator Response:** Ensure that the link numbers in the
| LINK statements for the LCS device are correct. If no problem can
| be identified and the error persists, contact IBM software support.

DTCPC3053E PCCA3 device *name*: **ToPcca3: Inv blk hdr** *header*
from input position *position*. **Last blk hdr** *header*.
Discarding remainder of block.

Explanation: TCPIP encountered an incorrect block header on the
indicated device. The link on which the error occurred is unknown.
TCPIP drops the block.

System Action: TCPIP continues.

User or Operator Response: If this error occurs frequently, it can
indicate a problem with the device. See the appropriate operator's
manual for the device.

System Programmer Response: Assist the user as necessary.

DTCPC3066E PCCA3 device *name*: **Unknown net type from PCCA:** *type*

Explanation: The NetType field in the PCCA header of an incoming packet is not valid. TCPIP discards the packet.

Valid NetType values are:

Value Description
0 The PCCA control function
1 Ethernet
2 Token-Ring
7 FDDI

System Action: TCPIP continues.

User or Operator Response: See the appropriate operator's manual for the device to determine the troubleshooting procedure.

System Programmer Response: Assist the user as necessary.

DTCPC3069I PCCA3 device *name*: **ToPcca3: Deferred SioCC** *rc* **on device** *device*

Explanation: The SIO or SSCH to the device contained a deferred condition code. If the value for *rc* is 0, TCPIP continues with the operation on the device as normal. If *rc* is not 0, and the operation is to the output address, TCPIP purges the output envelope queue. If *rc* is not 0, and the operation is to the input address, then TCPIP retries the read operation after 30 seconds.

System Action: TCPIP continues.

User or Operator Response: See the operations manual for the system to determine the troubleshooting procedure.

System Programmer Response: Assist the user as necessary.

DTCPC3070I PCCA3 device *name*: **ToPcca3: Sio returned** *rc* **on device** *device*

Explanation: TCPIP has issued a SIO or SSCH to the device. The return code indicated in the message should be 0. Possible values for the return code are:

Value Description
0 SIO completed successfully.
1 CSW stored.
2 Device busy.
3 Device error

If *rc* is not 0, other messages follow containing additional information.

System Action: TCPIP continues.

User or Operator Response: If *rc* is not 0, use the subsequent messages to determine the troubleshooting procedure.

System Programmer Response: Assist the user as necessary.

DTCPC3071E PCCA3 device*name*: **Diag 98 error code** *errorcode*

Explanation: The Diag 98 routine generated the indicated error code while performing a diagnostic check on the PCCA device.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: Determine the cause of the error using the information about Diag 98 error codes in the *TCP/IP Diagnosis Guide*, and respond as indicated.

DTCPC3073I   PCCA3 device *name*: **Stored CSW is:** *csw*

Explanation: TCPIP issued a SIO or SSCH to the device and an error occurred. The Channel Status Word (CSW) from the I/O operation is indicated in the message. If the error occurred on the output address of the PCCA, TCPIP purges the output envelope queue. If the error occurred on the input address, TCPIP retries the read operation after 30 seconds.

System Action: TCPIP continues.

User or Operator Response: See the Principles of Operation Manual for the system to determine the troubleshooting procedure.

System Programmer Response: Assist the user as necessary.

DTCPC3079E PCCA3 device *name*: **Unexpected SIOCC** *code* **from Senseld operation on device** *device*

Explanation: The indicated device returned an unexpected condition code. TCPIP halts device initialization; the device is no longer available to TCPIP.

System Action: TCPIP continues.

User or Operator Response: See the operator's guide for the device to determine the troubleshooting procedure.

System Programmer Response: None.

DTCPC3080I PCCA3 initializing:

Explanation: TCPIP is initializing the Lan Channel Station (LCS).

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None.

DTCPC3081E Link *name* **specifies invalid network type** *networkname*. **PCCA will not be initialized**

Explanation: The *networkname* specified on a LINK statement for this device in the PROFILE TCPIP file was not valid. The device is not initialized.

Valid values on the LINK statement are:

* 802.3
* ETHERNET
* ETHERor802.3
* FDDI
* IBMTR

System Action: TCPIP continues.

User or Operator Response: Correct the LINK statement. See the book *TCP/IP Planning and Customization* for information on specifying the network name in the LINK statement.

System Programmer Response: Assist the user as necessary.

DTCPC3082E PCCA3 shutting down:

Explanation: The indicated Lan Channel Station (LCS) is shutting down. TCPIP will not use this device.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: Check the owner's manual for the indicated device to determine the correct troubleshooting procedure.

DTCPC3083E PCCA3 device *name*: **Unexpected CSW from SenseId command on device** *device*

Explanation: TCPIP received an unexpected channel status word (CSW) from the indicated device. The device shuts down.

System Action: TCPIP continues.

User or Operator Response: See the operator's manual for the device to determine the troubleshooting procedure.

System Programmer Response: Assist the user as necessary.

DTCPC3087I PCCA3 device *name*: **Sense data for device** *device*: *data*

Explanation: TCPIP received the indicated sense data for this device, as a result of a unit check. The device shuts down.

System Action: TCPIP continues.

User or Operator Response: See the operator's manual for this device to determine the troubleshooting procedure.

System Programmer Response: Assist the user as necessary.

DTCPC3089E PCCA3 device *name*: **Channel error on device** *device*

Explanation: TCPIP issued a SIO or SSCH to the device and the Subchannel Status field of the Channel Status Word (CSW) was not zero. If the error occurred on the output address of the PCCA, TCPIP purges the output envelope queue. If the error occurred on the input address, TCPIP retries the read operation after 30 seconds. The CSW for the device is printed in the messages following this one.

System Action: TCPIP continues.

User or Operator Response: See the Principles Of Operation Manual for the system to determine the troubleshooting procedure.

System Programmer Response: Assist the user as necessary.

DTCPC3091E PCCA3 device *name*: **Received DEVICEend interrupt on device** *device* **-- probable PCCA restart**

Explanation: TCPIP received a DeviceEnd interrupt from the device. ChannelEnd was not included with DeviceEnd in the status. This might indicate that the device was reset. If the DeviceEnd interrupt occurred on the output address of the PCCA, TCPIP checks its output envelope queue for the device and sends any packets that are ready. If the DeviceEnd interrupt occurred on the input address, TCPIP issues a read opeation on the input address of the PCCA after 30 seconds.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: If the device has been restarted, the read operation will be successful and no intervention is neccessary. Otherwise, determine the cause of the shutdown and respond as indicated by the operator's manual for the indicated device.

DTCPC3092E PCCA3 device *name*: **Unit Check on device** *device*

Explanation: TCPIP received a unit check unit status for the indicated device. The device shuts down.

System Action: TCPIP continues.

User or Operator Response: See the operator's manual for the device to determine the troubleshooting procedure.

System Programmer Response: Assist the user as necessary.

DTCPC3093E PCCA3 device *name*: **Unit Exception on device** *device*

Explanation: TCPIP received a unit exception. Unit status was received for the indicated device. TCPIP purges the output queue, if appropriate, and continues using the device.

System Action: TCPIP continues.

User or Operator Response: If this error occurs frequently, it can indicate a problem with the device. See the operator's guide for this device to determine the troubleshooting procedure.

System Programmer Response: Assist the user as necessary.

DTCPC3094E PCCA3 device *name*: **Unknown interrupt on device** *device*

Explanation: TCPIP received an unrecognized interrupt from the indicated device. TCPIP continues using the device.

System Action: TCPIP continues.

User or Operator Response: If this error occurs frequently, it can indicate a problem with the device. See the operator's guide for this device to determine the troubleshooting procedure.

System Programmer Response: Assist the user as necessary.

DTCPDO036I ProcessIpOptions: unknown option: *option* **source:** *address*

Explanation: While processing an IP datagram, TCPIP detected an IP option it does not recognize.

System Action: TCPIP execution continues.

User or Operator Response: None.

System Programmer Response: This message indicates a host is using an IP option that is not supported by the VM TCP/IP stack. You may want to investigate why the option is being used. If no other problems are noted, the message can be safely ignored.

DTCPDO077I FindRoute found *route_type* **for** *address* **on interface** *link_name*

Explanation: The FindRoute routine found a route for *link_name* in the route table that was a match for *address*. The route is of type *route_type*, where *route_type* is one of the following:

route_type	Description
DefaultRTE	Default Routing Table Entry
HostRTE	Host Routing Table Entry
NetworkRTE	Network Routing Table Entry
SubnetFound	Subnetted Routing Table Entry
SupernetFound	Supernet Routing Table Entry

This message is displayed when IPDOWN tracing is active.

System Programmer Response: If this result is not as expected review the HOME and GATEWAY statements in the PROFILE TCPIP to see the routing information. Also see the NETSTAT GATE command in the *TCP/IP User's Guide*.

| **DTCPDO078I FindRoute did not find a route for** *address*

| **Explanation:** The FindRoute routine did not find a Routing Table
| entry for *address*

| **System Programmer Response:** View the HOME and GATEWAY
| statements in the PROFILE TCPIP to verify the routing information.
| Also see the NETSTAT GATE command in the *TCP/IP User's Guide*.

| **DTCPDO079I TreeVisit found** *route_type* **for** *address* **on interface**
| *link_name*

| **Explanation:** The TreeVisit routine found a subnet route on
| *link_name* in the route table that was a match for *address*. The
| route is of type *route_type*, where *route_type* is one of the following:

| **route_type**   **Description**

| SubnetRTE   Subnetted Routing Table Entry

| SupernetRTE   Supernetted Routing Table Entry

| This message is displayed when IPDOWN tracing is active.

| **System Programmer Response:** View the HOME and GATEWAY
| statements in the PROFILE TCPIP to verify the routing information.
| Also see the NETSTAT GATE command in the *TCP/IP User's Guide*.

| **DTCPDO080I   FindRoute looking for route for:** *address*

| **Explanation:** The FindRoute routine has been called to locate a
| route to *address*.

| **DTCPDO081E SOURCEVIPA parameter is not supported by the**
| **current RouteD server**

| **Explanation:** An unsupported configuration has been detected.
| The RouteD server in use does not support the SOURCEVIPA
| parameter specified in the ASSORTEDPARMS statement. This
| message is only issued for the first five detections of this
| incompatibility. The counter is reset when the RouteD server is
| recycled.

| **System Programmer Response:** If the SOURCEVIPA option
| coded in the ASSORTEDPARMS statement is **not** in error, the
| RouteD server code must be replaced, so that TCP/IP Function
| Level 320 (or later) software is in use; SOURCEVIPA is not
| supported by prior levels. If the SOURCEVIPA option was coded in
| error, use the OBEYFILE command to correct the
| ASSORTEDPARMS statement and restart the RouteD server.

| **DTCPDO082I   Shutting down RouteD server** *name*

| **Explanation:** The RouteD server has been shut down due to a
| configuration error; this problem is indicated by message
| DTCPDO081E.

| **System Programmer Response:** Restart the RouteD server after
| making necessary changes.

DTCPKT048E PCCA3 device *devicename*: **Error** *nn* **in getting**
              home hardware address for *linkname* **number**
              linknumber

Explanation: The indicated LCS device did not return the adapter
address in response to the Get Lan Stats control command. This
message usually results due to one of the following conditions:

- an adapter configured in TCPIP but not in the LCS.
- an incorrect relative link/adapter number specified in PROFILE
  TCPIP.
- a subchannel address pair mismatch.

- a hardware error (faulty adapter).

System Action: TCPIP execution continues.

User or Operator Response: Review the LCS configuration for the
indicated device, as well as the associated DEVICE and LINK
statements in the TCP/IP configuration file (PROFILE TCPIP). Verify
the corresponding information is correct. If these definitions are
correct and in agreement, verify that all hardware connections for the
device are correct.

| **DTCPKT053W WARNING PCCA report home hardware address**
| *MAC address* **for line** *device-name*

| **Explanation:** The indicated device reported a MAC address of
| 000000000000.

| **System Action:** TCPIP execution continues.

| **User or Operator Response:** In the case of an 8322,
| 000000000000 is valid. However, with some other device(s), a
| configuration problem in the PROFILE TCPIP file may have
| occurred. For example, a device is possibly configured with an
| incorrect *link_number* in the LINK statement. See the *TCP/IP*
| *Planning and Customization* book and the hardware information
| manual for configuration specifications on the particular device.

DTCPRS003E Line *line*: **Device already started**

Explanation: The *device_name* specified in a START statement
has already been started.

System Action: TCPIP ignores the START statement; execution
continues.

User or Operator Response: None.

DTCPRS004E Line *line*: **Unable to accept further client names**

Explanation: TCPIP could not allocate another Client Control Block
(CCB) while processing a PORT statement. You can expand the
CCB pool by modifying the CCBPOOLSIZE statement in the
configuration file.

System Action: TCPIP ignores the PORT statement.

User or Operator Response: Specify a larger CCB pool with the
CCBPOOLSIZE statement.

DTCPRS006E Line *line*: **Unable to accept further port**
              reservations

Explanation: TCPIP could not allocate another Socket Control
Block (SCB) while processing a PORT statement. You can expand
the SCB pool by modifying the SCBPOOLSIZE statement in the
configuration file.

System Action: TCPIP ignores the PORT statement.

User or Operator Response: Reduce the number of PORT
statements or increase the SCB pool size in the SCBPOOLSIZE
statement.

DTCPRS008E Line *line*: **Unable to accept further home**
              addresses

Explanation: TCPIP cannot add an entry to its home address list.
This error occurred while processing a HOME statement in the
configuration file.

System Action: TCPIP ignores the HOME statement.

User or Operator Response: Reduce the number of home
address list entries in the HOME statement.

DTCPRS010I Line *line***: No such userid:** *UserID*

Explanation: You specified an invalid *user_id* in a PORT statement.

System Action: TCPIP ignores the PORT statement.

User or Operator Response: Correct the PORT statement to specify a valid *user_id* field.

DTCPRS011E Line *line***: Unexpected end of input**

Explanation: TCPIP unexpectedly encountered the end of its configuration file.

System Action: TCPIP execution continues.

User or Operator Response: A statement within the configuration file was not complete. Check the syntax of configuration file statements and identify the statements that are incomplete. Correct the errors.

DTCPRS012E Line *line***: Invalid hex character in device address**

Explanation: TCPIP encountered a non-hexadecimal character in a device address specification. Valid characters are: 0 through 9, and A through F.

System Action: TCPIP ignores this statement.

User or Operator Response: Correct the entry.

DTCPRS014E Line *line***: Invalid driver process in GATEWAY command**

Explanation: The *link_name* specified in a GATEWAY statement is not valid. Links specified in a GATEWAY statement must be defined in a LINK statement.

System Action: Execution continues.

User or Operator Response: None.

DTCPRS016E Line *line***: Gateway not directly accessible in GATEWAY command**

Explanation: The gateway specified as the *first_hop* in a GATEWAY statement within the PROFILE file is not directly accessible. The *first_hop* must specify a gateway on the same network as this node.

System Action: TCPIP ignores the GATEWAY statement.

User or Operator Response: Correct the GATEWAY statement to specify an accessible *first_hop* address. For assistance if necessary, see the network administrator.

DTCPRS017E Line *line***: Routing loop in GATEWAY command**

Explanation: TCPIP has encountered a routing loop in a GATEWAY statement.

System Action: The GATEWAY statement is ignored. TCPIP ignores the GATEWAY statement.

User or Operator Response: Correct the GATEWAY statement.

DTCPRS018E Line *line***: Overflow of routing table in GATEWAY command**

Explanation: TCPIP has experienced a routing table overflow while processing a GATEWAY statement.

System Action: TCPIP ignores the GATEWAY statement.

User or Operator Response: Reduce the number of GATEWAY statements in the configuration file or increase the size of the IP routing table in the IPROUTEPOOLSIZE statement.

DTCPRS019E Line *line***: Unknown network for gateway in GATEWAY command**

Explanation: TCPIP did not recognize the network specified in a GATEWAY statement.

System Action: TCPIP ignores the GATEWAY statement.

User or Operator Response: Correct the GATEWAY statement.

DTCPRS020E Line *line***: Subnet mask conflicts with prev instance of net # in GATEWAY command**

Explanation: The *subnet_mask* specified in a GATEWAY statement conflicts with a previously specified network number.

System Action: TCPIP ignores this GATEWAY statement.

User or Operator Response: Correct the GATEWAY statement

DTCPRS021E Line *line***: Zero internet address specified in TRANSLATE**

Explanation: You specified zero as the *internet_address* in a TRANSLATE statement.

System Action: TCPIP ignores the TRANSLATE statement.

User or Operator Response: Correct the *internet_address* specification in this TRANSLATE statement.

DTCPRS022E Line *line***: No more room in TRANSLATE table**

Explanation: The TCPIP translate table is full; you cannot insert any additional entries.

System Action: TCPIP ignores the TRANSLATE statement.

User or Operator Response: Reduce the number of TRANSLATE statements in the configuration file. If this is not practical, use the ADDRESSTRANSLATIONPOOLSIZE statement to increase the translation table pool size.

DTCPRS023E Line *line***: Invalid numbufs field for** *port* **port**

Explanation: You specified an invalid *number_of_buffers* in a DEVICE statement.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS024E Line *line***: Invalid threshold field for** *port* **port**

Explanation: The threshold specification in a DEVICE statement is not valid.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS025E Line *line***: Invalid MyMsgGap field for** *port* **port**

Explanation: You specified an invalid *MyMsgGap* in a DEVICE statement.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the *MyMsgGap* field in this statement

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DTCPRS026E Line *line*: **Invalid YrMsgGap field for** *port* **port**

Explanation: You specified an invalid *YrMsgGap* in a DEVICE statement.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS027E Line *line*: **Missing name field**

Explanation: You did not specify a *device_name* in a DEVICE statement.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS028E Line *line*: **Missing type field**

Explanation: You did not specify a device type in a DEVICE statement.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS029E Line *line*: **Invalid type field**

Explanation: You specified an invalid device type in a DEVICE statement. Valid types are:

- LCS
- PVMIUCV
- SNAIUCV
- ELANS
- X25ICA
- SHALU62
- CLAW
- DDN1822
- IUCV
- X25NPSI
- ILANS
- HCH
- HIPPI
- CTC

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS030E Line *line*: **Missing device address field**

Explanation: You did not specify a device address in the DEVICE statement. This field is required for devices of type: LCS, DDN1822, and HCH.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS031E Line *line*: **Remote PVM nodeid missing**

Explanation: You did not specify a *rmt_pvm_node* in a DEVICE statement. This field is required for devices of type PVMIUCV.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS032E Line *line*: **SNALINK program name missing**

Explanation: You did not specify the program name SNALINK, in a DEVICE statement. This field is required for devices of type SNAIUCV.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS033E Line *line*: **Remote TCPIP vmid missing**

Explanation: You did not specify a *rmt_tcpip_vmid* in a DEVICE statement. This field is required for devices of type PVMIUCV.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS034E Line *line*: **Remote LU name missing**

Explanation: You did not specify a *remote_lu_name* in a DEVICE statement. This field is required for devices of type SNAIUCV.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS035E Line *line*: **PVM VM id missing**

Explanation: You did not specify a *local_pvm_vmid* in a DEVICE statement. This field is required for devices of type PVMIUCV.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS036E Line *line*: **SNALINK VM id missing**

Explanation: You did not specify the *snalink_vmid* in a DEVICE statement. This field is required for devices of type SNAIUCV.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS037E Line *line*: **Local PVM nodeid missing**

Explanation: You did not specify a *local_pvm_node* in a DEVICE. statement. This field is required for devices of type PVMIUCV.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS038E Line *line*: **Missing base device address field**

Explanation: You did not specify a *base_device_addr* in a DEVICE statement. This field is required for devices of type: ELANS, ILANS and X25ICA.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement.

DTCPRS039E Line *line*: **Invalid WaitTime field**

Explanation: You specified an invalid *wait_time* in a DEVICE statement.

System Action: TCPIP ignores the DEVICE statement.

User or Operator Response: Correct the DEVICE statement

DTCPRS042E Line *line*: **LINK statement: missing name field**

Explanation: You did not specify a *link_name* in a LINK statement.

User or Operator Response: Correct the LINK statement.

System Action: TCPIP ignores the LINK statement.

DTCPRS043E Line *line*: **LINK statement: Missing type field**

Explanation: You did not specify a link type in a LINK statement.

System Action: TCPIP ignores the LINK statement.

User or Operator Response: Correct the LINK statement.

DTCPRS044E Line *line*: **LINK statement: Invalid type field**

Explanation: You specified an invalid link type in a LINK statement. Valid types are:

- PRONET
- ETHERNET
- ETHEROR802.3
- 802.3
- IBMTR
- FDDI
- DDN1822
- X25ICA
- IUCV
- HCH
- HIPPI
- IP
- OFFLOADLINK1
- OFFLOADAPIBROAD
- OFFLOADAPIPP
- OFFLOADOTHER

System Action: TCPIP ignores the LINK statement.

User or Operator Response: Correct the LINK statement.

DTCPRS045E Line *line*: **LINK statement: Invalid net number field**

Explanation: You specified an invalid *link_number* in a LINK statement.

System Action: TCPIP ignores the LINK statement.

User or Operator Response: Correct the LINK statement.

DTCPRS046E Line *line*: **LINK statement: Missing device name field**

Explanation: You did not specify a *device_name* in a LINK statement.

System Action: TCPIP ignores the LINK statement.

User or Operator Response: Correct the LINK statement.

DTCPRS047E Line *line*: **LINK statement: Duplicate link name**

Explanation: The *link_name* you specified in a LINK statement has already been used. You must specify another, unique name.

System Action: TCPIP ignores the LINK statement.

User or Operator Response: Correct the LINK statement.

DTCPRS048E Line *line*: **LINK statement: Specified device name not found**

Explanation: The *device_name* specified in a LINK statement does not match the *device_name* field in any DEVICE statements. Each device referenced in a LINK statement must be defined in a DEVICE statement.

System Action: TCPIP ignores the LINK statement.

User or Operator Response: Correct the configuration file to ensure every LINK statement has a corresponding DEVICE statement with a matching *device_name* field.

DTCPRS049E Line *line*: **LINK statement: Too many links on specified device**

Explanation: The device specified in a LINK statement cannot accept additional links.

System Action: TCPIP ignores the LINK statement.

User or Operator Response: Remove one of the LINK statements for the device specified in this LINK statement.

DTCPRS050E Line *line*: **Unknown link name in GATEWAY cmd**

Explanation: The *link_name* specified in a GATEWAY statement was not defined by a LINK statement.

System Action: TCPIP ignores the GATEWAY statement.

User or Operator Response: Ensure the *link_name* is spelled correctly. If it is, specify a corresponding LINK statement in the configuration file.

DTCPRS051E Line *line*: **Invalid packet size in GATEWAY command:** *value*

Explanation: You specified an invalid *max_packet_size* in a GATEWAY statement. The size must be a positive integer no larger than EnvLargeDatagramSize.

System Action: TCPIP ignores the GATEWAY statement.

User or Operator Response: Correct the GATEWAY statement.

DTCPRS052E Line *line*: **Subnet mask not compatible with network address**

Explanation: A GATEWAY statement contains a *subnet_mask* specification that is incompatible with the network specified.

System Action: TCPIP ignores the GATEWAY statement.

User or Operator Response: Correct the GATEWAY statement.

DTCPRS053E Line *line*: **Subnet value not compatible with subnet mask**

Explanation: A GATEWAY statement contains a *subnet_value* specification that is incompatible with the *subnet_mask* specified.

System Action: TCPIP ignores the GATEWAY statement.

User or Operator Response: Correct the GATEWAY statement.

DTCPRS054E Line *line*: **Pool size omitted**

Explanation: You did not specify a *number_of_xxxs* in a xxxPOOLSIZE statement.

System Action: TCPIP ignores the statement.

User or Operator Response: Correct the statement.

DTCPRS062E Line *line*: **Unexpected Boolean:** *word*

Explanation: TCPIP expected a command rather than the referenced Boolean expression.

System Action: TCPIP ignores this configuration file statement.

User or Operator Response: Correct the syntax of this configuration file statement.

DTCPRS063E Line *line*: **Pool size specifications must appear before any other commands. Command ignored**

Explanation: A pool size specification was encountered after other configuration file commands. Pool size specifications must appear in the configuration file before any other commands. This pool size specification has been ignored.

System Action: TCPIP ignores the pool size specification.

User or Operator Response: Move the pool size specification to the top of the configuration file.

DTCPRS064E Line *line***: Internal client name not valid in AUTOLOG command**

Explanation: The *user_id* specified in an AUTOLOG statement represents an internal client of TCPIP. User IDs of internal clients are not valid in AUTOLOG statements, because the internal clients' virtual machine has already been started.

System Action: TCPIP ignores the AUTOLOG statement.

User or Operator Response: Correct the AUTOLOG statement within the PROFILE file or the OBEYFILE in which this statement occurs.

DTCPRS065E Line *line***: Missing userid in CLIENTPERFOPTIONS command**

Explanation: You did not specify a user ID in a CLIENTPERFOPTIONS statement.

System Action: TCPIP ignores the CLIENTPERFOPTIONS statement.

User or Operator Response: Correct the CLIENTPERFOPTIONS statement.

