

Virtual Machine
Remote Spooling Communications Subsystem
Networking



Messages and Codes

Version 3 Release 2

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Networking



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Note:

Before using this information and the product it supports, read the information in "Notices" on page v.

Fourth Edition (July 1999)

This edition applies to Version 3, Release 2, Modification 0 of IBM® Virtual Machine Remote Spooling Communications Subsystem Networking (VM/RSCS) (product number 5684-096) and to all subsequent releases and modifications until otherwise indicated in new editions.

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Preface

This book provides a description and explanation of most of the messages and codes produced by the VM Remote Spooling Communications Subsystem Networking (RSCS) licensed program.

Who Should Read This Book

This book is for people who are responsible for installing, servicing, customizing, and operating RSCS.

What You Should Know before Reading This Book

You must be familiar with the use of Virtual Machine/Enterprise Systems Architecture (VM/ESA), including its concepts and terminology. You should also be familiar with Transmission Control Protocol/Internet Protocol for VM (TCP/IP). VM/ESA and TCP/IP are not discussed in detail in this book.

What This Book Contains

“Introduction” on page 1 explains the format and syntax conventions of RSCS messages and abend codes and how they appear in this book and on your display screen.

“RSCS Messages” on page 5 provides a numerical listing of the messages issued by the RSCS Domain Name Server.

“RSCS Message Cross-Reference” on page 81 provides a listing of the messages, in alphabetical order by message text, cross-referencing to the message number and the page where the explanation can be found.

“RSCS Message Compiler Messages” on page 95 lists the messages that are issued by the RSCS message compiler.

| “RSCS Domain Name Server Messages” on page 101
| provides a numerical listing of the messages issued by the
| RSCS Domain Name Server.

“Abend Codes” on page 103 lists the abend codes that are produced when GCS or RSCS detects a fault or programming error.

“Creating Columnar Messages” on page 107 contains three tables to help you issue the QUERY command. It also contains examples of responses that RSCS gives when you issue some QUERY commands.

“Understanding Language-Independent Messages” on page 125 describes how to interpret a response in language-independent form.

Where to Find More Information

See the “Bibliography” on page 133 for a list of the books that are referred to in this book and can provide you with additional information on RSCS and VM/ESA.

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/related/rscs>
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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.

Summary of Changes

This section describes how to obtain previous editions of this publication. It also describes the changes made to this book over several previous editions. For your convenience, the changes that were made since the last edition was produced are identified in the text by a vertical bar (|).

How to Obtain Previous Editions of This Book

Previous editions of this book and other books in the RSCS library can be ordered using the order numbers listed in the bibliography.

Summary of Changes for RSCS Version 3, Release 2

TCP/IP Driver Support: Support for the following new link types has been added to RSCS:

- | • LPD
- | • LPR
- | • TCPASCI
- | • TCPNJE
- | • TN3270E
- | • UFT
- | • UFTD

31-Bit Addressing Support: RSCS is enabled to use 31-bit addressing, which alleviates storage problems and enables more links to be defined to the RSCS virtual machine.

Additional Changes

- Messages issued from the RSCS message compilers have been added; this information was previously found in the *VM/RSCS: Planning and Installation* book.
- Editorial and formatting changes have also been made throughout this book.

Summary of Changes for RSCS Version 3, Release 1

Usability Enhancements

- Command syntax is depicted in *railroad track* syntax diagrams instead of the brackets-and-braces style previously used. The railroad track style is being adopted by all IBM products.
- Technical and editorial improvements have been made.

VMSES/E Support: This enables VM/ESA customers to install and service RSCS using the same tools and methods as the base operating system.

3270 Printer Driver Support

- Provides consistency between double-byte character set (DBCS) and non-DBCS print streams.
- New APL2 character set support.
- Improved error condition handling on print files.

Introduction

This section describes the format of RSCS messages and the syntax conventions used in this book.

Message Format in this Book

Each message described in this book is divided into five parts. These are described in the following sections:

- Message
 - Message Identifier
 - Display Message

Messages can be displayed on more than one line. An example of a multiple line message is 939E on page 71.
- Explanation
- System Action
- User or Operator Action
- Destination Keys.

Message

The message you see on the screen is made up of several parts. The first two sections explain the meaning of the characters and numbers in the message as you see it on your screen. The remaining sections explain how each message is documented.

Message Identifier: A message identifier is a string of characters and numbers that identifies an individual message. An example of a message identifier is:

```
DMTNTR147I
```

and an example of a RSCS DNS message identifier is:

```
DMTDNS1000I
```

On your screen, the message identifier is included in the message line if a CP SET EMSG ON command has been issued in the RSCS virtual machine that issued the message. This command is contained in the PROFILE GCS exec file supplied with the RSCS system.

All responses to QUERY and CP QUERY commands that have a severity of I are displayed as if the SET EMSG TEXT command has been issued. Also, messages 170I and 171I are always issued as if the SET EMSG TEXT command has been issued.

Responses to columnar messages, generated in response to QUERY commands, do not display message identifiers, except in language-independent form. For general information about columnar messages, see “Columnar Messages” on page 3. For more information about tailoring

a columnar message for your specific needs, see “Creating Columnar Messages” on page 107. For more information about language-independent messages, see “Understanding Language-Independent Messages” on page 125.

The message identifiers conform to VM/ESA standards.

DMT The first three characters of the identifier DMT is the prefix. It identifies the message as an RSCS message.

NTR The next three characters NTR denote the module origin of the message. This field is the fourth, fifth, and sixth characters of the module name.

147 The next three characters 147 contain the message number associated with the condition that caused the message to be generated.

Note: The RSCS DNS messages contain four characters.

I The last character I is the message severity code, a letter that specifies what kind of condition caused the message.

The message severity codes and their meanings are:

E Error message
I Informational message
T End of RSCS because of error
W Warning message.

Note: In this book for RSCS messages, only the three-character message number and the severity code are used as the message identifier.

Display Message: The Display Message is the text of the message. For most messages, the message text is a short phrase or sentence describing a condition that has occurred or requesting a response from the user.

If you specified that you wanted the language-independent form of the message, RSCS only displays the variable information. For example, message DMT002I reads: Link *linkid* deactivated. In language-independent form, you would only receive the name of the link specified by *linkid*.

Explanation

This section describes the task you were trying to perform and the significance of the message. It tells you why the system sent the message to you. In most cases, meanings of variables and other terms are explained in this paragraph.

System Action

This section explains what the system did (or is doing) because of your last action.

Introduction

User/Operator Action

This section tells you what you should do when you receive a message.

Destination Keys

A destination key which shows the possible destination(s) of each message is included in the discussions of the messages. The keys are:

- CO** RSCS command originator
- CP** System operator
- ECO** RSCS ENABLE command originator
- FO** File originator

If the file originator (FO) is also the START command originator (SCO), the RSCS Operator (R), or both, he or she will only receive the messages once.

- NCO** RSCS NETWORK command originator
- P** Private messages that go only to the command originator
- R** RSCS node operator
- RS** Remote system operator (or printer operator, if the remote system is a 3270 printer).
- SCO** RSCS START command originator (for an inactive link).

There is no START command originator for an SNA3270P-type link or an SNARJE-type link started by LOGON when the link is started by the VTAM™ operator or by the automatic LOGON facility of VTAM. Similarly, there is no START command originator for an auto-start or auto-answer link, nor for the secondary side of an SNANJE-type link. Here, messages issued with a destination key of SCO appear only on the RSCS operator's console.
- SRCO** RSCS START or READY command originator (for an active link).
- V** Virtual machine user on the local system.

Message Routing

Command Response Messages: Command response messages are issued to the command originator and, in certain cases, to the RSCS console.

Spontaneous Messages: Spontaneous messages are issued to the RSCS console when an error or informational condition arises during system operation. Certain spontaneous messages are issued to a virtual machine user when they apply to files originated by or destined for that user and specify a state change such as intervention required or link terminated or when that user originates the START command.

SETMSG allows a system-authorized alternate operator or the RSCS console operator to start or stop the sharing of RSCS messages based on the message number. (Link-authorized alternate operators and remote workstation operators cannot use the SETMSG command.) Only messages marked as private cannot be shared.

Private Messages: A message whose destination key contains a *P* is termed a private message. These messages cannot be subscribed to using the SETMSG command or statement. Any attempt to subscribe to such messages explicitly (as opposed to using the ALL operand) will be accompanied by an error message. Private messages include: 003I, 004I, 005I, 100I, 170I, 171I, and 888I.

Note: RSCS issues message 100I after you enter the SHUTDOWN command to terminate RSCS processing. During this time, all message subscriptions are erased. To prevent you from subscribing to a message you cannot receive, message 100I is marked as a private message.

Console Messages: Generally, an authorized alternate operator receives only those messages destined for a command or file originator. However, if the operator has enabled console message routing by issuing a SET ... MSG command, the operator will also receive messages (other than initialization messages) destined for the RSCS console operator.

When console message routing is in effect, an operator also receives file transmission and reception messages. The SET command allows authorized alternate operators to subscribe to messages for individual links and to subscribe other virtual machines to messages about a link. System-authorized operators generally receive messages about all links and the system. If an operator starts a link, the operator also receives all messages concerning that link.

Message Size

If a message is sent from a remote system, an additional header (see messages 170I and 171I on page 17) is added by the receiving RSCS virtual machine. Because there is a maximum length message (including the message identifier) that RSCS can issue, the message text may be truncated, depending on the number of message identifiers and headers added to the message and the length of the message text.

Message Suppression

RSCS sends back several informational messages when a file is sent over the network. While most users find these messages useful, some find them annoying, especially if they are sending many files at one time, or if a file traverses many nodes. Not only are these messages an annoyance to some users, these messages can cause a significant amount of network congestion. Users can suppress or request these messages on a file by file basis. See the VM/RSCS:

Planning and Installation and the *VM/RSCS: Operation and Use* books for more information.

Message Syntax Conventions

The following sections describe the notational conventions used in RSCS messages.

Message Variables

Most of the messages or message text descriptions listed in “RSCS Messages” on page 5 contain one or more variables. Real values are substituted when the message is actually displayed. For example, the text for message 147I is shown as follows:

147I Sent file *spoolid* (*origid*) on link *linkid* to nodeid (*userid*)

When the message is displayed, real values are substituted for the variables.

```
DMTNTR147I Sent file 0716 (1995) on link NYNJGATE to NEWYORK(MATTHEW)
```

Ellipsis marks (...) appear in a message when information is either not available or not known to RSCS.

Message Variables Used in this Book

Message text may contain several variables. The following variables are often used:

<i>groupid</i>	Group identifier; the name of a group of related nodes.
<i>linkid</i>	Link identifier; the name of a link.
<i>locid</i>	Location identifier; the node ID of the user's local system
<i>luname</i>	The logical unit name for the system or device that is connected to the referenced link.
<i>nodeid</i>	Node identifier; the name by which a node is known to all other nodes in a network.
<i>origid</i>	The origin spool file identifier is the spool file identifier that RSCS sees on the file when it sees the file in its reader at the originating node.
<i>spoolid</i>	The spool file identifier that is <i>currently</i> assigned to the referenced file by the VM spool facility.
<i>userid</i>	User identifier; the name by which a virtual machine and its user are known to others.
<i>vaddr</i>	Virtual address. An address that refers to virtual storage or a virtual I/O device address, that must, therefore, be translated into a real storage or I/O device address when it is used.

Other variables are defined in the explanations of the individual messages.

Message Syntax Conventions Used in this Book

The syntax used in the messages in this book is as follows:

- Message variables are specified by *italics*. When the message is issued they are replaced with specific information.
- All single (‘...’) or double (“...”) quotation marks appearing in the message text in this book are displayed when the message appears on your screen.
- Items within braces and separated by a vertical line {...|...} specify alternate text information selected when the message is issued. The braces do not appear as part of the message on your screen.
- Items within brackets [...] may be optionally left out, depending on the condition. The brackets do not appear as part of the message on your screen.

Message Types

RSCS issues two types of messages: text and columnar.

Text Messages

The most common type of message that RSCS issues is text. Text messages show that an event has occurred. For example, initialization is complete, or a file is received on a link. Text messages are also issued as responses to some RSCS commands.

Columnar Messages

RSCS issues columnar messages in response to QUERY and EXIT commands. These messages can contain many rows and columns of related information. Columnar messages are also used to display information for some single-line command responses.

Each columnar message contains a header line and body text. The header contains one or more lines of column heading text. Some headings may apply to more than one column. The body of the message contains the information placed under each item in the header. Each item in the body is represented by a single line of message text.

On most QUERY commands, you can use SHOW options to select the columns that RSCS displays in the message. For some QUERY commands, however, you cannot change the columns that are displayed by the SHOW options. For example, the ACTIVE keyword in the QUERY *linkid* ACTIVE command determines the information RSCS displays. For the QUERY SYSTEM GROUPS or QUERY SYSTEM NODES commands, the DISPLAY keyword determines the contents of the multiple-line responses.

Introduction

For information to help you issue the QUERY command so that you receive just the response you want, see “Creating Columnar Messages” on page 107. For information to help

you decipher a language-independent columnar message, see “Understanding Language-Independent Messages” on page 125.

RSCS Messages

0001 RSCS Networking Version 3, Release *n.n-nnnn* ready

Explanation: This message signals the completion of RSCS initialization. The *n.n-nnnn* is the release and service level of the RSCS system.

System Action: The system begins normal processing by accepting files and commands.

Operator Action: Normally, activate one or more links.

Destination: CP, R

0011 End of command response

Explanation: This message is issued to command originators who are using the Command Response Interface (CRI) after all responses to the command have been sent. The message is meant to be used as an end of response marker.

System Action: None.

Operator Action: None.

Destination: CO

0021 Link *linkid* deactivated

Explanation: The link identified by *linkid* was deactivated as a result of command execution, normal link driver termination, or a link driver abend.

System Action: The link's link driver task is deleted, all storage allocated to the task freed, and the link table entry is updated. The link remains inactive until it is reactivated again.

Operator Action: None.

Destination: R, SCO, CO

0031 Link *linkid* executing: (*command line text*)

Explanation: The RSCS command described by *command line text* was forwarded by a directly connected remote station for local execution. The link identifier of the originating remote station is specified by *linkid*.

System Action: The command is executed, and the resulting response is automatically returned to the originating remote station.

Operator Action: None.

Destination: P, R

0041 Location *locid* executing: (*command line text*)

Explanation: The RSCS command described by *command line text* has been forwarded by the operator at a remote location for local execution. The location identifier for the originating remote location is identified by *locid*.

System Action: The command is executed, and the resulting response is automatically returned to the originating remote operator.

Operator Action: None.

Destination: P, R

0051 Location *locid* (*userid*) executing: (*command line text*)

Explanation: The RSCS command described by *command line text* has been forwarded by, or may have been issued from an exec invoked by, an interactive user at a remote location for local execution. The command originator's location and user identifiers are specified by *locid* and *userid*.

System Action: The command is executed if it is a valid command for user execution, and the resulting response is automatically returned to the originating remote interactive user.

Operator Action: None.

Destination: P, R

006W {SMSG | MSG | CMD | REPLY} from *userid* has been truncated by *nn* bytes from original length of *mmm* bytes

Explanation: This warning message is issued when RSCS receives a request that contains more than an acceptable number of bytes. The message text indicates the number of bytes truncated from the original length received. Different areas of RSCS can process messages and commands of different lengths. The same message and command may be truncated 3 times. When the command is *SMSG*, the original text length will include the lengths of the command plus the length of the destination node ID and user ID.

System Action: The request is truncated by the indicated number of bytes. Because it has been truncated, unpredictable results may occur.

Operator Action: Issue the command again and specify the indicated number of bytes or less, of data.

Destination: P, R, CO

007W Q message limit reached--*nnnn* out of *total* responses displayed.

Explanation: This message is issued when Query message limit is in effect and the limit is reached. Query message limit is the number of query messages issued, minus the header line(s). Total is the actual number of messages, minus the header line(s) for the query command being processed. If Query message limit is in effect, users should be informed to use filters on their RSCS Query commands which will reduce the number of message responses.

System Action: Normal RSCS processing continues.

Operator Action: Issue the Query command again using filters.

Destination: SCO

010I RSCS Networking loaded at *nnnnnnnn-nnnnnnnn*, CVT at *nnnnnnnn*, initialization time was *mm/dd/yy hh:mm:ss* *timezone*

Explanation: An RSCS INIT command has been executed successfully. The first two addresses (*nnnnnnnn-nnnnnnnn*) are the upper and lower boundaries of the RSCS load module. The third address (*nnnnnnnn*) is the beginning of the RSCS CVT. The addresses are in hexadecimal. The date, time, and time zone ID specified at the end of the message indicate the last time your RSCS system was initialized using the RSCS INIT command.

This message may also be issued in response to a QUERY SYSTEM LOADADDRESS command.

System Action: Normal system operation continues.

Operator Action: None.

Destination: CO, R

011I Routine *name* loaded for exit *nnn* at *aaaaaaaa* and marked {*active* | *inactive*}

Explanation: Issued by RSCS during initialization processing after the successful loading of an exit routine for exit *nnn* identified on an EXIT configuration statement. The routine is identified in the message by its entry point name and is loaded at *aaaaaaaa* (its hexadecimal storage address).

System Action: Normal system operation continues.

Operator Action: None.

Destination: R

012I Link *linkid* exit routine *name* loaded at *address*

Explanation: An exit module has been loaded for use by the indicated ASCII-, LPD-, LPR-, TCPASCII-, UFT-, or UFTD-type link. The *linkid* identifies the link. The routine is identified by its entry point name *name* and is loaded at *address*, the hexadecimal storage address.

System Action: Normal system operation continues.

Operator Action: None.

Destination: R, SCO

013I Language module *modname* loaded at *aaaaaaaa*

Explanation: RSCS issued this message during initialization processing after the successful loading of a language module. This module is identified in the message by its entry point name and is loaded at *aaaaaaaa* (its hexadecimal storage address).

System Action: Normal system operation continues. Messages issued, beginning with this statement, will be constructed using the newly loaded message module if they are being issued to the same destination for which the module is loaded.

Operator Action: None.

Destination: R

014I Link *linkid* gateway routine *name* loaded at *aaaaaaaa*

Explanation: A gateway routine has been loaded for use by link *linkid*. The routine is identified in the message by its entry point name *name* and is loaded at *aaaaaaaa* (its hexadecimal load address).

System Action: Normal system operation continues.

Operator Action: None.

Destination: R, SCO

060E VTAM ACB cannot be opened -- error *cc* (*reason*)

Explanation: This message was issued by the RSCS SNA control task in response to an RSCS NETWORK START command that failed because the ACB (Application Control Block) could not be opened with VTAM. This message is issued for the initial OPEN request and for each subsequent retry request. For details on OPEN ACB, see the *ACF/VTAM Programming* book, listed in the "Bibliography" on page 133. Error *cc* is the hexadecimal return code from the VTAM OPEN macro instruction issued by the RSCS SNA control task. The reason may be any of those listed below:

14 Temporary shortage of VTAM storage

VTAM does not have enough storage to open the interface with the RSCS application.

24 Wrong password supplied on NETWORK START command

The password supplied on the NETWORK START command does not match the one specified on the APPL definition for the RSCS application.

54 Incorrect APPLID on NETWORK START command

The APPLID specified on the NETWORK START command does not match the one specified on the APPL definition for the RSCS application.

5A APPLID on NETWORK START command was not found by VTAM

The APPLID specified on the NETWORK START command cannot be found by VTAM in the definition tables for the RSCS application.

5C VTAM is not initialized

VTAM has not been initialized and is therefore not able to establish an interface with RSCS.

70 The ACB requested is currently being closed

The ACB requested on VTAM OPEN macro instruction issued by the RSCS SNA control task is currently being closed by VTAM.

58 Another application has already opened an ACB for the specified APPLID

Another VTAM application has already opened an ACB for the APPLID specified on the NETWORK START command. The same APPLID may have been assigned to both the RSCS application and another application. This is valid if it is intended that both applications should not be open concurrently.

52 The VTAM operator issued a HALT command -- VTAM is shutting down

VTAM is in the process of shutting down as the result of a VTAM HALT command issued by the VTAM operator. The ACB cannot be opened.

50 VTAM has not been included as part of the operating system

VTAM has not been included as part of the operating system. This may be caused by an error in the system definition procedures.

Unknown reason

VTAM did not supply a reason code or supplied one that is not known to RSCS.

System Action: RSCS will attempt to retry the OPEN ACB request the number of times specified on the RETRY parameter specified on the RSCS NETWORK START command for the reasons described above (except "unknown reason" and condition codes 14, 50, 52, and 58). After that, the RSCS SNA control task will be terminated. All RSCS non-SNA activities continue to function normally.

Operator Action: Attempt to restart the RSCS/VTAM interface by using the RSCS NETWORK START command. Parameters on the command may have been entered incorrectly. If you wish to attempt this before the RETRY count is exhausted, you must first issue an RSCS NETWORK HALT command to cancel the RETRY attempts. If the problem persists, notify local RSCS and VTAM support personnel.

Destination: NCO, R

ccw the first CCW (two fullwords) of the I/O operation in error if it failed to start, or the last CCW fetched by the channel before the I/O operation terminated with an error indication. If the first byte of the *ccw* is X'29', an auto-dial link has detected an error when attempting to dial out.

System Action: The error is logged, and appropriate recovery procedures are taken. The exact effect of the I/O error condition depends on the conditions existing when it occurs. The system may continue processing normally or the link may be automatically deactivated.

Operator Action: This message may indicate a serious system or hardware error, or it may indicate common conditions such as intervention required. If the message is issued unexpectedly, notify local RSCS support personnel. An intervention-required condition on a virtual output device indicates that the CP spool space is exhausted. This results in the termination of the link driver that has issued this message, or the termination of link transaction logging if the error is associated with the log virtual output device. If this problem occurs frequently, notify CP support personnel to provide for the definition of additional spool space.

Destination: CO, R

061E VTAM ACB cannot be closed -- error *cc*

Explanation: This message is issued by the RSCS/VTAM interface task in response to an RSCS NETWORK HALT or SHUTDOWN command when the ACB cannot be closed. Error *cc* is the (hexadecimal) VTAM CLOSE macro return code. See the *ACF/VTAM Programming* book listed in the "Bibliography" on page 133.

System Action: The RSCS/VTAM interface task will be terminated. The RSCS system continues to function normally.

Operator Action: The RSCS/VTAM interface task has been terminated, but VTAM has indicated that an error occurred when attempting to close the ACB. Notify local RSCS and VTAM support personnel.

Destination: NCO, R

069E I/O error *vaddr* SSHCC *cc* SCSW *scsw* Sense *sense* CCW *ccw*

Explanation: An RSCS task has detected an uncorrectable hardware or system error during an I/O operation. The causes of such an error vary, depending on the particular device type and command code. The following fields represent hexadecimal values.

vaddr the virtual device address of the I/O device on which the error occurred.

cc the condition code resulting from the issuing of the SSCH command on the device for the operation that was in error.

scsw the composite SCSW (three fullwords) associated with the operation in error. The composite SCSW is a logical OR-ing of the SCSW information associated with the SSCH or the interrupts from the device while the I/O operation was active.

sense the sense information associated with the I/O operation in error if the I/O operation ends with unit check set on.

070E I/O error on link *linkid* *vaddr* SSSHCC *cc* SCSW *scsw* Sense *sense* CCW *ccw*

Explanation: A message of this format is issued by any RSCS task that detects an uncorrectable hardware or system error during an I/O operation. The causes of such an error vary, depending on the particular device type and command code. The fields described below are hexadecimal.

vaddr the virtual device address of the I/O device on which the error occurred.

cc the condition code resulting from the issuing of the SSCH command on the device for the operation that was in error.

scsw the composite SCSW (three fullwords) associated with the operation in error. The composite SCSW is a logical OR-ing of the SCSW information associated with the SSCH or the interrupts from the device while the I/O operation was active.

sense the sense information associated with the I/O operation in error if the I/O operation ends with unit check set on. See Table 1 on page 8 for the meanings of the sense information.

ccw the first CCW (two fullwords) of the I/O operation in error if it failed to start, or the last CCW fetched by the channel before the I/O operation terminated with an error indication. If the first byte of the *ccw* is X'29', an auto-dial link has detected an error when attempting to dial out. See the notes in Table 1 on page 8 for the meanings of the sense information.

System Action: The error is logged, and appropriate recovery procedures are taken. The exact effect of the I/O error condition depends on the conditions existing when it occurs. The system may continue processing normally or the link may be automatically deactivated.

Operator Action: This message may indicate a serious system or hardware error, or it may indicate common conditions such as intervention required. If the message is issued unexpectedly, notify local RSCS support personnel.

An intervention-required condition on a virtual output device indicates that the CP spool space is exhausted. This results in the termination of the link driver that has issued this message, or the termination of line transaction logging if the error is associated with the log virtual output device. If this problem occurs frequently, notify CP support personnel define additional spool space.

If sense bytes indicate anything other than “intervention required,” notify your local customer engineer.

Other messages that may give you additional information on this problem are 119E on page 14, 938E on page 71, and 956E on page 75.

For more information, see the *ESA/390 Principles of Operation* book.

Destination: R, SCO

Table 1. Sense Byte Meanings for Link Types

SENSE BYTE	NJE with BSC lines, RJE, MRJE	Or TN3270E and 3270P	Or Virtual Output Device
80	Command Reject ¹	Command Reject	Command Reject
40	Intervention Required ²	Intervention Required	Intervention Required
20	Bus-out Check	Bus-out Check	Bus-out Check
10	Equipment Check	Equipment Check	Equipment Check
08	Data Check	Data Check	Data Check
04	Data Over-run	Unit Specify	Parity Check
02	Lost Data ^{3 4}	Control Check	Load Check
01	Timeout ⁵	Operation Check	Channel 9
Note:			
¹ On an auto-dial link, no Automatic Calling Unit (ACU) is installed.			
² On an auto-dial link, ACU is powered off, or the modem is already occupied.			
³ On an MRJE-type link, may be caused by unequal transmitting and receiving buffer sizes.			
⁴ On an auto-dial link, a Data Set Ready condition was detected before the ACU had received all dial digits.			
⁵ On an auto-dial link, a phone call destination was busy or was not answered within 1 minute.			

071E VTAM error on link *linkid* LUNAME *luname* REQ=*nn* R15=*xx* R0=*yy* RTNCD-FDBK2=*cccc* SENSE=*ssss* *uuuu*

Explanation: Issued because a nonrecoverable VTAM error has occurred in a session driver task. The link is identified by *linkid* and the logical unit name is *luname*. The remainder of the message refers to fields that return information to RSCS from ACF/VTAM. It includes these hexadecimal fields:

nn a code, indicating which type of macro last used the request parameter list (RPL), in the RPL REQ field.

xx a general return code in register 15.

yy a specific return code in register 0.

cccc general and specific return codes in the RPL RTNCD and RPL FDBK2 fields, respectively.

ssss *uuuu* sense information; the first 2 bytes are contained, respectively, in the SSENSEI and SSENSMI fields of the RPL. The second 2 bytes are contained in the RPL USENSEI field.

The significance of these return codes and sense bytes are discussed in the *ACF/VTAM Programming* book, listed in the “Bibliography” on page 133.

Note: If R15=20 (the ACB is not OPEN), or if RTNCD-FDBK2=100D (ACF/VTAM is not active), all other information in the message could be irrelevant.

System Action: The exact effect of the error depends on the conditions existing when it occurred. In most cases, the link will be deactivated.

Operator Action: Attempt to restart the link if subsequent messages indicated that it was deactivated. If the problem persists, notify local RSCS and VTAM support personnel.

Destination: NCO, R

072E VTAM error REQ=*nn* R15=*xx* R0=*yy* RTNCD-FDBK2=*cccc* Sense=*ssss* *uuuu*

Explanation: Issued because a nonrecoverable VTAM error has occurred in the RSCS/VTAM interface task. The message refers to fields that return information to RSCS from ACF/VTAM. It includes these hexadecimal fields:

nn a hexadecimal code, indicating which type of macro last used the RPL, in the RPL REQ field.

xx a general return code in register 15.

yy a specific return code in register 0.

cccc general and specific return codes in the RPL RTNCD and RPL FDBK2 fields, respectively.

ssss *uuuu* sense information; the first 2 bytes are contained, respectively, in the SSENSEI and SSENSMI fields of the RPL. The second 2 bytes are contained in the RPL USENSEI field.

The significance of these return codes and sense bytes are discussed in the *ACF/VTAM Programming* book, listed in the “Bibliography” on page 133.

Note: If R15=20 (the ACB is not OPEN), or if RTNCD-FDBK2=100D (ACF/VTAM is not active), all other information in the message could be irrelevant.

System Action: The exact effect of the error depends on the conditions existing when it occurred. In most cases, the RSCS/VTAM interface task will be deactivated.

Operator Action: Attempt to restart the interface by using the RSCS NETWORK START command if subsequent messages indicated that it was deactivated. All SNA links will also have to be restarted. If the problem persists, notify local RSCS and VTAM support personnel.

Destination: NCO, R

073E {LOGON | LOSTERM | NSEXIT | RELREQ | SCIP} exit routine entered -- unknown {CID | RU | LUNAME} name ignored

Explanation: A VTAM exit routine (LOGON, LOSTERM, NSEXIT, RELREQ, or SCIP) in the RSCS/VTAM interface task has been entered. But, the incoming CID, RU, or LUNAME provided to the exit cannot be matched to any data in the RSCS internal control blocks. The *name* value identifies the specific CID, RU, or LUNAME that could not be matched.

System Action: Normal operation continues.

Operator Action: This message may indicate the beginning of a serious problem in the network; notify local RSCS and VTAM support personnel.

Destination: CP, NCO, R

074I Link *linkid* LUNAME *luname* being terminated -- NSEXIT entered with {CLEANUP | NSPE | NOTIFY} RU

Explanation: Issued because a network services request unit, CLEANUP, NSPE, or NOTIFY, has arrived for RSCS at the NSEXIT VTAM exit routine.

System Action: The affected link will be deactivated.

Operator Action: None.

Destination: R, SCO

075I RSCS/VTAM interface stopping -- TPEND exit entered -- reason code *n*

Explanation: Issued because ACF/VTAM has indicated to RSCS that it should terminate all SNA activity. The hexadecimal reason code, *n*, comes from VTAM. Refer to the *ACF/VTAM Programming* book, listed in the "Bibliography" on page 133.

System Action: The RSCS/VTAM interface task and all SNA links will be quiesced.

Operator Action: None.

Destination: CP, NCO, R

076E Data received for unknown session -- ignored

Explanation: Issued because the RECEIVE ANY macro instruction in the RSCS/VTAM interface task has completed, but the accompanying CID cannot be matched to any active session.