DTCPRS066E Line *line***: Internal client name not valid in CLIENTPERFOPTIONS command**

Explanation: The user ID specification in a CLIENTPERFOPTIONS represents an internal client of TCPIP. Internal clients cannot be specified in a CLIENTPERFOPTIONS statement.

System Action: TCPIP ignores the CLIENTPERFOPTIONS statement.

User or Operator Response: Correct the CLIENTPERFOPTIONS statement in the PROFILE configuration file.

DTCPRS067E Line *line***: CLIENTPERFOPTIONS string too long, ignored**

Explanation: The command string specified in a CLIENTPERFOPTIONS statement was too long.

System Action: TCPIP ignores the CLIENTPERFOPTIONS statement; execution continues.

User or Operator Response: Correct the CLIENTPERFOPTIONS statement on the command line, if specified there, or in the PROFILE configuration file, then restart TCPIP.

DTCPRS068E Line *line***: Per cent to drop omitted**

Explanation: The percentage specification was invalid or missing in a DROP statement.

System Action: TCPIP ignores the DROP statement; packets are not dropped.

User or Operator Response: Correct the DROP statement.

DTCPRS069I Line *line***: DROP has been disabled at compilation**

Explanation: The DROP statement was encountered in the configuration file, but the DROP function was disabled when TCP/IP was compiled. To re-enable this function, TCP/IP must be recompiled with the appropriate DEBUG options. The DROP function is a debugging tool that drops random packets to test recovery from lost packets.

System Action: TCPIP ignores the DROP statement; execution continues.

User or Operator Response: None.

System Programmer Response: If you want to enable the DROP function and you have the appropriate source code release, recompile TCPIP with the appropriate debugging flags (DEBUGtrace) set.

DTCPRS072E Line *line***: Invalid file identifier in FILE command**

Explanation: You specified an invalid file name in a FILE statement.

System Action: TCPIP ignores the FILE statement.

User or Operator Response: Correct the FILE statement in the PROFILE configuration file.

DTCPRS073E Line *line***: Missing fields in HOME command**

Explanation: You did not specify one or more parameters in a HOME statement.

System Action: TCPIP ignores the HOME statement.

User or Operator Response: Correct the HOME statement.

DTCPRS074E Line *line***: Unknown link name in HOME cmd**

Explanation: The *link_name* specified in a HOME statement was not defined by a LINK statement.

System Action: TCPIP ignores the HOME statement.

User or Operator Response: Ensure the *link_name* is spelled correctly. If it is, specify a corresponding LINK statement in the configuration file.

DTCPRS075E Line *line***: Internal client name not valid in INFORM, OBEY, or RESTRICT command**

Explanation: The *user_id* specified in an INFORM, OBEY, or RESTRICT statement represents an internal client. Internal clients are not valid parameters for these statements.

System Action: The statement is ignored.

User or Operator Response: Correct the appropriate statement in the PROFILE configuration file.

DTCPRS076E Line *line***: Invalid port number in PORT command:** *port*

Explanation: You specified an out-of-range *port_number* in a PORT statement.

System Action: TCPIP ignores the PORT statement.

User or Operator Response: Correct the PORT statement in the PROFILE configuration file.

DTCPRS077E Line *line***: The PORT command is missing a protocol**

Explanation: You did not specify a protocol specification in a PORT statement.

System Action: TCPIP ignores the PORT statement.

User or Operator Response: Correct the PORT statement.

DTCPRS078E Line *line***: Unknown protocol for PORT command**

Explanation: You specified an unknown protocol in a PORT statement. Valid protocols are UDP and TCP.

System Action: TCPIP ignores the PORT statement.

User or Operator Response: Correct the PORT statement.

DTCPRS079E Line *line*: **The PORT command is missing a userid**

Explanation: You did not specify a *user_id* in a PORT statement.

System Action: TCPIP ignores the PORT statement.

User or Operator Response: Correct the PORT statement

DTCPRS080E Line *line*: **No integer specified for SEED command**

Explanation: You did not specify a *random_number_seed* in a SEED statement.

System Action: TCPIP ignores the SEED statement and uses a seed based on the low-order bits of a hardware clock.

User or Operator Response: Correct the SEED statement.

DTCPRS081E Line *line*: **Missing device name**

Explanation: You did not specify a *device_name* in a START statement.

System Action: TCPIP ignores the START statement.

User or Operator Response: Correct the START statement.

DTCPRS082E Line *line*: **Device not found**

Explanation: The *device_name* specified in a START or STOP statement of the PROFILE configuration file or OBEYFILE has not been defined in a DEVICE statement in the PROFILE. Each *device_name* specified in a START or STOP statement must have a corresponding DEVICE statement in the PROFILE.

System Action: TCPIP ignores the START or STOP statement; execution continues.

User or Operator Response: Add the appropriate DEVICE statement to the PROFILE file. See *TCP/IP Planning and Customization* for more information about the DEVICE statement.

DTCPRS084E Line *line*: **Error starting device. See TCPIP console for details**

Explanation: An error occurred starting a device. The device error message is on the TCPIP console.

System Action: The device could not be started; execution continues.

User or Operator Response: Note the error message. See the appropriate device documentation for troubleshooting procedures.

System Programmer Response: Assist the user in determining and correcting the cause of the device failure.

DTCPRS086E Line *line*: **Device not started**

Explanation: The *device_name* specified in a STOP command within the OBEYFILE has not been started.

System Action: TCPIP ignores the STOP command; execution continues.

User or Operator Response: Determine if the device should be started. If so, see the *TCP/IP Planning and Customization* book for more information about the START statement.

DTCPRS087E Line *line*: **Missing X25 address**

Explanation: You did not specify a *net_address* in a TRANSLATE statement, with address type X25ICA.

System Action: TCPIP ignores the TRANSLATE statement.

User or Operator Response: Correct the TRANSLATE statement.

DTCPRS088E Line *line*: **Missing pronet address**

Explanation: You did not specify a *net_address* in a TRANSLATE statement, with address type PRONET.

System Action: TCPIP ignores the TRANSLATE statement.

User or Operator Response: Correct the TRANSLATE statement.

DTCPRS089E Line *line*: **Invalid pronet address**

Explanation: The *net_address* specified in a TRANSLATE statement, with address type PRONET, is an invalid Pronet address.

System Action: TCPIP ignores the TRANSLATE statement.

User or Operator Response: Correct the TRANSLATE statement.

DTCPRS090E Line *line*: **Missing Ethernet, 802.3 or Token Ring address**

Explanation: You did not specify a *net_address* in a TRANSLATE statement, with address type ETHERNET, IBMTR, FDDI, or HCH.

System Action: TCPIP ignores the TRANSLATE statement.

User or Operator Response: Correct the TRANSLATE statement.

DTCPRS091E Line *line*: **Invalid network in TRANSLATE command:** *network*

Explanation: You specified an invalid network in a TRANSLATE statement. Valid networks are:

- X25ICA
- PRONET
- ETHERNET**
- IBMTR
- FDDI
- HCH
- HIPPI

System Action: TCPIP ignores the TRANSLATE statement.

User or Operator Response: Correct the network specification in the TRANSLATE statement.

DTCPRS092E Line *line*: **Unimplemented command:** *command*

Explanation: The referenced command is not an implemented configuration file statement.

System Action: TCPIP ignores this command.

User or Operator Response: Remove the command on this line of the configuration file.

DTCPRS093E Line *line*: **Unexpected number:** *number*

Explanation: TCPIP does not expect the referenced number at this point in the configuration file.

System Action: TCPIP ignores the statement on this line of the configuration file.

User or Operator Response: Correct the syntax of this line in the configuration file.

DTCPRS094E Line *line*: **Unknown command:** *command*

Explanation: The referenced command is not a known configuration file statement.

System Action: TCPIP ignores this statement.

User or Operator Response: Remove or correct this statement to specify a valid configuration file statement.

DTCPRS115E Line *line*: **Invalid entry following LU keyword**

Explanation: You specified an invalid entry after the keyword LU on this line of the configuration file.

System Action: TCPIP ignores this configuration file line.

User or Operator Response: Correct the appropriate line in the PROFILE configuration file.

DTCPRS116E Line *line*: **Invalid format of Userid** *UserID*

Explanation: The user ID specified on this line of the configuration file is in an invalid format.

System Action: TCPIP ignores this configuration file statement.

User or Operator Response: Correct the user ID specification on this line of the PROFILE configuration file.

DTCPRS117E Line *line*: **Invalid format of LU name** *name*

Explanation: You specified an invalid LU name on this line of the configuration file.

System Action: TCPIP ignores this line of the configuration file.

User or Operator Response: Correct the LU name specified on the indicated line of the PROFILE configuration file.

DTCPRS120E Line *line*: **Invalid entry type encountered in VTAM parameter processing**

Explanation: TCPIP encountered an invalid entry type between BeginVTAM and EndVTAM statements in the configuration file.

System Action: TCPIP ignores the statement.

User or Operator Response: Correct the entry in the PROFILE configuration file.

DTCPRS121E Line *line*: **Invalid entry following device type** *type*

Explanation: You specified an invalid entry following this device type on this line of the configuration file.

System Action: TCPIP ignores this line of the PROFILE file.

User or Operator Response: Correct the appropriate line of the PROFILE configuration file.

DTCPRS122E Line *line*: **Invalid format of Mode Table Name** *name*

Explanation: This mode table name entry in the configuration file is too long.

System Action: TCPIP ignores the mode table name entry.

User or Operator Response: Correct the mode table name entry in the PROFILE configuration file

DTCPRS123E Line *line*: **Unrecognized keyword** *word* **processing VTAM parameters.**

Explanation: You referenced an invalid keyword as a VTAM parameter specification.

System Action: TCPIP ignores this configuration file statement.

User or Operator Response: Correct the VTAM parameter specification.

DTCPRS124E Line *line*: **Invalid entry following DEFAULTAPPL keyword**

Explanation: The entry following a DEFAULTAPPL keyword is not valid.

System Action: TCPIP ignores the DEFAULTAPPL statement.

User or Operator Response: Correct the DEFAULTAPPL entry in the PROFILE configuration file.

DTCPRS125E Line *line*: **Invalid format of Default Application Name** *name*

Explanation: A DEFAULTAPPL statement in the PROFILE configuration file specified a default application name in an invalid format.

System Action: TCPIP ignores the DEFAULTAPPL statement.

User or Operator Response: Correct the DEFAULTAPPL statement in the PROFILE configuration file.

DTCPRS127E Line *line*: **Invalid format of Telnet Application Name** *name*

Explanation: The specified TELNET application name encountered in the PROFILE configuration file is in an invalid format.

System Action: TCPIP ignores this configuration file entry.

User or Operator Response: Correct the PROFILE configuration file entry.

DTCPRS131E CLAW host name missing

Explanation: The CLAW host name is missing from the DEVICE statement.

User or Operator Response: None.

System Programmer Response: Update the PROFILE TCPIP file to add the CLAW host name to the DEVICE statement and either restart TCP/IP or use OBEYFILE to process the new configuration file.

System Action: The CLAW device is not defined to TCPIP.

DTCPRS132E CLAW adapter name missing

Explanation: The CLAW adapter name is missing from the DEVICE statement.

User or Operator Response: None.

System Programmer Response: Update the PROFILE TCPIP file to add the CLAW adapter name to the DEVICE statement and either restart TCP/IP or use OBEYFILE to process the new configuration file.

System Action: The CLAW device is not defined to TCPIP.

DTCPRS133E CLAW may only be used with real channel programs

Explanation: CLAW requires the use of the DIAGNOSE X'98' interface and does not run unless the TCPIP virtual machine us authorized to use the interface.

User or Operator Response: None.

System Programmer Response: Add an OPTION DIAG98 statement to the VM directory for the TCPIP user ID. To restart TCPIP with the new capability, log the TCPIP user ID off and then on again.

System Action: The CLAW device is not defined to TCPIP.

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DTCPRS134E Invalid CLAW read buffer count

Explanation: The CLAW read buffer count is not valid. It must be a positive decimal number.

User or Operator Response: None.

System Programmer Response: Update the PROFILE TCPIP file to correct the CLAW read buffer count on the DEVICE statement and either restart TCP/IP or use OBEYFILE to process the new configuration file.

System Action: The CLAW device is not defined to TCPIP.

DTCPRS135E Invalid CLAW write buffer count

Explanation: The CLAW write buffer count is not valid. It must be a positive decimal number.

User or Operator Response: None.

System Programmer Response: Update the PROFILE TCPIP file to correct the CLAW write buffer count on the DEVICE statement and either restart TCP/IP or use OBEYFILE to process the new configuration file.

System Action: The CLAW device is not defined to TCPIP.

DTCPRS135E
DTCPRS136E Invalid CLAW read buffer size

Explanation: The CLAW read buffer size is not valid. It must be one of the following positive decimal numbers: 1024, 2048, 3172, or 4096.

User or Operator Response: None.

System Programmer Response: Update the PROFILE TCPIP file to correct the CLAW read buffer size on the DEVICE statement and either restart TCP/IP or use OBEYFILE to process the new configuration file.

System Action: The CLAW device is not defined to TCPIP.

DTCPRS137E Invalid CLAW write buffer size

Explanation: The CLAW write buffer size is not valid. It must be one of the following positive decimal numbers: 1024, 2048, 3172, or 4096.

User or Operator Response: None.

System Programmer Response: Update the PROFILE TCPIP file to correct the CLAW write buffer size on the DEVICE statement and either restart TCP/IP or use OBEYFILE to process the new configuration file.

System Action: The CLAW device is not defined to TCPIP.

DTCPRS138E Packet size in GATEWAY command *gateway_stmt* is larger than CLAW write buffer size.

Explanation: The packet size on the GATEWAY statement is smaller than the CLAW write buffer size. This controls the IP datagram size. IP datagrams may not be split between CLAW buffers, so the packet size in the GATEWAY statement may not be larger than the write buffer size.

User or Operator Response: None.

System Programmer Response: Update the PROFILE TCPIP file to correct the maximum packet size on the GATEWAY statement and either restart TCP/IP or use OBEYFILE to process the new configuration file.

System Action: The specific routing is ignored.

DTCPRS145E Invalid IP address (*address*) in TN3270E statement

Explanation: The *address* specified in a TN3270E printer definition in the TCP/IP configuration file is not a valid IP address.

System Action: The statement is ignored.

User or Operator Response: Correct the TN3270E statement in error.

DTCPRS146E Invalid LU name (*LUname*) in TN3270E statement

Explanation: The *LUname* specified in a TN3270E printer definition in the TCP/IP configuration file is not an identifier of eight or fewer characters in length.

System Action: The statement is ignored.

User or Operator Response: Correct the TN3270E statement in error.

DTCPRS147E Invalid user identifier (*userid*) in TN3270E statement

Explanation: The *userid* specified in a TN3270E printer definition in the TCP/IP configuration file is not an identifier of eight or fewer characters in length.

System Action: The statement is ignored.

User or Operator Response: Correct the TN3270E statement in error.

DTCPRS160E Missing NSAP address

Explanation: A 40-hexadecimal-digit physical ATM network address is required on a TRANSLATE statement.

System Action: The TRANSLATE statement is ignored.

System Programmer Response: Supply the missing address.

DTCPRS200E LINK statement: Device and link types are not consistent

Explanation: The device types specified for a DEVICE statement and its corresponding LINK statement do not match. The device type for one of these statements is specified as VIRTUAL, while the other is not.

System Programmer Response: Correct the DEVICE and LINK statements in PROFILE TCPIP and make sure both device types are specified as VIRTUAL.

DTCPRS201E Virtual link not valid for GATEWAY

Explanation: A virtual link was encountered while processing a GATEWAY statement. This is not supported.

System Programmer Response: Correct or remove the GATEWAY statement in PROFILE TCPIP.

DTCPRS202E Virtual device not valid for START or STOP

Explanation: The START or STOP command was issued for a VIRTUAL device. This is not supported.

System Programmer Response: Remove the START or STOP statement for the virtual device from PROFILE TCPIP or your obey file.

| **DTCPRS203E VARSUBNETTING parameter requires ASSORTEDPARMS to be placed before the GATEWAY and BSDROUTINGPARMS statements**

| **Explanation:** The VARSUBNETTING parameter was found in the ASSORTEDPARMS statement. Thus, the variable-length subnet masks coded in both the GATEWAY and BSDROUTINGPARMS statements may not have been processed correctly.

| **System Action:** The subnet masks in the GATEWAY statement may be flagged with errors while those in the BSDROUTINGPARMS statement are changed to fixed length subnet masks.

| **System Programmer Response:** Move the ASSORTEDPARMS statement in PROFILE TCPIP before both the GATEWAY and BSDROUTINGPARMS statements. This will ensure correct processing of variable length subnet masks.

| **DTCPRS204E Subnet masks changed due to conflicts in the BSDROUTINGPARMS statement**

| **Explanation:** The variable length subnet masks specified in the BSDROUTINGPARMS statement are not supported. These are forced to fixed length subnet masks so that subnet masks of the same length are defined for each network.

| **System Programmer Response:** Specify the VARSUBNETTING parameter in the ASSORTEDPARMS statement to enable variable subnetting support. Otherwise, correct the subnet masks in the BSDROUTINGPARMS statement.

| **DTCPRS205I Subnet mask** *subnet_mask* **is not valid; 0 is used**

| **Explanation:** While processing the GATEWAY DEFAULTNET statement, a nonzero subnet mask was encountered.

| **System Action:** A subnet mask of 0 is used and the subnet value is ignored.

| **System Programmer Response:** Correct the GATEWAY DEFAULTNET statement. Use 0 for the subnet mask and do not specify a subnet value.

| **DTCPRS206W Link** *PrimaryLink* **moved to the top of the HOME list; consider making it the first HOME entry**

| **Explanation:** A PRIMARYINTERFACE statement was found in PROFILE TCPIP. While this statement is supported and correct, its use is no longer preferred. It can be removed if the entry for the *link_name* is placed first in the HOME list.

| **System Action:** The *link_name* is placed at the top of the HOME list.

| **System Programmer Response:** Suppress this message by placing the *link_name* first in the HOME list.

| **DTCPRS207E Missing PVC name in ATMPVC statement**

| **Explanation:** An ATMPVC statement does not include the name of the PVC.

| **System Action:** The ATMPVC statement is ignored.

| **System Programmer Response:** Supply the missing one- to eight-character PVC name. It must correspond to the PVC name defined in the OSA configuration.

| **DTCPRS208E Duplicate PVC name** *name*

| **Explanation:** An ATMPVC statement specifies the name of a PVC that is already defined.

| **System Action:** The duplicate ATMPVC statement is ignored.

| **System Programmer Response:** Correct the PVC name or remove the duplicate PVC definition.

| **DTCPRS209E Missing link name**

| **Explanation:** An ATMPVC statement does not include the name of the link with which the PVC is associated.

| **System Action:** The ATMPVC statement is ignored.

| **System Programmer Response:** Supply the missing one- to 16-character ATM link name.

| **DTCPRS212E ATM ARP server name missing**

| **Explanation:** An ATMARPSERVER statement does not include the name of the ATMARP server.

| **System Action:** The ATMARPSERVER statement is ignored.

| **System Programmer Response:** Supply the missing one- to 16-character ATMARP server name.

| **DTCPRS213E Duplicate ATM ARP server name** *name*

| **Explanation:** An ATMARPSERVER statement specifies the name of an AMTARP server that is already defined.

| **System Action:** The ATMARPSERVER statement is ignored.

| **System Programmer Response:** Correct the ATMARP server name or remove the duplicate server definition.

| **DTCPRS214E ATMLIS name missing**

| **Explanation:** An ATMARPSERVER statement does not include the name of the logical IP subnet (defined by an ATMLIS statement) with which the ATMARP server is associated.

| **System Action:** The ATMARPSERVER statement is ignored.

| **System Programmer Response:** Supply the missing one- to 16-character logical IP subnet name.

| **DTCPRS216E Missing ATM ARP server connection specification**

| **Explanation:** An ATMARPSERVER statement does not specify the connection to the ATMARP server.

| **System Action:** The ATMARPSERVER statement is ignored.

| **System Programmer Response:** Supply the missing information, in the form of either the word **SVC** followed by an IP address and the word **NSAP** followed by the ATMARP server ATM physical address (for an SVC connection) or the word **PVC** followed by a PVC name (for a PVC connection).

| **DTCPRS217E Missing PVC name**

| **Explanation:** An ATMARPSERVER statement does not include the name of the PVC that connects to it.

| **System Action:** The ATMARPSERVER statement is ignored.

| **System Programmer Response:** Supply the one- to eight-character name of the PVC connection to the ATMARP server.

DTCPRS219E Missing ATM ARP server IP address

Explanation: An ATMARPSERVER statement does not include the IP address of the ATMARP server.

System Action: The ATMARPSERVER statement is ignored.

System Programmer Response: Supply the IP address of the ATMARP server.

DTCPRS220E Missing 'NSAP'

Explanation: An ATMARPSERVER statement does not include the word **NSAP** after the IP address for an SVC connection.

System Action: The ATMARPSERVER statement is ignored.

System Programmer Response: Supply the word **NSAP** followed by the ATM physical address of the ATMARP server.

DTCPRS221E Missing NSAP address

Explanation: An ATMARPSERVER statement does not include the ATM physical address of the ATMARP server.

System Action: The ATMARPSERVER statement is ignored.

System Programmer Response: Supply the ATM physical address of the ATMARP server.

DTCPRS222E Invalid NSAP address

Explanation: An ATMARPSERVER statement specifies an invalid ATM physical address for the ATMARP server.

System Action: The ATMARPSERVER statement is ignored.

System Programmer Response: Supply the valid ATM physical address of the ATMARP server.

DTCPRS223E Invalid ATM ARP server connection specification

Explanation: An ATMARPSERVER statement specifies an unrecognized form of ATMARP server connection.

System Action: The ATMARPSERVER statement is ignored.

System Programmer Response: Supply the connection specification in the form of either the word **SVC** followed by an IP address and the word **NSAP** followed by the ATMARP server ATM physical address (for an SVC connection) or the word **PVC** followed by a PVC name (for a PVC connection).

DTCPRS224E Missing ATMLIS name

Explanation: An ATMLIS statement does not include the name of the logical IP subnet.

System Action: The ATMLIS statement is ignored.

System Programmer Response: Supply the one- to 16-character name of the logical IP subnet.

DTCPRS225E Duplicate ATMLIS name

Explanation: An ATMLIS statement specifies the name of a logical IP subnet that is already defined.

System Action: The ATMLIS statement is ignored.

System Programmer Response: Correct the logical IP subnet name or remove the duplicate logical IP subnet definition.

DTCPRS226E Missing or invalid subnet value

Explanation: An ATMLIS statement contains a subnet value that is not valid.

System Action: The ATMLIS statement is ignored.

System Programmer Response: Supply the dotted-decimal subnet value.

DTCPRS227E Missing or invalid subnet mask

Explanation: An ATMLIS statement contains a subnet mask that is not valid.

System Action: The ATMLIS statement is ignored.

System Programmer Response: Supply the dotted-decimal subnet mask.

DTCPRS228E Subnet mask incompatible with network address

Explanation: An ATMLIS statement specifies a subnet mask that is incompatible with the network address.

System Action: The ATMLIS statement is ignored.

System Programmer Response: Correct the subnet mask so that it includes all of the bits in the network class mask. For a Class A network, use a mask of 255.0.0.0 or greater. For a Class B network, use a mask of 255.255.0.0 or greater. For a Class C network, use a mask of 255.255.255.0 or greater.

DTCPRS229E Subnet value incompatible with subnet mask

Explanation: An ATMLIS statement specifies a subnet mask and a subnet value that are incompatible.

System Action: The ATMLIS statement is ignored.

System Programmer Response: Either change the subnet mask so that it includes all of the bits in the subnet value or change the subnet value so that it only uses bits in the subnet mask.

DTCPRS230E PORTNAME keyword missing

Explanation: A DEVICE statement for an ATM device does not include the word **PORTNAME**.

System Action: The DEVICE statement is ignored.

System Programmer Response: Supply the word **PORTNAME** followed by the OSA port name.

DTCPRS231E Missing ATM port name

Explanation: A DEVICE statement for an ATM device does not specify the OSA port name.

System Action: The DEVICE statement is ignored.

System Programmer Response: Supply the OSA port name. It must correspond to the port name defined in the OSA configuration.

DTCPRS232E Invalid ATM device parameter

Explanation: A DEVICE statement for an ATM device specifies an unrecognized parameter.

System Action: The DEVICE statement is ignored.

System Programmer Response: Correct or remove the parameter in error.

DTCPRS236E Unknown ATMLIS name *lis* **referenced by ATMARP server** *server*

Explanation: An ATMAPRSERVER statement for ATMARP server *server* refers to an undefined logical IP subnet named *lis*.

System Action: The ATMARP server is unusable.

System Programmer Response: Correct the ATMARPSERVER or ATMLIS statement in error or supply the missing ATMLIS statement to define the logical IP subnet.

DTCPRS237E Unknown ATMPVC name *pvc* **referenced by ATMARP server** *server*

Explanation: An ATMARPSERVER statement for ATMARP server *server* refers to an undefined PVC named *pvc*.

System Action: The ATMARP server is unusable.

System Programmer Response: Correct the ATMARPSERVER or ATMPVC statement in error or supply the missing ATMPVC statement to define the PVC.

DTCPRS238E PVC *pvc* **refers to unknown link name** *link*

Explanation: An ATMPVC statement for the PVC named *pvc* refers to an undefined LINK named *link*.

System Action: The PVC is unusable.

System Programmer Response: Correct the ATMPVC or LINK statement in error or supply the missing LINK statement to define the link.

DTCPRS239E PVC *pvc* **refers to link** *link*, **which is not an ATM link**

Explanation: An ATMPVC statement for the PVC named *pvc* refers to a LINK statement named *link*. However, the LINK does not define an ATM link.

System Action: The PVC is unusable.

System Programmer Response: Correct the ATMPVC or LINK statement in error.

DTCPRS291I Telnet server: TN3270E disabled

Explanation: TN3270E support is disabled because the NOTN3270E option was specified on the INTERNALCLIENTPARMS statement in the TCP/IP configuration file.

System Action: TN3270E sessions are not allowed.

User or Operator Response: None.

DTCPUP091I Unexpected EOF received from Offload while in SendingOnly/ConnectionClosing State

Explanation: An Offload EOF notification has been received while in SendingOnly, ClosingConnection state and an Offload EOF was not pending.

System Action: None.

User or Operator Response: None.

System Programmer Response: If no other related Offload error messages occur in conjunction with this then it was probably a timing related problem and can be ignored. Otherwise, refer to the associated messages to determine what caused the problem.

DTCQUE074I *SnapPushPullQueue* **Don't know what queue - should not be here**

Explanation: One of TCPIP's internal data structures has been corrupted. The program variable FreeAcbPool has been overwritten with an invalid value.

System Action: Execution continues.

User or Operator Response: Tell the system programmer.

System Programmer Response: Determine if any conditions exist that could cause corruption of virtual storage. If any exist, correct them. Otherwise, contact the IBM Support Center.

DTCSHU003E No clients are active, so I'll shut down at once

Explanation: TCPIP is shutting down. Because TCPIP has no active clients, it shuts down immediately.

System Action: TCPIP shuts down.

User or Operator Response: None.

DTCSHU004E *count* **active client{s}, with** *count* **connection{s} in use.**

Explanation: TCPIP is shutting down. TCPIP has the indicated number of active clients, with the indicated number of open connections. These clients are notified of the shutdown and given time to close their connections.

System Action: TCPIP notifies its clients, gives them time to close their open connections, closes any connections clients left open, and shuts down.

User or Operator Response: None.

DTCSHU010E I will delay shutting down for *count* **seconds, so that RSTs and shutdown notifications may be delivered. If you wish to shutdown immediately, without warning, type** `#CP EXT` **again.**

Explanation: To enable clients to shut down cleanly, TCPIP notifies its clients and delays the indicated time to allow the notifications to be received and acted upon. To avoid the delay, type `#CP EXT`. This action can prevent clients from receiving the proper notification.

System Action: If the operator does not type anything, TCPIP pauses to allow its clients to handle the notification of TCPIP shutdown. Then TCPIP shuts down. If the operator types `#CP EXT`, TCPIP immediately shuts down. Because clients may not have time to prepare for shutdown, the results are unpredictable.

User or Operator Response: Generally, you should wait until the shutdown process completes. However, if you wish to shut down immediately, without waiting for TCPIP client users to recover cleanly, you can type `#CP EXT`.

DTCSNM001W Netman Request : Adapter not associated with subchannel, device *address*

Explanation: The SNMP subagent sent a NETMAN request for a 3172 Enterprise Specific MIB variable to the 3172 at address *address*. The response that was received from the 3172 indicated that the adapter/subchannel pair specified in the request is not valid.

This message could also appear if the device that the NETMAN request was sent to was an 8232 instead of a 3172.

System Action: The SNMP subagent returns an SNMP response of GEN_ERR for the requested mib variable. Processing continues.

User or Operator Response: Contact the system programmer.

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System Programmer Response: If the command was sent to an 8232, check the device definitions in the PROFILE TCPIP file and remove the NETMAN keyword from the device definitions. If the command was sent to a 3172, contact your IBM service representative.

DTCSNM002W Netman Request : Invalid Attribute Index *attribute* **received, device** *address*

Explanation: The SNMP subagent sent a NETMAN request for a 3172 Enterprise Specific MIB variable to the 3172 at address *address*. The response that was received from the 3172 indicated that the attribute index number, *attribute*, contained in the request was not valid. See *TCP/IP User's Guide* for a list of the 3172 Attribute Index values.

System Action: The SNMP subagent returns an SNMP response of GEN_ERR for the requested mib variable. Processing continues.

User or Operator Response: Contact the system programmer.

System Programmer Response: Contact the IBM Support Center.

DTCSNM003W Netman Request : Invalid Operation *operation* **requested, device** *address*.

Explanation: The SNMP subagent sent a NETMAN request for a 3172 Enterprise Specific MIB variable to the 3172 at address *address*. The response that was received from the 3172 indicated that the operation field *operation* of the request was not valid.

System Action: The SNMP subagent returns an SNMP response of GEN_ERR for the requested mib variable. Processing continues.

User or Operator Response: Contact the system programmer.

System Programmer Response: Contact the IBM Support Center.

DTCSNM004W Netman Request : Unable to retrieve requested data *attribute*, **device** *address*.

Explanation: The SNMP subagent sent a NETMAN request for a 3172 Enterprise Specific MIB variable to the 3172 at address *address*. The response that was received from the 3172 indicated that the 3172 was unable to retrieve the data for the requested attribute *attribute*. This indicates a potential problem with the 3172. See the *TCP/IP User's Guide* for a list of the 3172 Attribute Index values.

System Action: The SNMP subagent returns an SNMP response of GEN_ERR for the requested mib variable. Processing continues.

User or Operator Response: Check the 3172 for errors.

System Programmer Response: If the error persists, Contact the IBM Support Center.

DTCSNM005W Netman Request : Previous command pending, device *addr*.

Explanation: The SNMP subagent sent a NETMAN request for a 3172 Enterprise Specific MIB variable to the 3172 at address *address*. The response that was received from the 3172 indicated that there was already an outstanding request for this subchannel. This could occur if the SNMP subagent issued a request to the 3172 for the interface at the same time that the interface was being activated, or if 2 requests for 3172 variables were received close enough together that the 3172 had not responded to the first request when the second one was received. Otherwise, this could be an error either in the TCPIP program or in the 3172.

System Action: The SNMP subagent returns an SNMP response of GEN_ERR for the requested mib variable. Processing continues.

User or Operator Response: Reissue the request. If the problem persists, contact the system programmer.

System Programmer Response: Contact the IBM Support Center.

DTCSNM006W Netman Request : Invalid count field *count*, **device** *address*.

Explanation: The SNMP subagent sent a NETMAN request for a 3172 Enterprise Specific MIB variable to the 3172 at address *address*. The response that was received from the 3172 indicated that the data *count* in the count field of the request was not valid.

System Action: The SNMP subagent returns an SNMP response of GEN_ERR for the requested mib variable. Processing continues.

User or Operator Response: Contact the system programmer.

System Programmer Response: Contact the IBM Support Center.

DTCSNM007W Netman Request : Unknown Return Code *returncode*, **device** *address*.

Explanation: The SNMP subagent sent a NETMAN request for a 3172 Enterprise Specific MIB variable to the 3172 at address *address*. The response that was received from the 3172 contained an unknown return code *returncode*.

System Action: The SNMP subagent returns an SNMP response of GEN_ERR for the requested mib variable. Processing continues.

User or Operator Response: Contact the system programmer.

System Programmer Response: Contact the IBM Support Center.

DTCSNM008W Netman Request : Request / Reply Attribute Index mismatch : *attribute1*, *attribute2*, **device** *address*.

Explanation: The SNMP subagent sent a NETMAN request for a 3172 Enterprise Specific MIB variable to the 3172 at address *address*. The attribute index *attribute2* in the response that was received from the 3172 did not match the attribute index *attribute1* of the requested variable. See the *TCP/IP User's Guide* for a list of the 3172 Attribute Index values.

System Action: The SNMP subagent returns an SNMP response of GEN_ERR for the requested mib variable. Processing continues.

User or Operator Response: Contact the system programmer.

System Programmer Response: Contact the IBM Support Center.

DTCSNM009W Netman Request : no response received from device *address*.

Explanation: The SNMP subagent sent a NETMAN request for a 3172 Enterprise Specific MIB variable to the 3172 at address *address*. No Reply was received from the 3172. This is caused by one of the following conditions:

1. A hardware problem that makes the 3172 physically unavailable

2. Heavy network traffic that causes the 3172 to not respond before the NETMAN request timed out

3. The NETMAN request was sent to a device which does not actually support the NETMAN request.

System Action: The SNMP subagent returns an SNMP response of GEN_ERR for the requested mib variable. Processing continues.

User or Operator Response: Check the 3172 for hardware problems. Issue the NETSTAT DEVLINKS command to verify that this device is available to TCP/IP.

System Programmer Response: Verify that the PROFILE TCPIP file does not specify the optional keyword NETMAN for any LCS

devices which do not actually support the 3172 Enterprise specific variables.

| **DTCSTM117I Conn** <connection>**: Telnet server: NoVacancy: Passive open failed.**

| **Explanation:** An attempt to establish a Telnet connection by a passive open has failed, possibly due to resource constraints. An accompanying DTCSTM118I message provides additional information about this failure. For more information about possible causes for this failure, see the descriptions of the TcpOpen and TcpWaitOpen procedure calls in the Pascal Language API section of the *TCP/IP Programmer's Reference*.

| **System Action:** The incoming Telnet connection is terminated.

| **User or Operator Response:** None.

| **DTCSTM118I** <descriptive return code text>

| **Explanation:** This message provides supplementary information for message DTCSTM117I. Descriptive text is displayed which corresponds to a numeric Pascal return code that is produced from an attempt to initiate a TCP connection. Thus, the text of this message can vary, depending on the specific return code obtained from such attempts. See Appendix A of the *TCP/IP Programmer's Reference* for more information about possible Pascal return codes and their corresponding descriptive text.

| **System Action:** The incoming Telnet connection is terminated.

| **User or Operator Response:** None.

DTCSTM256I Telnet server: Line-mode terminal names will be prefixed with 'ccccc'

Explanation: During Telnet server function initialization, the CCSTERMNAME parameter was detected while processing the configuration file. The character string identified in the text of the message was extracted from the file and will be used as the prefix for terminal names of all line-mode Telnet sessions established on the system.

System Action: TCP/IP continues with the initialization of the TCPIP virtual machine.

User or Operator Response: None required; informational message only.

System Programmer Response: None required; informational message only.

DTCSTM257E Telnet server: Invalid or missing value for CCSTERMNAME. Maximum length is 5.

Explanation: During Telnet server function initialization, the CCSTERMNAME parameter was detected while processing the configuration file. However, the parameter either lacked a value or the value supplied exceeded 5 characters in length.

System Action: TCP/IP continues with the initialization of the TCPIP virtual machine. The CCSTERMNAME specification is ignored. The string 'TCPIP' is used as a prefix for terminal names of line-mode Telnet sessions established on the system.

User or Operator Response: Tell the system programmer about the error.

System Programmer Response: Either delete the CCSTERMNAME parameter specification from the INTERNALCLIENTPARMS statement in the configuration file or supply a valid character string to be used as a terminal name prefix.

DTCSTM258E Conn connection**: LdsfInitiate returned** code

Explanation: The LDSF INITIATE presented by the Telnet server returned a bad return code.

System Action: The incoming Telnet connection is terminated.

User or Operator Response: None required.

System Programmer Response: Determine the cause of the LDSF failure and take appropriate action. See the Diagnose X'7C' section of the *VM/ESA: CP Programming Services* book for more information.

DTCSTM259E Conn connection**: LdsfInitiate returned** code

Explanation: The LDSF INITIATE presented by the Telnet server returned a bad return code.

System Action: The incoming Telnet connection is terminated.

User or Operator Response: None.

System Programmer Response: Determine the cause of the LDSF Initiate failure and take appropriate action. See the Diagnose X'7C' section of the *VM/ESA: CP Programming Services* book for more information.

DTCSTM260E Conn connection**: Ldev number** number **is outside allowed range**

Explanation: The Logical device number to be used for this Telnet connection exceeds the maximum range specified in the LDEVRANGE parameters of the INTERNALCLIENTPARMS statement.

System Action: The incoming Telnet connection is terminated.

User or Operator Response: None.

System Programmer Response: Increase the range of logical device numbers that TCP/IP can use by modifying the LDEVRANGE parameters of the INTERNALCLIENTPARMS statement in PROFILE TCPIP.

DTCSTM261E Conn connection**: Ldev number** number **is outside allowed range**

Explanation: The Logical device number to be used for this Telnet connection exceeds the maximum range specified in the LDEVRANGE parameters of the INTERNALCLIENTPARMS statement.

System Action: The incoming Telnet connection is terminated.

User or Operator Response: None.

System Programmer Response: Increase the range of logical device numbers that TCP/IP can use by modifying the LDEVRANGE parameters of the INTERNALCLIENTPARMS statement in PROFILE TCPIP.

DTCSTM262E Telnet server: Invalid or out-of-range values specified for LDEVRANGE.

Explanation: The additional parameters of the LDEVRANGE parameter contain erroneous values

System Action: LDEVRANGE parm is ignored.

User or Operator Response: None.

System Programmer Response: Correct the values specified on the LDEVRANGE parameter in PROFILE TCPIP. Ensure that the upper limit is greater than the lower limit. Also, ensure that the upper limit is less than X'FFFF'.

DTCSTM263I Telnet server: Will use logical device addresses in the range *base* **through** *limit*

Explanation: The Telnet server initialization detected the presence of the LDEVRANGE parameter on the INTERNALCLIENTPARMS statement. Logical device range has been set to the values that are indicated in the message.

System Action: None.

User or Operator Response: None.

DTCSTM267E Telnet server: Conn *n:* **Unable to allocate a data buffer, session terminated.**

Explanation: This message indicates that Telnet was unable to allocate a data buffer.

System Action: The session is terminated.

User or Operator Response: None.

System Programmer Response: Increase the size of the TINYDATABUFFERPOOLSIZE in the TCPIP configuration file.

DTCSTM268E Telnet server: Invalid or missing value for ConnectExit. Maximum length is 8.

Explanation: This message indicates that the name of the ConnectExit that was specified on the INTERNALCLIENTPARMS statement was not valid.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: Correct the ConnectExit parameter of the INTERNALCLIENTPARMS statement the the TCPIP configuration file.

DTCSTM271E Telnet server: Load of ConnextExit *filename* **failed, Rc =***returncode*

Explanation: This message indicates that the ConnectExit specified on the INTERNALCLIENTPARMS statement could not be loaded.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: The action required depends on the return code received from the LOAD macro that was used to load the ConnectExit. See the *CMS Application Development Reference for Assembler* for information on the LOAD macro.

DTCSTM272I Telnet server: ConnectExit *filename* **is active at** *loadaddress*

Explanation: This message indicates that a ConnectExit is active.

System Action: TCPIP continues.

User or Operator Response: None.

System Programmer Response: None

DTCSTM273I Telnet server: ConnectExit *filename* **is now inactive, RC=***nn*

Explanation: The session connection exit returned to TCP/IP with return code 12, 16, or 20. The exit will not be called again. To re-enable the exit, TCP/IP must be restarted.

System Action: TCPIP continues.

User or Operator Response: None.

DTCSTM277I Conn *connection*: **in SendDeviceTypeReject, Reason** *ReasonCode*.

Explanation: TN3270E device type negotiations were in progress for TCP/IP connection *connection* and they failed. The value of *ReasonCode* indicates the nature of the failure. These values are defined and described in RFC 1647, "TN3270 Enhancements" in the section 7.1.6 titled "REJECT Command"

User or Operator Response: You may need to define the device type your TN3270 session is emulating to a device type that is supported by the telnet server to which you are connecting.

System Programmer Response: This message is displayed only when TCPIP diagnostic tracing is active. Examination of the reason code and other diagnostic messages should indicate the cause of the REJECT.

DTCSTM292E Telnet server: Load of Tn3270eExit *name* **failed, Rc =** *code*

Explanation: The printer management exit could not be loaded.

System Action: The printer management is not invoked when TN3270 sessions start and end.

User or Operator Response: Ensure that the exit name is specified correctly on the TN3270EEXIT parameter of the INTERNALCLIENTPARMS statement in the TCP/IP configuration file. Verify that the exit resides in a LOADLIB, TEXT file, or TXTLIB on a disk that is accessed by the server.

DTCSTM293I Telnet server: Load of Tn3270eExit *exitname* **is active at** *address*

Explanation: The printer management exit called *exitname* is loaded at the designated *address*.

System Action: The printer management is invoked when TN3270 sessions start and end.

User or Operator Response: None.

DTCSTM294W Telnet server: Load of Tn3270eExit *name* **is now inactive, Rc =** *code*

Explanation: The printer management exit returned a return code value specifying that it should be deactivated.

System Action: The printer management is not invoked when TN3270 sessions start and end.

User or Operator Response: Ensure that the exit deactivated itself for an appropriate reason. To reactivate the exit, TCP/IP must be restarted.

DTCSTM295I Telnet server: Erase All Unprotected (EAU) data will be ignored

Explanation: The Telnet server will modify the 3270 data stream for the Erase All Unprotected (EAU) command before it is passed on to a Telnet client. Any data received as part of a system-generated EAU command (X'0F') will be discarded. The message is displayed because the IGNOREEAUDATA parameter was specified on the INTERNALCLIENTPARMS statement in the TCPIP PROFILE.

System Action: Any data received as part of a system-generated EAU command (X'0F') will be discarded.

User or Operator Response: None.

DTCIPI001S   Insufficient virtual memory available for TCP-IP

Explanation: TCPIP has run out of virtual memory.

System Action: TCPIP halts execution.

User or Operator Response: Contact the system programmer.

System Programmer Response: Configure the TCPIP virtual machine for more virtual storage.

DTCTCP002E TCP/IP feature not enabled

Explanation: The TCP/IP feature of the VM/ESA system is not enabled.

System Action: TCPIP terminates.

User or Operator Response: Inform the system programmer.

System Programmer Response: If you have a license to use the TCP/IP feature, issue a Control Program SET PRODUCT command to enable product 5735FALQ and start TCP/IP again. To ensure the feature is enabled in the future, add a PRODUCT statement for product 5735FALQ to the Control Program system configuration file.

DTCTCP003E TCP/IP feature not defined

Explanation: The TCP/IP feature of the VM/ESA system is not defined.

System Action: TCPIP terminates.

User or Operator Response: Inform the system programmer.

System Programmer Response: If you have a license to use the TCP/IP feature, issue a Control Program SET PRODUCT command to define and enable product 5735FALQ and start TCP/IP again. To ensure the feature is enabled in the future, add a PRODUCT statement for product 5735FALQ to the Control Program system configuration file.

DTCTCP004E TCP/IP product verification failure

Explanation: An unexpected error occurred while determining if the TCP/IP feature of the VM/ESA system is enabled.

System Action: TCPIP terminates.

User or Operator Response: Inform the system programmer.

System Programmer Response: Contact the IBM Support Center.

DTCTCP005E TCP/IP product verification not supported

Explanation: The version of VM/ESA being used does not support this level of TCP/IP.

System Action: TCPIP terminates.

User or Operator Response: Inform the system programmer.

System Programmer Response: If VM/ESA Version 2 Release 3.0 or later is not installed, use TCP/IP Version 2 Release 4 or earlier. Otherwise, contact the IBM Support Center.

| **DTCTCP006W TCP/IP feature for** *version level* **not enabled but**
| **level -**number **is enabled; initialization proceeding**

| **Explanation:** A PRODUCT statement or SET PRODUCT command
| has not enabled the current level of TCP/IP, but a previous level is
| enabled.

| **System Action:** Initialization continues.

| **System Programmer Response:** Create the appropriate
| PRODUCT statement or SET PRODUCT command.

DTCUTI043I   Diagnose DC error code *code*

Explanation: TCPIP received the indicated error return code in response to a Diagnose X'DC' issued to produce a monitor record. If the error code is 5, the TCPIP virtual machine is not authorized to produce monitor data.

System Action: TCPIP does not produce monitor records.

User or Operator Response: Contact the system programmer.

System Programmer Response: If the error code is 5, ensure that the TCPIP virtual machine's user directory entry includes an OPTION APPLMON statement. Otherwise, contact your IBM Support Center.

DTCVMS002E Error *code* **in command** *command*

Explanation: An error occurred executing a command specified in a Performance Option command. A Performance Option command is specified in the CLIENTPERFOPTIONS statement in the PROFILE file. A CP command in this statement encountered an error.

System Action: Execution continues.

User or Operator Response: Check the commands specified in the CLIENTPERFOPTIONS statement in the PROFILE file for syntax errors. If syntax errors are not present, troubleshoot each command individually, by placing each command in a separate CLIENTPERFOPTIONS statement. Delete one statement and reinitialize TCPIP. Continue this process until the warning message does not appear. When the warning message no longer appears, the last statement deleted contains the command in error. Correct the command and reinitialize TCPIP.

DTCVMS003E I tried to spool a file to an invalid userid: *ID*

Explanation: An attempt by TCPIP to spool a file to a user failed. The possible causes are:

- The user ID contains more than eight characters.
- The user ID is either missing or is not recognized; that is, the user ID is not in the system directory.
- TCPIP does not have authorization to send data to the user, if your system has RACF installed.
- The user ID has a password of NOLOG.

System Action: Execution continues.

User or Operator Response: First, determine if the user ID contains more than eight characters, is missing, or is not in the system directory. If one of these alternatives is true, a statement in the PROFILE file specified an incorrect user ID. Suspect PROFILE statements include:

- AUTOLOG
- CLIENTPERFOPTIONS
- INFORM
- OBEY
- PORT

Check each of these statements in the PROFILE to determine if any specify the user ID contained in the message. If any do specify this user ID, correct the PROFILE statements to specify a valid user ID. Restart TCPIP.

If the user ID does not contain more than eight characters, is not missing, and is in the system directory, two problems are indicated. First, if your system has RACF installed, the TCPIP virtual machine may not have RACF authorization to send data to the specified user. See your RACF administrator to determine if this is the case and to arrange authorization, if necessary. If this is not the cause, the user ID may have a password of NOLOG. Contact your system administrator to establish a valid password for this user ID.

Chapter 18. TCP/IP Utilities

This chapter contains CONVXLAT, FTPPERM, NFSPERM, and TCPRUN messages.

CONVXLAT Messages

DTCCNX001E Usage: CONVXLAT InFileName -OutFileName- (KANJI|HANGEUL|TCHINESE -CODEFILE-

Severity: Error.

Explanation: Invalid syntax was specified for the CONVXLAT command.

User or Operator Response: Re-enter the command using valid syntax. See *TCP/IP Planning and Customization* for more information about customizing DBCS/SBCS translation tables using CONVXLAT.

System Action: Program execution halts. No output file is produced.

Source File: CMCONVXL PASCAL

Programmer Response: GetParameters,DoIt

DTCCNX002E Input file *file* not found

Severity: Error.

Explanation: The CONVXLAT command specified an input file that does not exist.

User or Operator Response: Re-enter the command specifying an existing file for the InFileName parameter. Ensure the file contains valid translation tables. See the *TCP/IP Planning and Customization* for more information about customizing DBCS/SBCS translation tables using CONVXLAT.

System Action: Program execution halts. No output file is produced.

Source File: CMCONVXL PASCAL

Programmer Response: DoIt

DTCCNX003E Premature EOF on input file *file*

Severity: Error.

Explanation: The CONVXLAT command specified an SBCS input file that ended prematurely, before the output translation table was completed.

User or Operator Response: Re-enter the command specifying a valid file for the InFileName parameter. Ensure the file contains valid SBCS translation tables. See *TCP/IP Planning and Customization* for more information about customizing DBCS/SBCS translation tables using CONVXLAT.

System Action: Program execution halts. An invalid output file is produced.

Source File: CMCONVXL PASCAL

Programmer Response: DoOneTable

DTCCNX004E Error in input line: "*input_record*"

Severity: Error.

Explanation: The CONVXLAT command specified an SBCS input file that contained a data error in the specified line. The line did not contain valid hexadecimal codes.

User or Operator Response: Re-enter the command specifying a valid file for the InFileName parameter. Ensure the file contains valid SBCS translation tables. See the *TCP/IP Planning and Customization* book for more information about customizing DBCS/SBCS translation tables using CONVXLAT.

System Action: Program execution halts. An invalid output file is produced.

Source File: CMCONVXL PASCAL

Programmer Response: DoOneTable

DTCCNX005E Input contains wrong number of bytes: "*input_record*"

Severity: Error.

Explanation: The CONVXLAT command specified an SBCS input file that contained a data error in the specified line. The line did not contain 16 valid hexadecimal codes.

User or Operator Response: Re-enter the command specifying a valid file for the InFileName parameter. Ensure the file contains valid SBCS translation tables. See the *TCP/IP Planning and Customization* book for more information about customizing DBCS/SBCS translation tables using CONVXLAT.

System Action: Program execution halts. An invalid output file is produced.

Source File: CMCONVXL PASCAL

Programmer Response: DoOneTable

DTCCNX006E Error in SBCS input data. Incorrect number of code point mappings.