System Action: Normal operation continues.

Operator Action: Because this may indicate the beginning of a serious problem in the network, notify local RSCS and VTAM support personnel.

Destination: NCO, R

077I Link *linkid* LUNAME *luname* being terminated -- LOSTERM exit entered -- reason code *cc*

Explanation: The session associated with the identified *linkid* and *luname* was disrupted or received a conditional terminate request. See the *ACF/VTAM Programming* book, listed in the "Bibliography" on page 133, for an explanation of the hexadecimal reason code (*cc*).

System Action: The session is deactivated.

Operator Action: None.

Destination: R, SCO

078E IPDS Error on link *linkid* sense = *ssssss*

Explanation: A NACK has been received for an IPDS transmission. The sense code returned in the message indicates the specific IPDS error. The complete set of IPDS sense codes are provided in the *4224 Printer Product and Programming Description* book listed in the "Bibliography" on page 133.

System Action: Normal system operation continues.

Operator Action: None.

Destination: FO, R, SCO

079E IPDS Error on link *linkid* LUNAME *luname* sense = *ssssss*

Explanation: A NACK has been received for an IPDS transmission. The sense code returned in the message indicates the specific IPDS error. The complete set of IPDS sense codes are provided in the *4224 Printer Product and Programming Description* book listed in the "Bibliography" on page 133.

System Action: Normal system operation continues.

Operator Action: None.

Destination: FO, R, SCO

080E ABEND {*Unnn* | *Snnn*} on link *linkid*

Explanation: The affected link, identified by *linkid*, has been terminated because of a failure either in RSCS or GCS. *Unnn* indicates an RSCS abend code of *nnn*; *Snnn* indicates a GCS abend code of *nnn*. See "Abend Codes" on page 103 for more information.

System Action: The affected link has been deactivated. Under appropriate circumstances, a dump will automatically be taken. Normal operation for other links is not affected.

Operator Action: Process the dump using the Dump Viewing Facility. For more information, see the *VM/ESA: Dump Viewing Facility* book and the *VM/RSCS: Diagnosis Reference*. Submit the dump and the console output to local RSCS support personnel.

Destination: R, SCO

081I Program Status Word = *xxxxxxx xxxxxxxx*
RSCS was loaded from *nnnnnnnn* to *nnnnnnnn*

Explanation: A user abend has occurred in a link driver task or a supervisor task. The message indicates the contents of the Program Status Word (PSW) when the user abend occurred and the range in which the RSCS load library was loaded.

System Action: Normal abend processing continues, ultimately culminating in message 080E, 090T, or 095E being issued.

Operator Action: Retain the information displayed in the message as it may be sufficient information to determine the cause of the problem. This message is always issued in conjunction with messages 080E, 090T, or 095E.

Destination: R

082I Program Status Word = xxxxxxxx xxxxxxxx
R0 - R3 = xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
R4 - R7 = xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
R8 - R11 = xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
R12 - R15 = xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
RSCS was loaded from nnnnnnnn to nnnnnnnn

Explanation: A system abend has occurred in a link driver task or a supervisor task. The message indicates the contents of the Program Status Word (PSW), the general registers when the system abend occurred, and the range in which the RSCS load library was loaded.

System Action: Normal abend processing continues; message 080E, 090T, or 095E will also be issued with this message.

Operator Action: Retain information displayed in the message; it may indicate the cause of the problem.

Destination: R

083E Socket error on link linkid request=request return code=rc error number=errno (description)

Explanation: This message is issued when a TCP/IP line driver detects an unrecoverable socket error.

linkid The link identifier of the link detecting the error.

request The socket function request issued when the error was detected.

Note: INITIALIZE is an RSCS unique socket function.

rc The return code from the socket call, which may have one of the following values:

- 1 A TCP/IP error has occurred
- < 1096 This is a GCS or CP IPR code from an IUCV error. Subtract 1000 from the value to determine the IPR code; for example, if the *rc* is 1013, the IPR code is 13.
- > 1096 The value is the address of the IUCV interrupting IPARML; in this case, message DMT192E will also be issued.

errno The TCP/IP error number from the socket call.
description The textual description corresponding to the error number.

System Action: The error is logged and the named RSCS link is deactivated.

Operator Action: Attempt to restart the link, if appropriate. If the problems persists, start local diagnostic procedures. The TCP/IP VM return code and error number may contain more information about the TCP/IP socket function problem and will be useful when contacting support personal. For more information about the specific error, see the *TCP/IP for VM: Programmer's Reference*. If the return code is an address of the IUCV interrupting IPARML, or a GCS return code, refer to the *VM/ESA CP Programming Services* and *VM/ESA Group Control System* manuals for the specific IUCV problem.

Destination: R, SCO

086E Link linkid could not be attached

Explanation: An attempt was made to start a link whose type was defined by using the LINKTYPE statement. GCS cannot find the entry point identified on the LINKTYPE statement, and the link driver cannot be loaded.

System Action: The link is not started, and normal RSCS processing continues.

Operator Action: Check to see if the entry point name specified on the LINKTYPE statement for the link type used with the link is correct. You also need to check that the load library containing the entry point has been identified to GCS by using a GLOBAL command and that the entry point name has been made visible to GCS by using an alias entry, a name entry, or an invocation of the IDENTIFY macro.

Destination: CO, R

090T ABEND {Unnn | Snnn} in supervisor task name -- task terminated

Explanation: The supervisor task named *name* has been terminated because of a failure either in RSCS or GCS. *Unnn* indicates an RSCS abend code of *nnn*; *Snnn* indicates a GCS abend code of *nnn*. See "Abend Codes" on page 103 for more information.

System Action: A dump will automatically be taken. In case of a system abend, RSCS will be deactivated and message 091T or 092T will be issued.

Operator Action: Notify local RSCS support personnel. If the name of the failing task is "DMTSCCT", and messages 091T and 092T are *not* issued, try issuing the RSCS NETWORK START command again.

Destination: CP, R

091T Initialization failure -- RSCS Networking terminated

Explanation: Errors have occurred during RSCS initialization. Other messages may have been previously issued describing the error. This problem is most likely to occur if RSCS has been modified or configured incorrectly.

The GCS "Ready" response that follows this message will contain one of the following return codes. (If the RSCS INIT command was invoked from within a GCS EXEC, the return code will be returned to the exec and can be tested there.)

- 4 Either a command other than INIT has been issued or it contained extra operands.
- 8 The GCS IDENTIFY macro instruction, issued during RSCS initialization, has failed.
- 12 Module DMTIRX has detected a terminal error condition while processing the RSCS configuration file, or an Exit 0 routine indicates that RSCS should not initialize. See the *VM/RSCS: Diagnosis Reference* for more information.
- 16 An RSCS system task module, DMTAST, DMTAXM, DMTEXE, or DMTREX has detected a terminal error condition.
- 20 An RSCS system task module DMTAST, DMTAXM, DMTEXE, or DMTREX has terminated abnormally.

System Action: RSCS initialization processing will be terminated, and the RSCS system will be quiesced.

Operator Action: Notify local RSCS support personnel.

Destination: CP, R

092T Supervisor failure -- RSCS Networking terminated

Explanation: A supervisor task has been terminated because of a failure either in RSCS or in the supporting operating system.

System Action: RSCS will be deactivated.

Operator Action: Notify local RSCS support personnel.

Destination: CP, R

093T Cannot connect to message system service, {IUCVCOM | IUCVINI} error, code=nnnn

Explanation: During RSCS initialization, an error occurred in attempting to connect to the CP *MSG system service for receipt of commands by using IUCV. A completion code of *nnnn* was returned from the GCS IUCVINI or IUCVCOM macros. See the *VM/ESA: Group Control System* reference for more information.

System Action: RSCS initialization processing will be terminated, and the RSCS system will be quiesced.

Operator Action: Attempt to restart RSCS by issuing the RSCS INIT command. If this problem persists, notify local RSCS and VM support personnel.

Destination: CP, R

094T RSCS Networking must be reloaded

Explanation: Issued after the abnormal termination of RSCS because of a system task abend. If a subsequent attempt is made to enter any RSCS commands, this message will be issued again for each command received.

System Action: The RSCS system is no longer active.

Operator Action: Notify local RSCS support personnel. Remove the RSCS load module from the system by issuing the GCS HX command. Then, reload it by using the GCS LOADCMD command. You may now attempt to restart RSCS using the RSCS INIT command.

Destination: CP, R

095E ABEND {U_{nnn} | S_{nnn}} -- port *vaddr* disabled

Explanation: An auto-answer task that was controlling the port identified by *vaddr* has been terminated because of a failure either in RSCS or in the supporting operating system. *U_{nnn}* indicates an RSCS abend code of *nnn*; *S_{nnn}* indicates a GCS ABEND code of *nnn*. See "Abend Codes" on page 103 for more information.

System Action: The affected port will be disabled and a dump will automatically be taken. Normal operation of other ports is not affected.

Operator Action: Notify local RSCS support personnel.

Destination: CP, R

096T Virtual Machine mode or CP/CGS release level incorrect

Explanation: An attempt was made to initialize RSCS in a 370 mode virtual machine or under on incorrect level of VM/ESA or GCS.

System Action: RSCS initialization processing ends and the RSCS system is quiesced.

Operator Action: Ensure that RSCS is initialized in an ESA-mode virtual machine. Also, RSCS must be installed on a system running VM/ESA Version 1 Release 2.1 or later.

Destination: CP, R

099E Undefined message *nnn* requested

Explanation: An RSCS module or an exit module called the message builder to issue the message indicated above. The message had not been defined in the RSCS message table or the exit module's message table.

System Action: The message request is ignored, and normal RSCS processing continues.

Operator Action: If the message request was from an exit routine, correct the routine to use a different message number or define the missing message in the routine's message table. If the message request was from an RSCS routine, notify local RSCS support personnel.

Destination: R

100I RSCS Networking terminated

Explanation: RSCS has been normally terminated by the RSCS SHUTDOWN command.

System Action: The RSCS system is no longer active.

Operator Action: None.

Destination: CP, P, R, V

101I File *spoolid* (*origid*) enqueued on link *linkid*

Explanation: This message is issued when the file identified by *spoolid*, origin *spoolid* *origid*, has arrived at the RSCS virtual machine and has been successfully accepted and enqueued on the link identified by *linkid*.

Note: When a file is spooled to CP, it assigns a *spoolid* to the file. If RSCS is running on VM/SP HPO Release 4.2, VM/SP Release 5 or later, CP assigns a second, different, *spoolid* when the file is transferred to RSCS for transmission. This second *spoolid*, which is the same as the *origid* at this node, is included in the 101I message when it is sent to the file originator.

System Action: The newly accepted file is made available to the link driver for future transmission. If the link driver is waiting for a file to transmit, it is notified that the new file is available.

Operator Action: None.

Destination: V

102I File *spoolid* accepted for transmission to *locid* (*userid*)

Explanation: This message is issued to the originator of a file when the file is received in the local RSCS machine's reader. The ACCMSG operand on the OPTION statement or origin user tag must have been set to "yes" to cause RSCS to send this message.

System Action: RSCS queues the file for transmission on all appropriate links and continues normal operation.

Operator Action: None.

Destination: FO

103E File *spoolid* (*origid*) rejected -- invalid destination address

Explanation: The file identified by *spoolid* and origin-*spoolid* *origid* has arrived at the RSCS virtual machine bearing a destination address that is invalid. That is, the destination address specifies a location ID that is not defined in the local RSCS as either a link or an indirect route.

System Action: If the file originated from a local VM user, it is transferred back to the originator along with this message. If the file originated at a remote location, it is purged and this message is sent to the originator.

User Action: If the file is transferred back from RSCS, correct the tag on the file to be transmitted by using the CP TAG FILE *spoolid* command to reflect a correct destination; then, transfer the file back to the RSCS virtual machine by using the CP TRANSFER *spoolid* TO *vmid* command. If the file is purged because it arrives at a location that does not have the destination location ID defined, report the situation to local RSCS support personnel.

Destination: V

104I File (*origid*) {spooled | transferred} to *userid1* -- origin *locid* (*userid2*) *mm/dd/yy hh:mm:ss zzz*

Explanation: A file has been received from a remote location, acknowledged, written to the VM spool system, closed, and spooled to the local virtual machine to which the file was addressed. Or, a file has been transferred to the local virtual machine from another virtual machine on the same system.

origid the originating VM spool file identifier or the file's origin job number.

userid1 the ID of the local virtual machine to which the file has been spooled or transferred.

locid the location identifier of the system where the file originated.

userid2 the identifier of the file originator's virtual machine, system, or device at the origin location.

mm/dd/yy the date of the file's origination at the origin location.

hh:mm:ss the time of day of the file's origination at the origin location.

zzz the time zone.

System Action: Normal processing continues.

Operator Action: None.

Destination: FO, R, V

105I File *spoolid* purged

Explanation: The file identified by *spoolid* has been purged from the system as a result of normal processing.

System Action: Normal processing continues.

Operator Action: None.

Destination: R

106I File *spoolid* missing -- dequeued from link *linkid*

Explanation: The file identified by *spoolid* could not be located in the RSCS virtual machine spool input file queue during an attempt to open the file for the link identified by *linkid*. This situation can arise when a user retrieves a file from the the RSCS spool queue using the CP TRANSFER *device spoolid* FROM *userid* command.

System Action: Normal processing continues.

Operator Action: No action is necessary. This message does not indicate an error condition.

Destination: R

108E System error reading spool file *spoolid*

Explanation: A return code reflecting a VM system error has been received in response to a read to the file identified by *spoolid*, or RSCS detected an error in the CCW chain contained within one of the spool file blocks (SPLINKS) belonging to the file.

System Action: The error is logged, the identified file is placed in a HOLD status, and link processing continues.

Operator Action: This message indicates a VM system error. Notify local system support personnel.

Destination: CP, R

109I File queue reordered

Explanation: As the result of an RSCS DEFINE, DELETE, REORDER, ROUTE, START, or LOOPING command, or as the result of a link activation or deactivation, the inactive file queue has been reordered to reflect the updated status of RSCS.

System Action: Each file enqueued by RSCS is reexamined and, if appropriate, requeued on a new link.

Operator Action: None.

Destination: R

110E File *spoolid* rejected -- invalid device type

Explanation: The file identified by *spoolid* has arrived at the RSCS virtual machine for transmission. The RSCS Spool Manager task has determined that the file was produced on a virtual spool device that is not supported by RSCS. The following spool device types are valid:

PRT	PUN	1403	1443	2540P
3203	3211	3262	3289E	3525
3800	3800-1	3800-3	4245	4248

System Action: The file and this message are transferred back to the originator.

User Action: If possible, redefine the spool device that produced the file and resend the file to RSCS.

Destination: V

111E User *userid* not in CP directory -- file (*origid*) spooled to SYSTEM

Explanation: RSCS received a file that was addressed to a local user *userid* that is not in the local VM system directory. Or, the specified user ID is the same as a link ID for a networking type link and there is no route defined for *USER*. The file had an origin spool file identifier of *origid*.

System Action: The received file is spooled to a real unit record device at the receiving location.

User Action: Submit the file again and specify the correct destination user ID.

Destination: CO

112E File *spoolid* (*origid*) rejected by RSCS accounting exit

Explanation: The file identified by *spoolid* and origin spool ID *origid* has arrived at the RSCS virtual machine for transmission. Exit 2 or 21 has determined that the file should not be transmitted.

System Action: If the file originated from a local VM user, it is transferred back to the originator along with this message. If the file originated at a remote location, it is purged, and this message is sent to the originator.

User Action: Check your local installation operating procedures to determine what factors are considered for rejecting a file, and alter the file if possible. For example, the local installation may restrict file transmission from certain classes of users or files that are larger than some predetermined size.

Destination: V

113I Link *linkid* print mount required class *cccc* form *ffffff* {auto | setup} mode

Explanation: The link has been started with auto or setup form selection specified, and RSCS requires a form to be mounted on a workstation or 3270 printer. The following descriptors are provided:

<i>linkid</i>	the link identifier of the workstation printer
<i>cccc</i>	the class(es) that the link is currently processing
<i>ffffff</i>	the file's operator form name
auto	file selection is in auto mode
setup	file selection is in setup mode, and a setup page will be printed, if desired.

System Action: The link driver that issued the above message will wait for the workstation operator to satisfy the mount request, ask for a different form to be processed, or print a setup page. If the mount request is satisfied, the active file for the link is printed and purged from the system, and a search is made for another file with the same form name as the file that just finished printing. If one is found, it will be transmitted to the workstation immediately, with no prompting message. If not, a search for a new form is made, and the prompting message is issued.

Operator Action: If the prompting message specified auto:

- Accept the forms mount request. This is done by mounting the required forms on the workstation printer and responding either READY *linkid* or START *linkid*.
- Ask RSCS for a different form, or terminate auto mode. This is done by entering the RSCS START command

with a different form name or with the manual or setup option. A new file may be selected.

- Drain the link with the RSCS DRAIN *linkid* command. The mount request will be canceled and the link will be drained.
- Flush the file that is waiting for the forms-mount request by using the command: FLUSH *linkid spoolid*. This may result in a new mount request if other files are waiting for selection.

If the prompting message specified setup:

- Accept the forms setup request. This is done by mounting the required forms on the workstation printer and responding READY *linkid*. A setup page will now print, after which the forms may be manually adjusted and aligned in the workstation printer. The RSCS READY *linkid* command can be again issued to verify forms alignment. After the alignment process has been completed satisfactorily, normal printing of the file can be resumed by entering the START *linkid* command.
- Ask RSCS for a different form, or terminate setup mode. This is done by issuing the RSCS START command with a different form name or with the manual or auto option. A new file may be selected.
- Drain the link with the RSCS DRAIN *linkid* command. The mount request will be canceled and the link will be drained.
- Flush the file that is waiting for the forms-mount request by issuing the FLUSH *linkid spoolid* command. This may result in a new mount request if other files are waiting for selection.

Destination: RS, SRCO

Note: This message is always routed to the workstation at *linkid* and to the last issuer of a START or READY command for *linkid*. If the PA1 or PA2 keys on a 3270 printer generate a START or READY command, the printer is considered to be the command originator. This message will subsequently be routed to only the printer, until an actual START or READY command is again issued.

114E Open {input | output} error on link *linkid* -- no virtual {storage | devices} available

Explanation: During normal link processing, the RSCS link driver task, identified by *linkid*, was unable to satisfy a spool file open request from the link driver controlling the link, identified by *linkid*, because there was insufficient virtual storage or spool devices available for allocation by RSCS.

System Action: If the open request was for an input spool file, the affected link driver is placed in a wait state. If the open request was for an output spool file, the affected link driver is terminated. If the open request was for an output spool file needed for the processing of an RSCS TRACE *linkid* LOG, ALL, or RECORDS command, the trace request is ignored and normal link processing continues.

Operator Action: If the link driver is in a wait state because of a failure to open an input file, the link may be reactivated by issuing an RSCS START *linkid* command without any other operands. If the link driver was terminated (failure to open an output file), attempt to restart the link later, when more virtual storage may be available. If an output file could not be opened for TRACE command processing, reissue the command. If this situation occurs regularly, correct it as follows:

- Increase the size of the RSCS virtual machine's storage prior to IPLing GCS, if virtual storage is insufficient.
- Reserve an additional channel for exclusive use by RSCS, if there are not enough spool devices.

Destination: R, SCO

115E User *userid* not in CP directory -- file (*origid*) enqueued on link *linkid*

Explanation: RSCS received a file that was addressed to a user ID which is either:

- Not defined in the directory for the local VM system, or
- The same as the link ID of a networking type link (NJE, SNANJE, or TCPNJE).

System Action: RSCS enqueued the file on the link specified in the message because you have a route defined using the *USER* operand of the ROUTE command or configuration file statement. The link ID specified on the *USER* operand is usually the name of a NOTIFY-type link. If this link was set up as a misdirected file handler (as described in the *VM/RSCS: Planning and Installation* book), the NOTIFY-type link may generate a note to the file originator giving instructions on how to handle the misdirected file.

User Action: If you receive a note from the NOTIFY-type link, follow the instructions in that note. If you do not receive a note, resubmit the file and specify the correct destination user ID.

Destination: CO

116I File (*origid*) transferred to *userid*

Explanation: Issued to the sender of a file that is directed to a user ID on the local system.

System Action: The file is transferred to the specified user ID.

User Action: None.

Destination: FO

117E File *spoolid* (*origid*) rejected -- invalid priority

Explanation: Issued to the sender of a file when an invalid priority (one other than 0 to 99) has been specified on the file's tag.

System Action: The file is transferred back to the sender or could be purged if the file's originator is not on the local system.

User Action: Use the CP TAG FILE command to correct the priority and transfer the file back to RSCS.

Destination: V

118E Device *vaddr* found on reserved channel

Explanation: During RSCS initialization, or during normal RSCS operation, a device was found to exist on the channel(s) reserved by the CHANNELS configuration file statement for the unit record device pool.

System Action: If found during initialization, RSCS initialization processing will be terminated, and the RSCS system will be quiesced. This message will be issued once for each device found. If found during normal operation, the device will be detached and normal operation will continue.

Operator Action: Notify the local RSCS support personnel to correct the RSCS configuration file so there are no conflicting device addresses.

Destination: R

119E Link *linkid* output spool error

Explanation: An error was detected during normal operation, while attempting to write to the CP spool system. The most common causes are:

- All available system spool space is filled.
- Maximum number of spool files has been reached for the RSCS user ID.

This message is preceded by message 070E, unless the spool error is for a transaction log file.

System Action: For an NJE-, SNANJE-, or TCPNJE-type link, the file being received will be rejected and normal link processing will continue. For other types of links, the link will be terminated. For an error on a transaction log file, the logging activity will be terminated, and normal link processing will continue.

Operator Action: This error condition should be reported to local RSCS and VM support personnel to correct the condition causing the RSCS spool error. Then if the link was terminated, attempt to restart the connection.

Destination: CP, R, SCO

120I File (*origid*) for *locido* (*userid*) rerouted to *locid* (*userid*)

Explanation: Issued to the sender of a file that is being rerouted. The file was originally addressed to *userid* at *locido*; it will now be addressed to *userid* at *locid*.

System Action: The file will be transmitted by RSCS to its new destination.

User Action: None.

Destination: FO

121E User *userid* not authorized to receive file

Explanation: Issued to the sender of the file that is being sent. This message indicates that CP could not spool the file to the destination user ID and returned to RSCS a return code 7 from the CP SPOOL command.

System Action: RSCS will spool the file to SYSTEM.

User Action: Check to see if a security package is installed on the receiving node that might prevent the destination user from receiving the file.

Destination: FO

122T TAG command failed rc= *return code* file *spoolid* (*origid*) Fatal error

Explanation: This message is issued to the file originator and the RSCS console when a CP TAG command fails. TAG failures can occur for several reasons, which are listed in the *VM/ESA: CP Command and Utility Reference*. A TAG failure may also occur in the following situation.

- When you issue a TAG command, CP may pass the command to RACF*. If the command fails, RACF may return a failure code of 8 (or greater) to CP. When this happens, most releases of CP provide a generic return code of 3 to indicate that the TAG command failed. However, in VM/ESA Version 1 Release 2.0 or later, CP

provides a specific return code of 6525 when RACF is unavailable.

System Action: The message will be followed by a user ABEND X'016'.

User Action: Try to resend the file specified in the error message.

Operator Action: Contact your local support personnel. The problem may be caused by RACF.

Destination: CO

123E CP error while accessing an RSCS reader file

Explanation: RSCS issues this message when there has been a CP error (CC=3 on a Diagnose code X'14' Subcode X'0FFE'), while trying to accept an RSCS reader file. A common cause of this problem is when CP places the file in SYSHOLD because of paging errors in the spooling area.

System Action: RSCS skips the file and continues on to the next file in the reader. Because RSCS has no information about the file causing the CP error (its origin, destination, or spool ID), there is no way for RSCS to identify the file in this message.

Operator Action: Purge or transfer any reader files that CP placed in SYSHOLD. (Be aware that this may not be the only cause of the problem.) If the problem persists, contact your local VM and RSCS support personnel.

Destination: CP, R

124E Device unsupported for file (*origid*) on link *linkid*

Explanation: The file identified by origin spool ID *origid* arrived at the RSCS virtual machine on link *linkid*. RSCS discovered that the file was produced on a virtual device that is not supported by VM at this node.

System Action: The file is rejected on the link and is placed in hold status by the transmitting node.

User Action: If possible, redefine the spool device that produced the file and send the file to RSCS again.

Operator Action: None.

Destination: FO, R

141I Line *vaddr* ready for connection to link *linkid*

Explanation: This message is issued by a line driver to inform the operator that the device identified by *vaddr* is being enabled for communications processing for the link identified by *linkid*. Normally, this is the first message issued by a line driver after link activation. The identified device can be a CTCA, or a 3270 printer, or a communications adapter with either a switchable or nonswitchable line.

System Action: The line driver begins an enable operation to the device and waits for completion, signalling a completed connection. The connection completes automatically when the communications hardware is properly configured and functional. Normal RSCS processing continues.

Operator Action: Usually, no response is needed. If the device is a communications adapter with a switchable line, complete the connection over the identified link (typically, dial and establish the connection).

Destination: R, SCO

142I Link *linkid* line *vaddr* dataset ready

Explanation: This message signals completion of the line connection for the link identified by *linkid* on the device address identified by *vaddr*. This message is issued when a nonswitchable communications adapter is enabled or when a connection is completed for a CTCA or a switchable communications adapter. This message does not necessarily indicate that any successful interaction with the remote station has taken place over the link.

System Action: Normal exchange of files, commands, and messages automatically begins if the telecommunication hardware and remote system are properly initialized and functioning correctly.

Operator Action: None.

Destination: R, SCO

143I Link *linkid* line *vaddr* disabled

Explanation: The virtual device address identified by *vaddr* and associated with the active link identified by *linkid* is now disconnected, having been connected prior to the message. This may be the result either of an apparent line disconnection due to line errors, or of a remote station disconnection, or of the execution of a disabling sequence by the local link driver during link deactivation.

System Action: The link will be deactivated.

Operator Action: None.

Destination: R, SCO

144I Receiving file (*origid*) on link *linkid* from *locid* (*userid*), records *nnnnnnnn*

Explanation: This message indicates that reception of a new file, on the link identified by *linkid*, from the remote location, identified by *locid*, and the user at that location, identified by *userid*, (if any) has begun. If the file being received has an origin spool file identifier, it is indicated by *origid*. For RJE-, MRJE-, and SNARJE-type links only, the number of records is indicated as an ellipsis (...).

System Action: File processing continues, and the new file is written to the VM spool system as it is received.

Operator Action: None.

Destination: R

145I Received file (*origid*) on link *linkid* to *locid* (*userid*)

Explanation: A new file has been completely received and acknowledged on the link identified by *linkid*. If the file being received has an origin spool file identifier or job number, it is indicated by *origid*. The file received is addressed to the location identified by *locid* and to the user at that location identified by *userid*. For *userid*, *MULTI* indicates that the file is addressed to more than one user.

System Action: If the file is addressed to the local location, it is spooled to the receiving user or queued for real output. If the file is addressed to another location, it is enqueued for transmission on the next links of its path. Normal link processing continues.

Operator Action: None.

Destination: R

146I Sending file *spoolid (origid)* on link *linkid* from *locid* (*userid*), records *nnnnnnnn*

Explanation: This message indicates that transmission has begun of a file on the link identified by *linkid*. The file being transmitted is identified by *spoolid (origid)*. The file was sent from the remote location and user identified by *locid (userid)*, and contains the number of records indicated by *nnnnnnnn*. The identified file has become active.

System Action: Transmission of the file will normally continue to completion. If the file transmission is interrupted by a system failure or telecommunication hardware failure, the file will be retained and retransmitted, either from the point of interruption or from the beginning, depending on variable system characteristics and error conditions.

Operator Action: None.

Destination: R

147I Sent file *spoolid (origid)* on link *linkid* to *locid (userid)*

Explanation: Transmission of the active file identified by *spoolid* on the link identified by *linkid* has successfully completed and acknowledged by the remote station. The file is addressed to the location identified by *locid* and to the user identified by *userid* at that location. The file's originating spoolid or job number is identified by *origid*. For *userid*, *MULTI* indicates that the file is addressed to more than one user.

System Action: Disposition of the identified file follows, according to the status of the file. Normally the file would be purged, unless multiple copies of the file are being sent to a remote work station or 3270 printer. Normal link processing continues.

Operator Action: None.

Destination: FO, R

148I Sent file *spoolid (origid)* to partial distribution on link *linkid* to *locid (userid)*

Explanation: Transmission of the active file, identified by *spoolid* on the link identified by *linkid*, has successfully completed and acknowledged by the remote system. However, the file is addressed to multiple destinations, and the file has not been sent to all of those destinations in this transmission. The file is addressed to the location identified by *locid* and to the user identified by *userid* at that location. For *userid*, *MULTI* indicates that the file is addressed to more than one location. The file's originating spool ID or job number is identified by *origid*.

System Action: The file is requeued to the link to allow transmission to the remaining destinations at a later time.

Operator Action: None.

Destination: R

151I Link *linkid* LUNAME *luname* ready for session initiation

Explanation: This message is issued by a session driver to inform the operator that the link identified by *linkid* is being enabled for communications processing to the session identified by *luname*. Normally, this is the first message issued by a session driver after link activation.

System Action: The session driver issues a VTAM OPNDST macro for the logical unit identified by *luname* and waits for completion, signalling a completed connection. Normal RSCS processing continues.

Operator Action: None.

Destination: R, SCO

152I Link *linkid* LUNAME *luname* session established

Explanation: This message signals completion of the link connection for the link identified by *linkid* to the session identified by *luname*. This message does not necessarily indicate that any successful interaction with the remote station has taken place on the connected link.

System Action: Normal exchange of files, commands, and messages automatically begins if the telecommunication hardware and remote system are properly initialized and functioning correctly.

Operator Action: None.

Destination: R, SCO

153I Link *linkid* LUNAME *luname* session terminated

Explanation: The link identified by *linkid* and associated with the active session, identified by *luname*, is now disconnected, having been connected prior to the message. This may be the result either of an apparent line disconnection due to line errors, or of a remote station disconnection, or of the execution of a disabling sequence by the local session driver during link deactivation.

System Action: The link will be deactivated.

Operator Action: None.

Destination: R, SCO

154I Link *linkid* autostart disabled

Explanation: A nonrecoverable error has occurred on the link identified by *linkid*, or the link was deliberately deactivated (for example, by use of the DRAIN command). The auto-start capability for the link has been disabled.

System Action: The link is terminated, and normal processing continues.

Operator Action: None.