Severity: Error.

Explanation: The input file for the CONVXLAT command did not contain 256 single byte code point mappings.

User or Operator Response: The SBCS translation data must contain exactly 256 code point mappings when using CONVXLAT options KANJI, HANGEUL or TCHINESE. Ensure that the input file has the correct number of single byte code point mappings. See the *TCP/IP Planning and Customization* book for more information about customizing DBCS/SBCS translation tables for use by CONVXLAT.

System Action: Program execution halts. An output file is produced but is not valid.

Source File: CMCONVXL PASCAL

Programmer Response: DoDbcsBinFile, DoCodeFiles

CONVXLAT Messages

DTCCNX008W DBCS code is defined more than once - *code_index*. **Continuing ...**

Severity: Warning.

Explanation: The error occurred during processing of DBCS translation data from the input file. A DBCS code index was defined more than once.

User or Operator Response: Ensure that all DBCS codes in the file are defined only once. See the *TCP/IP Planning and Customization* book for more information about customizing DBCS/SBCS translation tables for use by CONVXLAT.

System Action: Program execution continues. The DBCS code defined more than once will have the value first assigned to it in the input file.

Source File: CMCONVXL PASCAL

Programmer Response: DoDbcsBinFile, DoCodeFiles

DTCCNX009W DBCS code index - *code_index* **- out of order. Continuing...**

Severity: Warning.

Explanation: The error occurred during processing of DBCS translation data from the input file. A DBCS code index was found that was numerically less than the previous code index.

User or Operator Response: Ensure that all DBCS codes in the file are defined in numerical order from the lowest value to the highest. See *TCP/IP Planning and Customization* for more information about customizing DBCS/SBCS translation tables for use by CONVXLAT.

System Action: Program execution continues. The output file may contain unpredictable results and should not be used.

Source File: CMCONVXL PASCAL

Programmer Response: DoDbcsBinFile, DoCodeFiles

DTCCNX010I Current code set is - *code_file*

Severity: Informational.

Explanation: This message is displayed when the CODEFILE option of CONVXLAT is used. It indicates which codefile is currently being generated.

User or Operator Response: None.

System Action: Program execution continues.

Source File: CMCONVXL PASCAL

Programmer Response: DoCodeFiles

DTCCNX011W SBCS code is defined more than once - *code_index*. **Continuing ...**

Severity: Warning.

Explanation: The error occurred during processing of SBCS translation data from the input file. An SBCS code index was defined more than once.

User or Operator Response: Ensure that all SBCS codes in the file are defined only once. See the *TCP/IP Planning and Customization* book for more information about customizing DBCS/SBCS translation tables for use by CONVXLAT.

System Action: Program execution continues. The SBCS code defined more than once will have the value first assigned to it in the input file.

Source File: CMCONVXL PASCAL

Programmer Response: DoDbcsBinFile, DoCodeFiles

DTCCNX012W SBCS code index - *code_index* **- out of order. Continuing...**

Severity: Warning.

Explanation: The error occurred during processing of SBCS translation data from the input file. An SBCS code index was found that was numerically less than the previous code index.

User or Operator Response: Ensure that all SBCS codes in the file are defined in numerical order from the lowest value to the highest. See the *TCP/IP Planning and Customization* book for more information about customizing DBCS/SBCS translation tables for use by CONVXLAT.

System Action: Program execution continues. The output file will contain unpredictable results and should not be used.

Source File: CMCONVXL PASCAL

Programmer Response: DoDbcsBinFile, DoCodeFiles

DTCCNX013I No SBCS input data in input file *file*

Severity: Error.

Explanation: The input file contained only DBCS code point mappings and did not contain the associated SBCS data.

User or Operator Response: Ensure that the input file contains appropriate SBCS code point mappings. See the *TCP/IP Planning and Customization* book for more information about customizing DBCS/SBCS translation tables for use by CONVXLAT.

System Action: Program execution halts. The output file will not be complete and should not be used.

Source File: CMCONVXL PASCAL

Programmer Response: DoDbcsBinFile, DoCodeFiles

DTCCNX015I Error in first line of translation data: *input_record*

Severity: Error.

Explanation: The first line of translation data in the input file was in error. This error may be caused by an incorrect number of translation data columns or by incorrect (for example, too long, too short, not hex data, and so forth) data in the columns. The first line of data must contain correct and complete data for processing to continue.

User or Operator Response: Ensure that the input file contains the appropriate translation data in the first line of uncommented data. See *TCP/IP Planning and Customization* for more information about customizing DBCS/SBCS translation tables for use by CONVXLAT.

System Action: Program execution halts. The output file will be empty.

Source File: CMCONVXL PASCAL

Programmer Response: DoDbcsBinFile, DoCodeFiles

DTCCNX016I Error in DBCS input line: *input_record*

Severity: Error.

Explanation: An error was found processing a line of DBCS translation data from the input file. Incorrect data was found in one of the columns of the input line.

User or Operator Response: Ensure that the input file contains valid translation data in all DBCS data lines. See *TCP/IP Planning and Customization* for more information about customizing DBCS/SBCS translation tables for use by CONVXLAT.

System Action: Program execution halts. The output file will contain invalid data and should not be used.

Source File: CMCONVXL PASCAL

Programmer Response: DoDbcsBinFile, DoCodeFiles

DTCCNX017I Error in SBCS input line: *input_record*

Severity: Error.

Explanation: An error was found processing a line of SBCS translation data from the input file. Incorrect data was found in one of the columns of the input line.

User or Operator Response: Ensure that the input file contains valid translation data in all SBCS data lines. See *TCP/IP Planning and Customization* for more information about customizing DBCS/SBCS translation tables for use by CONVXLAT.

System Action: Program execution halts. The output file will contain invalid data and should not be used.

Source File: CMCONVXL PASCAL

Programmer Response: DoDbcsBinFile, DoCodeFiles

HOMETEST Messages

Cannot issue CP Query Userid Command

Severity: Error.

Explanation: The READtcpipDATAfile procedure issued a nonzero return code.

User or Operator Response: Determine the nature of the problem, correct it, and try again. If the problem persists, contact the IBM Support Center.

System Action: The program halts.

Source File: HOMETEST PASCAL

Procedure Name: Test

Cannot use TCP/IP: *ReturnCode*

Severity: Error.

Explanation: TCPIP is not available because of the listed reason.

User or Operator Response: Determine the nature of the problem, correct it, and try again.

System Action: The program halts.

Source File: HOMETEST PASCAL

Procedure Name: Test

Error: *Address* **is not in the HOME List**

Severity: Error.

Explanation: The listed IP address could not be found in the HOME list.

User or Operator Response: Correct the IP address in the HOME list, the name server, or the site tables, and rerun HOMETEST.

System Action: The program continues.

Source File: HOMETEST PASCAL

Procedure Name: Test

Error: Found no IP addresses corresponding to TCP Host Name: *Name*

Severity: Error.

Explanation: The listed TCP host name could not be resolved because there are no corresponding IP addresses.

User or Operator Response: Correct the HOSTNAME variable in the TCPIP DATA file, or the records in the name server or sites tables, and rerun HOMETEST.

System Action: The program continues.

Source File: HOMETEST PASCAL

Procedure Name: Test

Error: Name resolution through Nameserver was unsuccessful. Reason: *ReturnCode*

Severity: Error.

Explanation: The TCP host name could not be resolved using the name server for the listed reason.

User or Operator Response: Determine why HOMETEST cannot communicate with the name server, and rerun HOMETEST.

System Action: The program continues.

Source File: HOMETEST PASCAL

Procedure Name: Test

InitEmulation failed, try again with ECMODE ON

Severity: Error.

Explanation: TCPIP emulation testing was not successful.

User or Operator Response: Issue the command "#CP SET ECMODE ON", then re-IPL CMS. If the program fails again, try to determine the reasons for the failure before a third attempt.

System Action: The program halts.

Source File: HOMETEST PASCAL

Procedure Name: Test

OBEYFILE Messages

Invalid mode: *mode*

Severity: Error.

Explanation: You input an incorrect file mode. TCP/IP assumes that the user intended a file mode of A, but forgot to type the letter A before the password.

User or Operator Response: The user should input a file name, file type, and a file mode before entering the password.

System Action: The program halts.

| **Mode** *mode* **is not a minidisk**

| **Severity:** Error.

| **Explanation:** You specified a file that resides on a SFS or BFS
| directory, not a minidisk. OBEYFILE can only process files that are
| stored on minidisks.

| **User or Operator Response:** Copy the obey file to a minidisk and
| re-issue the OBEYFILE command.

| **System Action:** The program halts.

FTPPERM and NFSPERM Messages

This section contains FTPPERM and NFSPERM messages.

0010   **You do not have a RACF VMBATCH profile, so you do not need to use** *program_name*

Severity: Error.

Explanation: You have attempted to give the FTP or NFS server the authority needed to act on your behalf, but a *discrete* VMBATCH profile was never created for you. However, the FTP or NFS server may have been given access to the *generic* VMBATCH profile.

User or Operator Response: Go ahead and attempt to use the server. If you receive:

```
530-FTP Server lacks Alternate Userid permission to
     act on behalf of userid, returned 12
```

for FTP, or if you receive an NFS mount failure, contact your system support personnel.

The server must be given CONTROL access to the generic VMBATCH profile, or a discrete VMBATCH profile must be created for you and you must retry the command.

System Action: Command execution stops.

Source File: FTPPERM EXEC, NFSPERM EXEC

0011   **User** *userid* **does not have a RACF VMBATCH profile**

Severity: Error.

Explanation: You have attempted to give the FTP or NFS server the authority needed to act on behalf of the specified user, but a discrete VMBATCH profile does not exist for that user.

User or Operator Response: Create a VMBATCH profile for the user and try the command again, or give each FTP or NFS server CONTROL access to the generic VMBATCH profile.

System Action: Command execution stops.

Source File: NFSPERM EXEC, FTPPERM EXEC

0012   **Syntax Error**

Severity: Informational.

Explanation: You have issued the NFSPERM or FTPPERM command incorrectly.

User or Operator Response: Correct the syntax and reissue the command. The for_userid parameter is used only by a RACF system administrator to issue this command on behalf of another user.

System Action: Command execution stops.

Source File: NFSPERM EXEC, FTPPERM EXEC

0013   **A RACF/VM error was encountered; ensure filemode A is accessed read/write**

Severity: Error.

Explanation: The RACF command used by FTPPERM and NFSPERM use file mode A to hold temporary data, but file mode A is currently accessed read only.

User or Operator Response: Access file mode A in read/write mode.

System Action: Command execution stops.

Source File: NFSPERM EXEC, FTPPERM EXEC

TCPRUN Messages

This section contains TCPRUN messages.

1001   **"***command***" failed with return code** *rc*

Severity: Error.

Explanation: The indicated CP or CMS command failed. Its successful completion is required in order for the server to run. This message is preceded by error text.

User or Operator Response: Correct the error.

System Action: Server initialization stops.

Source File: TCPRUN EXEC

1002   **File IBM DTCPARMS was not found on any accessed disk or directory**

Severity: Error.

Explanation: IBM DTCPARMS is required, but was not found.

User or Operator Response: This error indicates an incorrect or incomplete installation. Ensure that the correct 591 disk is linked and accessed; it is possible that the 591 disk contains an older version of TCP/IP.

System Action: Server initialization stops

Source File: TCPRUN EXEC

1003   **:***tagname.value* **specified in** *fn ft* **is not valid**

Severity: Error.

Explanation: The indicated tag does not have a valid value.

User or Operator Response: Update the file or exec to provide a valid value for the tag.

System Action: Server initialization stops.

Source File: TCPRUN EXEC

1004   **Missing value for tag** *:tag.* **in** *fn ft*

Severity: Error.

Explanation: A value for the indicated tag is required, but was not provided. The file name and file type may refer to a DTCPARMS file or to an exit exec.

User or Operator Response: Update the DTCPARMS file or exit exec to include a value for the indicated tag.

System Action: Server initialization stops.

Source File: TCPRUN EXEC

1005   **Required tag** *:tag.* **was not found in** *fn1 ft1* **[or** *fn2 ft2***]**

Severity: Error.

Explanation: The indicated tag was not included in the indicated DTCPARMS file or exit exec, but is required.

User or Operator Response: Update the DTCPARMS file or exit exec to include the indicated tag and tag value.

System Action: Server initialization stops.

Source File: TCPRUN EXEC

1006   Filemode *fm* **is not read/write, but was specified on**
:Diskwarn. in *fn ft*

Severity: Warning.

Explanation: The :Diskwarn. tag has been specified but the file
mode is accessed read only. This usually applies to file mode A, but
may apply to any accessed file mode.

User or Operator Response: Access the indicated file mode
read/write.

System Action: Server initialization stops.

Source File: TCPRUN EXEC

1007   One or more required libraries were not found

Severity: Error.

Explanation: The C or Pascal runtime library, SCEERUN or
TCPRTLIB LOADLIB, respectively, was not found on any accessed
disk or directory.

User or Operator Response: This error indicates an incorrect or
incomplete installation. TCPRTLIB LOADLIB should be on the
TCP/IP client disk (by default, TCPMAINT 592), and SCEERUN
LOADLIB should be on the Y-disk (by default, MAINT 19E).

System Action: Server initialization stops.

Source File: TCPRUN EXEC

1008   Server [class] *name* **is not defined in** *userid, nodeid,*
SYSTEM or IBM DTCPARMS file

Severity: Error.

Explanation: The server's user ID or class name could not be
found in a DTCPARMS file.

User or Operator Response: If a locally defined user ID is being
used, ensure that a DTCPARMS file :Type.Server entry has been
created to define the server. If a reference is being made to a
locally defined class, then that class must also be defined in
DTCPARMS.

If the server was provided by IBM, ensure that any requisite service
to VM TCP/IP has been applied and that all installation steps have
been performed.

System Action: Server initialization stops. Server profile exits are
called with call type **ADMIN**.

Source File: TCPRUN EXEC

1009   Server cannot run in a 370-mode virtual machine

Severity: Error.

Explanation: An attempt was made to start the server in a
370-mode virtual machine. This configuration is not supported.

User or Operator Response: Ensure the server has a MACHINE
XA or MACHINE XC statement in its VM directory entry.

System Action: Server initialization stops. Server profile exits are
called with call type **ADMIN**.

Source File: TCPRUN EXEC

| **1010   *userid* is not authorized to issue the *command***
| **command**

Severity: Error.

| **Explanation:** The server must be able to issue the indicated CP
| command, but does not have the correct CP privilege class.

User or Operator Response: Give the server the necessary
privilege class.

System Action: Server initialization stops. Server profile exits are
called with call type **ADMIN**.

Source File: TCPRUN EXEC

1011   Server started at *time* **on** *date* **(***weekday***)**
Running "*program***"**

Severity: Informational.

Explanation: The server program is starting.

User or Operator Response: None.

System Action: Processing continues.

Source File: TCPRUN EXEC

1012   Password validation routine *name* **could not be**
found

Severity: Error.

Explanation: The program specified on the :ESM_Validate. tag in
DTCPARMS could not be found. The program must be a relocatable
MODULE file.

User or Operator Response: Ensure the tag value is correct and
that the program is on a disk accessed by the server.

System Action: Server initialization stops. Server profile exits are
called with call type **ADMIN**.

Source File: TCPRUN EXEC

1013   RACROUTE security manager interface *name* **could**
not be found

Severity: Error.

Explanation: The program specified on the :ESM_Racroute. tag in
DTCPARMS could not be found.

User or Operator Response: Ensure the tag value is correct and
that the program is on a disk accessed by the server.

System Action: Server initialization stops. Server profile exits are
called with call type **ADMIN**.

Source File: TCPRUN EXEC

1014   Server ended normally at *time* **on** *date* **(***weekday***)**

Severity: Informational.

Explanation: The server ended with return code zero.

User or Operator Response: None.

System Action: Processing continues. Server profile exits are
called with call type **END**.

Source File: TCPRUN EXEC

1015   Server ended with RC=*rc* **at** *time* **on** *date* **(***weekday***)**

Severity: Informational.

Explanation: The server ended with a nonzero return code.

User or Operator Response: None.

System Action: Processing continues. Server profile exits are called with call type **END**.

Source File: TCPRUN EXEC

1016   Attempting to define the required minimum of {*nn***K | ***nn***M} of virtual storage**

Severity: Informational.

Explanation: The current virtual machine size is less than the amount specified on the :Memory. tag in DTCPARMS. An attempt will be made to increase the amount of virtual storage.

User or Operator Response: Change the CP directory entry for this server to specify a default virtual storage size greater than or equal to the value on the :Memory. tag.

System Action: If the virtual machine is authorized to use the indicated amount of memory, the server will be restarted. Otherwise, server initialization stops.

Source File: TCPRUN EXEC

1017   Filemode *fm* **is** *nn***% full**

Severity: Warning.

Explanation: The :Diskwarn. tag has been specified in DTCPARMS and the indicated file mode has reached or exceeded the specified capacity threshold.

User or Operator Response: Be prepared to provide more space, or reduce the space requirements (such as that used for tracing)

System Action: Processing continues.

Source File: TCPRUN EXEC

1018   No rexec agents found for *userid* **- anonymous rexec not allowed**

Severity: Warning.

Explanation: No DTCPARMS entry with :type.server, :class.rexec_agent, and :for.*userid* could be found.

User or Operator Response: If anonymous rexec is desired, define at least one rexec agent in DTCPARMS.

System Action: Processing continues. The server will refuse connections from anonymous rexec clients.

Source File: TCPRUN EXEC

1019   Server will not be logged off because you are connected

Severity: Informational.

Explanation: When you are logged on to the server virtual machine, server termination will not perform a CP LOGOFF.

User or Operator Response: None.

System Action: Processing continues.

Source File: TCPRUN EXEC

1020   :Exit.*name* **specified in** *fn ft* **does not exist**

Severity: Error.

Explanation: The indicated server profile exit, *name* EXEC, could not be run because it does not exist.

User or Operator Response: Server profile exits should be placed on TCPMAINT 198. Alternatively, remove the :Exit. tag from the DTCPARMS file.

System Action: Server initialization stops. Server profile exits are called with call type **ADMIN**.

Source File: TCPRUN EXEC

1021   To cancel *server* **startup, type any non-blank character and press ENTER. To continue startup, just press ENTER**

Severity: Response required.

Explanation: This message is displayed whenever a server is manually started; that is, when started with a connected virtual console. An option is provided to cancel server initialization.

User or Operator Response: Type a non-blank character if desired, and then press ENTER.

System Action: If ENTER is pressed without first typing a non-blank character, server initialization stops. The execution environment has been established, so you can start the server manually by entering the server command name, along with any desired parameters, at the CMS ready message. Otherwise, initialization continues.

Source File: TCPRUN EXEC

1022   Console log will be sent to user *userid*

Severity: Informational.

Explanation: A server console log will be generated and sent to the indicated user ID.

User or Operator Response: None.

System Action: Processing continues.

Source File: TCPRUN EXEC

1023   Console log has been cancelled

Severity: Informational.

Explanation: A blank :Owner. tag has been specified in DTCPARMS.

User or Operator Response: None.

System Action: Processing continues. No console log is created; any partial console log is purged.

Source File: TCPRUN EXEC

1024   Unable to send console log to user *userid*

Severity: Informational.

Explanation: *userid* does not exist or may not otherwise receive spool files from this server.

User or Operator Response: Specify a valid user id on the :Owner. tag. in DTCPARMS.

System Action: Processing continues. The console log will be sent to the server's own virtual reader.

Source File: TCPRUN EXEC

1025   Server program *name* **could not be found**

Severity: Error.

Explanation: The command defined on the :Command. tag in DTCPARMS could not be found and the server could not be started.

User or Operator Response: Ensure the correct disks are accessed and that the server program is available.

System Action: Server initialization stops. Server profile exits are called with call type **ADMIN**.

Source File: TCPRUN EXEC

1026   *fn* EXEC {SETUP | BEGIN} returned "*data*"

Severity: Informational.

Explanation: A server profile exit **SETUP** or **BEGIN** processor has returned DTCPARMS override data.

User or Operator Response: None.

System Action: Processing continues.

Source File: TCPRUN EXEC

1027   Server will use TcpipUserid *userid*

Severity: Informational.

Explanation: The TCPIP DATA file used by this server contains a **TcpipUserid** statement specifying a TCP/IP stack user ID other than the default, TCPIP.

User or Operator Response: If *userid* is correct, this message may be surpressed by specifying :Stack.*userid* in DTCPARMS. If *userid* is not correct, ensure that the correct 592 (TCP/IP client) disk is linked and that there are no extraneous TCPIP DATA files in the search order.

System Action: Processing continues.

Source File: TCPRUN EXEC

1028   :Stack.*userid1* **specified in** *fn ft* **does not match "TcpipUserid** *userid2*" **in the TCPIP DATA file**

Severity: Error.

Explanation: A stack mismatch has been detected. The TCPIP DATA file available to this server indicates that this server will use *userid2* as its TCP/IP server, but DTCPARMS specifies that *userid1* is intended.

User or Operator Response: If *userid2* is correct, change

DTCPARMS to specify :Stack.*userid2*. If *userid2* is not correct, ensure that the correct 592 (TCP/IP client) disk is linked and that there are no extraneous TCPIP DATA files in the search order.

System Action: Server initialization stops. Server profile exits are called with call type **ADMIN**.

Source File: TCPRUN EXEC

1097   Server startup cancelled by *fn* **EXEC, RC=***rc*

Severity: Informational.

Explanation: A server profile exit (SETUP or BEGIN processing) returned a nonzero return code, signalling that the server should not be started.

User or Operator Response: Determine why the server profile exit returned a nonzero return code and, if necessary, correct the problem and restart the server. In some installations this may be used to prevent the accidental initialization of certain TCP/IP services.

System Action: Server initialization stops.

Source File: TCPRUN EXEC

1098   Server startup cancelled at user request

Severity: Informational.

Explanation: The user at the virtual console entered a non-blank value in response to message DTC1021R.

User or Operator Response: None.

System Action: Server initialization stops.

Source File: TCPRUN EXEC

1099   Server not started - correct problem and retry

Severity: Error.

Explanation: This message is preceded by one or more messages that indicate the reason the server was not started.

User or Operator Response: Correct the indicated problem and restart the server.

System Action: Server initialization stops.

Source File: TCPRUN EXEC

TCPRUN Messages

Chapter 19. TFTP Messages

Cannot load translate table *@SayFileName(TranslateTableSpec)* **:**
ReturnCode

Severity: Warning.

Explanation: Possible user input or system problem. The
requested translation table cannot be found.

User or Operator Response: Check the requested translation
table file name, and the *ReturnCode*. Correct your input and try
again.

System Action: None.

Source File: TFTP PASCAL

Procedure Name: Initialize

Command *Command* **not known.**

Severity: Warning.

Explanation: You input a command that is unknown to TFTP.

User or Operator Response: Examine your input for errors and
resubmit file transfer request.

System Action: None.

Source File: TFPARSE PASCAL

Procedure Name: Help

File transfer aborted.

Severity: Warning.

Explanation: The requested file transfer was unsuccessful.

User or Operator Response: If other messages are not displayed,
try the file transfer again. If other messages follow this message,
take appropriate actions.

System Action: None.

Source File: TFTP PASCAL

Procedure Name: TFTP

Invalid option *word* **ignored**

Severity: Warning.

Explanation: TFTP did not understand the listed option you
specified.

User or Operator Response: Correct your input and try again.

System Action: None.

Source File: TFTP PASCAL

Procedure Name: Initialize

Missing parm after TRANSLATE

Severity: Warning.

Explanation: You did not specify a TRANSLATE parameter in the
TFTP command.

User or Operator Response: Correct your input and try again.

System Action: None.

Source File: TFTP PASCAL

Procedure Name: Initialize

Not Connected

Severity: Warning.

Explanation: You have not established a connection with a foreign
host. TFTP file transfers are not possible with an unconnected
system.

User or Operator Response: Check to see if the server on the
foreign host is active. Resubmit your TFTP request again with a
host name.

System Action: None.

Source File: TFTP PASCAL

Procedure Name: TFTP

TFTP: bad packet count - packet count remains: *MaxBlockResent*

Severity: Warning.

Explanation: The parameter you specified with the MAXPKT
command is not valid.

User or Operator Response: Check the value you specified with
the MAXPKT command and try again.

System Action: None.

Source File: TFTP PASCAL

Procedure Name: TFTP

TFTP: bad rexmit interval - rexmit interval remains:
RexmitInterval

Severity: Warning.

Explanation: The parameter you specified with the MAXPKT
command is not valid.

User or Operator Response: Check the value you specified with
the MAXPKT command and try again.

System Action: None.

Source File: TFTP PASCAL

Procedure Name: TFTP

TFTP: Host *address* **not known.**

Severity: Warning.

Explanation: The requested foreign host address is not in the host
ID table.

User or Operator Response: Correct your input and try again.

System Action: None.

Source File: TFTP PASCAL

Procedure Name: TFTP

TFTP: Host *Host* **not known.**

Severity: Warning.

Explanation: The requested foreign host name is not in the host ID
table.

User or Operator Response: Correct your input and try again.

System Action: None.