Destination: R

155I Link *linkid* inactivity threshold reached -- link is being deactivated

Explanation: There has been no file activity detected on the auto-dial or auto-answer link *linkid* for the time specified by the link's ITO parameter.

System Action: The link is terminated, and normal processing continues. If the port was enabled for an auto-answer link, the port will be reenabled for future calls.

Operator Action: None.

Destination: R

156I Link *linkid* restart disabled

Explanation: A permanent-type error has occurred on the link identified by *linkid*, or the link was deliberately deactivated (for example, by use of the DRAIN command). The delayed restart capability for the link has been disabled.

System Action: The link is terminated and normal processing continues.

Destination: R

157I Link *linkid* restart attempt cancelled

Explanation: A link that was in a wait for a delayed restart has been deliberately deactivated by a DRAIN, STOP, or FORCE command. The link is identified by *linkid*.

System Action: The delayed retry attempt is canceled and normal processing continues.

Operator Action: None.

Destination: CO, R

162I Link *linkid* line *vaddr* printer ready

Explanation: This message signals completion of the line connection for the link identified by *linkid* on the 3270 printer address identified by *vaddr*.

System Action: Normal transmission of files, commands, and messages automatically begins if the printer hardware is properly initialized and functioning correctly.

Operator Action: None.

Destination: R, SCO

170I From *locid*: (*message text*)

Explanation: The character string, included in the message as *message text*, has been received from the remote location, identified by *locid*, and is addressed to the recipient. The message originated either from automatic remote system processing, or from the remote RSCS operator.

System Action: Normal RSCS processing continues.

Operator Action: None.

User Action: None.

Destination: P, V

171I From *locid* (*userid*): (*message text*)

Explanation: The character string included in the message as *message text* has been received from a user identified by *userid* at the location identified by *locid* and is addressed to the message recipient. The special keyword SYSTEM appears as the *userid* field when the message origin is the RSCS operator console.

System Action: Normal RSCS processing continues.

Operator Action: None.

User Action: None.

Destination: P, V

172I CPQ: (*command response*)

Explanation: The character string included in the message as *command response* has been received from a remote location and is addressed to the recipient. The message was generated as the result of a CPQUERY command execution.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

173I CP: (*command response*)

Explanation: The character string included in the message as *command response* has been received by RSCS and is addressed to the recipient. The message was generated as the result of a CP command execution.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

174I CPQ: CPU model: *aaaa*, processor identifier: *bbbbbb*

Explanation: This message is issued in response to an RSCS CPQUERY CPUID command, where *aaaa* is the CPU model number, and *bbbbbb* is the processor identifier.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

175I CP: Return code = *n*

Explanation: This message is sent by RSCS to the command originator of an RSCS CP command after all responses to the command have been sent. The return code in the message is the return code received from CP upon execution of the CP command.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

180I Link *linkid* unable to listen -- TCP port redirector down

Explanation: A TCPNJE-type link has attempted to start a TCP/IP socket listen for a remote node connect request. The listen request could not start because the port redirector task is not started on the local node.

System Action: Normal processing continues. If the remote node is able to listen for a connect request from the local node, the TCPNJE link communications will establish normally.

Operator Action: Enter the TCPIP START command to start the port redirector task. After the port redirector task has started, the indicated TCPNJE-type link must be drained and restarted to enable it to start a TCP/IP socket listen request.

Destination: CO, R

181I Link *linkid* ready for session initiation

Explanation: This message is issued by a TCP link driver to inform the operator that the link identified by *linkid* is ready to start its connection process. Usually, this is the first message issued by a TCP driver after link activation.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: R, SCO

182I Link *linkid* session established

Explanation: This message is issued by a TCP link driver when it has completed a connection to a remote host. This message does not necessarily indicate that any successful interaction with the remote host has occurred.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: R, SCO

183I Link *linkid* session terminated

Explanation: This message is issued by a TCP link driver when it is terminating a connection to a remote host. This may be the result of errors, remote host disconnection or the execution of a disabling sequence.

System Action: The link will be deactivated.

Operator Action: None.

Destination: R, SCO

184E NAK received on TCP -- Link *linkid* deactivated

Explanation: A TCPNJE-type link received a negative acknowledgement (NAK).

System Action: The link will be deactivated.

Operator Action: Attempt to restart the link, if appropriate. If the problems persists, start local diagnostic procedures.

Destination: R, SCO

185E Link name mismatch -- Link *linkid* deactivated

Explanation: During the exchange of control records on a TCPNJE-type link, the link name in the received control message did not match that expected.

System Action: The link will be deactivated.

Operator Action: Attempt to restart the link, if appropriate. If the problems persists, start local diagnostic procedures.

Destination: R, SCO

186E Invalid control message received -- Link *linkid* deactivated

Explanation: During the exchange of control records on a TCPNJE-type link, an invalid control record was received.

System Action: The link will be deactivated.

Operator Action: Attempt to restart the link, if appropriate. If the problems persists, start local diagnostic procedures.

Destination: R, SCO

187E Open control message received -- Link *linkid* terminated

Explanation: While a TCPNJE-type link was in connected state, a request to open a connection was received from the remote host. This generally occurs when there has been a network outage or when the host at the other end has had a failure and the link is being restarted.

System Action: The link will be deactivated.

Operator Action: Attempt to restart the link, if appropriate. If the problems persists, start local diagnostic procedures.

Destination: R, SCO

188E Link *linkid* unable to listen on port *port* error number=*errno* (*description*)

Explanation: This message is issued when a TCPNJE link driver cannot listen on a port for incoming connections.

linkid Link identifier of the link detecting the error

port Port number to which the link is trying to listen

errno TCP/IP error number

description Textual description corresponding to the error number

System Action: The link will be unable to accept incoming connections until the indicated problem is resolved. If the link is connected, it will remain connected; if it is attempting to connect it will continue to attempt to connect.

Operator Action: Attempt to restart the link, if appropriate. If the problems persists, start local diagnostic procedures. The TCP/IP VM return code and error number may contain more information about the TCP/IP socket function problem and will be useful when contacting support personal. For more information about the specific error, see the *TCP/IP for VM: Programmer's Reference*.

Destination: R, SCO

189E Session closed by peer -- link *linkid* terminated

Explanation: The remote host closed the connection.

System Action: The link will be deactivated.

Operator Action: Attempt to restart the link, if appropriate. If the problems persists, start local diagnostic procedures.

Destination: R, SCO

190I Socket error on link *linkid* (*description*) -- retrying

Explanation: A non-fatal socket error occurred while trying to establish a connection on the indicated link. The *description* is the text that corresponds to the error number.

System Action: The system will continue to attempt to connect the link. Another message will be produced only if the connection fails for another reason.

Operator Action: None; if the problem persists, start local diagnostic procedures. If the TCP/IP link will not connect, some possible reasons are:

- The TCP/IP port number is not correct
- A TCPNJE link has not been started on the local and remote nodes
- The IP address is not correct (a local TCPNJE-type link must specify the IP address of the target remote node)
- For TCPNJE-type links, the port redirector task has not started on the remote node.

Destination: R, SCO

1911 NAK control message received on link *linkid* (description) -- retrying

Explanation: A NAK control message was received from the peer system during connection processing. The *description* is the text that corresponds to the error number.

System Action: The system will continue to attempt to connect the link. Another message will be produced only if the connection fails for another reason.

Operator Action: None; if the problems persists, start local diagnostic procedures.

Destination: R, SCO

192E IUCV Interrupt IPARML = xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx

- xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx
- xxxxxxxx xxxxxxxx

Explanation: An IUCV error has occurred while processing a TCP/IP socket function. The interrupt IPARML is displayed.

System Action: The associated RSCS link is deactivated.

Operator Action: Attempt to restart the link, if appropriate. If the problem continues, start local diagnostic procedures. For more information about IUCV IPARML, see the *VM/ESA: CP Programming Services* and *VM/ESA: Group Control System* books.

Destination: R, SCO

193I Link *linkid* {connecting to | disconnecting from | unable to connect to} host *ip-address* port *port* {printer *printer* |user *username*}

Explanation: This message is issued when an LPR- or UFT-type link attempts to connect to, disconnect from, or has been unable to connect to, the indicated host. "Connecting to" indicates a file has arrived on the link to be transmitted. "Disconnecting from" indicates the file is finished processing. "Unable to connect to" indicates the link has been defined with the the **FILEhold=Yes** parameter and has attempted for approximately 1 minute to connect with the indicated host.

linkid Link identifier of the LPR- or UFT-type link sending the file.

ip-address IP address of the host to which the link is connecting, disconnecting, or unable to connect to.

port Port number to which the link is connecting, disconnecting, or unable to connect to.

printer Name of the printer queue on the host where the file will be sent for LPR-type links.

username Name of the user ID on the host where the file will be sent for UFT-type links.

System Action: Normal RSCS processing continues. If the link was unable to connect to the indicated host, the file being processed is put on hold.

Operator Action: If the link was defined with the **FILEhold=Yes** parameter, an entry should be included in the

RSCS event file to periodically change all held files for the indicated link to NOHOLD.

Destination: R, SCO

194E Link *linkid* parameter not set by exit; file held

Explanation: An LPR- or UFT- type link driver has received a file but the host address, port number, or printer name parameter was not specified for the link. These parameters may be missing from the START command or the PARM configuration file statement for the link. A programming error in the LPR- or UFT- exit routine for this link may also have caused a problem with one or more of these parameters.

linkid Link identifier of the LPR- or UFT- type link sending the file.

parameter Name of the required parameter that was not set.

System Action: The file is held on the link and normal RSCS processing continues.

Operator Action: Notify local RSCS support personnel.

Destination: R, SCO

195E Link *linkid* received NAK from host; file held [NAK message= *message*]

Explanation: An LPR- or UFT- type link driver attempted to send a file to a host system but the host system has rejected the file.

linkid Link identifier of the LPR- or UFT- type link sending the file.

message Some host systems will return a message to indicate the reason for the NAK.

System Action: The file is held on the link and normal RSCS processing continues.

Operator Action: None; if the problem persists, start local diagnostic procedures.

Destination: R, SCO

196E Link *linkid* byte count on pass 2 (*count2*) does not match pass 1 (*count1*); file held

Explanation: An LPR-type link that was defined with the **PASS=2** parameter attempted to send a file to a host system. However, the file byte count from pass 1 does not match the byte count on pass 2. This may be caused by a programming error in the LPR exit routine associated with this link.

linkid Link identifier of the LPR-type link sending the file.

count1 Byte count obtained from the first pass though the file.

count2 Byte count obtained from the second pass though the file.

System Action: The file is held on the link and normal RSCS processing continues.

Operator Action: Start local diagnostic procedures to determine the problem with the exit routine.

Destination: R, SCO

197E Link *linkid* control file size exceeds 4096 bytes

Explanation: The LPR- type link, *linkid*, attempted to send a file to a host. However, the exit module for this link produced a control file larger than 4096 bytes. This problem may be caused by a programming error in the exit module.

System Action: The file is closed and the link is deactivated.

Operator Action: Notify local RSCS support personnel.

Destination: R SCO

198E Link *linkid* required parameter *keyword* not specified or blank

Explanation: A parameter that is required for an LPR- or UFT- type link was not specified or was specified as a blank string. The *linkid* identifies the LPR- or UFT- type link; the *keyword* indicates the required parameter.

System Action: The link is deactivated.

Operator Action: Enter the RSCS START command again and specify the required PARM operands for the link.

Destination: R SCO

199I Link *linkid* IUCV connect error to TCP/IP machine *userid* {not logged on | not running | SEVERed RSCS} -- retrying

Explanation: A non-fatal error occurred while trying to establish an IUCV connection to the virtual machine that is running TCP/IP. The virtual machine may not be logged on. If the virtual machine is logged on, it has not issued the IUCV declare buffer to allow IUCV communications with other virtual machines, or TCP/IP SEVERed RSCS during link initialization.

System Action: The system will continue to attempt to connect to the virtual machine running TCP/IP. Another message will be produced only if the reason for the connect failure changes.

Operator Action: Ensure the virtual machine is logged on. If the problem continues, start local diagnostic procedures.

Destination: R, SCO

200I RSCS Networking Version 3, Release *n.n-nnnn*

Explanation: This message is issued in response to an RSCS QUERY SYSTEM LEVEL command or to a null line issued as an RSCS command. A null line contains no characters. The *n.n-nnnn* is the release and service level of the RSCS system.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

201E Invalid command *command*

Explanation: The character string identified by *command* was issued as an RSCS command. The command is not a defined RSCS command or a valid abbreviation of a defined RSCS command.

System Action: The command is ignored and normal processing continues.

Operator Action: Correct the command in question and reissue it.

Destination: CO

202E Invalid link *linkid*

Explanation: The character string identified by *linkid* was entered as an RSCS link ID and does not conform to syntactical requirements for RSCS link IDs (it is not one to eight characters), or, if entered by an authorized alternate operator, it does not match a link ID for which the alternate operator is authorized. The link ID parameter is required for all authorized alternate operators. However, link-authorized alternate operators must always specify those link IDs for which they have been specifically authorized even when handling their own files on links that they are not authorized for.

System Action: The command is ignored and normal processing continues.

Operator Action: Correct the command in question and issue it again. Direct questions that concern authorization for command execution to local RSCS support personnel. Nonauthorized users should contact the RSCS operator for any special line, file, or routing requests.

Destination: CO

203E Invalid spool ID *spoolid*

Explanation: The character string identified by *spoolid* was entered as a spool file identifier in a command, but it does not conform to syntactical requirements for VM spool file identifiers

This message could also indicate an invalid command format if it is issued as a result of the transfer command.

System Action: The command is ignored, and normal processing continues.

Operator Action: Enter the command again, if it was incorrect.

Destination: CO

204E Invalid keyword *keyword*

Explanation: The character string identified by *keyword* was issued as a keyword in a console command input string, but it is not a valid keyword for the command issued.

System Action: The command is ignored and normal processing continues.

Operator Action: See the *VM/RSCS: Operation and Use* book for command syntax and restrictions. Enter the command again, if it was incorrect.

Destination: CO

205E Conflicting keyword *keyword*

Explanation: The keyword identified by *keyword* was used in the preceding command in an invalid way. The keyword may have been issued more than once in the same command line, or the keyword may be invalid because another mutually exclusive keyword was issued in the same command.

System Action: The command is ignored and normal processing continues.

Operator Action: See the *VM/RSCS: Operation and Use* book for command syntax and restrictions. Enter the command again, if it was incorrect.

Destination: CO

206E Invalid option *keyword option*

Explanation: The combination of a keyword and its option identified by *keyword option* was issued in a console command line, but it is not a valid combination for the command issued.

System Action: The command is ignored and normal processing continues.

Operator Action: See the *VM/RSCS: Operation and Use* book for command syntax and restrictions. Enter the command again, if it was incorrect.

Destination: CO

207E Conflicting option *keyword option*

Explanation: The combination of a keyword and its option identified by *keyword option* was used in the preceding command in an invalid way. The presence of another keyword or keyword-and-option combination in the same command may preclude specification of the identified keyword-and-option combination.

System Action: The command is ignored and normal processing continues.

Operator Action: See the *VM/RSCS: Operation and Use* book for command syntax and restrictions. Enter the command again, if it was incorrect.

Destination: CO

208E Invalid user ID *userid*

Explanation: The operand identified by *userid* was issued in an RSCS command as an interactive user ID, but it is invalid as such. Valid interactive user IDs contain one to eight nonblank valid EBCDIC characters.

System Action: The command is ignored, and normal processing continues.

Operator Action: Enter the command again, if it was incorrect.

Destination: CO

209E Restricted {command | option} *cccccc*

Explanation: An attempt was made to execute the command or use the option identified in the message. The originator of the command lacks authorization to use the specified command or option.

System Action: The command has no effect, and normal processing continues.

Operator Action: Enter the command again, if it was incorrect. Direct questions concerning authorization for command execution to local RSCS support personnel. Nonauthorized users should contact the RSCS operator for any special line, file, or routing requests.

Destination: CO

210E Invalid location *locid*

Explanation: A previously issued command specified, as its object, a location ID identified by *locid* that was not valid. The invalid location ID may have contained more than eight characters or may have contained no characters at all or may not be defined to the local RSCS system.

System Action: The command is ignored and normal processing continues.

Operator Action: Enter the command again, if it was incorrect.

Destination: CO

211E Invalid option *keyword option1 option2*

Explanation: The combination of a keyword and its options identified by *keyword option1 option2* was issued in a console command line, but it is not a valid combination for the command issued.

System Action: The command has no effect and normal processing continues.

Operator Action: See the *VM/RSCS: Operation and Use* book for command syntax and restrictions. Consult the RSCS command documentation, and issue a valid command.

Destination: CO

212E Link *linkid* **invalid data received, connection closed**

Explanation: This message is issued when one of the following conditions occurs:

- While receiving data from a TCP/IP line print router (LPR) client a positive acknowledgement was not received when expected
- A response message was not received from a TCP/IP Unsolicited File Transfer (UFT) daemon when expected.
- The last byte of the data file received from a TCP/IP LPR client did not contain all zero bits.
- An invalid control file record was received from a TCP/IP LPR client.
- An invalid control file record was received from a TCP/IP LPR client.

System Action: The file received is purged and the connection with the TCP/IP line print router is closed.

Operator Action: If the problem persists, start local diagnostic procedures to determine why the TCP/IP line print router is sending invalid data.

Destination: R, SCO

213I Link *linkid* **{accepted | closed} connection from host** *ip-address port port*

Explanation: This message is issued when an LPD- or UFTD- type link has accepted a connect request or has been disconnected from a TCP/IP line print router or UFT client.

Accepted Specifies a request has been made to receive a file from a TCP/IP line print router or UFT client.

Closed Specifies the TCP/IP line print router or UFT client has closed the connection.

linkid Specifies the link identifier of the LPD- and UFTD- link receiving the file.

ip-address Specifies the IP address of the TCP/IP line print router or UFT client.

port Specifies the remote port number the TCP/IP line print router or UFT client is using.

System Action: Normal RSCS processing continues.

Operator Action: None

Destination: R

214I Link *linkid* accepted request to print on queue *queue-name*

Explanation: This message is issued when an LPD- type link has received and accepted a *receive print job* print command from a TCP/IP line print router.

System Action: Normal RSCS processing continues.

Operator Action: None

Destination: R

215I Link *linkid* response message requested by {data | control | command} exit, message=*message*

Explanation: One of the following return codes was provided by the exit routines while a LPD- or UFTD-type link was processing a data stream from a TCP/IP line print router or unsolicited file transfer client, a return code of:

- 8 was returned by the data processing exit routine for a LPD-type link.
- 8 was returned by the control file exit routine for a LPD-type link.
- 12 was returned by the data processing exit for a UFTD-type link.
- 8 or 12 was returned by the UFT command processing exit for a UFTD-type link.

This return code requests RSCS to send a negative response message provided by the exit routine to the TCP/IP LPR or UFT client.

linkid Specifies the link identifier of the link receiving the file.

message The negative response message returned by the exit routine.

System Action: The negative response message is sent to the TCP/IP LPR or UFT client, the spool file is purged if created, and the connection with the TCP/IP client is closed.

Operator Action: If the problem persists, start local diagnostic procedures to determine why the exit is sending a negative response message.

Destination: R

216E Command rejected -- RSCS is not initialized

Explanation: A command other than INIT was issued immediately after loading RSCS into storage or after RSCS was terminated by using an RSCS SHUTDOWN command.

System Action: The command is ignored.

Operator Action: Start RSCS by using the RSCS INIT command, then, enter the desired command again.

Destination: CO

217E Command rejected -- RSCS is already initialized

Explanation: An INIT command was issued, but RSCS has been already initialized.

System Action: The command is ignored, and normal processing continues.

Operator Action: None.

Destination: CO

218E Insufficient storage to process {command | statement}

Explanation: This message is issued in response to a DEST, PORT, ROUTE, SET, SETMSG, or SLOWDOWN command if RSCS is unable to obtain storage for a new PORT, NODE, ROUTEGRP, MONITENT or slowdown vector. It may also be issued in response to an ITRACE command or statement if RSCS is unable to obtain storage for a byte map of trace settings for a particular task.

System Action: The command or statement is ignored, and normal processing continues.

Operator Action: If the message was issued in response to a command, enter the command again. If the message was issued in response to a ITRACE statement, issue a comparable ITRACE command after RSCS initializes. If the problem persists, notify local support personnel to allocate more storage to the RSCS virtual machine in the VM directory.

Destination: CO

219E Invalid group *groupid*

Explanation: An RSCS statement or command made reference to an undefined routing group *groupid*.

System Action: The command or statement is ignored, and normal processing continues.

Operator Action: Verify that the *groupid* was typed correctly. If the spelling is correct, the *groupid* has not been defined. Correct the command or statement, and issue it again.

Destination: CO

220E Maximum number of {links | destinations | exit names | spoolids | message numbers | channel addresses | retry intervals} exceeded

Explanation: The number of links, destinations, or exit names entered on a single command or statement is limited to 128. The number of spool IDs, message numbers, or channel addresses specified on a single command or statement is limited to 80. The number of retry intervals entered on a RETRY statement is limited to 50.

One of these limits has been exceeded through the use of a ROUTE, DEST, EXIT, SETMSG, CHANNELS or RETRY statement or ROUTE, SETMSG, ORDER, PURGE, or TRANSFER command.

System Action: The command or statement is ignored, and normal processing continues.

Operator Action: If this message is issued due to a DEST or EXIT statement, split off some of the destination identifiers or entry point names to a separate statement. ROUTE commands and statements can only be used to route nodes and groups of nodes up to 128 links. Reduce the number of links, and try the command or statement

again. If the message is issued due to an ORDER, PURGE, or TRANSFER command, split off some of the spool IDs to a separate command.

Destination: CO, R

221E No ports available

Explanation: Either an ENABLE or a DISABLE command was requested, but there are no ports defined in the port table.

System Action: The command is ignored and normal processing continues.

Operator Action: None.

Destination: CO

222E Port *vaddr* not attached

Explanation: The port identified by *vaddr* was requested to be enabled, but it was not defined for the RSCS virtual machine.

System Action: The command is ignored and normal processing continues.

Operator Action: Attach the requested device to the RSCS virtual machine, and retry the ENABLE command for the *vaddr* address.

Destination: CO

223E Port *vaddr* is not a BSC port

Explanation: The device defined at address *vaddr* was requested to be enabled. The device exists, but it is not a BSC telecommunication device.

System Action: The command is ignored, and normal processing continues.

Operator Action: Either:

- Issue an ENABLE command with the correct *vaddr*, or
- Define, in a PORT configuration file statement or PORT command, a valid port address for a BSC telecommunication device. Then, reissue the ENABLE command with the valid port address.

Destination: CO

224E Invalid port address *vaddr*

Explanation: An DISABLE, ENABLE, or PORT command was requested for the device at address *vaddr*, but the device address was invalid (not in the valid device address range (002 through FFF)).

System Action: The command is ignored and normal processing continues.

Operator Action: Retry the command with a valid port address, or issue a PORT command to define a valid port address.

Destination: CO

225E Port *vaddr* not available

Explanation: An ENABLE, DISABLE, or PORT *vaddr* OFF command was requested for the device at address *vaddr*, but the device address was not in the port table.

System Action: The command is ignored, and normal processing continues.

Operator Action: Define the requested device address in the port table by the PORT configuration file statement or PORT command.

Destination: CO

226I Port *vaddr* being enabled

Explanation: The device at address *vaddr* is being enabled for use.

System Action: The port at address *vaddr* is now available for a link to be started on it automatically when an appropriate SIGNON record is received by RSCS.

Operator Action: None.

Destination: CO

227I Port *vaddr* being disabled

Explanation: The device at address *vaddr* is being disabled from use, and thus available for use by other links.

System Action: The device at address *vaddr* is disabled from receiving any more calls. If a link is active on the device, (that is, the port has been assigned to a link as a result of an incoming call), the port will not become deactivated until the link active on it has been deactivated, for instance as a result of a DRAIN or STOP command.

If no link is active on the device, the auto-answer task terminates.

Operator Action: None.

Destination: CO

228E Port *vaddr* already enabled

Explanation: The device at address *vaddr* was requested to be enabled with no TRACE option specified, but the device was already enabled.

System Action: The command is ignored, and normal processing continues.

Operator Action: None.

Destination: CO

229E Port *vaddr* was not enabled

Explanation: The device at address *vaddr* was requested to be disabled, but the device was already disabled.

System Action: The command is ignored, and normal processing continues.

Operator Action: None.

Destination: CO

230I Port *vaddr* already enabled -- logging set as requested

Explanation: The device at address *vaddr* was requested to be enabled with a TRACE option of the ENABLE command, but the device was already enabled.

System Action: The log trace is set as requested.

Operator Action: None.

Destination: CO

231I Port *vaddr* disabled

Explanation: The device at address *vaddr* has been disabled for use by an auto-answer task and is now available for use by other link drivers.

System Action: The device at address *vaddr* is disabled from receiving any more calls; if active, log tracing is stopped.

Operator Action: None.

Destination: CO, ECO, R

232I Port *vaddr* already enabled -- pending disable reset

Explanation: The device at address *vaddr* had been previously disabled but then requested to continue to be enabled.

System Action: The port is reenabled for future calls. If a TRACE option was issued on the command, the logging status is set as requested.

Operator Action: None.

Destination: CO, R

233I Port *vaddr* being reenabled

Explanation: A link had just terminated on the device at address *vaddr*. The port is being reenabled for future calls.

System Action: The port at address *vaddr* is reenabled for future calls, and normal processing continues.

Operator Action: None.

Destination: ECO, R

234I New port *vaddr* defined

Explanation: The port identified by *vaddr* has been added to the port table in response to an RSCS PORT command.

System Action: The new port definition will remain in effect until RSCS is terminated, or the PORT command is removed by a PORT *vaddr* OFF command. Normal processing continues.

Operator Action: None.

Destination: CO

235I Port *vaddr* deleted

Explanation: The port identified by *vaddr* has been removed from the port table in response to a PORT *vaddr* OFF command.

System Action: Normal processing continues.

Operator Action: None.

Destination: CO

236I Port *vaddr* redefined

Explanation: The existing port identified by *vaddr* has been redefined in the port table in response to a PORT command.

System Action: The modified port definition will remain in effect until RSCS is terminated or until the PORT command removes the definition by a PORT *vaddr* OFF command. Normal processing continues.

Operator Action: None.

Destination: CO

237I Device *vaddr* is not a line port -- port deleted

Explanation: An attempt was made to activate a link with a line port address identified by *vaddr*. A virtual device at address *vaddr* exists, but it is not a usable line port type device.

System Action: The port is removed from the port table. Link activation continues on the next available port.

Operator Action: None.

Destination: R

238E Port *vaddr* cannot be enabled -- defined as dial port

Explanation: The port identified by *vaddr* was requested to be enabled by the RSCS ENABLE command to receive incoming calls. However, the port was defined with the DIAL option, which means that it was intended to be used only for outgoing calls.

System Action: The command is ignored and normal processing continues.

Operator Action: Enter the command again with a port address not defined with the DIAL option.

Destination: CO

240I Port *vaddr* dataset ready

Explanation: An auto-answer task has received a call on the device at address *vaddr* and is ready to accept a signon record for a link.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: ECO, R

241E Invalid signon record on port *vaddr*

Explanation: A signon record has been received by an auto-answer task on the device at address *vaddr*, but the record contained invalid data.

System Action: The signon record is rejected, and the port at address *vaddr* is disabled, then reenabled automatically if the signon error limit of 5 has not been exceeded.

Operator Action: None.

Destination: ECO, R

242E Port *vaddr* signon time limit exceeded -- port disabled

Explanation: The 5 minute signon time limit has expired after an auto-answer task has answered the phone on the device at address *vaddr*.

System Action: The port is disabled, then reenabled automatically if the signon error limit of 5 has not been exceeded.

Operator Action: None.

Destination: ECO, R

243E Port *vaddr* invalid signon threshold reached -- port disabled

Explanation: The device at address *vaddr* received five or more invalid calls or signon records while enabled.

System Action: The device is disabled and made unavailable for receiving calls.

Operator Action: If future calls are required on the *vaddr* device, issue a subsequent ENABLE for the *vaddr* device. Trace logging could be set on to capture any additional invalid signons on the device.

Destination: ECO, R

244I Port *vaddr* logging deactivated

Explanation: Issued for an auto-answer link when trace output has been requested to be terminated on the device at address *vaddr*.

System Action: The spool print file log is closed and enqueued for the system printer.

Operator Action: None.

Destination: ECO, R

245E Port *vaddr* output spool error

Explanation: An error in the output spool has been found for an auto-answer link while trace logging is being performed on the device at address *vaddr*.

System Action: The output spool file is closed and enqueued for the system printer. Trace logging is deactivated for the auto-answer task.

Operator Action: None.

Destination: CP, ECO, R

246E Port *vaddr* link *linkid* signon rejected by journaling exit -- port disabled

Explanation: A signon was attempted for link *linkid* on the port at address *vaddr*, but the journaling exit for an auto-answer link (exit 9) passed back a return code of 8 to the link.

System Action: The signon record is rejected, and the port at address *vaddr* is disabled, then reenabled automatically if the signon error limit of 5 has not been exceeded.

Operator Action: None.

Destination: ECO, R

247I Port *vaddr* reset to NODIAL

Explanation: A nonrecoverable I/O error has occurred on the port identified by *vaddr*. The DIAL/NODIAL capability for the port has been reset to NODIAL to prevent the dial queue manager task from attempting to use this port.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: R

253E Invalid exit number *exitnum*

Explanation: An EXIT command was issued, but the specified exit number *exitnum* was not a number between 0 and 255.

System Action: The command is ignored, and normal processing continues.

Operator Action: None.

Destination: CO

254E Link *linkid* termination requested by exit

Explanation: This message is issued when one of the ASCII-, LPD-, LPR-, TCPASCII-, UFT-, or UFTD- type link exit routines has requested a link driver to terminate.

System Action: The link will be deactivated.

Operator Action: Attempt to restart the link if appropriate. If the problem persists, start local diagnostic procedures to determine why an exit routine is terminating the link driver.

Destination: R, SCO

255E Link *linkid* total file byte count *nnnnnnnnnn* exceeded, connection closed

Explanation: This message is issued when the amount of data received on an LPD link exceeds the amount of data indicated in the count field of the 'Receive data file' print command received from a TCP/IP line print router. The amount of data indicated in the count field of the 'Receive data file' print command is included in the message.

System Action: The file received is purged and the connection with the TCP/IP line print router is closed.

Operator Action: If the problem persists, start local diagnostic procedures to determine why the TCP/IP line print router is sending more data than indicated in the 'Received data file' print command.

Destination: R, SCO

256E Link *linkid* keyword *keyword* {missing | data invalid | not allowed} for file *fileid* -- file purged

Explanation: This message is issued when a LPR- or UFT-type link has detected an error in a user supplied keyword. The keyword and possible errors are as follows:

DESTADDR= Either the destination address (username and hostname) provided exceeds 255 characters, one has not been provided by the user for a UFT-type link, or name resolution failed for the hostname portion.

FILTER= The filter provided exceeds 1 character in length.

HOSTNAME= Either the host name provided exceeds 255 characters, one has not been provided by the user or defined for the link, or name resolution failed.

HOSTID= The host ID in dotted decimal is not valid or exceeds 16 characters.

PREFIX= Either the prefix string provided exceeds 500 characters, does not contain valid hexadecimal characters (0-9, A-F), or is an odd number of characters.

PRINTER= Either the printer queue name provided exceeds 256 characters or one has not been provided by the user or defined for the link.

SEP= The separator string provided exceeds 4 characters in length.

SUFFIX= Either the suffix string provided exceeds 500 characters, does not contain valid hexadecimal characters (0-9, A-F), or is an odd number of characters.

TRANS= Either the translate table provided does not contain 512 characters, or does not contain valid hexadecimal characters (0-9, A-F).

TRANSLATE= Either the translate table provided does not contain 512 characters, or does not contain valid hexadecimal characters (0-9, A-F).

TRANSFORM= The UFT transform type specified is not supported by the UFT-type link.

The LPR- or UFT-type link detected one of the following possible errors with the user supplied keyword:

missing The keyword is required for the LPR- or UFT-type link and has not been specified by the user or as a link parameter.

data invalid The LPR- or UFT-type link detected an error with the associated data supplied with the indicated keyword.

not allowed A keyword has been detected by an LPR- or UFT-type link which was defined **not** to allow user keywords (**USER=No**). In this instance, the file will be rejected for security reasons since it may not be printed where the user intended.

This message is also issued when a keyword has been detected by an LPR-type link which was defined **not** to allow user keywords (**USER=No**). In this instance, the file will be rejected for security reasons since it may not be printed where the user intended.

System Action: The file is purged.

User Action: Correct the problem with the indicated keyword and resubmit the file for printing, or contact your local RSCS administrator.

Destination: R, SCO

START or NET START commands, those commands will fail and the resulting task will not be started.

User Action: If the TCP port redirector, RSCS/VTAM interface, or the indicated link are required, then RSCS must be licensed and enabled on your system. If RSCS is licensed, process the enabling instructions in section 6.1 of the RSCS program directory.

Destination: RO, SCO

2581 Enablement verification check returned {not enabled | not defined | an unknown error} -- link *linkid* not started

Explanation: This message is issued if RSCS detects it is running in a disabled state while processing a START command for a link which does not support new function for the TCP/IP feature of Version 2 Release 3.0 or higher.

System Action: The indicated link will not be started.

User Action: If the indicated link is required, then RSCS must be licensed and enabled on your system. If RSCS is licensed, process the enabling instructions in section 6.1 of the RSCS program directory.

Destination: RO, SCO

259E Link *linkid* device address *nnnn* is not a TN3270E attached printer

Explanation: This message is issued if RSCS detects that a TN3270E-type link is not a TELNET printer attached by the TCP/IP feature of Version 2 Release 3.0 or higher.

System Action: The indicated link will not be started.

User Action: If the indicated link is required, then it must be defined and attached to RSCS by the TCP/IP feature of &REL230. or higher.

Destination: RC, SCO

260E Link *linkid* TAG processing exit has rejected file *origid*

Explanation: The TAG processing exit routine for a UFT-type link has rejected the file identified by *origid*. The TAG processing exit does this by returning to RSCS with a return code of 4.

Reasons the UFTXOUT exit routines may reject a file include:

- The logical record length was not provided for transformation type VARREC.
- The logical record length provided for transformation type VARREC is greater than 65535 bytes.
- The transformation type is not supported.

System Action: The file is purged.

Operator Action: If the file rejection is viewed as a problem, notify the local support personnel responsible for the user exit that rejected the file.

Destination: R, RS

2571 Enablement verification check returned {not enabled | not defined | an unknown error} -- {RSCS initialization continuing | TCP Port redirector not started | RSCS/VTAM interface not started}

Explanation: This message is issued if RSCS detects it is running in a disabled state during initialization, or when the TCP START or NET START commands have been issued.

System Action: If issued during initialization, RSCS processing will continue. If issued as a result of the TCP

261E Specified filters are too complex

Explanation: The number of qualifiers specified on the QUERY or EXIT command exceeded the amount of space set aside by RSCS for this purpose.

System Action: The command is ignored, and normal RSCS processing continues.

Operator Action: Reduce the number of qualifiers specified, and issue the QUERY command again.

Destination: CO

262E Link *linkid* file *spoolid* not in the required NETDATA format -- file purged

Explanation: This message is issued when an UFT-type link has not been able to find NETDATA control records in the indicated spool file.

System Action: The file is purged.

User Action: The CMS SENDFILE COMMAND should be used to send a file on an RSCS UFT link. Review the help file for the SENDFILE command then resubmit the file for processing, or contact your local RSCS administrator.

Destination: R, SCO

302E Link *linkid* is not defined

Explanation: The link ID identified by *linkid* was syntactically valid, but no such link is defined with that link ID.

System Action: The command is ignored, and normal processing continues.

Operator Action: Check to see if the link identifier was specified as intended. If it was incorrectly typed, enter the command again with a correct link ID. If it was correctly typed, you must define the specified link in an RSCS DEFINE command or in a LINK or LINKDEFINE statement in the RSCS configuration file before the command can be executed.

Destination: CO

303E Link *linkid* is not active

Explanation: The link identified by *linkid* was specified in the preceding command, but the link is inactive and the command requires specification of an active link.

System Action: The command is ignored, and normal processing continues.

Operator Action: Verify that the command was issued as intended. Enter the command again, if it was incorrectly issued, or activate the specified link prior to entering the command again.

Destination: CO

304E No {active | connect} path to *nodeid* is currently available

Explanation: In attempting to forward a command or message element toward its final destination, RSCS determined that, due to temporary link outages, the element could not be forwarded at this time.

System Action: The command or message is discarded, and normal processing continues.

Operator Action: An authorized operator should attempt to restart the link to determine what the problem might be. If the link is an available path to the end node, a ROUTE command may be issued to route the node by using this path. General users should try sending the message or command again at some later time.

Destination: CO

310E Location *locid* is not defined

Explanation: A previously issued command, specified as its object a location identified by *locid*, that was syntactically valid, but that was not defined as a direct link or an indirect route at the time of command processing.

System Action: The command is ignored and normal processing continues.

Operator Action: Enter the command again, if it was incorrect. Otherwise,

- Issue an RSCS DEFINE command to temporarily define a new link, or
- Issue an RSCS ROUTE command to temporarily define a new indirectly routed location.

Notify local RSCS support personnel to make corresponding LINK and ROUTE entries to the RSCS configuration file for permanent definitions.

Destination: CO

320E Link *linkid* not connected

Explanation: A previous RSCS MSG or CMD command was addressed by its originator such that it would have been transmitted on the link identified by *linkid*. This means either that the command's destination location address was the link's location (identified by *linkid*) or that the destination location was routed by the local or intermediate RSCS by using that link. When the command was presented to the link's link driver for transmission, the link driver was unable to successfully communicate with the remote station. This was due to a malfunction in the telecommunication hardware or the remote station, or because that link or an intermediate link was not started.

System Action: The message or command is discarded, and normal processing continues.

Operator Action: Inspect the link's telecommunication hardware for indications of line disconnection or malfunction; start the necessary link or have RSCS personnel start the necessary link(s). When the problem has been corrected, normal processing will begin, and the response message to a QUERY *nodeid* command will say *connect* rather than *active*. Enter the CMD or MSG command again when the link has been reconnected.

Destination: CO

331E *userid* not logged on

Explanation: The user identified by *userid* that was specified in an RSCS MSG command could not receive the message because the user was not logged on.

System Action: The message is discarded undelivered.

User Action: Enter the MSG command again later.

Destination: CO

332E *userid* not receiving

Explanation: The user identified by *userid* that was in an RSCS MSG command could not receive the message either because the user's console is disconnected or because the user has set messages off by using the CP SET command.

System Action: The message is discarded undelivered.

User Action: Enter the MSG command again later.

Destination: CO

333I Message for *locido* (*userid*) rerouted to *locid* (*userid*)

Explanation: Issued to the sender of a message that is being rerouted. The message was originally addressed to *userid* at *locido*; it will now be delivered to *userid* at *locid*.

System Action: The message is transmitted to its new destination.

User Action: None.

Destination: CO

334I Looping message for *locid* (*userid*) flushed

Explanation: This message is issued to the originator of a message that is determined to be looping. RSCS assumes a loop when the previous node the message was on is the same as the next node the message would be sent to. Messages that have been rerouted by the RSCS reroute facility are exempted from this check.

System Action: The looping message is discarded and normal RSCS processing continues.

Operator Action: Correct the routing loop that exists for traffic destined to the specified *locid* by routing the node or starting a link on one of the two systems involved in the loop.

Destination: CO, R

335I Looping command for node *locid* flushed

Explanation: This message is issued to the originator of an RSCS command that is determined to be looping. RSCS assumes a loop when the previous node the command was on is the same as the next node the command would be sent to.

System Action: The looping command is discarded and normal RSCS processing continues.

Operator Action: Correct the routing loop that exists for traffic destined to the specified *locid* by routing the node or starting a link on one of the two systems involved in the loop.

Destination: CO, R

336I Command for *locido* rerouted to *locid*

Explanation: Issued to the sender of a command that is being rerouted. The command was originally addressed to *locido*; it will now be addressed to *locid*.

System Action: The command will be forwarded by RSCS to its new destination.

User Action: None.

Destination: CO

341E File *spoolid* (*origid*) not active

Explanation: Issued to a user in response to an RSCS FLUSH command for the user's own file. The file was found in one of the RSCS tag queues but not in an active queue.

System Action: The file is not flushed and normal processing continues.

User Action: Use the RSCS PURGE command for the same file to delete it from the RSCS system.

Destination: CO

342E File *spoolid* (*origid*) owned by *locid* (*userid*) and *locid* (*userid*)

Explanation: Issued to a user in response to one of the **User File Control** commands (CHANGE, FLUSH, PURGE, TRANSFER), but the user does not own the specified file. The file identified by *spoolid* and *origid* is owned by *userid* at *locid*.

System Action: No action is taken on the file, and processing continues.

User Action: Determine the file that is owned, and reissue the command.

Destination: CO

345E Destination identifier *dest* already defined

Explanation: This message is issued in response to a DEST command that attempts to define a destination identifier that was previously defined by a DEST statement or another DEST command.

System Action: The DEST command is ignored, and normal RSCS processing continues.

Operator Action: Check to see if the correct destination identifier was specified. If it was not, specify the correct destination identifier and re-issue the command.

Destination: CO

346E Destination identifier *dest* not defined

Explanation: This message is issued in response to a DEST command that attempts to delete a destination identifier that was not previously defined by a DEST statement or another DEST command.

System Action: The DEST command is ignored, and normal RSCS processing continues.

Operator Action: Check to see if the correct destination identifier was specified. If it was not, specify the correct destination identifier and re-issue the command.

Destination: CO

347I New destination identifier *dest* defined

Explanation: This message confirms that a new destination identifier has been defined using the DEST command.

System Action: The new destination identifier is added to the list of previously defined destination identifier, and normal RSCS processing continues.

Operator Action: None.

Destination: CO

348I Destination identifier *dest* deleted

Explanation: This message confirms that the specified destination identifier has been deleted as a result of a DEST command.

System Action: The destination identifier is deleted from the list of previously defined destination identifier, and normal RSCS processing continues.

Operator Action: None.

Destination: CO

401E Invalid comment in configuration file -- statement ignored

Explanation: An invalid comment has been encountered in processing the RSCS configuration file. The comment started with /* and was not terminated correctly with an */.

System Action: The record is ignored, and normal configuration file processing continues.

Operator Action: Add the */ comment termination characters to the end of the comment. A comment cannot span multiple records in the configuration file.

Destination: R

402I LOCAL statement omitted -- *localid* assumed for local ID

Explanation: During initialization, the RSCS configuration file was found to have no LOCAL statement. *Localid* was taken from the value specified in the SYSID macro when the VM system was generated.

System Action: Normal processing continues.

Operator Action: None.

Destination: R

403W TAGS statement is no longer supported -- statement ignored

Explanation: Because RSCS obtains storage for ten thousand TAG slots during initialization time, the TAGS statement is now obsolete.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Remove the TAGS statement from the RSCS configuration file to prevent RSCS from issuing the message during subsequent reinitializations.

Destination: R

404E Tolerance is already {on | off} -- statement ignored

Explanation: An attempt was made to change the tolerance mode in the RSCS configuration file to the setting it already was on.

System Action: The statement is ignored, and normal configuration file processing continues.

Operator Action: Remove or correct the erroneous TOLERANCE statement.

Destination: R

405I Entering no tolerance mode -- any error causes termination

Explanation: Tolerance has been set off in processing all or a section of the RSCS configuration file. If any error is encountered prior to the end of the configuration file or a TOLERANCE ON statement, RSCS initialization will fail.

System Action: Normal processing of the configuration file continues.

Operator Action: None.

Destination: R

406I Resuming normal tolerance mode

Explanation: Tolerance has been set on again. Errors encountered as part of the configuration file processing will only cause an RSCS initialization failure if they are accompanied with a message of severity "T."

System Action: Normal processing of the configuration file continues.

Operator Action: None.

Destination: R

407E Local application ID definition invalid

Explanation: During RSCS initialization processing, a LOCAL statement that contained an invalid application ID specification was found in the RSCS configuration file. The LOCAL statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues. The RSCS local name is taken from the value specified in the SYSID macro when the VM system was generated.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

408E Invalid hide character *c* specified

Explanation: The character specified on the HIDECHARACTER statement was invalid. The character specified was either too long or was specified as the reserved characters = or '.

System Action: The statement is ignored, and normal configuration file processing continues.

Operator Action: Correct the hide character and restart RSCS.

Destination: R

409E Message *mmm* is not defined -- subscription request ignored

Explanation: A SETMSG command or statement explicitly requested a subscription to message *mmm*. The message is not defined in the RSCS message table.

System Action: If issued in response to a SETMSG statement, the entire statement is ignored. If issued in response to a SETMSG command, the remaining message numbers that were specified on the command are processed.

Operator Action: Correct the SETMSG command or statement, ensuring that only defined message numbers are listed.

Destination: CO, R

410E Message *mmm* is a private message -- subscription request ignored

Explanation: A SETMSG command or statement explicitly requested a subscription to message *mmm*. The message is defined as a private message in the RSCS message table and, hence, cannot be subscribed.

System Action: If issued in response to a SETMSG statement, the entire statement is ignored. If issued in response to a SETMSG command, the remaining message numbers that were specified on the command are processed.

Operator Action: Correct the SETMSG command or statement, ensuring that no private message numbers are listed.

Destination: CO, R

419E Unable to process file *filename filetype* -- invalid file format

Explanation: The file identified by *filename filetype* was not in a valid format. RSCS only supports fixed and variable format files whose records do not exceed 256 bytes. The file in question may be a part of the configuration file, a part of the event manager configuration file, or a file opened by a user exit.

System Action: If the file in question is the RSCS configuration file, RSCS initialization is terminated. If the file in question is the event manager configuration file, the entire event configuration file is ignored, but RSCS initialization continues. If the file in question is in use by a user exit, the system action is determined by the user exit.

Operator Action: Check to make sure the RSCS configuration files are all of variable or fixed-record format with a logical record length less than 256 characters. The configuration files of all user exits that use the general RSCS file interface routines must also adhere to this rule.

Destination: CO, R

420E Unable to process file with *ddname dname* -- invalid file format

Explanation: The file identified by *ddname* was not in a valid format. RSCS only supports fixed and variable format files whose records do not exceed 256 bytes. The file in question may be a part of the configuration file, a part of the event manager configuration file, or a file opened by a user exit.

System Action: If the file in question is the RSCS configuration file, RSCS initialization is terminated. If the file in question is the event manager configuration file, the entire event configuration file is ignored, but RSCS initialization continues. If the file in question is in use by a user exit, the system action is determined by the user exit.

Operator Action: Check to make sure the RSCS configuration files are all of variable or fixed-record format with a logical record length less than 256 characters. The

configuration files of all user exits that use the general RSCS file interface routines must also adhere to this rule.

Destination: CO, R

424E Duplicate LISTPROC link entry ignored

Explanation: During RSCS initialization processing, the RSCS configuration file contained a link definition (LINK or LINKDEFINE) control statement specifying a link type of LISTPROC after a valid previous LINK or LINKDEFINE statement had specified a link type of LISTPROC. The LINK or LINKDEFINE statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

425E Invalid destination identifier *identifier*

Explanation: During RSCS initialization processing of the configuration file, a DEST statement or DEST statement in the DEST identifier file contained an invalid destination identifier. A destination is only valid if it contains one-to-eight nonblank characters.

System Action: RSCS initialization processing continues, and the invalid destination identifier is ignored.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

428E Invalid exit routine *name*

Explanation: During RSCS initialization processing, an EXIT configuration file control statement was found whose exit routine name was missing, was longer than eight characters, or contained invalid characters. The EXIT statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

430E Exit routine *name* not loadable

Explanation: During RSCS initialization processing, an exit routine that was specified on an EXIT configuration file control statement could not be loaded. Possible reasons, include:

- The exit routine could not be found,
- It was marked "not executable" or "overlay structure" by the linkage editor
- It was not in AMODE 31.

The EXIT statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the incorrect statement.

Destination: R

431I Internal tracing = {on | off}

Explanation: Issued in response to a QUERY SYSTEM ITRACE command. The current status of internal tracing (on or off) is displayed.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

432E Message module not loadable

Explanation: During RSCS initialization processing, the message module specified on a LANGUAGE configuration file statement could not be loaded. Possible reasons, include:

- The message module could not be found
- It was marked "not executable" or "overlay structure" by the linkage editor
- It was not in AMODE 31.

The LANGUAGE statement is displayed immediately after this message.

System Action: The statement is ignored and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the incorrect statement.

Destination: R

433E Invalid message module name *name*

Explanation: During RSCS initialization processing, an incorrect message module name was found on a LANGUAGE configuration file statement. Possible reasons, include:

- The message module was missing
- The *name* contains more than eight characters
- Characters in the *name* are not valid.

The LANGUAGE statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the incorrect statement.

Destination: R

434E *keyword* keyword already specified on previous OPTION statement -- statement ignored

Explanation: A previous OPTION statement in the RSCS configuration file also specified the *keyword* keyword option.

System Action: The flagged OPTION statement is entirely ignored, and normal processing continues.

Operator Action: Remove the duplicated keyword from one of the OPTION statements in the RSCS configuration file, and reinitialize RSCS.

Destination: R

435I No internal tracing in effect

Explanation: This message is issued in response to a QUERY SYSTEM ITRACE command when no internal tracing is in effect for RSCS.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

436E Invalid number of shadows *nnnnn* specified

Explanation: The SHADOWS statement specified an invalid number of tag shadows.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Correct the number of shadows specified on the SHADOWS statement. The valid range of shadow numbers is between 20,000 and 100,000 shadows.

Destination: R

437E Invalid size specified for internal trace table

Explanation: RSCS issues this message because the SIZE *nnn* parameter has been incorrectly specified on a configuration file statement or an ITRACE command. There is either non-numeric data or a numeric value that is out of the allowed range following the SIZE keyword.

System Action: The statement or command is ignored.

Operator Action: To verify the allowed range of values for the SIZE *nnn* keyword, refer to the *VM/RSCS: Planning and Installation* book for information on the ITRACE configuration file statement and the *VM/RSCS: Operation and Use* book for the ITRACE command. Issue an ITRACE command with the proper value specified. Alter the configuration file statement to avoid the same problem the next time RSCS is initialized.

Destination: R

438W Insufficient storage available for the internal trace table size requested -- *nnn* 4K page(s) obtained

Explanation: RSCS was unable to obtain the amount of storage requested using an ITRACE configuration file statement or an ITRACE command. If you did not specify the SIZE *nnn* keyword, RSCS attempted to obtain 4 4K pages of storage for the internal trace table. RSCS was, however, able to obtain a lesser amount, indicated by *nnn*. This is a warning message.

System Action: RSCS will use the amount of storage obtained (*nnn* 4K pages) for the internal trace table.

Operator Action: If *nnn* 4K pages of storage is acceptable to your needs, there is no required action. If *nnn* 4K pages is not acceptable, turn ITRACE off using the ITRACE OFF command with the PURGE option, and issue another ITRACE command with the SIZE *nnn* keyword, specifying the amount of storage needed. Refer to the *VM/RSCS: Operation and Use* book for more information on the ITRACE OFF command with the PURGE option. If the problem persists, notify local RSCS support personnel.

Destination: R

439T **Insufficient storage available for the internal trace table -- initialization terminated**

Explanation: RSCS was unable to obtain any storage for the internal trace table, as requested by an ITRACE configuration file statement. No internal tracing can be performed.

System Action: RSCS initialization is terminated.

Operator Action: If you need to use the internal trace table, notify local RSCS support personnel. If not, remove the ITRACE statement from the configuration file and reinitialize RSCS.

Destination: R

440W **Internal trace table already established -- SIZE keyword ignored -- SIZE=nnn**

Explanation: The RSCS internal trace table was already established by a previous ITRACE configuration file statement or command. If the SIZE *nnn* keyword was not specified on either of the two, RSCS obtained the default 4 4K pages of storage for the table.

System Action: The command or statement is ignored.

Operator Action: If you wish to change the size of the internal trace table, you must first turn off internal tracing by way of the ITRACE OFF command with the PURGE option and issue a subsequent ITRACE command with the SIZE *nnn* keyword (where *nnn* is the size desired). See the *VM/RSCS: Operation and Use* book for more information about the ITRACE OFF command with the PURGE option.

Destination: R

441I **Internal trace table purged**

Explanation: This is an informational message only. It is issued in response to an ITRACE OFF command with the PURGE option.

System Action: The RSCS internal trace facility has been deactivated and the storage used for the internal trace table has been returned to GCS. All ITRACE settings have also been reset.

Operator Action: No response is necessary. Refer to the *VM/RSCS: Operation and Use* book for more information on the ITRACE OFF command with the PURGE option, if necessary.

Destination: R

444I **<<<<< Columnar Message >>>>>**

Explanation: RSCS issues this columnar message in response to the following command:

- Query System ITRace LINK *linkid*.

Most RSCS messages are sentences or phrases. RSCS columnar messages are tables of information that have one or more rows of header lines followed by lines of variable information. You can tailor most columnar messages to fit your specific needs. Because they are tailorable, we cannot show all the possible combinations of rows and columns.

For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see the *VM/RSCS: Operation and Use* book. For more information about tailoring columnar messages to meet your specific needs, see "Creating

Columnar Messages" on page 107. For more information about deciphering language-independent columnar messages, see "Understanding Language-Independent Messages" on page 125.

System Action: None.

Destination: CO

445I **<<<<< Columnar Message >>>>>**

Explanation: RSCS issues this columnar message in response to the following command:

- Query System ITRace Port *ccuu*.

Most RSCS messages are sentences or phrases. RSCS columnar messages are tables of information that have one or more rows of header lines followed by lines of variable information. You can tailor most columnar messages to fit your specific needs. Because they are tailorable, we cannot show all the possible combinations of rows and columns.

For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see the *VM/RSCS: Operation and Use* book. For more information about tailoring columnar messages to meet your specific needs, see "Creating Columnar Messages" on page 107. For more information about deciphering language-independent columnar messages, see "Understanding Language-Independent Messages" on page 125.

System Action: None.

Destination: CO

446I **<<<<< Columnar Message >>>>>**

Explanation: RSCS issues this columnar message in response to the following command:

- Query System ITRace Systemtask *task*.

Most RSCS messages are sentences or phrases. RSCS columnar messages are tables of information that have one or more rows of header lines followed by lines of variable information. You can tailor most columnar messages to fit your specific needs. Because they are tailorable, we cannot show all the possible combinations of rows and columns.

For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see the *VM/RSCS: Operation and Use* book. For more information about tailoring columnar messages to meet your specific needs, see "Creating Columnar Messages" on page 107. For more information about deciphering language-independent columnar messages, see "Understanding Language-Independent Messages" on page 125.

System Action: None.

Destination: CO

447I **Internal tracing set as requested**

Explanation: This is an informational message issued in response to successful RSCS ITRACE commands.

System Action: The internal trace settings were set as requested by the preceding ITRACE command entered on the RSCS console.

Operator Action: None.

Destination: R

448I Dump = {yes | no}, size = *nn* pages, gtrace = {on | off}

Explanation: This message is issued in response to a QUERY SYSTEM ITRACE TABLE command. The current settings of the global options are displayed: DUMP, SIZE, and GTRACE.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

449E Duplicate group ID

Explanation: During initialization, the RSCS configuration file contained a ROUTE statement defining a routing group already defined by a valid previous ROUTE statement. The subsequent ROUTE statement is displayed immediately after this message.

System Action: The statement is ignored and normal processing continues.

Operator Action: Remove one of the ROUTE statements that defined the duplicate group from the RSCS configuration file, and reinitialize RSCS.

Destination: R

450E Invalid configuration file entry

Explanation: During initialization, the RSCS configuration file contained a record that was neither a comment nor a valid configuration file entry. The referenced record is displayed immediately following this message.

System Action: The record is ignored, and normal initialization processing continues.

Operator Action: Notify local RSCS support personnel to correct or eliminate the invalid configuration file entry.

Destination: R

451E Configuration file entry out of order

Explanation: During initialization, an RSCS configuration file entry was recognized in a position that either precedes a prerequisite entry or follows a valid entry that it is required to precede. The referenced entry is displayed immediately following this message.

System Action: The entry is ignored, and normal initialization processing continues.

Operator Action: Notify local RSCS support personnel to update the RSCS configuration file to correct the erroneous order of entries.

Destination: R

452E Local previously specified

Explanation: During initialization, an RSCS configuration file entry describing the local location (LOCAL) was recognized after the acceptance of a previous valid LOCAL entry. The referenced entry is displayed immediately following this entry.

System Action: The first LOCAL entry remains in effect, the subsequent LOCAL entry is ignored, and normal initialization processing continues.

Operator Action: Notify local RSCS support personnel to update the RSCS configuration file to include only one LOCAL entry.

Destination: R

453E {PARM | UPARM} previously specified for link

Explanation: During initialization, the RSCS configuration file contained a PARM or UPARM statement for which the PARM or UPARM had already been specified.

System Action: The statement is ignored, and normal RSCS processing continues.

Operator Action: Remove the duplicate statement from the configuration file.

Destination: R

454E Statement previously specified

Explanation: During initialization, the RSCS configuration file contained a duplicate of one or more of the following statements:

CHANNELS	RECOVERY
DUMP	RETRY
HIDECHARACTER	SAFCLASS
LANGUAGE	SHADOWS
MSGNOH	SLOWDOWN
OPFORM	TRACEDEST

The duplicate entry is displayed. RSCS displays this message each time it encounters a duplicate statement after a previous valid statement has been processed.

System Action: The first valid statement remains in effect. The subsequent statements are ignored, and normal initialization processing continues.

Operator Action: Notify local RSCS support personnel to update the RSCS configuration file to contain a single valid statement.

Destination: R

455E Duplicate location node ID

Explanation: During initialization, the RSCS configuration file contained a routing (ROUTE) control statement that specified a destination node ID that had been specified in a valid previous ROUTE statement. The subsequent ROUTE statement is displayed immediately following this message.

System Action: The original ROUTE statement remains in effect. The subsequent statement is ignored, and normal initialization processing continues.

Operator Action: Notify local RSCS support personnel to update the RSCS configuration file to contain no more than one ROUTE control statement for a single, unique destination node ID.

Destination: R

456E Duplicate link ID

Explanation: During initialization, the RSCS configuration file contained a link definition (LINK) control statement specifying a link ID that had been specified in a valid previous LINK statement. The subsequent LINK statement is displayed immediately following this message.

System Action: The preceding LINK statement remains in effect. The subsequent statement is ignored, and normal initialization processing continues.

Operator Action: Notify local RSCS support personnel to update the RSCS configuration file to include no more than

one LINK control statement that specifies a single, unique link ID.

Note: LINKDEFINE can be specified many times for the same link, but LINK cannot.

Destination: R

ASCII	GATEWAY	LPD	LISTPROC
LPR	MRJE	NJE	NOTIFY
RJE	SNANJE	SNARJE	SNA3270P
TCPASCII	TCPNJE	TN3270E	UFT
UFTD	3270P	*	
		(undefined)	

System Action: The control statement in error is ignored, and normal initialization processing continues.

Operator Action: Notify local RSCS support personnel to update the RSCS configuration file with the valid link driver type desired by the installation.

Destination: R

457E Duplicate port address

Explanation: During initialization, the RSCS configuration file contained more than one switchable port (PORT) control statement that specified the same port address. The subsequent PORT statement is displayed immediately following this message.

System Action: The preceding PORT statement remains in effect. The subsequent statement is ignored, and normal initialization processing continues.

Operator Action: Notify local RSCS support personnel to update the RSCS configuration file to contain no more than one PORT control statement for a single, unique port address.

Destination: R

464E Port address missing or invalid

Explanation: During initialization, the RSCS configuration file contained a link definition (LINK or LINKDEFINE) or a switchable port (PORT) control statement specifying a port address that contained invalid or lowercase characters, or that was out of the valid port address range (X'0002' through X'1FFF'), or the port address was not specified at all on a PORT statement. The referenced LINK, LINKDEFINE, or PORT control statement is displayed immediately following this message.

System Action: The LINK, LINKDEFINE, or PORT statement in error is ignored, and normal initialization processing continues.

Operator Action: Notify local RSCS support personnel to update the RSCS configuration file to contain the valid port address desired by the installation.

Destination: R

459E Channel address missing or invalid

Explanation: During RSCS initialization processing, the RSCS configuration file contained a CHANNEL control statement whose channel specification was either missing or invalid. Valid channel specifications include 1 through 9 and A through F (uppercase, only). The referenced statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

466E Invalid lines per inch specification

Explanation: During RSCS initialization processing, a FORM statement that contained an invalid lines per inch specification was found in the RSCS configuration file. Valid values are 3, 4, 6, or 8. The FORM statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

460E Duplicate channel address

Explanation: During RSCS initialization processing, a CHANNEL statement was found in the RSCS configuration file that had a channel specification that was the same as another channel specification on the same statement. The referenced statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

467E Duplicate symbolic driver specification

Explanation: The symbolic driver name specified on the LINKTYPE statement duplicates one of the RSCS defined symbolic driver names or one of the previously defined symbolic driver names used on a LINKTYPE statement.