Source File: TFTP PASCAL

Procedure Name: Initialize

TFTP: *Message*

Severity: Error.

Explanation: This informational message precedes TFUTIL messages.

User or Operator Response: None.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: TFTP

TFTP: Unknown mode.

Severity: Warning.

Explanation: The transfer mode you specified is unknown to TFTP.

User or Operator Response: Ensure that you specified either ASCII or OCTET mode; these are the only valid modes.

System Action: None.

Source File: TFTP PASCAL

Procedure Name: TFTP

UdpSend: *ReturnCode*

Severity: Error.

Explanation: This message displays any nonzero return code from the file transfer procedure.

User or Operator Response: None.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: Dispatch

Unknown tftp command.

Severity: Error.

Explanation: You input an unknown command.

User or Operator Response: Examine your input for errors and resubmit the command.

System Action: None.

Source File: TFTP PASCAL

Procedure Name: TFTP

---

*Where***Block Number =** *BlockNumber*

Severity: Error.

Explanation: This message displays the packet in the specified file where an error caused the file transfer to fail.

User or Operator Response: Use this message to debug your file transfer request.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: PrintPacket

---

*Where***Bufsize:** *bufsize* **Recfm:** *recfm*

Severity: Error.

Explanation: This message displays the buffer size and record format of the file in which the transfer failed.

User or Operator Response: Use this message to debug your file transfer request.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: PrintFscb

---

*Where***Bytecount:** *bytecount* **Longpos:** *longpos*

Severity: Error.

Explanation: This message displays whether a value was specified for *longpos* and what that value was.

User or Operator Response: Use this message to debug your file transfer request.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: PrintFscb

---

*Where***Command:** *command* **Filename:** *filename* **Filetype:** *filetype*

Severity: Error.

Explanation: This message displays the file name and file type of the file in which the transfer failed.

User or Operator Response: Use this message to debug your file transfer request.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: PrintFscb

---

*Where***Error Code =** *ErrorCode*

Severity: Error.

Explanation: Displays the error code at the time the file transfer failed.

User or Operator Response: Use this message to debug your file transfer request.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: PrintPacket

---

*Where***Filemode:** *filemode(.1.) filemode(.2.)*

Severity: Error.

Explanation: Displays the minidisks that were linked when the file transfer failed.

User or Operator Response: Use this message to debug your file transfer request.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: PrintFscb

*Where***Flag:** *flag* **ShortRecCount:** *ShortRecCount*

Severity: Error.

Explanation: This message displays the value of the *ShortRecCount* parameter.

User or Operator Response: Use this message to debug your file transfer request.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: PrintFscb

---

*Where***LongRecCount:** *LongRecCount*

Severity: Error.

Explanation: This message displays the value of the *LongRecCount* parameter.

User or Operator Response: Use this message to debug your file transfer request.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: PrintFscb

---

*Where***Shortpos:** *shortpos*

Severity: Error.

Explanation: This message displays the value of the *UnsignedHalfWordType* parameter.

User or Operator Response: Use this message to debug your file transfer request.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: PrintFscb

---

*Where***Unknown packet type**

Severity: Error.

Explanation: Trace did not find the block number.

User or Operator Response: Use this message to debug your file transfer request.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: PrintPacket

---

*Where***Writeptr:** *writeptr* **Readptr:** *readptr*

Severity: Error.

Explanation: Displays the position of the read and write pointers at the time the file transfer failed.

User or Operator Response: Use this message to debug your file transfer request.

System Action: None.

Source File: TFUTIL PASCAL

Procedure Name: PrintFscb

Chapter 20. TFTPD Messages

This section contains TFTPD messages. Follow the User response, as appropriate within each message area, to resolve the problem.

Creation path was specified as a relative path. Absolute path name will be determined as each request is handled.

Severity: Informational.

Explanation: The creation path was specified as a relative path instead of an absolute path. Relative paths require that the absolute path be determined by appending the relative path name to the current working directory.

User or Operator Response: None.

System Action: The server constructs the absolute path name when each write or read request begins.

Source File: TFTCMD PLX

Option *option* **requires a value.**

Severity: Error.

Explanation: An option keyword was specified without the required option value.

User or Operator Response: Reissue the TFTPD command with the option value included.

System Action: The server shuts down.

Source File: TFTCMD PLX

Pathname specified for CREATION is not valid

Severity: Error.

Explanation: The pathname specified with the CREATION option is not valid. This problem can be caused by specifying:

- the pathname as a fully qualified Byte File System pathname,
- a pathname that does not exist,
- a pathname that the server is not permitted to access.

User or Operator Response: Reissue the command or subcommand with the pathname specified correctly.

System Action: The command or subcommand ends.

Source File: TFTCMD PLX and TFTCON PLX

RC=rc **RE=**re **opening** *file*

Severity: Error.

Explanation: An unexpected return code and reason code was encountered when attempting to open the indicated file.

User or Operator Response: See *VM/ESA: CMS Application Development Reference* for information on the possible return codes and reason codes. Correct the cause of the error and reissue the command or subcommand.

System Action: The command or subcommand ends.

Source File: TFTHLP PLX, TFTPFL PLX, and TFTUID PLX

RC=rc **starting APPLDATA monitoring**

Severity: Informational.

Explanation: APPLDATA monitoring was not begun because of the indicated return code. This is normal if you have not set up the server to collect APPLDATA information.

User or Operator Response: See *VM/ESA: CP Programming Services* for more information on DIAGNOSE X'DC'.

System Action: The server comes up.

Source File: TFTINI PLX

Syntax: CREATION NO or pathname

Severity: Informational.

Explanation: The CREATION subcommand was specified with an incorrect number of operands.

User or Operator Response: Reissue the subcommand with the correct number of subcommands.

System Action: The subcommand ends.

Source File: TFTCON PLX

Syntax: DROPFILE pathname

Severity: Error.

Explanation: The DROPFILE subcommand was specified with an incorrect number of operands or incorrect operands.

User or Operator Response: Reissue the DROPFILE subcommand with the operand specified correctly.

System Action: The DROPFILE subcommand ends.

Source File: TFTCON PLX

Syntax: *subcommand*

Severity: Error.

Explanation: The indicated subcommand was specified with additional operands. The subcommand should have no operands.

User or Operator Response: Reissue the subcommand without specifying operands.

System Action: The subcommand ends.

Source File: TFTCON PLX

Syntax: XFERMODE OCTET or RESPECT

Severity: Informational.

Explanation: An incorrect number of operands or an incorrect operand was specified on the XFERMODE subcommand.

User or Operator Response: Reissue the XFERMODE subcommand with the operands specified correctly.

System Action: The subcommand ends.

Source File: TFTCON PLX

TPTPD Messages

Unrecognized operand *operand* **-- continuing**

Severity: Error.

Explanation: An unrecognized operand was encountered on the TFTPD command line.

User or Operator Response: Reissue the TFTPD command with the operands specified correctly.

System Action: The server shuts down.

Source File: TFTCMD PLX

Unrecognized option *option* **- continuing**

Severity: Error.

Explanation: An option was entered on the command line that was not recognized.

User or Operator Response: Reissue the TFTPD command with the option specified correctly.

System Action: The server comes up and the option is ignored.

Source File: TFTCMD PLX

Unrecognized port number.

Severity: Error.

Explanation: An invalid port number was specified.

User or Operator Response: Reissue the TFTPD command with the port number specified correctly.

System Action: The server shuts down.

Source File: TFTCMD PLX

Unrecognized value for option *operand*

Severity: Error.

Explanation: The value specified for the indicated option is not valid.

User or Operator Response: Reissue the TFTPD command with the option value specified corrrectly

System Action: The TFTPD server ends.

Source File: TFTCMD PLX

Chapter 21. UFTD Messages

This chapter contains UFTD messages. Follow the User Response, as appropriate, within each message area to resolve the problem.

UFT1200E   Code level mis-match: expected *level1* **but found** *level2*

Explanation: The UFT protocol version level specified in the UFTD EXEC and GLOBALV group UFTD does not match the level specified in UFTD REXX. There is probably an install or build problem that has caused different server or release levels of UFTD to be present on your system.

System Action: The server shuts down.

User or Operator Response: Correct the level mismatch and restart UFTD.

Source File: UFTD EXEC

UFT8387E   Missing value for *statement* **statement**

Explanation: A value required on the UFTD configuration file statement is missing.

System Action: The server shuts down.

User or Operator Response: Correct the configuration file statement and restart UFTD.

Source File: TCPSHELI EXEC

UFT8388E   Invalid statement: *statement*

Explanation: The UFTD configuration file statement is unknown or incorrect.

System Action: The server shuts down.

User or Operator Response: Correct the configuration file statement and restart UFTD.

Source File: TCPSHELI EXEC

UFT8389E   Invalid operand: *operand*

Explanation: An invalid operand was encountered when this command was entered.

System Action: The command is not executed, server operation continues.

User or Operator Response: Correct the operand and enter the command again.

Source File: TCPSHELL EXEC

UFT8390E   Invalid value *value* **for** *statement* **statement**

Explanation: The UFTD configuration file statement contains an incorrect value.

System Action: The server shuts down.

User or Operator Response: Correct the configuration file statement and restart UFTD.

Source File: TCPSHELI EXEC

UFT8391E   Missing keyword: *keyword* **for** *statement* **statement**

Explanation: The UFTD configuration file statement is missing a required keyword.

System Action: The server shuts down.

User or Operator Response: Correct the configuration file statement and restart UFTD.

Source File: TCPSHELI EXEC

UFT8560I   This UFTD server is not defined in TCPIP DATA

Explanation: The TCPIP DATA file that is the highest in the file mode search order for the UFTD server does not contain a UFTSERVERID statement with this UFTD server's user ID.

System Action: Server operation continues.

User or Operator Response: Add the necessary UFTSERVERID statement to the TCPIP DATA file. This will allow CMS productivity aids such as RDRLIST and RECEIVE to see files originated by UFTD as network server files. This will then allow the productivity aids to present true file origin information to CMS users.

Source File: UFTD EXEC

UFT8564E   CONFIGURATION file: *filename filetype* **not found**

Explanation: The UFTD configuration file UFTD CONFIG was not found on any available file mode.

System Action: The server shuts down.

User or Operator Response: Locate or create the UFTD CONFIG file and make it available on a UFTD server visible file mode.

Source File: TCHSHELI EXEC

UFT8564E   TRANSLATE file: *filename filetype* **not found**

Explanation: The translation file's file name and file type specified by the TRANSLATE statement in the UFTD configuration file was not found on any available file mode.

System Action: The server shuts down.

User or Operator Response: Correct the configuration file TRANSLATE statement and restart UFTD.

Source File: TCHSHELI EXEC

UFT8565E   Error from *command* **command RC=***rc*

Explanation: The specified CP or CMS command issued internally by the UFTD server failed with unexpected return code.

User or Operator Response: Determine why the named command failed using the *VM/ESA: CMS Command Reference* or the *VM/ESA: CP Command and Utility Reference* for more information and correct the problem.

System Action: The server continues operation.

Source File: TCPSHELL EXEC, TCPSHELI EXEC, UFTD EXEC and UFTD REXX

UFTD Messages

UFT8566E   User exit *filename* **EXEC not found**

Explanation: The user exit file name specified on the UFTD configuration file statement or entered from the console as an UFTD command was not found on any UFTD visible file space.

User or Operator Response: If the exec was entered incorrectly on an UFTD configuration statement, correct the statement and restart the server. If it was entered incorrectly on an UFTD command, correct the file name and enter the command again. If it was entered correctly, make sure the file has a file type of EXEC and that it is available on UFTD visible file space, and try again.

System Action: When the failure occurs on an UFTD configuration file statement, the server shuts down. When the failure occurs from an UFTD command, the command is not executed and the server continues operation.

Source File: TCPSHELL EXEC and TCPSHELI EXEC

UFT8567E   Unexpected return from user exit *filename* **EXEC, RC=***rc*

Explanation: A system administrator-supplied UFTD exit exec has returned a return code that is not defined as a valid return code.

User or Operator Response: Correct the exit exec and re-enable the exit. While the exec is being corrected, you may want to disable the exit, see the NSLOOKUP and UFTCMDS commands in the *TCP/IP Planning and Customization* manual.

System Action: Server processing continues and the exit remains enabled.

Source File: TCPSHELL EXEC and UFTD REXX

UFT8568E   Unknown UFTD command

Explanation: A command has been entered from the UFTD console which is unknown both to UFTD's command processor and to CMS.

System Action: The command is not executed and server processing continues.

User or Operator Response: Correct the command and enter it again.

Source File: TCPSHELL EXEC

UFT8569E   Unable to establish the Event Monitor Environment

Explanation: An error prevented the enablement of the event monitor environment.

System Action: The server shuts down.

User or Operator Response: IPL CMS and restart the server.

Source File: TCPSHELL EXEC

| **UFT8570I   *exit-type* exit** *name* **has turned off** *exit-type* **function**

| **Explanation:** A system administrator-supplied NSLOOKUP exit or
| UFTCMDS exit has exited with a return code indicating the exit
| function should be turned off.

| **System Action:** UFTD continues normal operation, but the exit is
| no longer called.

| **User or Operator Response:** Inform the administrator, and
| determine what condition(s) might cause the exec to request the exit
| be turned off. Correct that condition and reactivate the exit as
| desired.

| **Source File:** UFTD REXX

UFT9002I   File (*UFT) spooled to *userid1* **-- origin** *domain***(***userid2***)** *date time timezone*

Explanation: A file has been successfully received from one user ID at the specified domain and spooled to another user ID on the local system.

System Action: Operation continues.

User or Operator Response: None.

Source File: UFTD REXX

Chapter 22. X.25 Messages

X25IPIC   -- Prior command pending

Severity: Warning.

Explanation: An attempt to post a command to a task failed because a previous command is active. When the previous command completes, the command can be reissued.

User or Operator Response: Wait for the previous command to complete, and reissue the command.

System Action: The command is ignored.

Source File: xnx25cmd assemble

Procedure Name: None.

X25IPIC   -- Program name must be specified

Severity: Error.

Explanation: An entry point name for the interface task to be started was not specified.

User or Operator Response: Reissue the START command including the entry point name.

System Action: The START command is ignored.

Source File: xnx25cmd assemble

Procedure Name: None.

X25IPIC   -- Task has not been started

Severity: Error.

Explanation: An attempt to send a command to a task failed or an attempt to cancel a task failed. In either case, the failure occurred because the specified task is not active.

User or Operator Response: Issue the START command before other commands.

System Action: The command is ignored.

Source File: xnx25cmd assemble

Procedure Name: None.

X25IPIC   -- Task has terminated, user=_user_ **system=**_system_

Severity: Fatal.

Explanation: An attempt to post a command to a task failed, because the task had terminated. The task completion codes are reported.

User or Operator Response: The task must be restarted.

System Programmer Response: Use the completion codes to determine the cause of termination.

System Action: The command is ignored.

Source File: xnx25cmd assemble

Procedure Name: None.

X25IPIC   -- Task is already started

Severity: Error.

Explanation: This interface task is still active; another task cannot run until the current task terminates.

User or Operator Response: Terminate the previous task before starting a new one.

System Action: The command is ignored.

Source File: xnx25cmd assemble

Procedure Name: None.

X25IPI099T   WTO text overflow

Explanation: XNX25IPI encountered an overflow in the Write To Operator (WTO) area, which is used to display informational and error messages.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the cause of the overflow and submit the ABEND dump to the IBM Support Center.

System Action: The program abends with an ABEND X'099' message.

X25IPI911W Refusing IUCV connection

Explanation: XNX25IPI is refusing an IUCV connection, because the caller does not have the correct user ID or is already connected.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Verify the TCPIP user ID entry in the TCPIP DATA file, and check that only a single X25NPSI device is defined in the PROFILE TCPIP file with the user ID of this X25IPI virtual machine or address space.

System Action: The IUCV connection is refused.

X25IPI921I   Logon exit refusing session

Explanation: XNX25IPI is refusing a logon session because:

- The logon was not initiated by X.25 NPSI

- For an MCH with LOGAPPL coded, the MCH is not defined by a LINK entry, or the MCH is not in a state where a logon is expected

- A virtual circuit is not in a state where a logon is expected, possibly because a call request was unsuccessful.

User or Operator Response: Notify the system programmer if the message is issued frequently, and connections are failing.

System Programmer Response: Check the source of the logons; determine the reason for the call request failure.

System Action: The NPSI LU session logon is refused.

X.25 Messages

X25IPI931E   Network services exit: Unrecognized request type

Explanation: XNX25IPI received an unrecognized Network Services RU from VTAM. The supported RU are:

- Cleanup Session (X'810629')
- NS Procedure Error (X'010604')
- Notify (X'810620')

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Obtain a VTAM trace to determine the Network Services RU type.

System Action: VTAM is notified that the NS RU was not handled.

X25IPI932I   Network services exit: Cleanup session notification posted

Explanation: A VTAM Cleanup Session RU was received.

User or Operator Response: None.

System Action: The VTAM session is terminated. A failure message for the MCH or virtual circuit (VC) session follows.

X25IPI933W Network services exit: Session initiation failure notification posted

Explanation: A VTAM Session initiation failure RU was received.

User or Operator Response: None.

System Action: The VTAM session is terminated. A failure message for the MCH or VC session can follow.

X25IPI941T   Session control exit: Unrecognized or unexpected request type

Explanation: An unexpected VTAM Session Control RU was received.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the source of VTAM session control request. Submit the ABEND dump to the IBM Support Center.

System Action: X25IPI abends with an ABEND X'941' message.

X25IPI942I   Session control exit: UNBIND notification posted

Explanation: A VTAM Session Control RU of type UNBIND was received.

User or Operator Response: None.

System Action: The VTAM session is terminated. A failure message for the MCH or VC session can follow.

X25IPI981E   VTAM terminating, reason unknown

Explanation: A VTAM Shutdown notification was received. The cause is unknown. This rules out a standard shutdown, HALT QUICK, INACT, or HALT CANCEL reason codes.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the source of the Shutdown notification.

System Action: X25IPI terminates.

X25IPI982I   VTAM HALT issued, drain flag set

Explanation: A VTAM HALT request was issued.

User or Operator Response: Restart X25IPI, if appropriate, after VTAM resumes.

System Action: X25IPI terminates after current connections are closed; new connections are refused.

X25IPI988I   VTAM HALT QUICK or VARY INACT, *application* **issued**

Explanation: A VTAM HALT QUICK or VARY INACT request was issued.

User or Operator Response: Restart X25IPI, if appropriate, after VTAM resumes.

System Action: X25IPI terminates.

X25IPI989I   VTAM HALT CANCEL issued

Explanation: A VTAM HALT CANCEL request was issued.

User or Operator Response: Restart X25IPI, if appropriate, after VTAM resumes.

System Action: X25IPI terminates.

X25IPI002E   Unrecognized command: *command*

Explanation: X25IPI encountered an unrecognized command in the console input.

User or Operator Response: Enter the desired command correctly. See the *TCP/IP Planning and Customization* for the X25IPI command syntax.

System Action: The command is ignored.

X25IPI003R   *program name* {VM} update level *level*

Explanation: The version of X25IPI currently running has the indicated program name (usually X25IPI) and the indicated update level.

User or Operator Response: None.

System Programmer Response: Use the update level when reporting problems.

System Action: Execution continues.

X25IPI011R   IP VM *userid* **state** *state*

Explanation: The IUCV connection between the X25IPI and the TCPIP virtual machines has the indicated status. In status fields, bit 1 indicates an IUCV connection pending and bit 0 indicates an IUCV connection complete.

User or Operator Response: None.

System Programmer Response: Use the status in problem determination.

System Action: Execution continues.

X25IPI011R   MCH *lu* **state** *link_state session_state*

Explanation: X25IPI status for the indicated MCH is displayed. *Link_state* fields are:

Field	Description
X'00'	Restart needed
X'10'	Ready
X'20'	Restart request sent
X'30'	Restart indication received

VTAM *session_state* fields are:

Field	Description
X'20'	Enabled for LOGAPPL logon
X'30'	logon pending
X'40'	Opening
X'50'	Open (ready)
X'60'	Closing
X'70'	Failed

User or Operator Response: None.

System Programmer Response: Use the status in problem determination.

System Action: Execution continues.

X25IPI011R   VC *vc* **LU** *lu* **DTE** *address* **state** *call_state session_state*

Explanation: X25IPI status for the indicated virtual circuit is displayed. The *call_state* fields are:

Field	Description
X'00'	Waiting for restart on MCH
X'10'	Available for connections
X'20'	Call request sent
X'30'	Call request received
X'40'	Ready for data transfer
X'41'	Reset request sent
X'42'	Reset request received
X'43'	Interrupt request sent
X'44'	Interrupt request received
X'50'	Call collision
X'60'	Clear request sent
X'70'	Clear request received

The VTAM *session_state* fields are:

Field	Description
X'00'	Disabled until restart on MCH
X'10'	Available for connections
X'20'	Enabled for NPSI LU logon
X'30'	Logon pending
X'40'	Opening
X'50'	Open (ready)
X'60'	Closing
X'70'	Failed

User or Operator Response: None.

System Programmer Response: Use the status in problem determination.

System Action: Execution continues.

X25IPI012R   MCH *lu* **SDA at** *address*

Explanation: The contents of the session data area (SDA) for this MCH are dumped.

User or Operator Response: None.

System Programmer Response: Use the data for problem determination.

System Action: Execution continues.

X25IPI012R   VC *vc* **SDA at** *address*

Explanation: The contents of the session data area (SDA) for this VC are dumped.

User or Operator Response: None.

System Programmer Response: Use the data for problem determination.

System Action: Execution continues.

X25IPI013R   MCH *lu* **RC:** *name* **IP:** *name* **SN:** *name* **TX:** *name*

Explanation: In response to an EVENTS command, the internal subroutine names handling events associated with this MCH are displayed.

Subroutine	Description
RC	VTAM request complete
IP	VTAM input pending
SN	VTAM session notification
TX	Timer expiry

User or Operator Response: None.

System Programmer Response: Use the data for problem determination.

System Action: Execution continues.

X25IPI013R   VC *vc* **RC:** *name* **IP:** *name* **SN:** *name* **TX:** *name*

Explanation: In response to an EVENTS command, the internal subroutine names handling events associated with this virtual circuit is displayed.

Subroutine	Description
RC	VTAM request complete
IP	VTAM input pending
SN	VTAM session notification
TX	Timer expiry

User or Operator Response: None.

System Programmer Response: Use the data for problem determination.

System Action: Execution continues.

X25IPI014R   MCH *lu*

Explanation: The following X25IPI014R VC messages apply to virtual circuits on this MCH.

User or Operator Response: None.

System Action: Execution continues.

X25IPI014R   VC *vc DTE_address* **S** *send_count* **R** *receive_count* **D** *drop_count* **Q** *queue_size*

Explanation: The traffic counts for this virtual circuit are displayed.

User or Operator Response: None.

System Action: Execution continues.

X25IPI014R   IP VM *user_id*   **S** *send_count* **R** *receive_count* **D** *drop_count* **Q** *queue_size*

Explanation: The traffic counts on the IUCV connection to the TCPIP virtual machine are displayed.

User or Operator Response: None.

System Action: Execution continues.

X.25 Messages

X25IPI021R   MCH *lu* **restarting**

Explanation: X25IPI is restarting this MCH, in response to a RESTART command.

User or Operator Response: None.

System Action: A VTAM session is initiated for the NPSI MCH LU.

X25IPI022E   MCH *lu* **unavailable**

Explanation: X25IPI could not restart this MCH, because it is unavailable for logon.

User or Operator Response: Activate the MCH LU through VTAM.

System Programmer Response: Determine the reason why VTAM refused session initiation.

System Action: The MCH session is left available for initiation by LOGAPPL.

X25IPI023E   MCH *lu* **already started**

Explanation: X25IPI could not restart this MCH, because it is already active.

User or Operator Response: None.

System Action: Execution continues.

X25IPI031E   MCH *mch* **unknown**

Explanation: An attempt was made to send a call request for an unknown MCH.

User or Operator Response: Determine the correct MCH name and reissue the CERTCALL command.

System Action: The request is ignored. The CERTCALL command is refused.

X25IPI077E   Posted ECB at *address* **had no handler**

Explanation: The X25IPI event control block at this address did not specify an event handler routine.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: If the error recurs, obtain a dump of the X25IPI virtual machine.

System Action: Execution continues.

X25IPI085I   HALT notice accepted type *type*

Explanation: X25IPI received a VTAM HALT notification or a HALT console command and is shutting down execution.

User or Operator Response: None.

System Action: VTAM LU sessions are closed, and the IUCV connection to the TCPIP virtual machine is severed.

X25IPI088I   Terminating

Explanation: X25IPI is terminating its execution and shutting down.

User or Operator Response: None.

System Action: The VTAM ACB is closed.

X25IPI090I   Ended

Explanation: X25IPI has finished execution.

User or Operator Response: None.

System Action: The X25IPI program exits.

X25IPI091T   Stack overflow at *frame address*

Explanation: X25IPI encountered a stack overflow at the indicated address.

User or Operator Response: Notify the system programmer.

System Programmer Response: Determine the cause of overflow and submit the ABEND dump to the IBM Support Center.

System Action: X25IPI abends with an ABEND X'091' message.

X25IPI092T   Buffer released twice at *address* **in** *routine* **(***address***)**

Explanation: X25IPI encountered a consistency error in its buffer allocation pool. A buffer was released twice. This indicates a programming error.

User or Operator Response: Notify the system programmer.

System Programmer Response: Determine the cause of the consistency failure and submit the ABEND dump to the IBM Support Center.

System Action: X25IPI abends with return code X'92'.

X25IPI093S   NPSI SEND completion, pending packet = *packet number*

Explanation: A program flag indicating a deferred control packet to be sent has an unacceptable value.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Report the problem to the IBM Support Center.

System Action: The pending condition is reset.

X25IPI101E   Unable to open configuration file, DDNAME=X25IPI

Explanation: X25IPI encountered an error opening its configuration file.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the FILEDEF or DD for the X25IPI configuration file.

System Action: X25IPI does not start.

X25IPI102E   Unrecognized configuration entry: *keyword*

Explanation: X25IPI encountered an unrecognized entry in its configuration file. This configuration record is skipped and X25IPI continues with the next entry.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the entry in the X25IPI CONFIG file.

System Action: The configuration record is skipped; further configuration errors can result.

X25IPI103E   Missing configuration entry: LINK

Explanation: X25IPI could not find a Link entry in its configuration file. You must have at least one Link entry defining a NPSI MCH in the file.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Add a Link definition to the configuration file for each NPSI MCH to be used for TCP/IP traffic.

System Action: X25IPI does not start.

X25IPI103E   Missing configuration entry: VTAM

Explanation: X25IPI could not find a VTAM entry in its configuration file. You must have one VTAM entry to specify the VTAM application ID and password.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Add a Link definition to the configuration file for each NPSI MCH to be used for TCP/IP traffic.

System Action: X25IPI does not start.

X25IPI104E   Buffer storage not available (_count_ **bytes required)**

Explanation: X25IPI could not allocate sufficient storage during initialization.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Increase the X25IPI region or virtual machine memory size by _cnt_ bytes.

System Action: X25IPI does not start.

X25IPI106I   Unable to open TCPIP DATA file, DDNAME=X25IPITD; default TCPIP userid used

Explanation: X25IPI encountered an error opening the TCPIP DATA file; X25IPI uses the default TCPIP user ID.

User or Operator Response: If TCP connections cannot be made, notify the system programmer.

System Programmer Response: If the user ID of the TCPIP virtual machine is not TCPIP, define a FILEDEF or DD for X25IPITD referencing the TCPIP DATA file.

System Action: The user ID of the TCPIP virtual machine defaults to TCPIP.

X25IPI108E   IUCV Declare program X25IPI failed R15=_value_

Explanation: X25IPI encountered an error issuing a GCS IUCVINI SET macro.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check the VM user directory entry for the X25IPI virtual machine.

System Action: X25IPI does not start.

X25IPI109T   Programming error: not enough buffers allocated

Explanation: The calculation of the number of buffers to allocate was incorrect.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Notify the IBM Support Center.

System Action: X25IPI does not start.

X25IPI111E   Unrecognized trace level: _level_

Explanation: The trace level specified in the X25IPI CONFIG file, or on the TRACE command is not correct.

User or Operator Response: Reissue the TRACE command with valid trace level.

System Programmer Response: Correct the Trace entry in the configuration file.

System Action: The trace level is set to off.

X25IPI201I   VTAM ACB _application_ **opened successfully**

Explanation: X25IPI successfully opened the VTAM ACB.

User or Operator Response: None.

System Action: Execution continues.

X25IPI121E   Repeated VTAM record ignored: _record_

Explanation: X25IPI encountered more than one VTAM entry in the configuration file.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Remove the repeat VTAM record.

System Action: The repeat VTAM record is skipped; initialization continues.

X25IPI122E   VTAM application name missing

Explanation: The VTAM application ID is missing on the VTAM entry in the configuration file.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Specify the VTAM application ID and password on the VTAM entry.

System Action: X25IPI does not start.

X25IPI123E   VTAM application password missing

Explanation: The VTAM application password is missing on the VTAM entry in the configuration file.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Specify the VTAM application password on the VTAM entry.

System Action: X25IPI does not start.

X.25 Messages

X25IPI129E   VTAM ACB *application* **open failed**

Explanation: X25IPI encountered an error opening the VTAM ACB. This message is preceded by a X25IPI201E or X25IPI202E message reporting the VTAM error code.

User or Operator Response: Activate the X25IPI application in VTAM.

System Programmer Response: Use the VTAM error code from the X25IPI201E or X25IPI202E message to determine the reason for the failure of the VTAM ACB OPEN macro.

System Action: X25IPI does not start.

X25IPI131E   DDN and non-DDN links cannot be mixed

Explanation: X25IPI encountered Link statements in its configuration file specifying both DDN and non-DDN links.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: DDN and non-DDN links must be segregated into two X25IPI virtual machines.

System Action: The Link entry is discarded; further errors can result.

X25IPI132E   Link LU name missing

Explanation: The NPSI MCH LU name is missing on the Link entry in the configuration file.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Complete the Link entry. See *TCP/IP Planning and Customization* for the format of the Link definition.

System Action: The Link entry is discarded; further errors can result.

X25IPI133E   Link DTE address missing

Explanation: X25IPI encountered a Link statement without a DTE address specified. This field is required for all non-DDN links.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Complete the Link entry. See *TCP/IP Planning and Customization* for the format of the Link definition.

System Action: The Link entry is discarded; further errors can result.

X25IPI134E   Link window size missing or not numeric

Explanation: X25IPI encountered a Link statement in its configuration file that had a missing or nonnumeric default window size specification.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the window size. See *TCP/IP Planning and Customization* for the format of the Link definition.

System Action: The Link entry is discarded; further errors can result.

X25IPI135E   Link window size not in range 1..7 or 1..127

Explanation: X25IPI encountered a Link statement in its configuration file with an invalid default window size specification. The window size must be in the range 1—7 or 1—127.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the window size.

System Action: The Link entry is discarded; further errors can result.

X25IPI136E   Link packet size missing or not numeric

Explanation: X25IPI encountered a Link statement in its configuration file that had a missing or nonnumeric default packet size.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the packet size. See *TCP/IP Planning and Customization* for the format of the Link definition.

System Action: The Link entry is discarded; further errors can result.

X25IPI137E   Link packet size unacceptable

Explanation: X25IPI encountered a Link statement in its configuration file with an invalid default packet size specification. The size must be 32, 64, 128, 256, 512, 1024, 2048, or 4096.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the packet size.

System Action: The Link entry is discarded; further errors can result.

X25IPI138E   Link logical channel count missing or not numeric

Explanation: X25IPI encountered a Link statement in its configuration file that had a missing or nonnumeric logical channel count field.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the channel count. See *TCP/IP Planning and Customization* for the format of the Link definition.

System Action: The Link entry is discarded; further errors can result.

X25IPI139E   Link logical channel count not in range 1..1023

Explanation: X25IPI encountered a Link statement in its configuration file with an invalid logical channel count field. The count must be in the range 1—1023.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the channel count.

System Action: The Link entry is discarded; further errors can result.

X25IPI140E   Link reserved channel count missing or not numeric

Explanation: X25IPI encountered a Link statement in its configuration file that had a missing or nonnumeric reserved channel count.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the reserved channel count. See *TCP/IP Planning and Customization* for the format of the Link definition.

System Action: The Link entry is discarded; further errors can result.

X25IPI141E   Link reserved channel count not in range 1..*LCC*

Explanation: X25IPI encountered a Link statement in its configuration file with an invalid reserved channel count. The count must be in the range 1—number of logical channels that have been defined.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the reserved channel count. See *TCP/IP Planning and Customization* for the format of the Link definition.

System Action: The Link entry is discarded; further errors can result.

X25IPI142E   Link data network code missing

Explanation: X25IPI encountered a Link statement in its configuration file that omitted a data network identifier code (DNIC). DNICs must be specified for all networks (use DDN for DDN nets).

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Complete the Link entry. See *TCP/IP Planning and Customization* for the format of the Link definition.

System Action: The Link entry is discarded; further errors can result.

X25IPI143E   Data network identifier code not decimal

Explanation: X25IPI encountered a Link statement in its configuration file that specified a nondecimal data network identifier code (DNIC). The DNIC must be decimal.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the DNIC number. See *TCP/IP Planning and Customization* for the format of the Link definition.

System Action: The Link entry is discarded; further errors can result.

X25IPI144E   Link DTE address not decimal

Explanation: X25IPI encountered a Link statement in its configuration file that contained a nondecimal DTE address.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the DTE address.

System Action: The Link entry is discarded; further errors can result.

X25IPI151E   Dest record not preceded by Link record

Explanation: X25IPI encountered a Dest record in its configuration file before any Link record. The Dest record must follow the corresponding Link record in the configuration file.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Move the Dest record after the corresponding Link record.

System Action: The Dest entry is skipped.

X25IPI152E   Dest IP address missing

Explanation: X25IPI encountered a Dest record in its configuration file that did not specify an IP address.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Complete the Dest entry. See *TCP/IP Planning and Customization* for the format of the Dest record.

System Action: The Dest entry is discarded.

X25IPI153E   Dest IP address must be decimal

Explanation: X25IPI encountered a Dest record in its configuration file specifying a nondecimal destination address. The destination address must be in dotted-decimal form.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the IP address. See *TCP/IP Planning and Customization* for the format of the Dest record.

System Action: The Dest entry is discarded.

X25IPI154E   Dest DTE address missing

Explanation: X25IPI encountered a Dest record in its configuration file, which omitted the destination X.25 DTE address specification. The destination X.25 DTE address specification is required on non-DDN networks.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Complete the Dest record with the X.25 DTE address. See *TCP/IP Planning and Customization* for the format of the Dest record.

System Action: The Dest entry is discarded.

X25IPI155E   Dest DTE address must be decimal

Explanation: X25IPI encountered a Dest record in its configuration file that had a nondecimal destination X.25 DTE address specified. The destination X.25 DTE address must be decimal.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the DTE address.

System Action: The Dest entry is discarded.

X.25 Messages

X25IPI156E   Dest call user data must be hexadecimal

Explanation: X25IPI encountered a Dest record in its configuration file specifying nonhexadecimal call user data (CUD) protocol ID. The CUD must be hexadecimal.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the call user data.

System Action: The Dest entry is discarded.

X25IPI161E   Datagram size limit missing or not numeric

Explanation: X25IPI encountered a Buffers record in its configuration file that had a missing or nonnumeric buffer size specification.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Complete the Buffers record with the datagram size limit. See *TCP/IP Planning and Customization* for the format of the Dest record.

System Action: The Buffers record is ignored; the default values are applied.

X25IPI162E   Datagram size limit not in range 576...2048

Explanation: X25IPI encountered a Buffers record in its configuration file with an invalid buffer size specification. The buffer size must be in the range 576 — 2048.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the datagram size limit.

System Action: The Buffers record is ignored; the default values are applied.

X25IPI163E   Extra buffer count missing or not numeric

Explanation: X25IPI encountered a Buffers record in its configuration file that had a missing or nonnumeric buffer count field.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the buffer count.

System Action: The extra buffer count is ignored.

X25IPI164E   VC send queue limit missing or not numeric

Explanation: X25IPI encountered a Buffers record in its configuration file that had a missing or nonnumeric send queue limit.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the queue limit.

System Action: The send queue limit defaults to 8.

X25IPI171E   Inactivity timeout missing or not numeric

Explanation: X25IPI encountered a Timers record in its configuration file that had a missing or nonnumeric inactivity time-out value.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Complete the Timers record with the inactivity time-out. See *TCP/IP Planning and Customization* for the format of the Dest record.

System Action: The Timers record is ignored; the default values are applied.

X25IPI172E   Minimum call timer missing or not numeric

Explanation: X25IPI encountered a Timer record in its configuration file that had a missing or nonnumeric minimum time field. This Timer record is ignored.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the minimum call time.

System Action: The minimum call time defaults to 60 seconds.

X25IPI181E   Options record not preceded by Link record

Explanation: X25IPI encountered an Options record in its configuration file before any Link record. The Options record must follow the associated Link record.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Move the Options record after the corresponding Link record.

System Action: The Options record is ignored.

X25IPI182E   Option name not recognized *name*

Explanation: X25IPI encountered an Options record in its configuration file with an unrecognized option name.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the option name. See *TCP/IP Planning and Customization* for the format of the Options record.

System Action: The remainder of the Options record is skipped.

X25IPI183E   Option packet size missing or not numeric

Explanation: X25IPI has encountered an Options statement in its configuration file that has a missing or nonnumeric packet size specification.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the packet size.

System Action: The remainder of the Options record is skipped.

X25IPI184E   Option packet size unacceptable

Explanation: X25IPI encountered an Options record in its configuration file that specified an unacceptable packet size. The size must be 32, 64, 128, 256, 512, 1024, 2048, or 4096.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the packet size.

System Action: The remainder of the Options record is skipped.

X25IPI185E   Option window size missing or not numeric

Explanation: XNX25IPI encountered an Options statement in its configuration file that had a missing or nonnumeric window size.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the window size.

System Action: The remainder of the Options record is skipped.

X25IPI186E   Option window size not in range 1..7 or 1..127

Explanation: XNX25IPI encountered an Options statement in its configuration file that specified an invalid window size. The window size must be in the range 1—7 or 1—127.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the window size.

System Action: The remainder of the Options record is skipped.

X25IPI201E   VTAM GENCB failed, R15=_value_ **R0=**_value_

Explanation: A VTAM GENCB call failed, with the indicated R15 and R0 values.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Reassemble X25IPI with the most recent VTAM macro library.

System Action: X25IPI does not start.

X25IPI202E   VTAM ACB OPEN failed, R15=_value_
              ACBERFLG=_value_

Explanation: A VTAM OPEN request failed, with the indicated R15 and ACBERFLG values.

User or Operator Response: Activate the X25IPI application in VTAM.

System Programmer Response: Use the VTAM error code to determine the reason for the failure of the VTAM ACB OPEN macro.

System Action: X25IPI does not start.

X25IPI215E   VTAM SETLOGON QUIESCE failed, RTNCD=_value_
              FDB2=_value_

Explanation: A VTAM SETLOGON QUIESCE request failed with the indicated return code and FDB2 values.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Use the VTAM error code to determine the reason for the failure of the VTAM SETLOGON macro.

System Action: X25IPI termination continues.

X25IPI221E   VTAM ACB CLOSE failed, R15=_value_
              ACBERFLG=_value_

Explanation: A VTAM CLOSE request failed with the indicated return values.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Use the VTAM error code to determine the reason for the failure of the VTAM CLOSE macro.

System Action: X25IPI termination continues.

X25IPI241E   VTAM CLSDST RELEASE _lu_ **failed, RTNCD=**_value_
              FDB2=_value_

Explanation: A VTAM CLSDST RELEASE failed with the indicated return code and FDB2 values.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Use the VTAM error code to determine the reason for the failure of the VTAM CLSDST macro. Determine the state of the NPSI LU using the VTAM DISPLAY command. HALT and restart the X25IPI application, if all virtual circuits become unusable.

System Action: Execution continues. The virtual circuit can become unusable.

X25IPI241E   VTAM OPNDST ACCEPT _lu_ **failed, RTNCD=**_value_
              FDB2=_value_

Explanation: A VTAM OPNDST ACCEPT failed with the indicated return code and FDB2 values.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Use the VTAM error code to determine the reason for the failure of the VTAM OPNDST macro. Determine the state of the NPSI LU using the VTAM DISPLAY command. HALT and restart the X25IPI application, if all virtual circuits become unusable.

System Action: Execution continues. The virtual circuit can become unusable.

X25IPI241E   VTAM OPNDST ACQUIRE _lu_ **failed, RTNCD=**_value_
              FDB2=_value_

Explanation: A VTAM OPNDST ACQUIRE failed for a NPSI MCH LU, with the indicated return code and FDB2 values.

User or Operator Response: Activate the NPSI MCH in VTAM. Use the X25IPI RESTART command to reacquire the MCH LU.

System Programmer Response: Use the VTAM error code to determine the reason for the failure of the VTAM ACB OPNDST macro.

System Action: The MCH LU is enabled for automatic recovery by LOGAPPL, or for manual restart.

X25IPI241E   VTAM RECEIVE _lu_ **failed, RTNCD=**_value_ **FDB2=**_value_

Explanation: A VTAM RECEIVE failed with the indicated return code and FDB2 values.

User or Operator Response: If the error occurred on a NPSI MCH session, activate the NPSI MCH in VTAM and use the X25IPI RESTART command to reacquire the MCH.

System Programmer Response: Use the VTAM error code to determine the reason for the failure of the VTAM ACB RECEIVE macro.

System Action: If the error occurred on a NPSI MCH session, the MCH is shut down. If the error occurred on a VC session, the connection is closed.

X.25 Messages

X25IPI241E   VTAM SEND *lu* **failed, FDB2=**value

Explanation: A VTAM SEND REQ failed with the indicated FDB2 value.

User or Operator Response: If the error occurred on a NPSI MCH session, activate the NPSI MCH in VTAM and use the X25IPI RESTART command to reacquire the MCH.

System Programmer Response: Use the VTAM error code to determine the reason for the failure of the VTAM ACB SEND macro.

System Action: If the error occurred on a NPSI MCH session, the MCH is shut down. If the error occurred on a VC session, the connection is closed.

X25IPI241E   VTAM SEND RESP EX *lu* **failed, RNTCD=**value
 FDB2=value

Explanation: A VTAM SEND RESP EX failed with the indicated return code and FDB2 values.

User or Operator Response: If the error occurred on a NPSI MCH session, activate the NPSI MCH in VTAM and use the X25IPI RESTART command to reacquire the MCH.

System Programmer Response: Use the VTAM error code to determine the reason for the failure of the VTAM ACB SEND macro.

System Action: If the error occurred on a NPSI MCH session, the MCH is shut down. If the error occurred on a VC session, the connection is closed.

X25IPI241E   VTAM SEND RESP NEX *lu* **failed, RTNCD=**value
 FDB2=value

Explanation: A VTAM SEND RESP NEX failed with the indicated return code and FDB2 values.

User or Operator Response: If the error occurred on a NPSI MCH session, activate the NPSI MCH in VTAM and use the X25IPI RESTART command to reacquire the MCH.

System Programmer Response: Use the VTAM error code to determine the reason for the failure of the VTAM ACB SEND macro.

System Action: If the error occurred on a NPSI MCH session, the MCH is shut down. If the error occurred on a VC session, the connection is closed.

X25IPI255E   VTAM request failed for *lu* **REQ=**request
 RNTCD=value **FDB2=**value **sense=**value **(**caller**)**

Explanation: The indicated VTAM request failed, with the indicated return code, FDB2, and sense values. The caller field specifies the routine that issued the request. The request codes are:

Request Code	Description
X'17'	OPNDST
X'1F'	CLSDST
X'22'	SEND
X'23'	RECEIVE

User or Operator Response: If the error occurred on a NPSI MCH session, activate the NPSI MCH in VTAM and use the X25IPI RESTART command to reacquire the MCH.

System Programmer Response: Use the VTAM error code to determine the reason for the failure of the VTAM ACB OPEN macro.

System Action: If the error occurred on a NPSI MCH session, the MCH is shut down. If the error occurred on a VC session, the connection is closed.

X25IPI313I   MCH *lu* **restarting**

Explanation: An X.25 restart exchange has been started on the NPSI MCH.

User or Operator Response: None.

System Action: Execution continues.

X25IPI315E   MCH *lu* **open failed**

Explanation: X25IPI encountered an error opening the indicated NPSI MCH. This message is preceded by a X25IPI241E or X25IPI255E message reporting a VTAM error code.

User or Operator Response: Activate the NPSI MCH in VTAM and use the X25IPI RESTART command to reacquire the MCH.

System Programmer Response: Use the VTAM error code from the X25IPI241E or X25IPI255E message to determine the reason for the failure of the MCH OPNDST.

System Action: The MCH LU is enabled for automatic recovery by LOGAPPL, or for manual restart.

X25IPI316E   MCH *lu* **OPNDST did not complete**

Explanation: An VTAM OPNDST request on a NPSI MCH LU was posted complete, but the NIB is not marked open. The contents of the session data area (SDA) for this MCH are dumped.

User or Operator Response: Activate the NPSI MCH in VTAM and use the X25IPI RESTART command to reacquire the MCH.

System Programmer Response: Determine the state of the NPSI MCH LU using the VTAM DISPLAY command.

System Action: The MCH LU is enabled for automatic recovery by LOGAPPL, or for manual restart.

X25IPI320I   MCH *lu* **packet level ready**

Explanation: X25IPI has initialized this MCH for connections.

User or Operator Response: None.

System Action: Execution continues.

X25IPI322I   MCH *lu* **discarded packet during restart**

Explanation: X25IPI received an invalid packet while restarting this MCH.

User or Operator Response: None.

System Action: The invalid packet is dumped and discarded.

X25IPI323I   MCH *lu* **restart indication, cause=**value
 diagnostic=value

Explanation: X25IPI received an X.25 restart indication for this MCH during the restart procedure, with the indicated cause and diagnostic bytes. The X.25 network interface has been reinitialized. See *X.25 Network Control Progam Packet Switching Interface Diagnosis, Customization, and Tuning Version 3* for a list of X.25 cause and diagnostic codes. See the provider of the X.25 network service for documentation that lists additional diagnostic codes.

User or Operator Response: None.

System Action: Virtual circuit connections on the MCH are closed, and the X.25 restart procedure is used to place the MCH back in operation.

X25IPI324I   MCH *lu* **restart confirmation**

Explanation: X25IPI received a restart confirmation for this MCH.

User or Operator Response: None.

System Action: The MCH is marked ready for new connections.

X25IPI330I   MCH *lu* **restart complete**

Explanation: X25IPI has completed terminating virtual circuits on an MCH undergoing restart.

User or Operator Response: None.

System Action: An X.25 restart confirmation is sent to complete the restart procedure.

X25IPI331I   MCH *lu* **restart indication, cause=**_cause_**,
                diagnostic=**_diagnostic_

Explanation: X25IPI received a restart indication on this MCH, with the indicated cause and diagnostic bytes. The X.25 network interface has been reinitialized. See *X.25 Network Control Progam Packet Switching Interface Diagnosis, Customization, and Tuning Version 3* for a list of X.25 cause and diagnostic codes. See the provider of the X.25 network service for documentation that lists additional diagnostic codes.

User or Operator Response: None.

System Action: Virtual circuit connections on the MCH are closed, and the X.25 restart procedure is used to place the MCH back in operation.

X25IPI332I   MCH *lu* **restart confirm packet sent**

Explanation: X25IPI transmitted a restart confirmation packet for this MCH.

User or Operator Response: None.

System Action: The restart confirmation packet is dumped.

X25IPI334I   MCH *lu* **restarting**

Explanation: X25IPI is restarting the indicated MCH.

User or Operator Response: None.

System Action: X25IPI waits to receive a restart confirmation on the MCH.

X25IPI342I   MCH *lu* **diagnostic packet**

Explanation: X25IPI received an X.25 diagnostic packet on this MCH.

User or Operator Response: None.

System Programmer Response: Use the diagnostic packet to obtain additional information about X.25 network problems.

System Action: The diagnostic packet is dumped and discarded.

X25IPI342I   MCH *lu* **orphan packet received**

Explanation: X25IPI received a packet for which it could find no associated connection.

User or Operator Response: None.

System Action: An X.25 clear request is sent on the virtual circuit.

X25IPI343I   MCH *lu* **clear request sent**

Explanation: X25IPI sent a clear request on the indicated MCH, to recover from an error situation.

User or Operator Response: None.

System Action: Execution continues.

X25IPI345E   MCH *lu* **no free path available for incoming call
               345I MCH** *lu* **check number of logical channels on
               Link record**

Explanation: X25IPI received an incoming call, but has no session areas available to handle it. This indicates that there are more virtual circuits subscribed than were specified on the LINK record in the configuration file.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Increase the virtual circuit count on the Link record to match the number of virtual circuits defined in the NPSI configuration.

System Action: The incoming call is cleared.

X25IPI347W   MCH *lu* **orphan packet discarded**

Explanation: X25IPI received a packet that it could not associate with any connection.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the type of X.25 packet from the dump. A clear confirmation (X'17') can be discarded harmlessly.

System Action: The packet is dump and discarded.

X25IPI349E   MCH *lu* **unrecognized packet received**

Explanation: X25IPI did not recognize the type code in a packet received from NPSI.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the packet type from the dump; notify the IBM Support Center.

System Action: The unrecognized packet is dumped and discarded.

X25IPI350I   MCH *lu* **terminating**

Explanation: X25IPI is terminating this MCH session, in response to an error condition or a HALT command.

User or Operator Response: None.

System Action: Connections on virtual circuits associated with the MCH are terminated, and the MCH session is closed.

X25IPI355I   MCH *lu* **closed**

Explanation: X25IPI received a CLSDST completion indication for this MCH, indicating that this MCH has closed.

User or Operator Response: None.

System Action: The MCH LU is enabled for automatic recovery by LOGAPPL, or for manual restart.

X25IPI365E   MCH *lu* **session loss code** *code*

Explanation: X25IPI received the indicated MCH status change code while the MCH was not operational. See message X25IPI391E for the loss codes.