System Action: The statement is ignored and normal configuration file processing continues.

Operator Action: Choose a different symbolic driver name on the LINKTYPE statement and restart RSCS.

Destination: R

463E Invalid driver specification

Explanation: During initialization, the RSCS configuration file contained a link definition (LINK or LINKDEFINE) control statement specifying a driver type unknown to RSCS. This message is also issued if the driver name was specified on LINKTYPE incorrectly (greater than 8 characters or invalid characters). The referenced LINK or LINKDEFINE statement is displayed immediately following this message.

The following driver types are valid; additional link types may be defined on the LINKTYPE statement:

469E Invalid entry point name specification

Explanation: The entry point name specified on the LINKTYPE statement was invalid or missing.

System Action: The statement is ignored, and normal configuration file processing continues.

Operator Action: Correct the entry point name on the LINKTYPE statement, and restart RSCS.

Destination: R

472E MSGNOH ignored, RSCS virtual machine not privileged

Explanation: During initialization, the RSCS configuration file contained a MSGNOH control statement. An attempt was made to use the CP MSGNOH command, and an error return code resulted, indicating that the RSCS virtual machine does not have the necessary privilege class (usually class "B") to execute the MSGNOH. The MSGNOH statement is displayed immediately following this message.

System Action: The MSGNOH statement is ignored, and normal initialization processing continues.

Operator Action: Notify the VM system programmer to update the CP directory entry for the RSCS virtual machine, or notify local RSCS support personnel to remove the MSGNOH control statement from the RSCS configuration file.

Destination: R

473E User may not be authorized as both RSCS and link operator

Explanation: During initialization, the RSCS configuration file contained an authorization (AUTH) control statement authorizing a particular user as an alternate RSCS operator. This same user has already been authorized as a link operator (or the reverse). The conflicting AUTH statement is displayed immediately following this message.

System Action: The conflicting AUTH statement is ignored, and normal initialization processing continues.

Operator Action: Notify local RSCS support personnel to update the RSCS configuration file to contain the valid authorization entries desired by the installation.

Destination: R

475E CP option not allowed

Explanation: During initialization, the RSCS configuration file contained an authorization (AUTH) control statement having an option field specifying "CP", but the link ID field did not specify the local node or an "*." An alternate operator can be given the "CP" option only if that operator has privileges for the entire RSCS virtual machine. The invalid AUTH statement is displayed immediately following this message.

System Action: The invalid AUTH statement is ignored, and normal initialization processing continues.

Operator Action: Notify local RSCS support personnel to update the RSCS configuration file to contain the valid authorization control statements desired by the installation.

Destination: R

476E Form name missing or invalid

Explanation: During initialization, the RSCS configuration file contained an operator form name (OPFORM) or form definition entry (FORM) whose operator form name was missing, had more than eight characters, or contained invalid or lowercase characters. The OPFORM or FORM statement entry is displayed immediately following this message.

System Action: The entry is ignored, and normal initialization processing continues.

Operator Action: Notify local RSCS support personnel to update the RSCS configuration file to contain the valid operator form name or form definition desired by the installation.

Destination: R

478E Invalid LUNAME specification

Explanation: During RSCS initialization processing, the RSCS configuration file contained a LINK or LINKDEFINE statement with a luname specification of more than eight characters or with invalid or lowercase characters. The LINK or LINKDEFINE statement is displayed immediately following this message.

System Action: The statement is ignored and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

479E Invalid LOGMODE specification

Explanation: During RSCS initialization processing, the RSCS configuration file contained a LINK or LINKDEFINE statement with a logon mode specification of more than eight characters or with invalid or lowercase characters. The LINK or LINKDEFINE statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

480E Invalid dispatching priority specification

Explanation: During RSCS initialization processing, a LINK or LINKDEFINE statement that had an invalid dispatching priority specification was found in the RSCS configuration file. The LINK or LINKDEFINE statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

481E Invalid slowdown specification *nnnn*

Explanation: An invalid slowdown value was specified on the LINKDEFINE statement or DEFINE command.

System Action: The statement or command is ignored, and normal RSCS processing continues.

Operator Action: Correct the value specified on the SLOWDOWN parameter, and reinitialize RSCS, or reissue the DEFINE command.

Destination: CO, R

483E Invalid form size specification

Explanation: During RSCS initialization processing, the RSCS configuration file contained a FORM definition entry that had an invalid form width or form length value. The entry is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the invalid entry.

Destination: R

484E Duplicate {form | FCB} name specified

Explanation: During RSCS initialization processing, the RSCS configuration file contained a FORM or an FCB statement that specified a FORM or an FCB name that already exists in the FCB table. The referenced statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

486E Invalid device address -- on reserved channel

Explanation: During RSCS initialization processing, a LINK, LINKDEFINE, or PORT statement was found in the RSCS configuration file that had a device address within the range of the unit record device pool. The LINK, LINKDEFINE, or PORT statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

487E Duplicate AUTH statement specified

Explanation: During RSCS initialization processing, an AUTH statement was found in the RSCS configuration file that was already specified and added to the RSCS authorization table. The AUTH statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS support personnel to correct the invalid statement.

Destination: R

488E Duplicate LUNAME specified

Explanation: During RSCS initialization processing, an LUNAME keyword was encountered, on a LINK or LINKDEFINE statement, that had been specified on a previous LINK, LINKDEFINE, or LOCAL statement. The LINK or LINKDEFINE statement is displayed immediately following this message.

System Action: The statement is ignored, and normal processing continues.

Operator Action: Notify local RSCS personnel to correct the invalid statement.

Destination: R

489E No SLOWDOWN value has been specified

Explanation: A slowdown override was specified on a LINKDEFINE statement or DEFINE command using the + or - offset without a SLOWDOWN statement or command having been previously specified.

System Action: The statement or command is ignored, and normal RSCS processing continues.

Operator Action: Move the SLOWDOWN statement in the configuration file so that it precedes any LINKDEFINE statements that are attempting to use the delta specification for a link's slowdown values, or invoke the SLOWDOWN command to set slowdown values prior to issuing the DEFINE command.

Destination: CO, R

490E Virtual storage size insufficient to process file *filename filetype*

Explanation: Insufficient storage is available to acquire the work areas needed to process the specified file. The file in question may be a part of the configuration file, a part of the event manager configuration file, or a file opened by a user exit.

System Action: If the file in question is the RSCS configuration file, RSCS initialization is terminated. If the file in question is part of the event manager configuration file, processing of the configuration file terminates, but RSCS processing continues. If the file in question is in use by a user exit, the system action is determined by the user exit.

Operator Action: If the message is issued after RSCS has been running for a while, the source of the problem may be storage fragmentation. A more likely cause, however, is shortage of virtual storage. Increase the RSCS machine's virtual storage size or decrease the number of shadows and links defined in the RSCS configuration file. Reinitialize RSCS to put the change in virtual storage in effect.

Destination: CO, R

491E Unable to open file *filename filetype*

Explanation: During RSCS initialization processing, the file could not be opened because:

- The disk containing the file was not accessed, or
- The file was invalid; that is, it had a record length greater than 256 bytes, or its format was neither fixed nor variable unblocked.

System Action: If the file is not the RSCS configuration file or the event manager configuration file, the file is being

accessed from a user exit and the system action depends on the user exit. RSCS initialization processing will be terminated, and the RSCS system will be quiesced.

Operator Action: Notify local RSCS support personnel.

Destination: R

492E Unable to open file with ddname *ddname*

Explanation: During RSCS initialization processing, the file could not be opened. This could be caused by any of several factors, including:

- The disk containing the file was not accessed
- A missing or incorrect FILEDEF statement
- The file was invalid; that is, it had a record length greater than 256 bytes, or its format was neither fixed nor variable unblocked. If the file is not the RSCS configuration file or the event manager configuration file, the file is being accessed from a user exit, and the system action depends on the user exit.

System Action: RSCS initialization processing will be terminated, and the RSCS system will be quiesced.

Operator Action: Notify local RSCS support personnel.

Destination: R

493T System identification missing

Explanation: During RSCS initialization processing, the RSCS configuration file did not contain a LOCAL statement, or the LOCAL statement specified the default *localid* value. However, a system ID was not specified on the SYSTEM_IDENTIFIER or SYSTEM_IDENTIFIER_DEFAULT statement in the SYSTEM CONFIG file. (This value may also be specified on the SYSID macro, if used on your system.) If *localid* is not specified, RSCS must use the system ID value that was specified when the VM/ESA system was generated.

System Action: RSCS initialization ends.

Operator Action: Specify a name on the LOCAL configuration file statement. Or, notify local RSCS and VM support personnel to update the system ID value.

Destination: R

494T Local location definition invalid

Explanation: During RSCS initialization processing, the RSCS configuration file contained an invalid LOCAL statement as the first noncomment entry.

System Action: RSCS initialization is terminated.

Operator Action: Notify local RSCS or VM support personnel to change the SYSID macro, or specify a valid name on the LOCAL configuration file statement.

Destination: R

495T Virtual storage size insufficient for initialization

Explanation: During initialization, it was determined that insufficient free storage was available to satisfy a GETMAIN request.

System Action: RSCS initialization processing is terminated.

Operator Action:

- Redefine the RSCS virtual machine size to a larger size by using the CP DEFINE command.
- Re-IPL GCS.
- Reinitialize RSCS.

Notify the VM system programmer to increase the storage allocated to the RSCS virtual machine in the VM directory.

Destination: R

496E Virtual storage size insufficient to process file with ddname *ddname*

Explanation: Insufficient storage is available to acquire the work areas needed to process the specified file. The file in question may be a part of the configuration file, a part of the event manager configuration file, or a file opened by a user exit.

System Action: If the file in question is the RSCS configuration file, RSCS initialization is terminated. If the file in question is part of the event manager configuration file, processing of the configuration file terminates, but RSCS processing continues. If the file in question is in use by a user exit, the system action is determined by the user exit.

Operator Action: If the message is issued after RSCS has been running for a while, the source of the problem may be storage fragmentation. A more likely cause, however, is shortage of virtual storage. Increase the RSCS machine's virtual storage size, or decrease the number of shadows and links defined in the RSCS configuration file. Reinitialize RSCS to put the change in virtual storage in effect.

Destination: CO, R

497E Maximum number of open files has been exceeded

Explanation: RSCS reserves for its own use a pool of 1000 ddnames. A ddname out of this pool is used every time a component of the RSCS configuration file, the event manager configuration file, or a user exit refers to a file by file name and file type, rather than ddname. When all 1000 ddnames are in use, attempts to open the next file will result in this message.

System Action: If this error occurs as part of the RSCS configuration file processing, RSCS processing is terminated. If the error is encountered as part of reading the event manager configuration file, processing of the configuration file terminates, but RSCS processing continues. If the error occurs as part of reading a file from a user exit, the system action is determined by the user exit.

Operator Action: Reduce the number of files that require a ddname from RSCS's pool of reserved ddnames by predefining the ddnames of some often used files. If the error occurs at initialization time, reorganize your initialization steps to separate the tasks that require many dynamically defined ddnames.

Destination: CO, R

498E Invalid IMBED record: text

Explanation: An invalid IMBED record was encountered while processing a component of the RSCS configuration file, the event manager configuration file, or a user exit file. A valid IMBED record must contain either a single token, recognized as a ddname, or multiple tokens the first two of which are taken to be the file name and file type of the file to be imbedded.

System Action: If this error occurs as part of the RSCS configuration file processing, RSCS processing is terminated. If the error is encountered as part of reading the event manager configuration file, processing of the configuration file terminates, but RSCS processing continues. If the error occurs as part of reading a file from a user exit, the file processing is terminated and the system action is determined by the user exit.

Operator Action: Correct the syntax of the offending imbed and reinitialize RSCS or the event manager (by using a SCHEDULE DISKLOAD). If you are editing the bad file from another virtual machine, make sure that RSCS reaccesses the disk on which the file resides before repeating the task that led to the error.

Destination: CO, R

499E Maximum IMBED depth has been exceeded

Explanation: The RSCS file imbed structure supports a stack that can be no more than 10 files deep. Subsequent attempts at imbedding files will result in this message. This mechanism prevents imbed loops.

System Action: If this error occurs as part of the RSCS configuration file processing, RSCS processing is terminated. If the error is encountered as part of reading the event manager configuration file, processing of the configuration file terminates, but RSCS processing continues. If the error occurs as part of reading a file from a user exit, the file processing is terminated and the system action is determined by the user exit.

Operator Action: Check to see if the files in question were imbedding in a loop. If this is not the case, restructure the usage of IMBED statements to prevent RSCS from imbedding files to a depth exceeding 10 files.

Destination: CO, R

500I nn file(s) closed on link linkid

Explanation: The number of files denoted by *nn* that were active on the link identified by *linkid* have been deactivated as an automatic result of link deactivation.

System Action: Previously active files that were enqueued for transmission are reenqueued for complete retransmission. Previously active files that were being received are normally incomplete, and are therefore purged. Some types of files, such as transaction log output from the local system, are closed and saved, even though they may be incomplete.

Operator Action: None.

Destination: R, SCO

501W RSCS virtual machine is not authorized for diagnose X'F8'**Secure Origin ID Support is not invoked**

Explanation: The SECORGID operand of the OPTION statement was not specified, but the RSCS virtual machine is not authorized (using the SETORIG option in the CP directory entry for the RSCS virtual machine) to use the CP Diagnose code X'F8'.

System Action: When the SECORGID operand is not specified on the OPTION statement, RSCS attempts to use Diagnose code X'F8' automatically. If the RSCS virtual machine discovers that it is not authorized (using the SETORIG option in its CP directory entry) to use Diagnose code X'F8', it issues this warning message. RSCS initialization continues and the Secure Origin ID support is not invoked.

Operator Action: If you do not want to use the Secure Origin ID support and this message is a nuisance, specify SECORGID=NO on the OPTION statement in the configuration file. If you want the Secure Origin ID Support or if you are not sure if it is required or not, consult your system support personnel. In the meantime, it may be necessary to shut down RSCS until the situation is resolved.

Destination: R

502T RSCS virtual machine is not authorized for diagnose X'F8'

Explanation: SECORGID=YES was specified on the OPTION statement in the configuration file. However, either Diagnose code X'F8' is not available on the CP level on which RSCS is running, or RSCS is not authorized (in the CP directory entry for the RSCS virtual machine) to use Diagnose code X'F8'.

System Action: RSCS initialization ends.

Operator Action: Notify the system support personnel.

Destination: R

504E Programming error in DMTAXM with diagnose X'F8' -- RC = rc Device Address = ccuu

Explanation: RSCS detected a programming error in module DMTAXM with the Secure Origin ID Support (diagnose X'F8' subcode X'00' only). RC=rc is the hexadecimal return code from the diagnose X'F8'. One of the following will be indicated by rc:

- 8 RSCS attempted to associate spool file origination information with a device that does not exist.
- 12 RSCS attempted to associate spool file origination information with a device that is not an output unit record device.

The output unit record device address (in hexadecimal) that is in error is indicated by *ccuu*.

System Action: RSCS will abend with a user abend code of 00A.

Operator Action: Notify the system support personnel.

Destination: R

510I File *spoolid* backspaced

Explanation: The file identified by *spoolid* has been backspaced according to the request in the previous BACKSPAC command.

System Action: File transmission continues, beginning from the new file position.

Operator Action: None.

Destination: CO

511E No file active on link *linkid*

Explanation: A valid command for active files was issued to the link identified by *linkid*, but no file was being actively transmitted on the link at the time of command execution.

System Action: Normal link processing continues, and the command has no effect.

Operator Action: Enter the command again, if it was entered in error.

Destination: CO

520I File *spoolid (origid)* changed

Explanation: The file identified by *spoolid (origid)* has been altered as requested in the processing of the preceding command. The new file status remains in effect until it is changed again through operator command processing.

System Action: All appropriate action implied by the change of status is performed. This might include reordering a link queue if a file priority was changed, notifying a waiting link driver if a file class was changed, and so on. Normal RSCS processing continues.

Operator Action: None.

Destination: CO, R

521I No files changed

Explanation: A CHANGE command resulted in no files being changed; that is, none of the specified filter criteria were met by files queued on the specified link.

System Action: Normal processing continues, and the command has no effect.

Operator Action: None.

Destination: CO, R

522I *nn* files changed

Explanation: A CHANGE command resulted in *nn* files being changed as requested.

System Action: The files that met the specified criteria are changed, and normal processing continues.

Operator Action: None.

Destination: CO, R

523I Link *linkid* queue reordered

Explanation: The file queue in RSCS virtual storage for the link identified by *linkid* has been reordered in response to execution of an RSCS command. The new order of the queue represents the order of file transmission for the link.

System Action: The files reordered to the beginning of the queue are given a priority of zero (highest), and normal processing continues.

Operator Action: None.

Destination: CO, R

524E File *spoolid (origid)* active -- no action taken

Explanation: The file identified by *spoolid (origid)* is actively being read and transmitted on a link, and the action requested in the preceding command cannot be performed on active files.

System Action: The preceding command has no effect, and normal processing continues.

Operator Action: If desired, deactivate the file by a FLUSH *linkid spoolid* HOLD command, and enter the preceding command again.

Destination: CO, R

525E File *spoolid (origid)* is not for link *linkid* -- no action taken

Explanation: You entered an RSCS command to manipulate the file identified by *spoolid (origid)* on link *linkid*, but RSCS could not find the specified file enqueued on the specified link.

System Action: The action requested in the preceding command is not performed, and normal processing continues.

Operator Action: Verify that the specified spool file ID and link ID are correct. If an error is found, enter the preceding command again.

Destination: CO, R

526E File *spoolid* not found -- no action taken

Explanation: The file identified by *spoolid* that was specified in the preceding command is not owned by RSCS or is pending.

System Action: The preceding command has no effect, and normal processing continues.

Operator Action: Verify the spool file ID used in the preceding command. If it was incorrect, enter the command again with a corrected spool file ID. If it was correct, and the file is pending at the RSCS virtual machine, you can manipulate the file through CP spooling commands.

Destination: CO, R

528E File *spoolid (origid)* for *locid (userid)* held in hop count loop

Explanation: You will receive this message if the file is in a loop due to exceeding the maximum hop count specified for the RSCS machine. This message is sent to the file originator and the RSCS console. The file originator will receive the message only once (even if RSCS is re-IPLed), while the RSCS console will echo the message every time a real reorder occurs.

System Action: The file is placed in a special "looping" hold state, and normal RSCS processing on other files continues.

Operator Action: Correct the source of the hop count loop. Issue the CHANGE command with the NOLOOP option to release the held files so that they may reach their intended destinations.

If the current hop count is inadequate, increase the maximum hop count for your system using the MAXHOPS keyword on the OPTION statement.

Destination: CO, R

529E File *spoolid (origid)* for *locid (userid)* held in immediate routing loop on link *linkid*

Explanation: RSCS detected an immediate routing loop for node *locid*. It temporarily placed the file *spoolid* in a hold state to prevent files from looping on the link and to draw operator attention to the problem.

System Action: RSCS places the file in a temporary hold state to prevent the file from being transmitted on the specified link until the routing problem has been resolved.

Operator Action: Resolve the routing problem that exists on this node or the node on the link identified by *linkid*. If the routing problem existed on the local node, no action is required to free the file from its temporary hold state. If the routing problem existed on the neighboring node, and it has been corrected, inform the local RSCS machine of that fact by issuing a CHANGE command with the NOLOOP option against the file.

Destination: CO, R

531E Invalid link driver command for link *linkid* -- no action taken

Explanation: A syntactically correct command was issued for the link identified by *linkid*. However, at the time the command was processed, it was invalid for the particular link driver that is controlling this link.

Certain file commands, such as BACKSPAC and FWDSPACE, are never valid for networking links. For details of particular commands, see the *VM/RSCS: Operation and Use* book.

System Action: Normal RSCS processing continues.

Operator Action: None.

User Action: If possible, remove the conditions preventing the command's acceptance, and reissue the command. For instance, a HOLD command is invalid for an RJE- or MRJE-type link while the link is in SETUP mode.

Destination: CO, R

540I New link *linkid* defined

Explanation: The link identified by *linkid* is now defined as the result of RSCS DEFINE command processing. Attributes of the newly defined link are determined by the specified and default DEFINE command options. Users can begin addressing files to the newly defined link.

System Action: The RSCS file queue is reordered. Files may be enqueued on the newly defined link. The new link definition will remain in effect until RSCS is restarted, or until it is removed by an RSCS DELETE command.

Operator Action: If the new link is to be permanently defined, notify local RSCS support personnel to add to the RSCS configuration file a LINK statement defining the new link to cause the link to be permanently defined after an RSCS restart.

Destination: CO, R

541I Link *linkid* redefined

Explanation: The previously defined link, identified by *linkid*, has had its definition changed as the result of command processing, according to the specified keyword options.

System Action: The RSCS file queue is reordered. The changes in the link definition become effective immediately.

Operator Action: None.

Destination: CO, R

542E Link *linkid* started -- not redefined

Explanation: The previously defined link, identified by *linkid*, has not been redefined because the link was started at the time of command processing.

System Action: Command execution is terminated, the command has no effect, and normal processing continues.

Operator Action: Enter the command again after the link has been deactivated.

Destination: CO

550I Link *linkid* now deleted

Explanation: The previously defined link, identified by *linkid*, is now temporarily deleted as a result of RSCS DELETE command processing. Files, commands, and messages can no longer be handled through the previously defined link.

System Action: Spool files addressed to the deleted link's location ID are no longer accepted and are rejected as invalidly addressed. Such files may be returned to local originating users or are purged if they are not of local origin. The deleted link can no longer be activated.

Operator Action: None.

Destination: CO, R

551E Link *linkid* started -- not deleted

Explanation: An attempt was made to temporarily delete the link identified by *linkid* from RSCS by the RSCS DELETE command. The attempt was unsuccessful because the specified link was started at the time of command processing.

System Action: The link remains defined and active, the command has no effect, and normal processing continues.

Operator Action: Enter the command again after the link has been deactivated.

Destination: CO

552E Link *linkid* has a file queue -- not deleted

Explanation: An attempt was made to temporarily delete the link identified by *linkid* by an RSCS DELETE command. The attempt was unsuccessful because the specified link had at least one file enqueued on it at the time of command processing.

System Action: The link remains defined, the command has no effect, and normal processing continues.

Operator Action: Before the link can be deleted, all files enqueued on it and pending for it must be purged, either by console command execution or through normal file transmission.

Destination: CO

553E Link *linkid* is a list processing link -- not deleted

Explanation: A DELETE command was issued for link *linkid*, but the link is defined as a list processor link. The list processor link may not be removed from the system.

System Action: The command is ignored, and normal processing continues.

Operator Action: None.

Destination: CO

554E Duplicate list processing link driver *linkid* cannot be {defined | started}

Explanation: A DEFINE or START command was issued for link *linkid* as a list processing link, but a list processor link was already defined to the system. A second list processing link may not be created on the system.

System Action: The command is ignored, and normal processing continues.

Operator Action: None.

Destination: CO

555E Link *linkid* is a list processing link -- type may not be modified

Explanation: A DEFINE or START command was issued for link *linkid* as other than a list processing link, but a link was already defined as a list processor link. A list processing link may not be removed from the system.

System Action: The command is ignored, and normal processing continues.

Operator Action: None.

Destination: CO

556E {Node | Group} *id* routed through link *linkid* -- link not deleted

Explanation: This message is issued to the originator of a DELETE command if an attempt is made to delete a link that has routing groups or nodes routed through it.

System Action: The command is ignored and normal RSCS processing continues.

Operator Action: Route the specified node ID through another link and try the DELETE command again. Continue this process until all routes to the link have been removed.

Destination: CO

557E Link *linkid* has link *linkid* specified as a fanout link -- link not deleted

Explanation: A DELETE command has attempted to delete a link that was specified as the fanout link of another link.

System Action: The command is ignored, and normal RSCS processing continues.

Operator Action: Use the DEFINE command to change the fanout link to another link, and re-execute the DELETE command.

Destination: CO

558E SLOWDOWN is not valid for non-networking links

Explanation: The SLOWDOWN parameter was used on a LINKDEFINE statement or DEFINE command to define override slowdown values for a non-networking link. Slowdown is only valid for networking links.

System Action: The statement or command is ignored, and normal RSCS processing continues.

Operator Action: Remove the slowdown specification from LINKDEFINE statement or DEFINE command, and reinitialize RSCS or reissue the DEFINE command.

Destination: CO, R

559E DEFINE command for link *linkid* rejected by user exit 33

Explanation: The DEFINE command for the specified link was rejected by a customer installed user exit. The command was entered with the UPARM option.

System Action: The DEFINE command is ignored, and normal RSCS processing continues.

Operator Action: Correct the error in the specified UPARM text and reissue the DEFINE command.

Destination: CO

560I RSCS Networking disconnecting

Explanation: The RSCS virtual machine console is disconnected as a result of command execution. If a different virtual machine was specified to receive RSCS output messages, that virtual machine will begin receiving the console messages through the VM message function.

System Action: RSCS continues processing normally without a main operator console.

Operator Action: None.

Destination: CO, R

561E User ID *userid* not receiving

Explanation: An attempt was made to disconnect the main RSCS virtual operator console, which is associated with a virtual machine ID identified by *userid*. The console is specified to receive RSCS console output messages. The identified virtual machine either was not receiving messages or was not logged on at the time of command processing.

System Action: The command processing is terminated, the command has no effect, and normal processing continues.

Operator Action: Enter the command again with a different virtual machine ID specified or with no virtual machine ID specified. The same virtual machine ID can be

specified after it has been logged on and set to receive messages.

Destination: CO

562I RSCS Networking reconnected

Explanation: RSCS Networking was previously disconnected, and messages were being sent to an alternate user ID. RSCS is now reconnected, and the user ID is reset to blanks.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO, R

563E RSCS Networking already disconnected

Explanation: An RSCS DISCONN command had been previously issued without an intervening RSCS RECONN command.

System Action: The command is ignored, and normal RSCS processing continues.

Operator Action: None.

Destination: CO, R

564E RSCS Networking already reconnected

Explanation: RSCS Networking was already reconnected and cannot be reconnected.

System Action: The command is ignored. Normal RSCS processing continues.

Operator Action: None.

Destination: CO

570I Link *linkid* now set to deactivate

Explanation: In response to one of the following RSCS commands, link *linkid* is in drain status and will be deactivated:

- DRAIN
- SHUTDOWN (with no QUICK option),
- NETWORK HALT (with no QUICK option)

This message is also issued when the inactivity timeout (ITO) value for the link has expired.

System Action: If the link driver is not in active communication with the remote station at the time of command execution, the link is deactivated immediately. Otherwise, action is taken to quiesce line activity. This includes the finishing of transmission for an active file if one exists, and it may include the signaling to the remote station of an impending termination. File reception is completed for a file being actively received. No new files are activated for transmission or accepted for reception while the link is in drain status. When line activity is quiesced, the link deactivates.

Operator Action: If the link is not deactivated within a reasonable period of time, issue a STOP command to deactivate the link unconditionally, regardless of actual line activity.

Destination: CO, R

571E Link *linkid* already set to deactivate

Explanation: An RSCS DRAIN command was executed specifying the link identified by *linkid*, which was already in drain status.

System Action: The link driver continues its attempt to quiesce the line, and the command has no effect.

Operator Action: If the link is not deactivated within a reasonable period of time, issue a STOP command to immediately deactivate the link, regardless of line activity.

Destination: CO, R

580I File *spoolid (origid)* processing terminated on link *linkid*

Explanation: Transmission of the indicated active file, *spoolid (origid)*, on link *linkid* has ended before file processing completed. This message is issued:

- In response to an RSCS FLUSH command
- When an LU_T1 printer session signals an "intervention required"
- When a remote receiving terminal indicates an RJE terminal device error
- When a remote system is restarted
- When the sender receives two unrecognizable responses from the remote terminal
- By an NJE-, SNANJE-, or TCPNJE-type link when there is insufficient free storage, or when an error is detected in a file that has been partially sent to a remote system
- When an SNA3270P-, TN3270E-, or 3270P- type printer driver detects a channel skip not defined for the FCB image currently being processed, or
- When a file did not print completely.

System Action: Disposition of the identified file is made according to the status of the file. The file may be purged from the system, requeued for transmission, or held for transmitting at a later time.

If a FLUSH command was entered, the next copy of the file may begin transmission if multiple copies remain and ALL was not specified. Normal link processing continues.

If insufficient storage exists, or if an error was detected in a partially transmitted file, an immediate termination SCB (X'40') is sent to the remote system and the file is saved and put in HOLD status. For an RJE terminal device error, the file is saved and put in HOLD status.

Operator Action: If the message occurs for an NJE-, SNANJE-, or TCPNJE-type link when no FLUSH command has been issued, wait until the system is less loaded and send the file again. If the message occurs for an RJE terminal device error, send the file again. In either case, if the message still occurs, the file probably contains bad data. In the case of the FCB channel-skip error on an SNA3270P- or 3270P-type link, there are three options available:

- Use the RSCS CHANGE command to change the *fcname* for the file
- Stop the link and restart it, specifying FCB=IGNORE (the default)
- Purge the file using the RSCS PURGE command.

If the problem persists or occurs with other files, notify local support personnel.

Destination: CO, R

581E File *spoolid* not active

Explanation: This message is in response to an RSCS command that requires specification of an active file as the command's object. At the time of command processing, the spool ID specified in the command (*spoolid*) was not active.

System Action: The command has no effect, and normal link processing continues.

Operator Action: You may determine the status of a file by issuing an RSCS QUERY FILE *spoolid* command. Enter the command again, if it was entered in error.

Destination: CO

590I Link *linkid* resuming file transfer

Explanation: The active link identified by *linkid* was in hold status and has been removed from hold status in response to RSCS FREE command processing.

System Action: File transmission on the identified link resumes when a file eligible for transmission is available.

Operator Action: None.

Destination: CO, R

591E Link *linkid* not in hold status

Explanation: The link identified by *linkid* was not in hold status when an RSCS FREE command was processed requesting that the link leave hold status.

System Action: The command is ignored, and normal link processing continues.

Operator Action: None.

Destination: CO, R

598I Running in normal mode -- shortage of queue holders has subsided

Explanation: RSCS has recovered from its shortage of tag shadows through operator intervention (by reducing the number of links specified on a ROUTE command) or through the transmission of files.

System Action: RSCS is now running without storage constraints, and normal processing continues.

Operator Action: None.