User or Operator Response: None.

System Action: The MCH LU is enabled for automatic recovery by LOGAPPL, or for manual restart.

X25IPI367I   VC *vc* **packet discarded on failed session**

Explanation: X25IPI discarded a packet received after a session was closed.

User or Operator Response: None.

System Action: The packet is dumped and discarded.

X25IPI371E   MCH *lu* **unexpected request completion**

Explanation: X25IPI received a VTAM request completion notification for this MCH. This indicates a program error, because MCH sends are done synchronously.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Notify the IBM Support Center.

System Action: The notification is ignored.

X25IPI381I   MCH *lu* **DATE error report command=***command*
error=*error*

Explanation: X25IPI received a NPSI Dedicated Access to X.25 Transport Extension (DATE) error report, for the indicated command and error. See *X.25 Network Control Progam Packet Switching Interface Host Programming* for the error codes.

User or Operator Response: None.

System Action: X25IPI attempts to recover from the error.

X25IPI389E   MCH *lu* **DATE error report command=***command*
error=*error*

Explanation: X25IPI encountered a DATE error because of an incorrect logical channel number. See *NPSI Host Programming* for the error codes.

User or Operator Response: None.

System Action: X25IPI discards the error indication.

X25IPI391E   MCH *lu* **session loss code** *code*

Explanation: X25IPI received a session status notification, with the indicated session loss code, for this MCH.

Code   Description

Less than 50
          VTAM LOSTERM exit codes

50   VTAM SCIP exit UNBIND

64000   VTAM NS exit CLEANUP

64001   VTAM NS exit session initiation failure

64002   VTAM NS exit session initiation negative response.

User or Operator Response: Reactivate the NPSI MCH in VTAM. Use the X25IPI RESTART command to reacquire the MCH LU.

System Programmer Response: Use the VTAM error code to determine the reason for the session failure.

System Action: The MCH LU is enabled for automatic recovery by LOGAPPL, or for manual restart.

X25IPI460I   VC *vc* **call to** *address* **refused, cause=***cause*
diagnostic=*diagnostic*

Explanation: An outgoing call on this virtual circuit to the indicated address was refused by the X.25 network, with the indicated cause and diagnostic bytes. See *X.25 Network Control Progam Packet Switching Interface Diagnosis, Customization, and Tuning Version 3* for a list of X.25 cause and diagnostic codes. See the provider of the X.25 network service for documentation that lists additional diagnostic codes.

User or Operator Response: Check that the remote system and the X.25 network is operational.

System Action: Datagrams queued for the remote system are discarded. A new call is attempted when the TCP acknowledgement timer expires, or when a new connection is requested to the destination. TCP connections to the destinations handled by the remote system fail, if calls are not accepted within the initial connection time-out.

X25IPI411I   VC *ID* **incoming call from** *address* **user data** *value*

Explanation: X25IPI has received an incoming call on this virtual circuit from the indicated address, with the indicated user data (protocol ID).

User or Operator Response: None.

System Programmer Response: Use the address to determine the source of the connection.

System Action: The call is accepted or refused.

X25IPI414I   VC *vc* **call collision**

Explanation: X25IPI detected a call collision on this virtual circuit.

User or Operator Response: None.

System Action: The X.25 call collision procedure is initiated.

X25IPI415W   VC *vc* **incoming call cleared: caller not known**

Explanation: X25IPI received a call on this virtual circuit from an address not present in the Dest entries for the associated MCH.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the identity of the remote system initiating the call request, and add the address to the Dest list if the connection is authorized. The X.25 address of the calling system was noted in the preceding X25IPI411I message for the VC ID.

System Action: The incoming call is cleared.

X25IPI416W   VC *vc* **incoming call cleared: draining**

Explanation: X25IPI cleared an incoming call because a VTAM HALT request has been issued to terminate communication.

User or Operator Response: Shutdown and restart X25IPI when VTAM is restarted.

System Action: Incoming calls are refused once the VTAM HALT command is issued.

X25IPI417E   VC *vc* **incoming call cleared:** *reason*

Explanation: X25IPI cleared an incoming call on this virtual circuit because of an error in the format of the X.25 call request packet:

* Called address is not decimal
* Calling address is not decimal
* CUD field is too long
* CUD field not acceptable
* Duplicate address
* The address duplicated that of another connection
* Facilities not acceptable
* Reverse charging refused
* Reverse charging was specified in the call
* Reverse charging has not been enabled on the associated Link

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the remote system that is generating the invalid calls. The X.25 address of the calling system was noted in the preceding X25IPI411I message for the VC ID.

System Action: The incoming call is cleared.

X25IPI431I   VC *vc* **outgoing call to** *address*

Explanation: X25IPI is placing an outgoing call to this indicated address on this virtual circuit.

User or Operator Response: None.

System Programmer Response: Use the address to determine the destination of the connection.

System Action: Queued datagrams are sent on the connection after the call is accepted by the remote system.

X25IPI445W   VC *vc* **call timer expired**

Explanation: The remote system has not responded to a call request within 200 seconds.

User or Operator Response: Check the status of the remote system and the X.25 network. The X.25 address of the calling system was noted in the preceding X25IPI431I message for the VC ID.

System Action: The call is terminated and queued datagrams are discarded.

X25IPI451I   VC *vc* **call accepted by** *address* **user data** *value*

Explanation: An outgoing call on this virtual circuit was accepted by the remote system at the indicated address with the indicated user data (protocol specifier).

User or Operator Response: None.

System Programmer Response: Use the address to determine the destination of the connection.

System Action: Queued datagrams are sent.

X25IPI455I   VC *vc* **retrying call with packet size** *size*

Explanation: The packet size for this virtual circuit was reduced by the network or responder. NPSI DATE cannot handle this negotiation, thus the call is cleared and placed again with the smaller packet size.

User or Operator Response: Tell the system programmer if this message recurs frequently.

System Programmer Response: Add or change an OPTIONS

PACKETSIZE entry on the associated Link specifying the smallest packet size used by other systems on the X.25 network. Consider using the NPSI GATE facility rather than DATE. GATE can handle the reduced packet size without the call to be repeated.

System Action: The call is cleared and placed again with the reduced packet size.

X25IPI456E   VC *vc* **outgoing call cleared:** *reason*

Explanation: X25IPI cleared an incoming call on this virtual circuit because of an error in one of the following formats:

* The X.25 call accept packet
* Accepting user data is too long
* Called address is not decimal
* Calling address is not decimal
* Facilities not acceptable

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the remote system that is generating the invalid calls. The X.25 address of the called system was noted in the preceding X25IPI431I message for the VC ID.

System Action: The outgoing call is cleared.

X25IPI471I   VC *vc* **NPSI logon LU** *lu*

Explanation: NPSI generated a VTAM session logon from the indicated LU for the virtual circuit.

User or Operator Response: None.

System Programmer Response: Use the LU name for NPSI problem determination.

System Action: The NPSI LU logon is accepted.

X25IPI472E   VC *vc* **session loss code** *code*

Explanation: X25IPI received a session status notification, with the indicated session loss code, for this virtual circuit while waiting for logon of the NPSI VC LU. See message X25IPI581E for the loss codes.

User or Operator Response: None.

System Action: None.

X25IPI482E   VC *vc* **OPNDST did not complete**

Explanation: A VTAM OPNDST request on a NPSI VC LU was posted complete, but the NIB is not marked open. The contents of the session data area (SDA) for this VC are dumped.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the state of the NPSI VC LU using the VTAM DISPLAY command.

System Action: The virtual circuit call is cleared.

X25IPI483I   VC *vc* **LU** *lu* **ready**

Explanation: The virtual circuit LU session is ready for data transfer.

User or Operator Response: None.

System Action: Execution continues.

X25IPI511I   VC *vc* **facilities:** *facilities*

Explanation: A list of facilities for this virtual circuit follows. Facilities codes that can be noted are:

Codes	Description
priority	Priority handling and charging is applied
revchg	Reverse charging is applied
pktpacket	The noted packet size is used
wdwwindow	The noted window size is used
standard	DDN standard service is used
precedencepreced	The noted DDN precedence is applied

User or Operator Response: None.

System Programmer Response: Use the information to determine the X.25 network facilities being used on the connection.

System Action: The noted facilities are applied to the connection.

X25IPI515E   VC *vc* **facilities field unacceptable at offset** *offset*

Explanation: X25IPI encountered an invalid X.25 call facilities field from a remote system for this virtual circuit.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the remote system that is generating the invalid facilities. The X.25 address of the remote system was noted in the preceding X25IPI411I or 431I message for the VC ID.

System Action: The X.25 call facilities field is dumped, and the call is cleared.

X25IPI521I   VC *vc* **call complete**

Explanation: The virtual circuit connection is ready for data transfer.

User or Operator Response: None.

System Action: Data transfer begins.

X25IPI548E   VC *vc* **oversize data packet received, length=***length*

Explanation: A datagram was received on this virtual circuit that had a length exceeding the buffer size specified in X25IPI CONFIG. Either the local or remote system is misconfigured.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Check the buffer size on the Buffers record in X25IPI CONFIG. The buffer size must be large enough to hold the maximum IP datagram permitted by the usage agreements of the X.25 network. The X.25 address of the remote system was noted in the preceding X25IPI411I or X25IPI431I message for the VC ID.

System Action: The packet is dumped, and the connection is cleared.

X25IPI549E   VC *vc* **unrecognized packet received**

Explanation: X25IPI did not recognize the type code in a packet received from NPSI GATE.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the packet type from the dump; notify the IBM Support Center.

System Action: The unrecognized packet is dumped and discarded.

X25IPI551I   VC *vc* **call reset, cause=***cause* **diagnostic=***diagnostic*

Explanation: A call reset was received for this virtual circuit, with the indicated cause and diagnostic bytes. See *X.25 Network Control Progam Packet Switching Interface Diagnosis, Customization, and Tuning Version 3* for a list of X.25 cause and diagnostic codes. See the provider of the X.25 network service for documentation that lists additional diagnostic codes.

User or Operator Response: None.

System Action: The reset is confirmed and data transfer continues.

X25IPI552I   VC *vc* **reset collision**

Explanation: A reset collision occurred on this virtual circuit.

User or Operator Response: None.

System Action: Data transfer resumes on the virtual circuit.

X25IPI553I   VC *vc* **reset confirmed**

Explanation: A reset on this virtual circuit was confirmed by the remote system.

User or Operator Response: None.

System Action: Data transfer resumes on the virtual circuit.

X25IPI554W   VC *vc* **qualified data packet discarded**

Explanation: A qualified data packet was received on an IP connection. Qualified data packets are not specified for use on IP connections.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the remote system that is sending qualified data packets. The X.25 address of the remote system was noted in the preceding X25IPI411I or X25IPI431I message for the VC ID.

System Action: The qualified data packet is dumped and discarded.

X25IPI555W   VC *vc* **interrupt indication received**

Explanation: An interrupt indication was received for this virtual circuit. Interrupt packets are not specified for use on IP connections.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Correct the remote system that is sending interrupt packets. The X.25 address of the remote system was noted in the preceding X25IPI411I or X25IPI431I message for the VC ID.

System Action: The interrupt packet is dumped, and an interrupt response is sent.

X25IPI556E   VC *vc* **interrupt confirmed**

Explanation: An interrupt was confirmed for this virtual circuit. Interrupt packets are not specified for use on IP connections.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Notify the IBM Support Center.

System Action: The virtual circuit is reset, and data transfer continues.

X25IPI561E   VC *vc* **DATE error report command=***command*
         error=*error*

Explanation: X25IPI received a NPSI DATE error report for the indicated command and error. See *X.25 Network Control Progam Packet Switching Interface Host Programming* for the error codes.

User or Operator Response: None.

System Action: X25IPI attempts to recover from the error.

X25IPI566E   VC *vc* **GATE error report command=***command*
         error=*error*

Explanation: X25IPI received a NPSI GATE error report for the indicated command and error. See *X.25 Network Control Progam Packet Switching Interface Host Programming* for the error codes.

User or Operator Response: None.

System Action: X25IPI attempts to recover from the error.

X25IPI571I   VC *vc* **call cleared, cause=***cause*
         diagnostic=*diagnostic*

Explanation: A call was cleared on this virtual circuit with the indicated cause and diagnostic bytes. See *X.25 Network Control Progam Packet Switching Interface Diagnosis, Customization, and Tuning Version 3* for a list of X.25 cause and diagnostic codes. See the provider of the X.25 network service for documentation that lists additional diagnostic codes.

User or Operator Response: None.

System Programmer Response: Use the cause and diagnostic codes to determine the reason the call was cleared.

System Action: A clear confirmation is sent, and the virtual circuit connection is closed.

X25IPI581E   VC *vc* **session loss code** *value* **on LU** *lu*

Explanation: A session loss status notification was received for this virtual circuit, with the indicated loss code.

Code	Description
Less than 50	VTAM LOSTERM exit codes
50	VTAM SCIP exit UNBIND
64000	VTAM NS exit CLEANUP
64001	VTAM NS exit session initiation failure
64002	VTAM NS exit session initiation negative response

User or Operator Response: None.

System Programmer Response: Use the VTAM error code to determine the reason for the session failure.

System Action: The virtual circuit connection is closed.

X25IPI591I   VC *vc* **inactivity timer expired**

Explanation: The inactivity time for this virtual circuit passed with no data transferred.

User or Operator Response: None.

System Action: The virtual circuit connection is closed.

X25IPI610I   VC *vc* **connection terminated for** *address***:**
         sent *count* **received** *count* **dropped** *count*

Explanation: The number of datagrams sent, received and dropped on the virtual circuit to the remote system with the indicated X.25 address are shown when the connection is terminated.

User or Operator Response: None.

System Action: The VC LU session is closed.

X25IPI611I   VC *vc* **closed**

Explanation: The call on the virtual circuit was completely terminated.

User or Operator Response: None.

System Action: The virtual circuit is reused for new calls.

X25IPI615I   VC *vc* **close pending**

Explanation: A close of this virtual circuit is partially completed.

User or Operator Response: None.

System Action: X25IPI waits for the remaining close events to occur.

X25IPI616W VC *vc* **unable to clear GATE call in state P2**

Explanation: X25IPI needed to clear a NPSI GATE call while the call was pending. The NPSI GATE programming interface does not allow a call to be cleared in this state.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the reason the X.25 network or remote system did not respond to the call request.

System Action: X25IPI waits for action by the X.25 network.

X25IPI618E   VC *vc* **clearing limit exceeded**

Explanation: No clear response was received from the remote system after four clear requests.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the reason the X.25 network or remote system did not respond to the clear request.

System Action: The virtual circuit is marked as cleared.

X25IPI621I   VC *vc* **clear confirmed**

Severity: Informational.

Explanation: The remote system responded to a clear request on this virtual circuit.

User or Operator Response: None.

System Action: Virtual circuit termination continues; message X25IPI611I should follow.

X.25 Messages

X25IPI631I   VC *vc* **discarded packet** *packet* **in state** *state*

Explanation: The indicated packet was discarded on this virtual circuit to accomplish error recovery. See message X25IPI011R VC for the call state codes.

User or Operator Response: None.

System Action: Virtual circuit error recovery is completed.

X25IPI632E   VC *vc* **received packet** *packet* **invalid in state** *state*

Explanation: The indicated received packet was invalid for the current virtual circuit state. See message X25IPI011R VC for the call state codes.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the reason the X.25 network or remote system sent the invalid packet.

System Action: The virtual circuit is reset or cleared.

X25IPI641W VC *vc* **clearing timer expired**

Explanation: The remote system did not respond to a clear request within 180 seconds.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the reason the remote system did not respond to the clear request.

System Action: The clear request is retried four times.

X25IPI648E   VC *vc* **clearing limit exceeded**

Explanation: No clear response was received from the remote system after four clear requests.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Determine the reason the X.25 network or remote system did not respond to the clear request.

System Action: The virtual circuit is marked as cleared.

X25IPI651I   VC *vc* **clear confirmation sent**

Explanation: A clear request from the remote system was confirmed on this virtual circuit.

User or Operator Response: None.

System Action: Virtual circuit termination continues; message X25IPI611I should follow.

X25IPI652I   VC *vc* **clear sent**

Explanation: A clear request was sent on this virtual circuit.

User or Operator Response: None.

System Action: Virtual circuit termination continues; message X25IPI611I should follow.

X25IPI680I   VC *vc* **reuse delay ended**

Explanation: The timer expired for NPSI cleanup for this virtual circuit. A new call can now be made on this virtual circuit.

User or Operator Response: None.

System Action: The virtual circuit is used for a new call.

X25IPI681I   VC *vc* **retry busy call**

Explanation: X25IPI retries a call that previously received a busy indication from NPSI.

User or Operator Response: If the error recurs, notify the system programmer.

System Programmer Response: If the error recurs, check the number of virtual circuits specified on the Link record in X25IPI CONFIG against the number defined in the NPSI configuration. Use the VTAM DISPLAY command to determine the state of the NPSI switched VC LUs.

System Action: An outgoing call request is repeated.

X25IPI682E   VC *vc* **inactive: VTAM request completion REQ=***request*

Explanation: A VTAM request has completed for this virtual circuit after the connection has been terminated.

User or Operator Response: None.

System Action: Execution continues.

X25IPI683E   VC *vc* **inactive: session loss code** *code*

Explanation: X25IPI received a session status notification, with the indicated session loss code, for this virtual circuit after the connection was terminated. See message X25IPI581E for the loss codes.

User or Operator Response: None.

System Action: The notification is ignored.

Source File: xnx25ipi assemble

VC *vc* **inactive: session cleanup**

Explanation: Session cleanup is in progress for this inactive virtual circuit.

User or Operator Response: None.

System Action: The VC LU session is closed.

X25IPI685E   VC *vc* **inactive: VTAM logon refused**

Explanation: A late logon from a NPSI VC LU was refused after a call was cleared.

User or Operator Response: None.

System Action: The logon is rejected.

X25IPI686I   VC *vc* **packet discarded on dead connection**

Explanation: A packet was received on this virtual circuit after the connection was terminated.

User or Operator Response: None.

System Action: The packet is discarded.

X25IPI700I   IP VM path accepted for userid *UserID*

Explanation: An IUCV connection from the TCPIP virtual machine was accepted.

User or Operator Response: None.

System Action: IP datagrams are transferred.

X25IPI701E   Unexpected IUCV interrupt type=_type_

Explanation: An unexpected type code was found on an IUCV interrupt before the connection to the TCPIP virtual machine was established.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Notify the IBM Support Center.

System Action: The interrupt is ignored.

X25IPI702I   IP VM _UserID_ **path refused for userid** _UserID_,
draining

Explanation: An IUCV connection from the TCPIP virtual machine was refused because a VTAM HALT command had been issued.

User or Operator Response: HALT and restart the X25IPI application when VTAM is restarted.

System Action: The IUCV connection is refused.

X25IPI711E   Unexpected IUCV interrupt type=_type_

Explanation: An unexpected type code was found on an IUCV interrupt.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Notify the IBM Support Center.

System Action: The IUCV interrupt area is dumped and the IUCV connection to the TCPIP virtual machine is severed.

X25IPI711E
X25IPI712E   Destination address _address_ **not configured**

Explanation: An IP datagram was received from TCPIP for transmission to the indicated address, which is not listed in the Dest entries in X25IPI CONFIG.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Add a Dest record to the X25IPI CONFIG file for the IP address or network. Check the GATEWAY entries in PROFILE TCPIP for a misrouted network number.

System Action: The IP datagram is discarded.

X25IPI713E   IP VM _userid_ **rejected message: parameter list data**
713E IP VM _userid_ **rejected message: two-way**

Explanation: An IUCV message was received from the TCPIP virtual machine with unexpected message option flags.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Notify the IBM Support Center.

System Action: The message is rejected.

X25IPI714E   IP VM _UserID_ **rejected message: too long**
714E IP VM _UserID_ **rejected message: too short**

Explanation: An IUCV message was received from the TCPIP virtual machine that was too long or too short.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Notify the IBM Support Center.

System Action: The message is rejected.

X25IPI715E   IP VM _UserID_ **rejected message: blocking error**

Explanation: An IUCV message was received from the TCPIP virtual machine that contained inconsistent length fields.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Notify the IBM Support Center.

System Action: The message is rejected.

X25IPI716W IP VM _UserID_ **discarded empty message**

Explanation: An empty IUCV message was received from the TCPIP virtual machine.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Notify the IBM Support Center.

System Action: The message is discarded.

X25IPI749T   IP VM _UserID_ **programming error on IPVMSNDT**

Explanation: An IUCV send completion interrupt was received, but the IUCV send queue is empty.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Notify the IBM Support Center.

System Action: The program abends with an ABEND X'749' message.

X25IPI750I   IP VM _UserID_ **disconnected: sent** _count_ **received**
count **dropped** _count_

Explanation: The number of datagrams sent, received, and dropped on the IUCV connection to the TCPIP virtual machine are shown when the connection is terminated.

User or Operator Response: None.

System Action: The IUCV connection is severed and X25IPI terminates.

X25IPI760E   IP VM _UserID_ **inactive: IUCV function completion**

Explanation: An IUCV completion interrupt was received after the path has been severed.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: Notify the IBM Support Center.

System Action: The interrupt is ignored.

X25IPI780E   IUCVCOM _function_ **failed R15=**_value_

Explanation: The indicated IUCV function failed with the return code in R15. See the _VM/ESA: GCS Reference_ for information about the IUCVCOM return codes.

User or Operator Response: Restart the TCPIP X25NPSI device to reestablish the IUCV path.

System Programmer Response: Determine the reason for the IUCV error.

System Action: The IUCV connection to the TCPIP virtual machine or address space is severed.

X.25 Messages

X25IPI781E   IUCVCOM *function* **failed:** *reason*

Explanation: The indicated IUCV function failed for the indicated reason.

User or Operator Response: Restart the TCPIP X25NPSI device to reestablish the IUCV path.

System Programmer Response: Determine the reason for the IUCV error.

System Action: The IUCV connection to the TCPIP virtual machine or address space is severed.

X25IPI782E   IUCV *function* **failed, audit flags=**<i>flags</i>

Explanation: The indicated IUCV function failed, with the indicated audit flag value. See the *VM/ESA: CP Programming Services* book for the IUCV audit flags.

User or Operator Response: Restart the TCPIP X25NPSI device to reestablish the IUCV path.

System Programmer Response: Determine the reason for the IUCV error.

System Action: The IUCV function parameter area is dumped, and the IUCV connection to the TCPIP virtual machine is severed.

Chapter 23. Miscellaneous Messages

This chapter contains miscellaneous DTC messages that are
| common to all TCP/IP clients and servers.

Common Messages

This section contains messages that are common to TCP/IP.

0001   **TCP/IP installation error: DTCUME TEXT not found**

Severity: Error.

Explanation: The TCP/IP message repository is required, but was
not found.

User or Operator Response: This error indicates an incorrect or
incomplete product installation. Ensure that the correct 591 disk is
linked and accessed; it is possible that the 591 disk contains an
older version of TCP/IP.

System Action: Server initialization stops.

0002   **Module not linked with VSPASCAL or CEESTART**

Severity: Error.

Explanation: This error indicates that the program module file was
not built correctly.

User or Operator Response: Contact your system support
personnel or the IBM Support Center.

System Action: Program execution stops.

Source File: DTCINI

0003   **One or more required libraries not found**

Severity: Error.

Explanation: The C or Pascal runtime library, SCEERUN or
TCPRTLIB LOADLIB, respectively, was not found on any accessed
disk or directory.

User or Operator Response: Contact your system support
personnel. This error indicates an incorrect or incomplete
installation. TCPRTLIB LOADLIB should be on the TCP/IP client
disk (by default, TCPMAINT 592), and SCEERUN LOADLIB should
be on the Y-disk (MAINT 19E).

System Action: Program execution stops.

Source File: DTCINI

0004   **Abend detected by DTCINI**

Severity: Severe.

Explanation: The VM TCP/IP client program has ended
abnormally.

User or Operator Response: If accompanied by additional
messages, correct the problem and retry the operation. If the
problem persists, contact your local support personnel or the IBM
Support Center.

Source File: DTCINI

COMMTXT Messages

Error *code* **from** *command***. Execution cannot proceed without
ECMODE ON.**

Severity: Error.

Explanation: An error occurred loading the EMULSTSM emulation
module. TCPIP requires this module be loaded.

User or Operator Response: See the *VM/ESA: CMS Command
Reference* for information about the NUCXLOAD command to
determine the troubleshooting procedure. This message is not
generated when Return Code 28 (module not found) is returned.

System Programmer Response: Assist the user as necessary to
troubleshoot problem.

System Action: The error flag is set to true and program control is
returned to the caller. Program execution continues.

Source File: CMEMULP PASCAL

Procedure Name: InitEmulation

emulator **MODULE not found. Execution cannot proceed without
ECMODE ON.**

Severity: Error.

Explanation: This module could not be loaded. TCP/IP requires
this emulator to be loaded, with SET ECMODE ON in effect.

User or Operator Response: See the appropriate CMS Command
Reference for the command NUCXLOAD to determine the
troubleshooting procedure.

Note: This message is generated when Return Code 28 (`module
not found`) is returned.

System Programmer Response: Assist the operator as necessary
to troubleshoot the problem.

System Action: The error flag is set to true and program control is
returned to the caller. Program execution continues.

Source File: CMEMULP PASCAL

Procedure Name: InitEmulation

Had a rejected message completion, msg lost

Severity: Warning.

Explanation: An IUCV Message Complete External Interrupt was
received with an IPAUDIT field indicating a possible asynchronous
IUCV error condition. The Interrupt was of type `incoming priority
message completion` (06) or `incoming non-priority message
completion` (07). The message could not be received.

User or Operator Response: See the system programmer.

System Programmer Response: See the *VM/ESA: CP
Programming Services* book for information about IUCV errors and
audit field values. Troubleshoot the IUCV error. The *saveaudit* field
contained IPADRJCT, indicating the message was rejected. This
can indicate that all IUCV read buffers are full.

System Action: TCPIP continues execution.

Source File: CMIUCSOC C

Procedure Name: descarray_save_iucvbuf

in nextbuf with *type* **type**

Severity: Error.

Explanation: An internal program error has occurred.

User or Operator Response: Contact system programmer.

System Programmer Response: The function descarray_nextbuf() has been called with an invalid value in the parameter *type*. This indicates the program has been incorrectly modified. If you have the TCPIP source distribution and have modified the source code, you should check every call to descarry_nextbuf() to determine which call specifies the invalid *type* parameter; valid types are:

- NEXTBUF_RECEIVE (0)
- NEXTBUF_SEND (1)
- NEXTBUF_READ (2)
- NEXTBUF_ACCEPT (3)
- NEXTBUF_WRITE (4)

If you have not modified the source code, contact the IBM Support Center.

System Action: Execution continues.

Source File: CMIUCSOC C

Procedure Name: descarray_nextbuf

Invalid keyword in *file* **file:** *token*

Severity: Error.

Explanation: The indicated TCPIP DATA file contains an invalid keyword. See the *TCP/IP Planning and Customization* for more information about this file.

User or Operator Response: See the *TCP/IP Planning and Customization*, if necessary. Correct any misspelled or invalid keywords and reinitialize TCPIP.

System Action: The keyword is ignored and execution continues.

Source File: CMHOSTN PASCAL

Procedure Name: ReadTCPIPdataFILE

| **Invalid or missing parameter for statement or previous**
| **statement**

| **Severity:** Error.

| **Explanation:** The value for a parameter for a configuration
| statement is invalid, or it appears invalid because it is missing, and
| the next word in the configuration file is being used as a value.
| Additional messages should indicate the approximate location of the
| error in the configuration file.

| **User or Operator Response:** Determine which statement and
| value is causing the message. It is possible the error can be the
| result of a missing value in an earlier statement. Correct the
| configuration file. It may be necessary to contact your system
| programmer to determine the correct value for the configuration
| statement.

| **System Programmer Response:** Assist the user with problem
| resolution, as required.

| **System Action:** Execution continues. The statement with the
| invalid value will be ignored. The value used will be the default or a
| previously specified value. Other statements may also be incorrectly
| processed, until the configuration processing can identify the valid
| start of a statement.

| **Source File:** CMHOSTN PASCAL

| **Procedure Name:** ReadTCPIPdataFILE

Message Complete audit field: *value value value*

Severity: Warning.

Explanation: An IUCV Message Complete External Interrupt was received with an IPAUDIT field indicating a possible asynchronous IUCV error condition. The contents of the IPAUDIT field are displayed. The IUCV interrupt was of type `incoming priority message completion` (06) or `incoming non-priority message completion` (07). The message could not be received.

User or Operator Response: Tell the system programmer about the problem.

System Programmer Response: See the *VM/ESA: CP Programming Services* book for information about IUCV errors and audit field values. Troubleshoot the IUCV error.

System Action: TCPIP continues execution; the message is lost.

Source File: CMIUCSOC C

Procedure Name: check_audit

---

program: **illegal option --** *option*

Severity: Error.

Explanation: The indicated command line option is illegal.

User or Operator Response: You must supply a valid command line option. See the *TCP/IP User's Guide* for information about correct usage of command line options and their argument requirements.

System Action: Execution continues.

Source File: getopt c

Procedure Name: getopt

---

program: **option requires and argument --** *option*

Severity: Error.

Explanation: This option requires an argument, but none was found on the command line.

User or Operator Response: You must supply a valid command line option argument. See the *TCP/IP User's Guide* for information about the correct usage of command line options and their argument requirements.

System Action: Execution continues.

Source File: getopt c

Procedure Name: getopt

Rc=$code$ **on IUCV_**$function$ **to** $user$, **fd=**fd, **path=**$path$,
iprcode=$code$, **iucvname=**$name$

Severity: Error.

Explanation: An error occurred executing an IUCV function. The IUCV return code, function name, IUCV user ID, IUCV path ID, type and IUCV socket name are displayed.

User or Operator Response: Record the information given and tell the system programmer about the problem.

System Programmer Response: See the *VM/ESA: CP Programming Services* book for information about IUCV. Determine and correct the cause of the error.

System Action: TCPIP continues execution.

Source File: CMIUCSOC C

Procedure Name: doiucv

ReadKanjiTable : Invalid char was read.: *index*, *index*
ReadKanjiTable : c1, c2 : *c1*, *c2*

Severity: Error.

Explanation: An invalid character in a Kanji translation table was encountered while reading the translation file. The character tuple in error is displayed and is located in the table at the indicated indices.

User or Operator Response: An error has been introduced to the translation file, at the indicated indices within the translation table. Correct the error or reload the file from archives or the distribution tape.

System Action: The translation table is not read. Program execution continues.

Source File: kjxlate pascal

Procedure Name: ReadKanjiTable

ReadKanjiTable: Invalid End of File.

Severity: Error.

Explanation: A premature end of file was encountered reading the Kanji conversion file. The conversion table could not be loaded.

User or Operator Response: Restore the Kanji conversion file from archives or the distribution tape. Run the program again.

System Action: The Kanji conversion table is not loaded. Program execution continues.

Source File: kjxlate pascal

Procedure Name: ReadKanjiTable

Sever Pending Connection from *user*, **for** *reason*

Severity: Warning.

Explanation: A pending connection from this user was severed for the indicated reason.

User or Operator Response: The most likely reason for this message is, there are too many pending connections. Ask the system programmer for assistance.

System Programmer Response: Troubleshoot the problem.

System Action: Execution continues. The listed pending connection has been severed.

Source File: CMIUCSOC C

Procedure Name: descarray_save_iucvbuf

Should not be in sock_request_iucv for *function*

Severity: Error.

Explanation: The function sock_request_iucv was called with an inappropriate function request.

User or Operator Response: Contact the IBM Support Center.

System Action: Execution continues. After the parameter error flag is set to EBADF, control is restored to the caller with a return code of -1.

Source File: cmiucsoc c

Procedure Name: sock_request_iucv

Syntax errors found in *file* **file, continuing.**

Severity: Error.

Explanation: Syntax errors were found in the listed file.

User or Operator Response: This message is issued when the parser did not find one of the following expected strings:

HOSTNAME	RESOLVERTIMEOUT
DOMAINORIGIN	OPENTIMEOUT
TCPIPUSERID	RESOLVERUDPRETRIES
NSINTERADDR	MAXUDPRETRYS
NSPORTADDR	NSUSERID
RESOLVEVIA	TRACE
COMMUNICATEVIA	

The operator should ensure that the configuration file contains the correct syntax and valid information. Correct the input file to ensure correct program operation.

System Programmer Response: Assist the user with problem resolution, as required.

System Action: The parser State is set to IgnoreState, and program operation continues.

Source File: CMHOSTN PASCAL

Procedure Name: ReadTCPIPdataFILE

TCPHOS012E No Valid Dbcs Option for LOADDBCSTABLES in *file*

Severity: Error.

Explanation: The indicated FTP DATA file contains a LOADDBCSTABLES statement with no valid parameter specified.

User or Operator Response: Specify a valid parameter for the LOADDBCSTABLES statement. See *TCP/IP Planning and Customization* for more information about configuring the LOADDBCSTABLES statement in FTP DATA.

System Action: The command is ignored and execution continues.

Source File: CMHOSTN PASCAL

Procedure Name: ReadTCPIPdataFILE

TCPDBC000I DbcsEtoA : First Double Byte Character Invalid *ord(firstchar)*

Severity: Informational.

Explanation: EBCDIC double-byte characters are being converted to ASCII. The first character of a double-byte character, with the specified ordinal value, is not in the valid range for EBCDIC double-byte characters.

User or Operator Response: Check the contents of the data being transmitted, to see if it contains valid double-byte characters. EBCDIC double-byte characters are enclosed within shift-out X'0E' and shift-in X'0F' characters.

System Action: The data in error is transmitted unconverted, and execution continues.

Source File: CMDBCSCV PASCAL

Procedure Name: DbcsEtoA

TCPDBC001I DbcsEtoA : Second Double Byte Character Invalid
                ord(firstchar) ord(secondchar)

Severity: Informational.

Explanation: EBCDIC double-byte characters are being converted to ASCII. The second character of a double-byte character, with the specified ordinal value, is not in the valid range for EBCDIC double-byte characters.

User or Operator Response: Check the contents of the data being transmitted, to see if it contains valid double-byte characters. EBCDIC double-byte characters are enclosed within shift-out X'0E' and shift-in X'0F' characters.

System Action: The data in error is transmitted unconverted, and execution continues.

Source File: CMDBCSCV PASCAL

Procedure Name: DbcsEtoA

TCPDBC002I DbcsAtoE : Character after ESCAPE Invalid
                ord(AsciiEscape) ord(nextchar)

Severity: Informational.

Explanation: ASCII JIS Kanji double-byte characters are being converted to EBCDIC. ASCII JIS Kanji double-byte characters are enclosed within the shift-out escape sequence `ESC $ @` or `ESC $ B`, and the shift-in escape sequence `ESC ( B` or `ESC ( J`. The character after the ESCAPE, with the specified ordinal value, is not valid for a JIS Kanji shift-out or shift-in sequence.

User or Operator Response: Check the contents of the data being transmitted, to see if it contains valid JIS Kanji double-byte characters and escape sequences for the selected conversion type.

System Action: The invalid escape sequence is ignored and is transmitted unconverted. Execution continues.

Source File: CMDBCSCV PASCAL

Procedure Name: DbcsAtoE

TCPDBC003I DbcsAtoE : Character after $ Invalid
                ord(AsciiEscape) ord(AsciiDollar) ord(nextchar)

Severity: Informational.

Explanation: ASCII JIS Kanji double-byte characters are being converted to EBCDIC. ASCII JIS Kanji double-byte characters are enclosed within the shift-out escape sequence `ESC $ @` or `ESC $ B`, and the shift-in escape sequence `ESC ( B` or `ESC ( J`. The character after the $, with the specified ordinal value, is not valid for a JIS Kanji shift-out sequence.

User or Operator Response: Check the contents of the data being transmitted, to see if it contains valid JIS Kanji double-byte characters and escape sequences for the selected conversion type.

System Action: The invalid escape sequence is ignored and is transmitted unconverted. Execution continues.

Source File: CMDBCSCV PASCAL

Procedure Name: DbcsAtoE

TCPDBC004I DbcsAtoE : Character after (Invalid
                ord(AsciiEscape) ord(AsciiBraceL) ord(nextchar)

Severity: Informational.

Explanation: ASCII JIS Kanji double-byte characters are being converted to EBCDIC. ASCII JIS Kanji double-byte characters are enclosed within the shift-out escape sequence `ESC $ @` or `ESC $ B`, and the shift-in escape sequence `ESC ( B` or `ESC ( J`. The character after the (, with the specified ordinal value, is not valid for a JIS Kanji shift-in sequence.

User or Operator Response: Check the contents of the data being transmitted, to see if it contains valid JIS Kanji double-byte characters and escape sequences for the selected conversion type.

System Action: The invalid escape sequence is ignored and is transmitted unconverted. Execution continues.

Source File: CMDBCSCV PASCAL

Procedure Name: DbcsAtoE

TCPDBC005I DbcsAtoE : Second Double Byte Character Invalid
                ord(firstchar) ord(secondchar)

Severity: Informational.

Explanation: ASCII double-byte characters are being converted to EBCDIC. ASCII double-byte characters are indicated when the first character is in the range for ASCII double-byte characters. The second character of a double-byte character, with the specified ordinal value, is not in the valid range for the second byte of double-byte characters.

User or Operator Response: Check the contents of the data being transmitted, to see if it contains valid ASCII double-byte characters for the selected conversion type.

System Action: The data in error is transmitted unconverted, and execution continues.

Source File: CMDBCSCV PASCAL

Procedure Name: DbcsAtoE

TCPDBC006I DbcsAtoE : First Double Byte Character Invalid
                ord(firstchar)

Severity: Informational.

Explanation: ASCII JIS Kanji double-byte characters are being converted to EBCDIC. ASCII JIS Kanji double-byte characters are enclosed within the shift-out escape sequence `ESC $ @` or `ESC $ B`, and the shift-in escape sequence `ESC ( B` or `ESC ( J`. The first character of a double-byte character, with the specified ordinal value, is not in the valid range for JIS Kanji double-byte characters.

User or Operator Response: Check the contents of the data being transmitted, to see if it contains valid JIS Kanji double-byte characters and escape sequences for the selected conversion type.

System Action: The invalid escape sequence is ignored and is transmitted unconverted. Execution continues.

Source File: CMDBCSCV PASCAL

Procedure Name: DbcsAtoE

TCPDBC010E Invalid Data in *file* **: Loading Stopped.**

Severity: Error.

Explanation: Binary DBCS translation tables are being loaded from the indicated data set. The file does not contain data in the required format for DBCS binary translate tables.

User or Operator Response: Configure a valid DBCS binary translate table file in the search order hierarchy for the required DBCS translation table. See *TCP/IP Planning and Customization* for information about the loading and customizing of DBCS translation tables.

System Action: Loading of the indicated file stops, and program execution continues.

Source File: CMDBCSCV PASCAL

Procedure Name: ExitError

Unable to allocate/open *file* **file, continuing.**

Severity: Error.

Explanation: TCP was unable to open the indicated TCPIP DATA file. The OpenText procedure failed with a LastError code of 41. This indicates that the requested file was not found, or could not be opened in the correct access mode.

User or Operator Response: Ensure that the file is correctly accessed before continuing.

System Programmer Response: Assist the operator with problem resolution, as required.

System Action: The client record parameter is set equal to the client record data for return, and program operation continues.

Source File: CMHOSTN PASCAL

Procedure Name: ReadTCPIPdataFILE

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user **severed IUCV path.**

Severity: Warning.

Explanation: You severed an IUCV path.

User or Operator Response: This message is listed as a warning in cases where such an occurrence is unexpected. It does not indicate that the user caused the condition. If this message is unexpectedly output, the operator should determine what effects such a condition can have before proceeding.

System Programmer Response: Assist the user as necessary to troubleshoot the problem.

System Action: Execution continues without an IUCV path to the listed user.

Source File: CMIUCSOC C

Procedure Name: descarray_save_iucvbuf

---

user **severed IUCV path. Reason** *reason*

Severity: Warning.

Explanation: You severed an IUCV path for the indicated reason.

User or Operator Response: If this message does not provide sufficient information in the reason codes to resolve the situation, contact your system programmer for assistance.

System Programmer Response: Assist the operator or resolve network problems, as required.

System Action: Execution continues without an IUCV path to the listed user.

Source File: CMIUCSOC C

Procedure Name: descarray_save_iucvbuf

COMMTXT Messages

Bibliography

This bibliography lists the publications that provide information about your VM/ESA system. The VM/ESA library includes VM/ESA base publications, publications for additional facilities included with VM/ESA, and publications for VM/ESA optional features.

VM/ESA publications may be available as Adobe Portable Document Format (PDF) files, IBM BookManager® files, or printed books. For abstracts of VM/ESA publications and other library-related information, including current editions and available publication formats, see *VM/ESA: General Information*.

VM/ESA Base Publications

Evaluation

VM/ESA: Licensed Program Specifications, GC24-5744

VM/ESA: General Information, GC24-5745

Installation and Service

VM/ESA: Installation Guide, GC24-5836

VM/ESA: Service Guide, GC24-5838

VM/ESA: VMSES/E Introduction and Reference, GC24-5837

Planning and Administration

VM/ESA: Planning and Administration, SC24-5750

VM/ESA: CMS File Pool Planning, Administration, and Operation, SC24-5751

VM/ESA: Conversion Guide and Notebook, GC24-5839

VM/ESA: REXX/EXEC Migration Tool for VM/ESA, GC24-5752

VM/ESA: Running Guest Operating Systems, SC24-5755

VM/ESA: Connectivity Planning, Administration, and Operation, SC24-5756

VM/ESA: Group Control System, SC24-5757

VM/ESA: Performance, SC24-5782

Customization

IBM VM/ESA: CP Exit Customization, SC24-5672

Operation

VM/ESA: System Operation, SC24-5758

VM/ESA: Virtual Machine Operation, SC24-5759

Application Programming

VM/ESA: CP Programming Services, SC24-5760

VM/ESA: CMS Application Development Guide, SC24-5761

VM/ESA: CMS Application Development Reference, SC24-5762

VM/ESA: CMS Application Development Guide for Assembler, SC24-5763

VM/ESA: CMS Application Development Reference for Assembler, SC24-5764

VM/ESA: CMS Application Multitasking, SC24-5766

VM/ESA: REXX/VM Primer, SC24-5598

VM/ESA: REXX/VM User's Guide, SC24-5465

VM/ESA: REXX/VM Reference, SC24-5770

IBM VM/ESA: Distributed Graphical User Interface Toolkit, SC24-5724

IBM VM/ESA: Reusable Server Kernel Programmer's Guide and Reference, SC24-5852

VM/ESA: Enterprise Systems Architecture/Extended Configuration Principles of Operation, SC24-5594

VM/ESA: Programmer's Guide to the Server-Requester Programming Interface for VM, SC24-5455

VM/ESA: CPI Communications User's Guide, SC24-5595

Common Programming Interface Communications Reference, SC26-4399

Common Programming Interface Resource Recovery Reference, SC31-6821

External Security Interface (RACROUTE) Macro Reference for MVS and VM, GC28-1366

End Use

VM/ESA: CP Command and Utility Reference, SC24-5773

VM/ESA: CMS Primer, SC24-5458

VM/ESA: CMS User's Guide, SC24-5775

VM/ESA: CMS Command Reference, SC24-5776

IBM VM/ESA: Graphical User Interface Facility, SC24-5789

VM/ESA: CMS Pipelines User's Guide, SC24-5777

VM/ESA: CMS Pipelines Reference, SC24-5778

CMS/TSO Pipelines: Author's Edition, SL26-0018

VM/ESA: XEDIT User's Guide, SC24-5779

VM/ESA: XEDIT Command and Macro Reference, SC24-5780

VM/ESA: Quick Reference, SX24-5290

Diagnosis

VM/ESA: System Messages and Codes, GC24-5841

VM/ESA: Dump Viewing Facility, GC24-5853

VM/ESA: Diagnosis Guide, GC24-5854

VM/ESA: CP Diagnosis Reference, SC24-5855

VM/ESA: CP Diagnosis Reference Summary, SX24-5292

VM/ESA: CMS Diagnosis Reference, SC24-5857

Note: CP and CMS control block information is not provided in book form. This information is available on the IBM VM/ESA operating system home page (http://www.ibm.com/s390/vm).

Publications for Additional Facilities

OpenEdition® for VM/ESA

IBM OpenEdition for VM/ESA: POSIX Conformance Document, GC24-5842

IBM OpenEdition for VM/ESA: User's Guide, SC24-5727

IBM OpenEdition for VM/ESA: Command Reference, SC24-5728

IBM OpenEdition for VM/ESA: Advanced Application Programming Tools, SC24-5729

IBM OpenEdition for VM/ESA: Callable Services Reference, SC24-5726

IBM OpenEdition for VM/ESA: Sockets Reference, SC24-5741

IBM C for VM/ESA: Library Reference, SC23-3908

Debug Tool User's Guide and Reference, SC09-2137

DFSMS/VM®

VM/ESA: DFSMS/VM Function Level 221 Planning Guide, GC35-0121

VM/ESA: DFSMS/VM Function Level 221 Installation and Customization, SC26-4704

VM/ESA: DFSMS/VM Function Level 221 Storage Administration Guide and Reference, SH35-0111

VM/ESA: DFSMS/VM Function Level 221 Removable Media Services User's Guide and Reference, SC35-0141

VM/ESA: DFSMS/VM Function Level 221 Messages and Codes, SC26-4707

VM/ESA: DFSMS/VM Function Level 221 Diagnosis Guide, LY27-9589

S/390® Open Systems Adapter Support Facility for VM/ESA

Planning for the System/390 Open Systems Adapter Feature, GC23-3870

IBM VM/ESA: Open Systems Adapter Support Facility User's Guide, SC28-1992

Language Environment®

Language Environment for OS/390 & VM: Concepts Guide, GC28-1945

Language Environment for OS/390 & VM: Migration Guide, SC28-1944

Language Environment for OS/390 & VM: Programming Guide, SC28-1939

Language Environment for OS/390 & VM: Programming Reference, SC28-1940

Language Environment for OS/390 & VM: Writing Interlanguage Communication Applications, SC28-1943

Language Environment for OS/390 & VM: Debugging Guide and Run-Time Messages, SC28-1942

Publications for Optional Features

CMS Utilities Feature

VM/ESA: CMS Utilities Feature, SC24-5535

TCP/IP Feature for VM/ESA

VM/ESA: TCP/IP Function Level 320 Planning and Customization, SC24-5847

VM/ESA: TCP/IP Function Level 320 User's Guide, SC24-5848

VM/ESA: TCP/IP Function Level 320 Programmer's Reference, SC24-5849

VM/ESA: TCP/IP Function Level 320 Messages and Codes, GC24-5850

VM/ESA: TCP/IP Function Level 320 Diagnosis Guide, GC24-5851

OpenEdition Distributed Computing Environment Feature for VM/ESA

IBM OpenEdition DCE for VM/ESA: Introducing the OpenEdition Distributed Computing Environment, SC24-5735

IBM OpenEdition DCE for VM/ESA: Planning, SC24-5737

IBM OpenEdition DCE for VM/ESA: Configuring and Getting Started, SC24-5734

IBM OpenEdition DCE for VM/ESA: Administration Guide, SC24-5730

IBM OpenEdition DCE for VM/ESA: Administration Reference, SC24-5731

IBM OpenEdition DCE for VM/ESA: Application Development Guide, SC24-5732

IBM OpenEdition DCE for VM/ESA: Application Development Reference, SC24-5733

IBM OpenEdition DCE for VM/ESA: User's Guide, SC24-5738

IBM OpenEdition DCE for VM/ESA: Messages and Codes, SC24-5736

LAN File Services/ESA

Discovering LAN File Services/ESA, GK2T-5762

Introducing LAN File Services/ESA, GH24-5259

LAN File Services/ESA: Licensed Program Specifications, GH24-5260

LAN File Services/ESA: VM Guide and Reference, SH24-5264

LAN Resource Extension and Services/VM

LAN Resource Extension and Services/VM: Licensed Program Specifications, GC24-5617

LAN Resource Extension and Services/VM: General Information, GC24-5618

LAN Resource Extension and Services/VM: Guide and Reference, SC24-5622

CD-ROM

The following CD-ROM contains PDF versions of many VM/ESA publications and publications for some related IBM licensed programs. It also contains all the IBM libraries that are available in IBM BookManager format for current VM system products and current IBM licensed programs that run on VM/ESA.

IBM Online Library Omnibus Edition: VM Collection, SK2T-2067

Note: Only unlicensed publications are included.

Other TCP/IP Related Publications

This section lists other publications, outside the VM/ESA 2.4.0 library, that you may find helpful.

TCP/IP Tutorial and Technical Overview, GG24-3376

TCP/IP Illustrated, Volume 1: The Protocols, SR28-5586

Internetworking with TCP/IP Volume I: Principles, Protocols, and Architecture, SC31-6144

Internetworking With TCP/IP Volume II: Implementation and Internals, SC31-6145

Internetworking With TCP/IP Volume III: Client-Server Programming and Applications, SC31-6146

DNS and BIND in a Nutshell, SR28-4970

"MIB II Extends SNMP Interoperability," C. Vanderberg, *Data Communications*, October 1990.

"Network Management and the Design of SNMP," J.D. Case, J.R. Davin, M.S. Fedor, M.L. Schoffstall.

"Network Management of TCP/IP Networks: Present and Future," A. Ben-Artzi, A. Chandna, V. Warrier.

"Special Issue: Network Management and Network Security,"*ConneXions-The Interoperability Report*, Volume 4, No. 8, August 1990.

The Art of Distributed Application: Programming Techniques for Remote Procedure Calls, John R. Corbin, Springer-Verlog, 1991.

The Simple Book: An Introduction to Management of TCP/IP-based Internets, Marshall T Rose, Prentice Hall, Englewood Cliffs, New Jersey, 1991.

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Readers' Comments

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Enterprise Systems Architecture
TCP/IP Function Level 320
Messages and Codes
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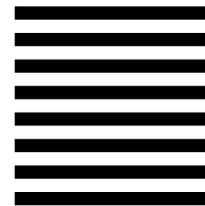**Please do not staple**

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