Destination: R

599W Running in degraded mode due to shortage of queue holders -- files not queued on all eligible links

Explanation: RSCS has run into a shortage of tag shadow elements. Files can no longer be queued on all the links they are eligible for as a result of ROUTE commands and statements. An attempt is made to balance the usage of shadows against the needs of each file. This message is issued for every 100th failed attempt to obtain a shadow.

System Action: RSCS will balance the available shadows against the needs of each file for those shadows. An attempt is made to keep the available shadows for a file on links that are most likely to transmit the file. New files that arrive in RSCS's reader are limited to the maximum number of shadows in use by other files even if some free shadows are available.

When RSCS has 1000 free shadows, 500 of them are returned to files on the basis of the number of shadows they already own and the number of shadows they need. When no more files are missing shadows, message 598 is issued and RSCS resumes running in normal mode.

While RSCS will continue to run acceptably in degraded mode, RSCS will be unable to queue files on all links they are eligible for, thus preventing full usage of network resources.

Operator Action: Increase the number of shadows set aside at initialization time by using the SHADOWS configuration file entry and reinitialize RSCS. If reinitializing RSCS is not a viable alternative, alleviate the problem through a reduction in the number of shadows required by RSCS by reducing the number of links through which each node and routing group is routed. If you are not sure what to do, consult your system support personnel.

Destination: R

600I File *spoolid* forward spaced

Explanation: The file identified by *spoolid* has been forward spaced as requested by a preceding RSCS FWDSpace command.

System Action: File transmission continues, beginning from the new file position.

Operator Action: None.

Destination: CO

601E *userid* at *locid* already subscribed to messages for link *linkid* -- command ignored

Explanation: This message is sent to the SET command originator when an attempt is made to subscribe the specified node ID or user ID to messages for a link that it is already subscribed to.

System Action: The command is ignored, and normal RSCS processing continues.

Operator Action: None.

Destination: CO

602E *userid* at *nodeid* not subscribed to messages for link *linkid* -- command ignored

Explanation: This message is issued to the command originator of a SET command with the NOMSG option when the specified node ID or user ID is not subscribed to messages pertaining to the specified link.

System Action: The command is ignored, and normal RSCS processing continues.

Operator Action: None.

Destination: CO

603I *userid* at *locid* is now subscribed to messages for link *linkid*

Explanation: This message is issued to the command originator of the SET command as a confirmation that link monitoring has begun.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

604I *userid at locid is no longer subscribed to messages for link linkid*

Explanation: This message is issued to the command originator of a SET command to confirm that link monitoring activities for the specified link have ceased.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

605E *userid at locid is not subscribed to any messages -- command ignored*

Explanation: This message is issued to the command originator of a SETMSG command with the OFF keyword when the specified node ID or user ID was not subscribed to any RSCS messages.

System Action: The statement is ignored, and normal RSCS processing continues.

Operator Action: None.

Destination: CO

606E *userid at locid is not subscribed to message nnn*

Explanation: This message is issued to the originator of the SETMSG command with the OFF keyword when the specified node ID or user ID is not already subscribed to the specified message number.

System Action: The message number in question is ignored while the rest of the message numbers specified on the SETMSG command are processed; then, normal RSCS processing continues.

Operator Action: None.

Destination: CO

607I *userid at locid is no longer subscribed to message nnn*

Explanation: This message is issued to the command originator of the SETMSG command to confirm that the specified node ID or user ID is now subscribed to the specified message number.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

608E *userid at locid is already subscribed to message nnn*

Explanation: This message is issued to the originator of the SETMSG command with the ON option when the specified node ID or user ID is already subscribed to the requested message number.

System Action: The particular message number is ignored, but the rest of the message numbers on the SETMSG command are processed normally; then, normal RSCS processing continues.

Operator Action: None.

Destination: CO

609I *userid at locid is now subscribed to message nnn*

Explanation: This message is issued to the originator of the SETMSG command with the ON option to confirm that the specified node ID or user ID is now subscribed to the requested message number.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

610I *Link linkid to suspend file transmission*

Explanation: The link identified by *linkid* is attempting to enter hold status. File transmission has not yet been suspended because at the time of command processing, a file was being actively transmitted, and the IMMED option of the RSCS HOLD command was not specified.

System Action: The link remains in hold status. File transmission will be suspended when the processing of currently active output files has been completed.

Operator Action: None.

Destination: CO, R

611I *Link linkid file transmission suspended*

Explanation: This message is issued in response to RSCS HOLD command processing. The link identified by *linkid* has entered hold status, and file transmission has been halted. Either no file was being actively transmitted at the time of command processing, or the link had been in hold status and its active file transmission has completed, or an active file was being transmitted and the IMMED operand was specified.

System Action: The link remains in hold status, and file transmission remains suspended until the link is explicitly freed from hold status. If active file transmission was interrupted, the transmission of the active file resumes from the point at which transmission was interrupted, when the link is removed from hold status. The link continues to process files received from the remote station normally while in hold status.

Operator Action: None.

Destination: CO, R

612E *Link linkid already in hold status*

Explanation: This message is issued in response to RSCS HOLD command processing. The command requested that the link specified by *linkid* be placed in hold status. The link was already in hold status at the time of command processing.

System Action: The link remains in hold status, and the command has no effect.

Operator Action: None.

Destination: CO, R

613I No message numbers specified -- new CRI settings for *userid* at *locid* set as requested

Explanation: The SETMSG command was invoked without any message numbers. In this case, RSCS leaves all message subscriptions as before and adjusts the CRI settings for *userid* at *locid* to the CRI options accompanying the SETMSG command.

System Action: The CRI options for the specified monitoring entry are modified, and normal processing continues.

Operator Action: None.

Destination: CO

614I *userid* at *locid* is no longer subscribed to any message numbers

Explanation: The SETMSG command was invoked with the ALL and OFF options, thus disabling all message subscriptions for the specified *userid* at *locid*.

System Action: All message subscriptions for the monitor entry are disabled, and normal processing continues.

Operator Action: None.

Destination: CO

615I *userid* at *locid* is now subscribed to all message numbers

Explanation: The SETMSG command was invoked with the ALL and ON options, thus subscribing the specified *userid* at *locid* to all messages that usually appear on the RSCS console.

System Action: The monitor entry is subscribed to all RSCS console messages, and normal processing continues.

Operator Action: None.

Destination: CO

616E User *userid* not receiving subscribed messages

Explanation: A user on the local system who has been subscribed to messages by using the SETMSG command or statement is unable to receive the messages. This message is issued for every 100th occurrence of RSCS's inability to send copies of subscribed messages to the user.

System Action: The subscription is ignored, and normal RSCS processing continues.

Operator Action: If the virtual machine in question is a service machine, check to make sure that it has not become disabled. If the subscription is no longer desired, issue the appropriate SETMSG command to unsubscribe the user from RSCS messages.

Destination: CO, R

617I Link *linkid* file reception suspended

Explanation: A "HOLD *linkid* INPUT" has been issued against a link by an authorized operator or by the RSCS SLOWDOWN facility. Incoming traffic has been suspended on the link.

System Action: Normal RSCS processing continues; in particular, outgoing traffic may continue to flow on the link.

Operator Action: If the command was issued from the

SLOWDOWN facility, the operator may wish to check into the cause of the influx of files into RSCS.

Destination: CO, R

618I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to the following command:

- Query System SET.

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For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see the *VM/RSCS: Operation and Use* book. For more information about tailoring columnar messages to meet your specific needs, see "Creating Columnar Messages" on page 107. For more information about deciphering language-independent columnar messages, see "Understanding Language-Independent Messages" on page 125.

System Action: None.

Destination: CO

619I Message exceeded maximum length -- column(s) truncated

Explanation: This message is issued after the 620I summary message in response to a QUERY command that specified too many options following the SHOW keyword.

System Action: The truncated response has been sent to the command originator. Any column that would have caused the message to exceed 132 characters has been omitted.

Operator Action: Reduce the number of options after the SHOW keyword, and issue the QUERY command again.

Destination: CO

620I *nnnn* {*dest* | *dests* | *route* | *routes* | *reroute* | *reroutes* | *link* | *links* | *file* | *files* | *port* | *ports* | *exit* | *exits* | *event* | *events* | *group* | *groups* | *node* | *nodes* | *subscription* | *subscriptions* | *task* | *tasks*} {*found* | *changed*}

Explanation: This message is issued at the end of one or more QUERY responses to summarize the number of matched items found. The message is issued only when using the QUERY command involving one or more qualifiers. The "changed" dictionary item is used for the EXIT command summary.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

621E QUERY command too long -- cannot be propagated

Explanation: A QUERY command that should be propagated ("QUERY *locid* PATH," "QUERY FILES ... TO *locid* *userid*," or "QUERY QUEUES ... TO *locid* *userid* ...") is too large to accommodate the unique identifier RSCS seeks to place in it. This identifier is used to filter duplicate copies of the QUERY command resulting from a split and subsequent convergence of paths to the ultimate node ID.

System Action: The command is executed on the node that reflects the error message, but it is not propagated to subsequent nodes on the path toward the target node.

Operator Action: Reduce the number of filters specified on the QUERY command and try again. The unique system identifier requires 25 bytes available in the QUERY command element.

Destination: CO

System Action: None.

Destination: CO

622I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to the following command:

- Query System SETMsg DISPlay *nnn*.

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System Action: None.

Destination: CO

625I No ports available

Explanation: This message is issued in response to an RSCS QUERY SYSTEM PORTS command. At the time of command execution, no switchable ports had been defined to RSCS. (Switchable ports are defined to RSCS by the PORT statement in the RSCS configuration file.)

System Action: None.

Operator Action: None.

Destination: CO

626I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to the following command:

- Query System Ports.

Explanation: RSCS issues this columnar message in response to a QUERY SYSTEM PORTS command. Most RSCS messages are sentences or phrases. RSCS columnar messages are tables of information that have one or more rows of header lines followed by lines of variable information. You can tailor most columnar messages to fit your specific needs. Because they are tailorable, we cannot show all the possible combinations of rows and columns.

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System Action: None.

Destination: CO

623I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to one of the following commands:

- Query System SETMsg
- Query System SETMsg DISPlay ALL.

Most RSCS messages are sentences or phrases. RSCS columnar messages are tables of information that have one or more rows of header lines followed by lines of variable information. You can tailor most columnar messages to fit your specific needs. Because they are tailorable, we cannot show all the possible combinations of rows and columns.

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627I/E Port *vaddr* is in use by link *linkid*

Explanation: The device at address *vaddr* was requested to be enabled for receiving calls, or a link was requested to be started on *vaddr*, but the link *linkid* was active on that address. This message is also issued in response to an RSCS QUERY SYSTEM PORTS command. (Either this message, 626I, 628I, or 629I is issued once for each port defined by a PORT statement in the RSCS configuration file or by a PORT command.)

System Action: The device is not enabled; the link is not started. Normal processing continues.

Operator Action: None.

Destination: CO

628I Port *vaddr* enabled, trace={all | log | rec | none}

Explanation: The device at address *vaddr* has been enabled for use by an auto-answer task by using the ENABLE command. This message is also issued in response to an RSCS QUERY SYSTEM PORTS command. (Either this message, 626I, 627I, or 629I is issued once for each port defined by a PORT statement in the RSCS configuration file or by a PORT command.)

all indicates that the full-buffer trace option is active for the port and that the partial-buffer trace option is inactive.

log indicates that the partial-buffer trace option is active for the port and that the full-buffer trace option is inactive.

rec indicates that the records option is active for the port and that the logging of NJE record segments sent and received on this link has started.

none indicates that no trace option is active for the port.

System Action: The port at address *vaddr* is available for a link to be started on it automatically when an appropriate SIGNON record is received by RSCS.

Operator Action: None.

Destination: CO, R

630I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to one of the following commands:

- Query NODE *nodeid* Parentgroup
- Query NODE *nodeid* Rootgroup
- Query System NODEs DISPlay Parentgroup
- Query System NODEs DISPlay Rootgroup.

Most RSCS messages are sentences or phrases. RSCS columnar messages are tables of information that have one or more rows of header lines followed by lines of variable information. You can tailor most columnar messages to fit your specific needs. Because they are tailorable, we cannot show all the possible combinations of rows and columns.

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Destination: CO

631I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to one of the following commands:

- Query GRoup *groupid* Files
- Query System GRoups DISPlay Files.

Most RSCS messages are sentences or phrases. RSCS columnar messages are tables of information that have one or more rows of header lines followed by lines of variable information. You can tailor most columnar messages to fit your specific needs. Because they are tailorable, we cannot show all the possible combinations of rows and columns.

For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see the *VM/RSCS: Operation and Use* book. For more information about tailoring columnar messages to meet your specific needs, see “Creating Columnar Messages” on page 107. For more information about deciphering language-independent columnar messages, see “Understanding Language-Independent Messages” on page 125.

System Action: None.

Destination: CO

632I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to one of the following commands:

- Query GRoup *groupid* Parentgroup
- Query GRoup *groupid* Rootgroup
- Query System GRoups DISPlay Parentgroup
- Query System GRoups DISPlay Rootgroup.

Most RSCS messages are sentences or phrases. RSCS columnar messages are tables of information that have one or more rows of header lines followed by lines of variable information. You can tailor most columnar messages to fit your specific needs. Because they are tailorable, we cannot show all the possible combinations of rows and columns.

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System Action: None.

Destination: CO

633E List processing link cannot be the target of a route

Explanation: An attempt has been made to enter a temporary route definition with the list processor link as the intermediate link. The attempt was unsuccessful because the list processor expects a special format of input files and cannot be used as an intermediate link.

System Action: The command is ignored.

Operator Action: None.

Destination: CO

635I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to one of the following commands:

- Query GRoup *groupid*
- Query GRoup *groupid* Links
- Query System GRoups
- Query System GRoups DISPlay Links.

Most RSCS messages are sentences or phrases. RSCS columnar messages are tables of information that have one or more rows of header lines followed by lines of variable information. You can tailor most columnar messages to fit your specific needs. Because they are tailorable, we cannot show all the possible combinations of rows and columns.

For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see the *VM/RSCS: Operation and Use* book. For more information about tailoring columnar messages to meet your specific needs, see “Creating Columnar Messages” on page 107. For more information about deciphering language-independent columnar messages, see “Understanding Language-Independent Messages” on page 125.

System Action: None.

Destination: CO

636I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to one of the following commands:

- Query *nodeid*
- Query NODE *nodeid*
- Query NODE *nodeid* Links
- Query System NODEs
- Query System NODEs DISPlay Links.

Most RSCS messages are sentences or phrases. RSCS columnar messages are tables of information that have one or more rows of header lines followed by lines of variable information. You can tailor most columnar messages to fit your specific needs. Because they are tailorable, we cannot show all the possible combinations of rows and columns.

For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see the *VM/RSCS: Operation and Use* book. For more information about tailoring columnar messages to meet your specific needs, see “Creating Columnar Messages” on page 107. For more information about deciphering language-independent columnar messages, see “Understanding Language-Independent Messages” on page 125.

System Action: None.

Destination: CO

637E {Node | Group} *id* not routed

Explanation: This message is in response to an RSCS ROUTE *locid* OFF command. The specified *locid* was not defined for indirect routing at the time of command processing.

System Action: No action is taken, and normal processing continues.

Operator Action: Enter the command again, if it was entered in error.

Destination: CO

638E File *spoolid (origid)* has no backup route -- route not deactivated

Explanation: A ROUTE command with the OFF option was specified. The result of this action would be that the file identified by *spoolid* would be purged by RSCS. RSCS will always attempt to prevent operators from deleting routes that cause files to be purged.

System Action: The command is ignored, and normal processing continues.

Operator Action: Issue a ROUTE command to define a route that will “catch” the node through which the file is being routed, and reissue the command to delete the original route.

Destination: CO

639I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to the following command:

- Query GRoup *groupid* Nodes.

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For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see the *VM/RSCS: Operation and Use* book. For more information about tailoring columnar messages to meet your specific needs, see “Creating Columnar Messages” on page 107. For more information about deciphering language-independent columnar messages, see “Understanding Language-Independent Messages” on page 125.

System Action: None.

Destination: CO

640I *nn* file(s) purged on link *linkid*

Explanation: The number of files denoted by *nn* that were enqueued on the link specified by *linkid* have been purged from the system in response to an RSCS PURGE command.

System Action: The files' virtual storage tags are dequeued, and the tag slots are released. Pending files for the link are accepted if a sufficiently large number of free tag slots results.

Operator Action: None.

Destination: CO, R

641I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to the following command:

- Query GRoup *groupid* GRoups.

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For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see the *VM/RSCS: Operation and Use* book. For more information about tailoring columnar messages to meet your specific needs, see “Creating Columnar Messages” on page 107. For more information about deciphering language-independent columnar messages, see “Understanding Language-Independent Messages” on page 125.

System Action: None.

Destination: CO

642I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to the following command:

- Query System SChedule.

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System Action: None.

Destination: CO

643I No events scheduled

Explanation: This message is issued in response to a QUERY SYSTEM SCHEDULE command when no events are scheduled to occur. As RSCS keeps a “midnight” event on the queue to remind itself to reload the event manager configuration file, the only time this message can be issued is during a small window at midnight.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

644E File *spoolid (orgid)* cannot be transferred -- no list processor defined

Explanation: You attempted to transfer a file to a local user or to a non-networking link, but spool file *spoolid (orgid)* is an NJE store-and-forward file. NJE store-and-forward files contain NJE headers as part of the spool file. A list processor link must exist to convert the file to a format suitable for delivery to your requested new destination.

System Action: Normal system operation continues.

Operator Action: Contact the support personnel at your installation and ask them to define a list processor link.

Destination: FO, R

645I *nn* file(s) transferred on link *linkid*

Explanation: The number of files denoted by *nn* that were enqueued on the link specified by *linkid* have been readdressed to a new destination in response to an RSCS TRANSFER command.

System Action: The destination address for the file or files is permanently changed, and the files are requeued to their new destination by a file queue reorder performed by TRANSFER command processing.

Operator Action: None.

Destination: CO, R

646E File *spoolid (origid)* cannot be {changed | transferred} -- multiple dataset headers in file

Explanation: This message is issued in response to an RSCS CHANGE or TRANSFER command for a store-and-forward file that contains multiple imbedded data set headers. The file is identified by *spoolid (origid)*. The file either was addressed to more than one destination, or it contains more than one SYSOUT data set, or both.

System Action: The command is ignored and normal processing continues.

Operator Action: None.

Destination: CO

647E File *spoolid (origid)* cannot be changed -- no 3800 section in file

Explanation: This message is issued in response to an RSCS CHANGE command for a store-and-forward file that did not contain an NJE 3800 data set header section. The file is identified by *spoolid (origid)*. Because the file contained no 3800 information when it was created, the following CHANGE command operands cannot be used to add this information to the file: COPY *nnn, FLASH, MODIFY, and CHARS.

System Action: The command is ignored, and normal processing continues.

Operator Action: None.

Destination: CO

653I Link *linkid* default *type* line = *vaddr* LUName = *luname* logmode = *logmode* {retry = yes | retry = no}

Link *linkid* class *class* {queueing = priority | queueing = size | queueing = FIFO} {autostart = yes | autostart = no} DP = *dp*

Explanation: This message is issued in response to a DEFINE command for a new or existing link.

type is the name of the default link driver defined for the link.

luname is the logical unit name for the system or device that is to be used by the link when it is activated.

vaddr is the virtual address of the line port in use by the link (used for non-SNA links only).

logmode is the logon mode table entry name for an SNA link (SNA links only).

retry indicates if this link will attempt a delayed restart if certain errors occur (such as a DIAL CCW or an SNA error).

class indicates the default class or classes of files that may be processed by the link when it is active.

queueing indicate the priority that the files are queued (low-numbered priority first) and size within priority (small files first).

autostart indicates if this link is to be automatically started when transmittable files are queued to it.

dp is the dispatching priority.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

654I Link *linkid* status **sending = s receiving = r queued = q looping = l held = h**

Explanation: This message is issued in response to an RSCS QUERY *linkid* QUEUE command. The status of the file queue for the link identified by *linkid* is described as follows:

intreq

indicates that the line driver associated with the link is operational, but an intervention-required condition exists at the connected device. This status can appear only for 3270P-, SNA3270P-, and TN3270E- type links.

released

indicates that the line driver associated with the link is operational, but is temporarily not transmitting files or messages because the connected device has been released to another TCP/IP or VTAM application. This status can appear only for LPR-, SNA3270P-, and UFT-type links.

connect

indicates that the line driver associated with the link is operational and capable of transmitting and receiving files, messages, and commands.

active

indicates that the line driver associated with the link is operational, but the necessary initialization sequences have not yet been completed. For example, if the remote device is a work station on a switched line, the communications equipment may not yet be dialed. Or, the communications equipment may be connected, but RSCS is waiting for the remote work station or system to transmit a SIGNON record.

retry-wait

the line driver associated with the link is waiting for a time period to finish before starting again.

dial-queue

the line driver associated with the link is in process of being activated, but is not yet operational, because the dial manager task is waiting for a switched BSC port to become available. This status can appear only for NJE-, RJE-, or MRJE-type links that have been auto-started with no port address specified (that is, RSCS selects the port address from the port table).

starting

the line driver associated with the link is in process of being activated, but is not operational. This status can appear only for SNA3270P-type links.

RPL-wait

indicates that there is no SIMLOGON RPL available for the SNA Control task to use in order to process a start command for an SNA session driver. This status will occur only for SNA links.

logon-wait

indicates that the SIMLOGON request has been completed and RSCS is waiting for VTAM to send notification to start the session.

inactive

the line driver associated with the link has not been activated.

The sending, receiving, queued, looping, and held descriptions are as follows:

s is the number of files being actively transmitted (sent) on the link.

r is the number of files being actively received on the link.

q is the number of files accepted and enqueued for transmission on the link.

l is the number of looping files on the link.

h is the number of files in hold state on the link.

System Action: An additional message (659) is issued for each file accepted and enqueued on the link, describing the status of each such file.

Operator Action: None.

Destination: CO

659I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to one of the following commands:

- Query Files
- Query *linkid* Active
- Query *linkid* Queues
- Query Queues.

Most RSCS messages are sentences or phrases. RSCS columnar messages are tables of information that have one or more rows of header lines followed by lines of variable information. You can tailor most columnar messages to fit your specific needs. Because they are tailorable, we cannot show all the possible combinations of rows and columns.

For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see the *VM/RSCS: Operation and Use* book. For more information about tailoring columnar messages to meet your specific needs, see "Creating Columnar Messages" on page 107. For more information about deciphering language-independent columnar messages, see "Understanding Language-Independent Messages" on page 125.

System Action: None.

Destination: CO

664E File *spoolid* not found

Explanation: This message is issued in response to one of the following RSCS commands:

```
CHANGE spoolid
FLUSH spoolid
QUERY FILES OSPID spoolid
QUERY FILES SPID spoolid
PURGE spoolid
TRANSFER spoolid
```

The file identified by *spoolid* could not be found by RSCS, meaning that the file is not owned by the RSCS virtual machine.

System Action: None.

Operator Action: Verify that the spool file ID was correctly entered. If it was not, enter the command again with the correct spool file identifier. If it was correctly entered, enter the command again after some time has elapsed to allow the file to move to enqueued status.

Destination: CO

665I No file active

Explanation: This message is issued in response to an RSCS QUERY *linkid* ACTIVE command. At the time of QUERY command processing, no file was being actively transmitted on the specified link.

System Action: None.

Operator Action: None.

Destination: CO

667I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to the following command:

- Query System REroutes.

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System Action: None.

Destination: CO

672I No node defined

Explanation: Issued in response to QUERY SYSTEM NODES command when no nodes have been defined.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

673I No link defined

Explanation: This message is issued in response to an RSCS QUERY SYSTEM command. RSCS had no link defined at the time of command processing.

System Action: None.

Operator Action: None.

Destination: CO

674I No files queued on {link | node} id

Explanation: This message is in response to a QUERY *linkid* QUEUES or a QUERY SYSTEM QUEUES command when no files are queued on the link or no files exist in the RSCS machine.

System Action: None.

Operator Action: None.

Destination: CO

675E File *filename* GCS not found -- exec not executed

Explanation: Issued because a link has terminated and requested the invocation of a restart exec, or an RSCS EXEC command has been issued. The exec file could not be found by the system.

System Action: The restart request or the exec command is ignored, and normal processing continues.

Operator Action: Verify that the file name was correctly entered on the exec command line, and that the specified exec file has a file type of “GCS”. If an error is found, enter the exec command again. If no error is found and the condition persists, notify local RSCS support personnel.

Destination: CO

677I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to one of the following commands:

- Query *linkid*
- Query LINKs
- Query System
- Query System Active
- Query System Links
- Query System Queues.

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System Action: None.

Destination: CO

678I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to the following command:

- Query System Counts.

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System Action: None.

Destination: CO

680I {All | Files | Messages | Not received messages} for *locido (userid)* now rerouted to *locid (userid)*

Explanation: Issued in response to an RSCS REROUTE command.

System Action: An entry will be created in the system reroute table corresponding to the information entered on the command.

All means everything (files and messages) are being rerouted.

Files means files only (not messages) are being rerouted.

Messages means messages only (not files) are being rerouted.

Not received messages

means messages for the user ID at the local node are being rerouted when the user is unable to receive because of being logged off, not receiving, disconnected, and so on.

locido (userid)

the original destination and recipient of the files or messages.

locid (userid)

the new destination and recipient of the files or messages.

Operator Action: None.

Destination: CO

681I {All | Files | Messages | Not received messages} reroute for *locid (userid)* deactivated

Explanation: Issued in response to an RSCS REROUTE OFF command.

System Action: An entry will be deleted from the system reroute table corresponding to the information entered on the command.

All indicates that rerouting for everything (files and messages) will be canceled.

Files indicates that rerouting for files only (not messages) will be canceled.

Messages indicates that rerouting for messages only (not files) will be canceled.

Not received messages

indicates that rerouting for messages for the user ID at the local node, which are being rerouted when the user is unable to receive, will be canceled.

locid (userid)

is the destination and recipient to which the files or messages were being rerouted.

Operator Action: None.

Destination: CO

682I No reroutes in effect

Explanation: Issued in response to a valid RSCS REROUTE OFF or QUERY SYSTEM REROUTES command, but no reroutes were in effect.

System Action: Rerouting is not performed; normal processing continues.

Operator Action: None.

Destination: CO

683E Reroute not in effect

Explanation: Issued in response to an RSCS REROUTE OFF command when no reroute was found in the table.

System Action: The command is ignored and normal processing continues.

Operator Action: Enter the command again correctly.

Destination: CO

685E Reroute already in effect for *locid (userid)*

Explanation: Issued in response to a valid RSCS REROUTE command, but a reroute table entry already exists for *locid (userid)*, the original destination and recipient of the files or messages.

System Action: The command is ignored, and normal processing continues.

Operator Action: Enter the REROUTE commands again in the correct order.

Destination: CO

686E Invalid reroute specification

Explanation: Issued in response to an RSCS REROUTE command that would cause files or messages to be rerouted to their original destination.

System Action: The command is ignored, and normal processing continues.

Operator Action: Enter the command again correctly.

Destination: CO

687I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to the following command:

- Query System Dest.

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System Action: None.

Destination: CO

688I No destination identifiers defined

Explanation: This message is issued in response to an RSCS QUERY SYSTEM DEST command when there are no destination identifiers defined for the queried RSCS system.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

689I RSCS local ID *locid* application ID *applid*

Explanation: This message is issued in response to a QUERY SYSTEM LOCAL command.

locid is the local node identifier.

applid is the name by which ACF/VTAM knows RSCS. This name is the name specified on the NETWORK command, or if not specified there, it is the same as *locid*.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

691I Shift is set to *n*

Explanation: Issued in response to QUERY SYSTEM SHIFT.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO, R

692I/E No exit routines loaded

Explanation: This message is issued in response to an RSCS EXIT or QUERY SYSTEM EXITS command, but no exit routines had been loaded for any exits.

System Action: For an EXIT command, the command is ignored, and normal processing continues. For a QUERY SYSTEM EXITS command, normal processing continues.

Operator Action: None.

Destination: CO

693I {Hops monitoring | Immediate loop checking} {enabled | disabled}

Explanation: This message is issued to the LOOPING command originator and the RSCS console to confirm that the requested type of loop checking has been enabled or disabled, as requested.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO, R

694E {Hops monitoring | Immediate loop checking} already {enabled | disabled}

Explanation: This message is sent to the LOOPING command originator and the RSCS console when a request is made to enable or disable a part of the loop checking mechanism in RSCS that is already enabled or disabled.

System Action: The command is ignored, and normal RSCS processing continues.

Operator Action: None.

Destination: CO, R

695I *locid* is the local node

Explanation: This message is returned to the originator of a QUERY *locid* or QUERY *locid* PATH command when the specified node ID is the local node.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

696I <<<<< Columnar Message >>>>>

Explanation: RSCS issues this columnar message in response to one of the following commands:

- EXIT
- Query System EXits.

Most RSCS messages are sentences or phrases. RSCS columnar messages are tables of information that have one or more rows of header lines followed by lines of variable information. You can tailor most columnar messages to fit your specific needs. Because they are tailorable, we cannot show all the possible combinations of rows and columns.

For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see the *VM/RSCS: Operation and Use* book. For more information about tailoring columnar messages to meet your specific needs, see "Creating Columnar Messages" on page 107. For more information about language-independent columnar messages, see "Understanding Language-Independent Messages" on page 125.

System Action: None.

Destination: CO

697I accept message = {yes | no}, enqueue message = {yes | no}, sent message = {yes | no}, final message = {yes | no}, loop checking = {all | hops | immediate | none}, maximum hopcount = *hh*, remote listproc = {yes | no}, maximum dsh = *ddd*, message skip = *ss*, jobname setting = *value*, secure origin id = {yes | yes by default | no | no, by default}, VAFP option = {yes | no}, 5 DIGIT = {yes | no}, QUERY message limit = {yes | no}

Explanation: This message is issued in response to a QUERY SYSTEM OPTIONS command. Values for the following system-wide options are displayed:

- message suppression
- loop checking
- list processor default
- maximum data set header transmit count
- message buffer skip count
- networking driver jobname setting

- secure origin ID
- VAFP setting
- 5-digit spool ID support
- Query message limit value

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

698I Slowdown start = *nnnn*, stop = *nnnn*

Explanation: Issued in response to QUERY SYSTEM SLOWDOWN command.

System Action: Normal processing continues.

Operator Action: None.

Destination: CO

699I Time zone offset is *hh* {hours | hour} *mm* {minutes | minute} *ss* {seconds | second} {west of GMT | east of GMT | GMT}

Explanation: This message is issued in response to a QUERY SYSTEM ZONE command and indicates the time zone offset with which the operating system that RSCS is running on has been generated. This information may be needed to verify the accuracy of accounting records.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

700I Activating link *linkid* type line = *vaddr* class = *class* {queueing = priority | queueing = size | queueing = FIFO}

Explanation: Issued when a link is being activated.

type the name of the link type of the activated link.

vaddr is the virtual device address of the line port in use by the link (used for non-SNA links only).

class the class or classes of files that can be processed by the activated link.

priority indicates that files are queued by priority (low-numbered priority first) and size within priority (small files first).

size indicates that files are queued by size (small files first).

FIFO indicates that arriving files will be queued by spool file creation time.

System Action: The activated link remains active, and the listed attributes remain in effect, until the link is deactivated, or the attributes are explicitly modified. The link is activated whether or not a line connection is complete to the remote location. Active exchange of files, commands, and messages will begin as soon as the remote location has been appropriately initialized, and the communications line has been established.

Operator Action: None.

Destination: CO, R

701E No switched line available -- link *linkid* not activated

Explanation: An attempt was made to activate the link identified by *linkid* with no specified line port virtual device address. The link had no defined default line port address, and no common switched line ports were available at the time of command processing.

System Action: The command processing is terminated, the link remains inactive, and normal processing continues.

Operator Action: Enter the command again with a specified line port address, or enter it when a common switched line port becomes available.

Destination: CO

702E Line *vaddr* is in use by link *linkid1* -- link *linkid2* not activated

Explanation: An attempt was made to activate the link identified by *linkid2*. The line port virtual device address specified in the request to activate the link, identified by *vaddr*, was in use by another active link, identified by *linkid1*, at the time of command processing.

System Action: Command processing is terminated, the command has no effect, and normal processing continues.

Operator Action: Enter the command again with a specified line port address not in use by another active link; or enter it with no line port address specified, in which case RSCS will try to reserve and utilize a valid line port.

Destination: CO

703E Device *vaddr* is not a line port -- link *linkid* not activated

Explanation: An attempt was made to activate the link identified by *linkid* with a line port address identified by *vaddr*. A virtual device at address *vaddr* exists, but it is not a usable line port type device.

System Action: Command processing is terminated, the link remains inactive, and normal processing continues.

Operator Action: Enter the command again with a specified line port address that is valid and available; or enter it with no line port address at all, in which case RSCS will try to select and reserve a common switchable line port.

Destination: CO

704E Line *vaddr* CC=3 not operational -- link *linkid* not activated

Explanation: An attempt was made to activate the link identified by *linkid* with a line port address identified by *vaddr*. Either no device was defined for the RSCS virtual machine at virtual address *vaddr*, or the device at that address was logically disconnected from the I/O system.

System Action: Command processing is terminated, the link remains inactive, and normal processing continues.

Operator Action: Enter the command again with a specified line port address that is valid and operational; or enter it with no line port address at all, in which case the system will try to select and reserve a common switchable line port.

Destination: CO

705E Link type not defined -- link *linkid* not activated

Explanation: Issued because an RSCS START command for an inactive link identified by *linkid* was issued, but the link type had not previously been specified, either on the LINK or LINKDEFINE configuration file statements or by the RSCS DEFINE command.

System Action: The command is ignored, and normal processing continues.

Operator Action: Enter the command again, specifying a link type, or enter a DEFINE command to cause the link type to be changed, and then enter the previously invalid START command again.

Destination: CO

706E Line *vaddr* is in use for auto-answer -- link *linkid* not activated

Explanation: Link *linkid* was requested to be started on the line at address *vaddr*, but an auto-answer link had use of that line.

System Action: The link is not started, and the command is ignored. Normal processing continues.

Operator Action: None.

Destination: CO

707I Activating link *linkid* type LUNAME=*luname* class=*cccc* {*queueing* = *priority* | *queueing* = *size* | *queueing* = *FIFO*} LOGMODE = *logmode*

Explanation: This message is issued to the start command originator and the RSCS console when an incoming SIMLOGON request causes an SNA driver to be activated.

type the name of the link type of the activated link

class the class or classes of files that can be processed by the activated link

priority indicates that files are queued by priority (low-numbered priority first) and size within priority (small files first)

size indicates that files are queued by size (small files first)

FIFO indicates that arriving files will be queued by spool file creation time.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: R, SCO

708E Virtual storage capacity exceeded -- link *linkid* processing terminated

Explanation: During link activation or normal link processing, a GETMAIN request could not be met for the link identified by *linkid* because there was insufficient virtual storage available for allocation by GCS. This message will also be issued when DMTSEP returns a nonrecoverable return code indicating that the GETMAIN to request storage for the separator page failed.

System Action: START command processing of the affected link driver is terminated. Other RSCS supervisor and link driver processing continues.

Operator Action: Attempt to restart the link later, when more virtual storage may be available. Deactivating another

link will increase available virtual storage. If this situation occurs regularly, notify the VM system programmer to allocate more storage for the RSCS virtual machine in the VM directory.

Destination: CO, R

709E For linktype *type*, module *modname* is not loadable -- link *linkid* not activated

Explanation: A START command has been issued for a link whose type was defined using the LINKTYPE statement in the configuration file. The module entry point name specified on the LINKTYPE is not loadable.

System Action: The START command is ignored, and normal RSCS processing continues.

Operator Action: Check to see if the entry point name on the LINKTYPE statement was specified correctly. Also check that the load library the module is in was specified on the GLOBAL command issued to GCS. Correct the error and restart RSCS.

Destination: CO, R

711E Device *vaddr* is incompatible type -- link *linkid* not activated

Explanation: Issued because an RSCS START command was issued, for the link identified by *linkid*, that specified a device type that was incompatible with the telecommunication adapter supported by the link driver associated with the link.

System Action: The command is ignored and normal processing continues.

Operator Action: Check to see that the RSCS configuration is correct. If not, notify local RSCS support personnel. If an incorrect address was specified inadvertently, enter the command again with a correct address.

Destination: CO

712E Command rejected -- device *vaddr* is reserved

Explanation: Issued because an RSCS START or DEFINE command was issued that specified a device address, *vaddr*, that was within the range reserved for the unit record device pool.

System Action: The command is ignored, and normal processing continues.

Operator Action: Check to see that the CHANNELS control statement for the RSCS configuration file is correct. If not, notify local RSCS support personnel. If an address was specified incorrectly, enter the command again with a correct address.

Destination: CO

713E Command rejected -- LUNAME *luname* already specified for link *linkid*

Explanation: Issued because an RSCS START or DEFINE command was issued, for the link identified by *linkid*, that specified an LUNAME parameter already being used by another link.

System Action: The command is ignored, and normal processing continues.

Operator Action: Check to see that the RSCS configuration is correct. If not, notify local RSCS support personnel. If an incorrect *luname* was specified inadvertently, enter the command again with a correct *luname*.

Destination: CO

714E Command rejected -- command invalid for SNA-type link

Explanation: An RSCS FORCE command cannot be used on an SNA-type link.

System Action: The FORCE command that you issued was ignored.

Operator Action: To terminate an SNA-type link, use either the DRAIN or STOP command.

If you must force the termination of an SNA-type link, you must do it through VTAM. Issue the VTAM VARY INACT command for the appropriate *luname*.

Destination: CO

716E Channel skip *ch* detected in file *spoolid* on link *linkid* is not defined for FCB name *fcname*

Explanation: An SNA3270P or 3270P printer link driver, started with the FCB=*fcname* parameter option, encountered a channel-skip that is not defined for the FCB image currently being processed.

System Action: Processing is terminated for the indicated file. The file is flushed and held.

Operator Action: Three options are available:

- Use the RSCS CHANGE command to change the *fcname* for the file.
- Stop the link and restart it, specifying FCB=IGNORE (the default).
- Purge the file using the RSCS PURGE command.

User Action: Two options are available:

- Use the RSCS CHANGE command (by using SMSG) to change the *fcname* for the file.
- Purge the file using the RSCS PURGE command (by using SMSG).

Destination: FO, R, RS

717E Value(s) specified in a line-channel pair for FCB statement invalid or out of range

Explanation: The line or channel number specified in a configuration file FCB statement is not in the allowed range of values. Each pair must contain the line number (1 through 256), a space, and the channel number (1 through 12) to be assigned to that line.

System Action: The FCB statement containing the error is ignored. Processing continues.

Operator Action: Correct the error in the RSCS configuration file, and reinitialize RSCS. If you are unsure what to do, contact your system support personnel.

Destination: R

718W Duplicate line specifications in FCB statement for FCB name *fcname* -- statement ignored

Explanation: A line number in the line-channel pairs of a single RSCS configuration file FCB statement is specified more than once.

System Action: The FCB statement containing the error is ignored. Processing continues.

Operator Action: Correct the error in the RSCS configuration file.

Destination: R

719W Invalid FCB name specified

Explanation: The FCB name specified on an RSCS configuration file statement or RSCS command was not valid. An FCB name must be 1 to 4 alphanumeric characters in length.

System Action: The statement or command is ignored.

Operator Action: Correct the configuration file statement and reinitialize RSCS, or reissue the command with a valid FCB name.

Destination: R, CO

720W FCB name *fcname* not defined by an FCB statement in the configuration file -- statement ignored

Explanation: A LINKDEFINE configuration file statement refers to an FCB image that is not previously defined by an FCB statement. This may have been caused by coding the LINKDEFINE statement prior to the FCB statement which defines the FCB image it refers to. An FCB statement must precede any LINKDEFINE statements that refer to the *fcname* it defines.

System Action: The statement or command is ignored.

Operator Action: Correct the problem in the configuration file and reinitialize RSCS.

Destination: R, RS

721W Command rejected -- FCB name *fcname* not defined by an FCB statement in the configuration file

Explanation: A DEFINE or START command specifies an FCB image that is not defined by an FCB statement in the configuration file. An FCB statement must define the *fcname* specified on the DEFINE or START command.

System Action: The command is ignored.

Operator Action: Verify that the *fcname* specified on the command is correct. If it is, you may want to add an FCB statement to the configuration file to define the FCB image desired. If the *fcname* specified on the DEFINE or START command is incorrect, issue the command again and specify the correct *fcname*.

Destination: CO, R

-
- 738I** *nodeid1* routed through generic route for *nodeid2*
- Explanation:** A “QUERY NODE *nodeid* ROOTGROUP” command was issued for a node that has not been explicitly defined to RSCS. The node is routed through the use of the generic node specified in the message.
- System Action:** Normal RSCS processing continues.
- Operator Action:** None.
- Destination:** CO
-
- 739I** No groups defined
- Explanation:** Issued in response to QUERY SYSTEM GROUPS command when no groups have been defined.
- System Action:** Normal RSCS processing continues.
- Operator Action:** None.
- Destination:** CO
-
- 740I** {Node | Group} *id* routed through {primary | alternate} link *linkid*
- Explanation:** Multiple copies of this message may be issued to the originator of a ROUTE command that routes a node or a group of nodes to one or more primary and alternate links. These messages confirm the effect of the ROUTE command.
- System Action:** The routes outlined in the ROUTE command take effect, the file queues are updated to reflect this change, and normal RSCS processing continues.
- Operator Action:** None.
- Destination:** CO, R
-
- 741I** {Node | Group} *id* added to group *groupid*
- Explanation:** Issued in response to the ROUTE command request to add a node or a group to an existing routing group.
- System Action:** Normal RSCS processing continues.
- Operator Action:** None.
- Destination:** CO
-
- 742I** Route for node *locid* deleted
- Explanation:** This message is returned in response to a ROUTE *locid* OFF command. It confirms the deletion of a node by the name *locid* from RSCS's routing tables. The fact that RSCS allowed the deletion of this node implies that any files depending on this node entry are now depending on a less specific generic node entry.
- System Action:** The specified *node* is deleted from RSCS's routing table, the file queues are updated to reflect this change, and normal processing continues.
- Operator Action:** None.
- Destination:** CO, R
-
- 743E** Group *groupid* still contains {node | group} *id* -- it cannot be deleted
- Explanation:** A ROUTE command that was invoked with the GROUP and OFF options attempted the deletion of a nonempty routing group. Any routing group can contain nodes and other subordinate routing groups. RSCS will only allow empty routing groups to be deleted.
- System Action:** The command is ignored, and normal RSCS processing continues.
- Operator Action:** Remove all nodes and groups from the group you are trying to delete. Issue successive ROUTE commands to direct these nodes or groups elsewhere, and finally reissue the command to delete the routing group.
- Destination:** CO
-
- 744E** Duplicate link *linkid* specified
- Explanation:** A ROUTE command specifying a list of links as targets for a node or group of nodes contained two matching link IDs. All links listed in the ROUTE command must be unique.
- System Action:** The RSCS command or statement is ignored and normal processing continues.
- Operator Action:** Remove the duplicate *linkid* from the ROUTE command or statement. Reissue the command or reinitialize RSCS to pick up the correction.
- Destination:** CO
-
- 745I** Group *groupid* deleted
- Explanation:** This message confirms that the ROUTE *groupid* OFF command was accepted by RSCS and that the specified group has been deleted from RSCS routing group table.
- System Action:** The routing group identified by *groupid* is deleted from RSCS's routing table, the file queues are updated to reflect this change, and normal processing continues.
- Operator Action:** None.
- Destination:** CO, R
-
- 746I** Group *groupid* routed to group *to-groupid*
- Explanation:** An RSCS ROUTE command routed one routing group to another routing group. The *groupid* thus becomes a subordinate routing group of the *to-groupid* and depends on the *to-groupid* for all of its routing information.
- System Action:** The routing group *groupid* becomes a subordinate group of the routing group *to-groupid*. The file queues are updated to reflect this change, and normal processing continues.
- Operator Action:** None.
- Destination:** CO
-

7471 Group *groupid* contains no {nodes | groups}

Explanation: A QUERY GROUP *groupid* SHOW NODES or QUERY GROUP *groupid* SHOW GROUPS command was issued against a group that contained no groups or nodes, respectively.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

748I Node *locid* routed to group *groupid*

Explanation: An RSCS ROUTE command was issued to add the node *locid* to the routing group *groupid*. The node *locid* now obtains all of its routing information from the *groupid* routing group.

System Action: Node *locid* is added to routing group *groupid*, the file queues are reorganized to reflect the change in routing, and normal RSCS processing continues.

Operator Action: None.

Destination: CO

749I Group *groupid* is a root group

Explanation: Issued in response to "QUERY NODE *nodeid* HIERARCHY" or "QUERY GROUP *groupid* HIERARCHY." This message is the last response to result from this QUERY.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

750E Link *linkid* already started

Explanation: An RSCS START or READY command was issued for the indicated link, *linkid*. The link was already started at the time of command processing, or was not waiting for a pending forms mount condition to be satisfied, and no modifiable attributes were changed from their previous settings. You may also receive this message if you issue the START command for an SNA link that is in the process of starting but is not yet active.

System Action: The START or READY command is ignored; normal processing continues.

Operator Action: None.

Destination: CO, R

751I Link *linkid* already started -- new class(es)/form/FCB mode set as requested

Explanation: An RSCS START command was issued specifying the link identified by *linkid*. The link had already been started at the time of command processing, and the new class, form, or FCB mode specification for the link has been accepted. No other operands have been accepted.

System Action: The link begins processing files bearing the newly specified class(es), form, or FCB mode if they are enqueued on the link.

Operator Action: None.

Destination: CO, R

752I Link *linkid* still active -- drain status reset

Explanation: An RSCS START command was issued specifying the link identified by *linkid*. The link was active at the time of command processing, but it was in the process of terminating as the result of a previous RSCS DRAIN command.

System Action: The link remains active with the same attributes that had previously been in effect, except that the link's drain status is reset. Normal RSCS processing continues.

Operator Action: None.

Destination: CO, R

753E Command rejected -- shutdown in progress

Explanation: An RSCS START or NETWORK START command was entered, but RSCS was in the process of terminating as a result of a previous RSCS SHUTDOWN command.

System Action: The command is ignored, and normal processing continues.

Operator Action: None.

Destination: CO

754E Command rejected -- RSCS/VTAM interface is stopping

Explanation: An RSCS START command was issued for an SNA link, but the RSCS/VTAM interface was in the process of stopping.

System Action: The command is ignored, and normal processing continues.

Operator Action: None.

Destination: CO

755E Command rejected -- RSCS/VTAM interface is not started

Explanation: An RSCS START command was issued for an SNA link, but the RSCS/VTAM interface was either not started or not in the process of starting.

System Action: The command is ignored, and normal processing continues.

Operator Action: Start the interface using the RSCS NETWORK START command.

Destination: CO

756E Command rejected -- link *linkid* deactivation in progress

Explanation: An RSCS START command was issued for the link identified by *linkid*, but the link was in the process of terminating, possibly as a result of an SNA RSHUTD command or a previous RSCS DRAIN or STOP command that had not finished processing.

System Action: The command is ignored, and normal processing continues. After deactivation completes, issue the RSCS START command again.

Destination: CO

760E RSCS/VTAM interface already started

Explanation: An RSCS NETWORK START command was issued, but the RSCS/VTAM interface was already started.

System Action: The command is ignored, and normal processing continues.

Operator Action: None.

Destination: CO

761E RSCS/VTAM interface already stopped

Explanation: An RSCS NETWORK HALT command was issued, but the RSCS/VTAM interface was already stopped.

System Action: The command is ignored, and normal processing continues.

Operator Action: None.

Destination: CO

770I RSCS/VTAM interface starting

Explanation: RSCS is attempting to open the VTAM ACB and initialize the RSCS/VTAM interface. The message is produced in response to the RSCS NETWORK START command that has activated the RSCS/VTAM interface task.

System Action: RSCS/VTAM interface activation continues.

Operator Action: None.

Destination: NCO, R

771I RSCS/VTAM interface ready

Explanation: RSCS has opened the VTAM ACB and initialized the RSCS/VTAM interface. The message is produced in response to an RSCS NETWORK START command after the RSCS/VTAM interface had been fully activated.

System Action: Normal processing continues.

Operator Action: None.

Destination: NCO, R

772I RSCS/VTAM interface stopping

Explanation: RSCS is attempting to close the VTAM ACB and quiesce the RSCS/VTAM interface. The message is produced in response to the RSCS NETWORK HALT command that has started termination of the RSCS/VTAM interface task.

System Action: RSCS/VTAM interface deactivation continues.

Operator Action: None.

Destination: NCO, R

773I RSCS/VTAM interface stopped

Explanation: The RSCS/VTAM interface is not, or is no longer, active. The message is produced in response to the RSCS NETWORK HALT command that started termination of the RSCS/VTAM interface task, indicating that RSCS has closed the VTAM ACB and quiesced the RSCS/VTAM interface.

System Action: Normal processing continues.

Operator Action: None.

Destination: NCO, R

774I RSCS/VTAM interface {starting | stopping | ready | stopped}

Explanation: This message is issued to the originator of the QUERY SYSTEM NETWORK command.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

775I TCP Port redirector {ready | stopped}

Explanation: The status of the TCP Port redirector task is indicated in response to the QUERY SYSTEM TCPIP command.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

776E TCP Port redirector already started

Explanation: An RSCS TCPIP START command was issued but the RSCS TCP Port redirector interface was already started.

System Action: The command is ignored and normal processing continues.

Operator Action: None.

Destination: CO

777E TCP Port redirector already stopped

Explanation: An RSCS TCPIP STOP command was issued, but the RSCS TCP Port redirector interface was already stopped.

System Action: The command is ignored and normal processing continues.

Operator Action: None.

Destination: CO

778I TCP Port redirector ready

Explanation: The message is issued when RSCS has started and has initialized the RSCS TCP Port redirector interface. This message is also issued in response to an RSCS TCPIP START command; it indicates that the RSCS TCP Port redirector interface is fully activated.

System Action: Normal processing continues.

Operator Action: None.

Destination: CO, R

779I TCP Port redirector stopped

Explanation: The message is issued in response to the RSCS TCPIP STOP command to indicate that RSCS has terminated the RSCS TCP Port redirector interface. This message is also issued when RSCS terminates the TCP Port redirector interface during shutdown processing.

System Action: Normal processing continues.

Operator Action: None.

Destination: CO, R

780I TCP trace logging activated

Explanation: An RSCS TCPIP TRACE LOG or TCPIP TRACE ALL command was issued.

System Action: The log trace is activated and normal processing continues.

Operator Action: None.

Destination: CO, R

781I TCP trace logging deactivated

Explanation: An RSCS TCPIP TRACE OFF command was issued while transaction logging was active.

System Action: Logging of each appropriate transaction is terminated. The spool print file log is closed and enqueued for real printer processing or as directed by the routing (if any) of a previous TRACE command.

Operator Action: None.

Destination: CO, R

782E TCP Port redirector not started

Explanation: A TCPIP TRACE command was issued for the port redirector task but the task is not started.

System Action: The command is ignored and normal processing continues.

Operator Action: Enter the TCPIP START command to start the port redirector task. You can also specify the TRACE operand on this command to modify tracing activities when the task starts.

Destination: CO

801I Link *linkid* logging activated

Explanation:

- An RSCS TRACE *linkid* LOG, ALL, or RECORDS command was issued when the link's transaction logging was not already active, or
- An RSCS START *linkid* TRACE LOG, ALL, or RECORDS command was issued.

System Action: The log trace is activated, and normal processing continues.

Operator Action: None.

Destination: CO, R

802I Link *linkid* logging deactivated

Explanation: An RSCS TRACE *linkid* NOLOG or OFF command was issued for the link identified by *linkid* while the link's transaction logging was active.

System Action: Logging of each line I/O transaction is terminated, and the spool print file log is closed and enqueued for real printer processing or as directed by the routing (if any) of a previous TRACE command.

Operator Action: None.

Destination: CO, R

804E Link *linkid* invalid keyword *keyword*

Explanation: When the link identified by *linkid* was activated, an incorrect parameter, identified by *keyword*, was found. The parameter:

- Is an incorrect PARM parameter on an RSCS START command, or
- Link activation caused the referencing of an incorrect PARM parameter that had been previously specified in the RSCS configuration file or on an RSCS DEFINE command.

System Action: The link is deactivated.

Operator Action: Consult RSCS command documentation to determine PARM syntax and restrictions. Enter the command again, if it was incorrect; otherwise, notify local RSCS system personnel.

Destination: R, SCO

805E Link *linkid* conflicting keyword *keyword*

Explanation: When the link identified by *linkid* was activated, a conflicting parameter, identified by *keyword*, was found either in an RSCS START command, or previously specified in the RSCS configuration file, or in an RSCS DEFINE command.

System Action: The link is deactivated.

Operator Action: Consult RSCS command documentation to determine PARM syntax and restrictions. Enter the command again, if it was incorrect; otherwise, notify local RSCS system personnel.

Destination: R, SCO

806E Link *linkid* invalid option *keyword option*

Explanation: When the link identified by *linkid* was activated,

- An incorrect parameter and its option (identified by *keyword option*) were found on an RSCS START command, or
- Link activation caused the referencing of an incorrect PARM specification previously specified in the RSCS configuration file or on an RSCS DEFINE command.

System Action: The link is deactivated.

Operator Action: Consult RSCS command documentation to determine PARM syntax and restrictions. Enter the command again, if it was incorrect; otherwise, notify local RSCS system personnel.

Destination: R, SCO

807E Link *linkid* attempted to be started with a TRans parameter {without | mismatching} the FEATure parameter.

Explanation: When the link identified by *linkid* was activated with the TRANS parameter;

- The FEATure parameter was not specified, or
- The values specified for the FEATure and TRANS parameters are not compatible.

System Action: The link is deactivated.

Operator Action: Review the possible settings and correct combinations for the FEATure and TRANS parameters in either *VM/RSCS: Operation and Use* or *VM/RSCS: Planning*

and *Installation* then specify the correct settings and restart the link.

Destination: SCO, RSCS

808I Link *linkid* was started with a LLine value greater than the Ppos value -- forms output may be truncated.

Explanation: The print driver has been started with the Ppos value that indicates a physical printer width. This value should be determined based on the actual print width of the attached hardware printer. The LLine value signifies the maximum width that is allowed for a form set on this printer. These 2 values do not need to be equal. However, if the form width (LL=) is greater than the printer physical width (P=), then the actual form output width will be truncated and print output could be lost.

System Action: The LINK issues this informational message and continues processing using the specified value that is smaller. All forms output will be truncated to the value specified in Ppos.

Operator Action: Verify the maximum number of print positions available on the printer (Ppos), and restart the link specifying a value for the form width (Lline) less than or equal to it.

Destination: RS, SCO

809I Link *linkid* logging mode redefined

Explanation: Issued in response to any change to an RSCS TRACE *linkid* LOG, ALL, or RECORDS command. You will receive this message any time you change the type of transaction logging.

System Action: The logging mode will be switched from partial to full or the reverse.

Operator Action: None.

Destination: R, SCO

810E Link *linkid* logging already active

Explanation: Issued in response to an RSCS TRACE *linkid* LOG, ALL, or RECORDS command when the link's transaction logging was already in the mode requested.

System Action: The link remains in log trace mode, the command has no effect, and normal link processing continues.

Operator Action: None.

Destination: CO

811E Link *linkid* logging not active

Explanation: Issued in response to an RSCS TRACE *linkid* NOLOG or OFF command when the link's transaction logging was not active.

System Action: Log trace remains inactive for the link, the command has no effect, and normal link processing continues.

Operator Action: None.

Destination: CO

812I LINK *linkid* has found an error in or near record number nnnnnnnn of file *spoolid* (*origid*), file held -- reason

Explanation: The print driver's translation routine has discovered an error while processing the data. The location of the error is indicated by the record number in the message. The file will continue to be processed with an attempt to mask out the error. The format of the printer output may be unpredictable. The message is provided for debugging purposes. The *reason* is one of the following conditions:

the calculation of the total record length is in error

3270 control character within the record has caused a length that is not correct for a valid print record. This is most likely a problem within the logic of the translation routine.

an SO was found and the matching SI cannot fit within the record length

A shift-out (SO) character (X'0E') was found and the corresponding shift-in (SI) character (X'0F') does not fit within the record's length. This will prevent the output of any DBCS string occurring after the SO character.

an SI was found without the required preceding SO

An SI character (X'0F'), which ends a DBCS string, was found within the record without the required preceding SO character (X'0E') to start the string. The SI is set to a null character.

an SA was found within an SO/SI string

A structured attribute (SA) character (X'28') was found within the record between a SO/SI string. Only DBCS characters are allowed between the SO/SI characters. The entire string will be nullified.

an SO exists without the matching SI

An SO character (X'0E') was found within the record without any SI character (X'0F') to end the DBCS string. All DBCS strings must have an SO at the beginning and an SI at the end. The entire string will be nullified.

System Action: The LINK issues this informational message and continues processing the file by removing the characters associated with the error. The output may be unpredictable. The file will be placed in hold status after processing has completed.

Operator Action: User must correct the errors in the file and resubmit the file for processing.

Destination: FO

814E Link *linkid* TAPARM specification not allowed

Explanation: Issued by an NJE, SNANJE, GATEWAY, LISTPROC, or TCPNJE link driver for the link identified by *linkid* because a TAPARM value was specified for a Transmission Algorithm that does not accept parameter information (for example, Transmission Algorithm 0).

System Action: The RSCS START command is ignored, and normal processing continues.

Operator Action: Enter the START command again, specifying correct PARM operands.

Destination: R, SCO

815E Link *linkid* TAPARM specification invalid

Explanation: Information specified on a TAPARM parameter for the indicated link was not valid. The *linkid* identifies an NJE-, SNANJE-, GATEWAY-, LISTPROC-, or TCPNJE-type link.

System Action: The RSCS START command is ignored, and normal processing continues.

Operator Action: Enter the START command again, specifying a correct PARM TAPARM operand.

Destination: R, SCO

816E Link *linkid* invalid number of streams

Explanation: The value specified on the STREAMS parameter for the indicated link was not acceptable to the specified Transmission Algorithm. The *linkid* identifies an NJE-, SNANJE-, GATEWAY-, LISTPROC-, or TCPNJE-type link.

System Action: The RSCS START command is ignored; normal processing continues.

Operator Action: Enter the START command again, specifying a correct PARM STREAMS operand.

Destination: R, SCO

817E Link *linkid* undefined transmission algorithm

Explanation: The transmission algorithm specified on the TA parameter for the indicated link was not defined. That is, the Transmission Algorithm entry point is a dummy entry in DMTAXA (transmission algorithms 2 to F). The *linkid* indicates the NJE-, SNANJE-, GATEWAY-, LISTPROC-, or TCPNJE-type link.

System Action: The RSCS START command is ignored; normal processing continues.

Operator Action: Enter the START command again, specifying a correct PARM TA operand.

Destination: R, SCO

818E Link *linkid* EPARM specification not allowed

Explanation: Issued for the link defined by *linkid* because an EPARM value was specified for an exit that does not accept parameter information.

System Action: The RSCS START command is ignored, and normal processing continues.

Operator Action: Enter the START command again, specifying correct PARM operands.

Destination: R, SCO

819E Link *linkid* EPARM specification invalid

Explanation: Issued for the link identified by *linkid* because an EPARM value was specified that contained invalid information.

System Action: The RSCS START command is ignored, and normal processing continues.

Operator Action: Enter the START command again, specifying correct PARM operands.

Destination: R, SCO

820E Exit module not loadable on link *linkid*

Explanation: During the initialization of an ASCII, GATEWAY, LPD, LPR, TCPASCII, UFT, or UFTD link driver, the exit module specified on the START command could not be loaded. Either the exit module or the "overlay structure" could not be found by the linkage editor.

System Action: The RSCS START command is ignored; normal processing continues.

Operator Action: Enter the START command again, specifying correct PARM operands.

Destination: R, SCO

821E Non-blank exit name must be specified on link *linkid*

Explanation: During the link driver initialization for an ASCII, LPD, LPR, TCPASCII, UFT, or UFTD link driver, no EXIT name was specified on the START command (or it was blank). A nonblank exit name must be specified.

System Action: The RSCS START command is ignored, and normal processing continues.

Operator Action: Enter the START command again, specifying correct PARM operands.

Destination: R, SCO

822I Link *linkid* transmission algorithm routine *epname* loaded at *aaaaaaaa*

Explanation: A networking link with "TA=*epname*" specified as part of its parm text has been started, and the module containing the transmission algorithm has been loaded at the specified address.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: R, SCO

823E Link *linkid* transmission algorithm routine *epname* not loadable

Explanation: A networking link with "TA=*epname*" specified as part of its parm text has been started and the module containing the transmission algorithm has been found to be not loadable.

System Action: Link activation terminates, and normal RSCS processing continues.

Operator Action: Check to see if the entry point name specified as part of the parm text was specified correctly. Also check that the load library the module is in was specified on the GLOBAL command issued to GCS. Correct the error, and restart the link.

Destination: R, CO

824E Programming error detected by gateway program on link *linkid*

Explanation: The gateway program loaded for link *linkid* has determined that it has a programming error.

System Action: The link is terminated.

Operator Action: Restart the link. If the error persists, notify the local RSCS support personnel.

Destination: R, SCO

825E Link *linkid* required exit entry number *n* address: *aaaaaaaa* is not valid

Explanation: During RSCS LPR, LPD, TCPASCII, UFT, UFTD or ASCII-type link initialization processing, a particular exit point within an exit routine specified on the EXIT= parameter for the link was found to be invalid. The entry number indicates which word at the start of the exit routine was invalid. The invalid address is also shown. Possible reasons include:

- The address is zero for a required exit routine.
- The address is not an address contained within the exit module.

System Action: The link will be deactivated.

Operator Action: Correct the address contained at the beginning of the exit, then restart the link.

Destination: R, SCO

830E Invalid message file specified for link *linkid* {First line of file is blank | Multiple destinations without LISTPROC definition | Null message or missing distribution list delimiter}

Explanation: This message is issued in response to an invalid message file template. Either the first line of the message template is blank, multiple destinations have been specified within the distribution list without a list processor link defined, or the template contains no body (perhaps a blank line is missing following the distribution list).

System Action: The link is deactivated. This is flagged as an unrecoverable error.

Operator Action: Re-examine the message file template, and restart the NOTIFY link.

Destination: R, SCO

831I Creating message file on link *linkid* in response to file *spoolid* (*orgid*)

Explanation: This message is issued in response to the start of message file composition (variable substitution).

System Action: The message file undergoes variable substitution, if appropriate. Normal RSCS processing continues.

Operator Action: None.

Destination: R

832I Created message file on link *linkid* destined to DEST *locid* (*userid*)

Explanation: This message is issued in response to completion of message file composition (variable substitution).

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: R

833E Invalid or blank distribution record encountered while processing *spoolid* (*orgid*)

Explanation: Either the record in the message template is blank, there is an invalid destination location ID or user ID, or both.

System Action: The link is deactivated. This is flagged as an unrecoverable error.

Operator Action: Re-examine the message file template and restart the NOTIFY link.

Destination: R, SCO

834I File *spoolid* (*orgid*) purged by link *linkid*

Explanation: This message is issued when a NOTIFY link has purged a file.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: FO, R

880E Event not scheduled -- {no command specified | specified time is before current time | invalid time or range specified}

Explanation: An RSCS SCHEDULE command was missing, required information, or contained an invalid specification.

System Action: The command is ignored and normal RSCS processing continues.

Operator Action: If the command to be executed by the event manager was omitted, add it. User events can only be scheduled between the SCHEDULE command's execution and midnight of the same day. Correct the SCHEDULE command, and issue it again.

Destination: CO

881I Event *taskname* scheduled -- the associated task ID is *taskid*

Explanation: An RSCS SCHEDULE command was accepted, and an event block was generated by RSCS. The *taskname* reflects the identifier placed before the command text portion of the request, and the *taskid* reflects the unique task number assigned by the event scheduler to the task. This *taskid* may be used to delete, suspend, or resume the event at a later time.

System Action: The event manager placing a control block in its queue of events, returns the unique *taskid* assigned to the event control block, and normal RSCS processing continues.

Operator Action: None.

Destination: CO, R

882I Event *taskname* {deleted | suspended | resumed | scheduled | complete}

Explanation: An RSCS SCHEDULE command was used to schedule, delete, suspend, or resume all tasks with the specified *taskname*.

System Action: The specified events are scheduled, deleted, suspended, or resumed, and normal RSCS processing continues.

Operator Action: None.

Destination: CO, R

883I Event *taskid* {deleted | suspended | resumed | scheduled | complete}

Explanation: An RSCS SCHEDULE command was used to schedule, delete, suspend, or resume the task with the specified *taskid*.

System Action: The specified event is scheduled, deleted, suspended, or resumed, and normal RSCS processing continues.

Operator Action: None.

Destination: CO, R

884I {ALL | USER | SYSTEM} events {deleted | suspended | resumed}

Explanation: A SCHEDULE command was issued to delete, suspend, or resume RSCS's USER type events, SYSTEM type events, or all events. The message confirms that the requested task has been performed.

System Action: The specified subset of events is deleted, suspended, or resumed, and normal RSCS processing continues.

Operator Action: None.

Destination: CO, R

885E No {USER or SYSTEM | USER | SYSTEM} events are currently scheduled

Explanation: An RSCS SCHEDULE command was issued to delete, suspend, or resume all SYSTEM, USER, or SYSTEM and USER events. No such events were scheduled at the time the command was executed.

System Action: The SCHEDULE command is ignored, and normal RSCS processing continues.

Operator Action: Check to see whether events should be loaded from the event manager configuration file or whether some events need to be dynamically defined with the SCHEDULE command.

Destination: CO

886E EVENTS file -- {date | time | days of week | range | command} field missing or invalid

Explanation: An invalid entry was encountered in the event manager configuration file during RSCS initialization, during the midnight reconfiguration process, or as a result of the SCHEDULE DISKLOAD command. The invalid entry is written out immediately after this message.

System Action: Processing of the event manager configuration file is terminated, and normal RSCS processing continues.

Operator Action: Correct the flagged entry in the event manager configuration file, have RSCS reaccess the disk the file resides on, and reissue the SCHEDULE command with the DISKLOAD option to reload the table.

Destination: CO, R

887E EVENTS file -- SPECIAL record contains an invalid date

Explanation: A SPECIAL record in the event manager configuration file contains an invalid date entry. This message may be displayed at system initialization, during the midnight reconfiguration event, or as a result of the SCHEDULE DISKLOAD command. The invalid entry is written out immediately after this message.

System Action: Processing of the event manager configuration file is terminated, and normal RSCS processing continues.

Operator Action: Correct the flagged SPECIAL record in the event manager configuration file, have RSCS reaccess the disk the file resides on, and reissue the SCHEDULE command with the DISKLOAD option to reload the table.

Destination: CO, R

888I Event Manager executing: *text*

Explanation: The RSCS Event Manager is executing the command specified by *text*. To the RSCS command processor, the command will appear to have come from the real RSCS console. The event that caused the command to be executed originated either from the Event Manager's configuration file or from a SCHEDULE command.

System Action: RSCS executes the command, and normal processing continues.

Operator Action: None.

Destination: CO, P, R

889I Shift now set to *n*

Explanation: The RSCS SHIFT command was issued to set the operation shift value to *n*. The subsequent internal reorder of file queues allows all shift based exits to readjust parameters.

System Action: The shift value in the CVT is modified, an internal reorder of RSCS's file queues is performed, and normal RSCS processing continues.

Operator Action: None.

Destination: CO, R

890I Event *taskname* is not currently scheduled

Explanation: The RSCS SCHEDULE command was issued to delete, suspend, or resume tasks with the specified *taskname*. No events had been previously defined with the specified task name.

System Action: The SCHEDULE command is ignored, and normal RSCS processing continues.

Operator Action: Check to see whether the correct *taskname* was issued on the SCHEDULE command. The SHOW TASKNAME option on the QUERY SYSTEM SCHEDULE command may be used to display a list of all task names. Correct the task name in the command invocation, and reissue the command.

Destination: CO

8911 Event *taskid* is not currently scheduled

Explanation: The RSCS SCHEDULE command was issued to delete, suspend, or resume a task with the specified *taskid*. No event with such a *taskid* could be located by the event manager.

System Action: The SCHEDULE command is ignored, and normal RSCS processing continues.

Operator Action: Check to see whether the correct *taskid* was issued on the SCHEDULE command. The QUERY SYSTEM SCHEDULE command may be used to display a list of all defined task IDs. Correct the task ID in the command invocation, and reissue the command.

Destination: CO

8921 Record: (*record text*)

Explanation: The message contains the text of a record in the event manager configuration file. This message is preceded by a message describing what is wrong with the record. The events configuration file may have been read due to RSCS initialization or a SCHEDULE DISKLOAD command.

System Action: The record in the event manager configuration file is ignored, and normal RSCS processing continues.

Operator Action: Correct the flagged record, reaccess RSCS's disk, and issue the SCHEDULE DISKLOAD command to reload the table with the corrected record.

Destination: CO, R

8931 Link counters for link *linkid* reset

Explanation: Issued in response to the "RESETCOUNTERS *linkid*" command to reset all the counters visible through the QUERY SYSTEM COUNTS command for the specified link.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

8941 All link counters reset

Explanation: This message is issued in response to a RESETCOUNTERS ALL command. All link counters that can be displayed with the QUERY SYSTEM COUNTS command have been reset.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: CO

901E MRJE mode not specified -- link *linkid* not activated

Explanation: An RSCS START command was issued for the link identified by *linkid* to activate a multileaving work station link, but the mode (as indicated by the PARM keyword SYSTEM option) was not specified.

System Action: The specified link is deactivated.

Operator Action: Enter the START command again, specifying a valid mode. If the problem persists, notify local RSCS support personnel.

Destination: R, SCO

902E Non-signon card read on link *linkid*

Explanation: The link identified by *linkid* had not been signed on, and a record received from the remote station was not a SIGNON record, contrary to link operational requirements.

System Action: If the link is an auto-answer link, it is deactivated and counts as an invalid signon toward its limit of 5. Otherwise, an MRJE-type link is deactivated; an RJE-type link remains active but not signed on, and file, command, and message exchange for the link remains suspended pending successful signon.

Operator Action: Correct any errors present on the signon card, and try the signon procedure again.

Destination: R, RS, SCO

903E Password supplied on link *linkid* is invalid

Explanation: An attempt to sign on to a remote station has failed because the password punched on the SIGNON card does not match the password specified by the operator when the remote station's link, identified by *linkid*, was started.

System Action: If the link is an auto-answer link, it is deactivated and counts as an invalid signon toward its limit of 5. Otherwise, the link remains active but not signed on, and file, command, and message exchange for the link remains suspended pending successful signon.

Operator Action: Correct any errors present on the SIGNON record, and try the signon procedure again. If the problem persists, the operations personnel at both ends of the link should establish an agreed-upon password.

Destination: R, RS, SCO

904E Signon parameter=*parm* on link *linkid* invalid

Explanation: A signon record for the link identified by *linkid* contained the invalid parameter identified by *parm*.

System Action: If the link is an auto-answer link, it is deactivated and counts as an invalid signon toward its limit of 5. Otherwise, the link remains active but not signed on, and file, command, and message exchange for the link remains suspended pending successful signon.

Operator Action: Correct any errors present on the signon card, and try the signon procedure again.

Destination: R, RS

905I Signon of link *linkid* complete, buffer size=*nnnn*

Explanation: A valid SIGNON record has been received on the link identified by *linkid*, and the link signon procedure has been successfully completed. *nnnn* specifies the TP buffer size selected.

System Action: Exchange of files, commands, and messages is in progress on the identified link.

Operator Action: None.

Destination: R, RS, SCO

906I List processor *linkid* ready, buffer size=*nnnn*

Explanation: The list processor initialization procedure has been successfully completed. *nnnn* specifies the processor buffer size selected.

System Action: Processing of list processor files and commands begins on the identified list processor link.

Operator Action: None.

Destination: R, RS, SCO

907E Signon type parameter missing on link *linkid*

Explanation: The signon record previously entered did not include a TYPE parameter specifying the type of remote terminal in use.

System Action: If the link is an auto-answer link, it is deactivated and the port will be disabled, then reenabled automatically if the signon error limit of 5 has not been exceeded. For a nonauto-answer link, the link remains active but not signed on, and file, command, and message exchange for the link remains suspended pending successful signon.

Operator Action: Correct any errors present on the signon card, include the TYPE parameter on the signon card, and try the signon procedure again.

Destination: R, RS

908E No phone number specified for link *linkid*

Explanation: An attempt was made to automatically start the link identified by *linkid* on a switched telecommunication port because the link was defined with auto-start capability and files were available for transmission. The activation failed because no phone number had been specified to be used in calling the remote system.

System Action: The link activation process will be terminated. The auto-start status of the link will be disabled.

Operator Action: Notify local RSCS support personnel to modify the operation parameters (PARM options) for the link to include a phone number.

Destination: R

909I Notify link *linkid* Ready, Template *filename*, Purge Days *number of days*, Message File Class *class*

Explanation: This message is issued indicating that the NOTIFY driver is active and ready to receive files directed to it.

System Action: Normal RSCS processing continues.

Operator Action: None.

Destination: R, SCO

910E Invalid parameter *parm* on tag -- parameter ignored

Explanation: In the scanning of file tag specified by the local originating user, an invalid parameter identified by *parm* was encountered.

System Action: The invalid parameter is ignored, its applicable default applies, and file processing continues.

User Action: If the default parameter value is not acceptable, resubmit the file with a correct tag.

Destination: FO

911E The PRT=*option* option for file *spoolid* (*origid*) on *linkid* is invalid -- {printer has no hardware FEATURE defined | printer not setup for translation | TAG options do not match printer's FEATURE}, file held.

Explanation: The file was not sent to the printer because the TAG command associated with the file conflicts with the hardware configuration for the printer.

System Action: RSCS stops processing the file and places it in *hold* status.

Operator Action: Review the TAG command being used with your file and review the settings and correct combinations for the FEATURE and TRANS operands. For information about the correct combinations, see the PARM statement for 3270P-type links in the *VM/RSCS: Operation and Use* or the *VM/RSCS: Planning and Installation* book. To verify the FEATURE for the particular printer, check with your local support personnel to determine which printer can support the PRT operand in use. Then, resubmit the file to the appropriate printer.

Destination: FO, SCO

912E Multiple datasets found in list processor file *spoolid* (*origid*) on link *linkid* -- file flushed

Explanation: During processing of the distribution list in the file identified by *spoolid* (*origid*), the list processor link identified by *linkid* has found a second data set header. The list processor is unable to process multiple input data sets in the same input file. This may be the result of incorrectly sending the file to the list processor.

System Action: Processing of the file is aborted, and the file is flushed.

User Action: Send the file again without multiple data sets or to the correct destination.

Destination: FO, R

913E No password parameter specified -- link *linkid* being deactivated

Explanation: Link *linkid* was requested to be activated by using a signon record from a remote system on an auto-answer line. However, the definition of the link did not have a password specified in its operation parameters (PARM options). An auto-answer link must have a password specified. (For an NJE-type link, either RNPASS or RLPASS can be specified, or both.)

System Action: The link is not started; the port will be disabled, then enabled again automatically if the signon error limit of 5 has not been exceeded.

Operator Action: Check the PARM specification for link *linkid*, and place the proper password parameter in the PARM options that will match the signon record being received.

Destination: R

914E Incorrect password received on link *linkid*

Explanation: A valid password parameter received in a SIGNON record from a remote system over the link identified by *linkid* did not match the local link password in effect at the time.

System Action: The link driver executes its disconnect sequence. Depending on the link driver in use, the link may be enabled again, or the link may be deactivated.

Operator Action: Notify system support personnel at the remote location. If the problem persists, notify local RSCS support personnel.

Destination: R, SCO

915I Link *linkid* LUNAME *luname* CID = *communication id* DFASY request received, request code = *request code*

Explanation: RSCS is acting as a Primary Logical Unit (PLU) in the session identified by *linkid*, *luname*, and *communication id*. The communication ID identifies the session to VTAM. VTAM uses the DFASY exit routine to notify RSCS that an expedited-flow data-flow-request has arrived. The DFASY exit routine can pass any of the following request codes:

X'71' Stop bracket (SBI)
 X'80' Quiesce at end of chain (QEC)
 X'82' Release quiesce (RELQ)
 X'CO' Shutdown (SHUTD)
 X'C1' Shutdown complete (SHUTC)
 X'C2' Request shutdown (RSHUTD).

For more information about these request codes, see the *ACF/VTAM Programming book*.

System Action: If RSCS receives an RSHUTD request, RSCS terminates the session as if the RSCS operator had issued an RSCS DRAIN command. If RSCS receives any other request code, RSCS terminates the link.

Operator Action: None.

Destination: R, SCO

916E Invalid NJE signon connection record received -- link *linkid* is being deactivated

Explanation: An invalid signon or signon response record has been received from a remote system over the link identified by *linkid*. This can be caused by, for example, incorrectly configuring the network. This occurs so that the node ID of the remote system does not match the node ID specified on the START command that was issued on the local system.

System Action: The affected link driver executes its disconnect procedure, and the link is deactivated.

Operator Action: Notify local RSCS support personnel.

Destination: R, SCO

917E Invalid distribution record '*record*' in file *spoolid (origid)* on link *linkid* -- file flushed

Explanation: During processing of the distribution list in the file identified by *spoolid (origid)*, the list processor link identified by *linkid* has found a distribution entry in which the node ID or the user ID is syntactically invalid. The first 40 characters of the record, starting at the first nonblank character, are shown in the message.

System Action: Processing of the file is aborted, and the file is purged.

User Action: Determine the incorrect distribution list entry submitted to the list processor link, and resend the file to the correct destination.

Destination: FO, R

918W Priority defaulted in record '*record*' in file *spoolid (origid)* on link *linkid*

Explanation: During processing of the distribution list in the file identified by *spoolid (origid)*, the list processor link identified by *linkid* has found a distribution entry with an override priority value that is not numeric or is not between the values of 0 and 99. The first 40 characters of the record, starting at the first nonblank character, are shown in the message.

System Action: The override value is ignored, and the default priority value is used. Processing of the distribution record continues with the parameter fields.

User Action: If the file is to be submitted again, correct the distribution list entry.

Destination: FO, R

919E Invalid record in list processor file *spoolid (origid)* on link *linkid* -- file flushed

Explanation: During processing of the distribution list in the file identified by *spoolid (origid)*, the list processor link identified by *linkid* has found a distribution entry composed of spanned records. The list processor is unable to process spanned distribution records.

System Action: Processing of the file is aborted, and the file is flushed.

User Action: Resend the file without spanned records in the distribution list.

Destination: FO, R

920E Duplicate signon record received -- link *linkid* being deactivated

Explanation: A signon or signon response record has been received on the link identified by *linkid*, but the complete signon sequence had already been completed.

System Action: The specified link is deactivated, and control is given to the restart exit for the link.

Operator Action: If a restart exec was defined for the link, the link will be restarted automatically. Otherwise, use the RSCS START command to restart the link if it is desired to resume file transmission. If the problem persists, notify local RSCS support personnel and support personnel at the remote system.

Destination: R, SCO

9211 Printer on link *linkid* line *vaddr* disabled -- intervention or maintenance required

Explanation: A printer described by *linkid* and *vaddr* detected an I/O error condition while a file was printing. Any further action has to be initiated by the operator.

System Action: The link driver tries to resend the print buffer three times. On the third try, the message is printed and the link driver waits for operator intervention.

Operator Action: Enter a HOLD command, then enter a FLUSH command with any option desired for the file. When the file is purged or re-enqueued, the link can be drained and restarted. If I/O errors persist, call your local customer engineer.

Destination: R, SCO

Note: This message will not be sent to the printer (RS) if the printer is also the START command originator (SCO).

9221 Intervention required on printer link *linkid* line *vaddr*

Explanation: A printer described by *linkid* and *vaddr* needs operator intervention.

System Action: The link driver tried to make the initial connection or send a print buffer to a nonworking printer. The line buffer waits for operator intervention on the device or console command execution.

Operator Action: Turn the printer on, fix printer paper, or enter a STOP command to deactivate the link.

Destination: FO, R, SCO

Note: This message will not be sent to the printer (RS) if the printer is also the START command originator (SCO).

923E Line or channel I/O error -- maintenance required on link *linkid* line *vaddr*

Explanation: A printer described by *linkid* and *vaddr* detected an I/O error condition while a file was printing. Any further action has to be initiated by the operator.

System Action: For channel errors, the link driver tries to resend the print buffer 10 times. On the 10th try, the message is printed and the link driver terminates. When START I/O condition code 3 is returned, the link driver terminates immediately.

Operator Action: Enter the HOLD command, then the FLUSH command with any option desired. When the file is purged or re-enqueued, the link can be drained or restarted. If I/O errors persist, call your local customer engineer.

Destination: R, SCO

924E Nonrecoverable program error on link *linkid* line *vaddr*

Explanation: A printer described by *linkid* and *vaddr* detected an I/O error condition while a file was printing.

System Action: The link driver tried to send the print buffer but, because of a nonrecoverable hardware programming error, an I/O error message is produced and the link driver ends.

Operator Action: If I/O errors persist, call your local customer engineer.

Destination: R, SCO

925E Internal list processor error found in file *spoolid* (*origid*) on link *linkid* -- file flushed

Explanation: During sending of a file on the link identified by *linkid* processed by the list processor, the file identified by *spoolid* (*origid*) was found to have an invalid mix of companion data set headers.

System Action: Processing of the file is aborted, and the file is purged.

User Action: Notify your local RSCS support personnel.

Destination: FO, R

926E File *spoolid* (*origid*) not sent on link *linkid* -- reason

Explanation: Sent to the originator of the file identified by *spoolid* (*origid*). The *reason* is:

Graphics files must be PUNCH

A graphics file was sent that was not a punch file. Graphics files must be punch files.

Invalid CCW opcode

A CCW opcode was encountered in a graphics file that was not one of the four valid types. The valid CCW opcodes are X'01', X'05', X'0D', and X'11'.

RSCS buffer size too small

The RSCS buffer size selected for the link is too small to send the graphics file.

Note: For files coming from Print Services Facility/VM (PSF/VM), RSCS buffer size should match the buffer size on the link ID statement in the OPTIONS PDM file. This size will default to 1920, if not otherwise specified. For files coming from GDDM, make sure the GDDM IOBUFSZ *less than* or *equal* to the RSCS buffer size.

Premature end of file

The data length in the CCW record of the graphics file was greater than the length of the file data received. Either the CCW data length was incorrect, or some of the file is missing.

Excessive data encountered

The data length in the CCW record of the graphics file was less than the length of the file data received. Either the CCW data length was incorrect, erroneous data was appended to the file, or the number of records exceeded the allowable size for an LPR-type link.

Negative acknowledge received

A NACK has been received for an IPDS transmission that did not indicate an intervention required or equipment check error.

Function not supported

The file data stream contained a function request not supported at the designated device.

System Action: RSCS stops processing the file and either purges it or, in the case of LPR-type links, places the file on hold

Operator Action: None.

Destination: FO

927E Unable to send file *spoolid (origid)* from *locid (userid)* on link *linkid* -- reason

Explanation: The *reason* is:

Graphics files must be PUNCH

A graphics file was sent that was not a punch file.
Graphics files must be punch files.

Invalid CCW opcode

A CCW opcode was encountered in a graphics file that was not one of the four valid types. The valid CCW opcodes are X'01', X'05', X'0D', and X'11'.

RSCS buffer size too small

The RSCS buffer size selected for the link is too small to send the graphics file.

Note: For files coming from Print Services Facility/VM (PSF/VM), RSCS buffer size should match the buffer size on the link ID statement in the OPTIONS PDM file. This size will default to 1920, if not otherwise specified. For files coming from GDDM, make sure the GDDM IOBUFSZ is *less than or equal to* the RSCS buffer size.

Premature end of file

The data length in the CCW record of the graphics file was greater than the length of the file data received. Either the CCW data length was incorrect or some of the file is missing.

Excessive data encountered

The data length in the CCW record of the graphics file was less than the length of the file data received. Either the CCW data length was incorrect, erroneous data was appended to the file, or the number of records exceeded the allowable size for an LPR-type link.

Negative acknowledgement received

A NACK has been received for an IPDS transmission that did not indicate an intervention required or equipment check error.

Function not supported

The file data stream contained a function request not supported at the designated device.

System Action: RSCS stops processing the file and either purges it or, in the case of LPR-type links, places the file on hold

Operator Action: None.

Destination: R, RS

928E Storage not available to transmit file *spoolid (origid)* on link *linkid* -- file held

Explanation: RSCS cannot send the file identified by *spoolid (origid)* because storage is temporarily unavailable.

System Action: The file identified is placed in HOLD status, and the next available file for the appropriate stream is transmitted.

Operator Action: Wait for a brief period and then issue an RSCS CHANGE command to set the file status to NOHOLD. The file will then be sent if resources permit. If the problem persists, notify local RSCS support personnel.

Destination: R, SCO

929E File *spoolid* cannot be sent on link *linkid* due to temporary protocol restriction

Explanation: This message occurs only for an NJE-type link. It means that the file, identified by *spoolid*, is available for transmission on an active stream on the link identified by *linkid*. However, due to file activity on other streams, sending the file at this time will cause a protocol violation. The message will occur only when more than four streams are specified in the STREAMS parameter on the START command for the affected link. The message is caused only by a certain mix of file types (SYSOUT and JOB) and its occurrence cannot be predicted at a given time.

System Action: The identified file is put in HOLD status and another file is selected for transmission on the same stream. The next file may also cause the same message to be issued.

Operator Action: If the same message is repeatedly issued, the link driver should be drained and restarted with 4 or less specified in the STREAMS parameter on the START command. If the message appears only once or twice, each file identified by *spoolid* should later be set to NOHOLD by the RSCS CHANGE command.

Destination: R, SCO

**930E Request to start stream *n* on link *linkid* for RCB X'*xx*' has been denied, reason code *xxxx*
Link *linkid* stream *n* denied -- reason**

Explanation: An NJE- or SNANJE-type link tried to send data on a stream that the other system cannot handle at this time. The reason code is hexadecimal. The reason codes and reasons are:

08xx remote system in SHUTDOWN

The remote system is shutting down its NJE operations and cannot accept a file at the moment.

0C04 stream not supported

RSCS sent a file on a stream that the remote system cannot receive.

0C08 stream drained

RSCS sent a file on a stream that the remote system is not receiving at the moment.

0C0C unknown stream

RSCS sent a file on a stream that the remote system did not recognize.

0C10 FCS conflict

RSCS sent a file on a stream that conflicts with another active stream.

0Cxx RIF received for unsupported stream

RSCS sent a file on a stream that the remote system cannot receive.

1004 insufficient real storage

The remote system lacks enough real storage to process a file.

1008 insufficient virtual storage

The remote system lacks enough virtual storage to process a file.

100C insufficient spool space

The remote system lacks enough free spool space or spool file numbers to process a file.

1010 insufficient CPU resources

The remote system lacks enough CPU resources (other than those listed) to process a file.

10xx lack of resources

The remote system lacks enough resources (other than those listed) to process a file.

1404 operator issued HOLD command

The remote operator issued a HOLD command for the connection.

1408 operator issued STOP command

The remote operator issued a STOP command for the connection.

140C operator issued FLUSH command

The remote operator issued a FLUSH command for the file.

14xx operator issued command

The remote operator issued an RSCS command (other than those listed) for the connection or stream.

1804 last transmission not correctly terminated

The remote system did not receive data from RSCS that it had expected.

1808 compression or compaction error detected

The remote system received a data compression or compaction instruction from RSCS that it did not understand.

180C records sent out of sequence

The remote system did not receive data records from RSCS that it had expected.

1810 mixed RCBs encountered

The remote system received data for more than one stream in a single buffer from RSCS.

1814 undefined RCB/SRCB combination

The remote system received a data record type from RSCS that it did not understand.

1818 data being received exceeds expected length

The remote system attempted to send a data buffer with a length greater than RSCS expected.

18xx protocol violation

The remote system received a protocol violation (other than those listed) for the connection or stream.

1C04 unsupported device

A file was created on another system with a virtual spool output device that is not supported at this node. The file cannot be processed on this node.

1Cxx datastream error

The remote system would not accept the file format.

20xx file rejected by exit or security routine

An exit routine or security system on the remote system rejected the file.

xxxx unknown reason

The remote system supplied no reason code or supplied a reason code unknown to RSCS.

System Action: RSCS stops file traffic on the specified stream and continues normal processing. The file that RSCS tried to send on the stream will remain active at 0 records and 0 blocks sent. If the other system is capable of telling RSCS to restart the stream, RSCS will do so.

Operator Action: If the other system does not support more than one stream, the link must be drained and started with fewer streams. If the other system does support more than one stream, call the operator of the other system and ask that a receiver be started for the stream identified by *nn*. If the other system is capable of telling RSCS to restart the stream, files will begin to flow normally on the link. Otherwise, issue a START command for the link to tell RSCS to try to send on the stream again.

If the other system is suffering from a temporary shortage of resources, you should wait for a short time and then issue a START command with no operands to retry starting the stream.

Destination: R, SCO

931E Format error in internally coded record in file *spoolid* on link *linkid*

Explanation: A format error was detected while attempting to reconstruct an internally coded record in a file (identified by *spoolid*) that RSCS is store-and-forwarding on the link identified by *linkid*. The record could not be reassembled properly.

System Action: The file containing the record is put in HOLD status, and the next file is selected for transmission.

Operator Action: Notify local RSCS support personnel.

Destination: R, SCO

932E Buffer containing unrecognizable data or mixed RCBs has been received on link *linkid*

Explanation: A buffer containing data that cannot be identified as belonging to any NJE stream or a buffer containing records for more than one NJE stream has been received on the link identified by *linkid*. Buffers containing records for more than one stream are only considered illegal if the two sides of the connection agreed at signon not to use this feature.

System Action: The link will be deactivated immediately.

Operator Action: Restart the link. If the problem persists, notify local RSCS support personnel.

Destination: R, RS, SCO

933E Unable to allocate storage to receive stream (RCB X'*nn'*) on link *linkid*

Explanation: The other system has sent a request to transmit, over the link identified by *linkid*, a stream identified by the record control byte RCB X'*nn'*'. Currently, there is not enough virtual storage available for RSCS to process this stream. The record control bytes are listed in the *VM/RSCS: Diagnosis Reference*.

System Action: Permission to send that stream to the other system is denied.

Operator Action: None. The other system will decide if it should attempt to transmit the stream again at a later time.

Destination: R, RS, SCO

934E ID card missing or invalid on link *linkid* -- input file purged

Explanation: A file has been entered at the remote station on the link identified by *linkid* without an ID card specifying the destination.

System Action: The input file is purged, and normal processing continues.

Operator Action: Place an ID card at the beginning of the input file deck, or correct errors in an existing ID card, and retry the file input operation. Consult operational procedures for the remote terminal and link driver in use to determine format requirements for the input file ID card.

Destination: RS

935E Link *linkid* in RJE mode -- print file *spoolid* purged

Explanation: An attempt was made to transmit a print file on the link identified by *linkid*, which was operating as a work station submitting jobs to a remote batch system. When operating in this mode, print files cannot be transmitted.

System Action: The specified file is purged.

Operator Action: None.

Destination: FO, R

936E No remote punch available on link *linkid* -- file *spoolid* purged

Explanation: An attempt was made to transmit a punch file over the link identified by *linkid* to a remote terminal not equipped to produce punched output.

System Action: The specified file is purged.

Operator Action: None.

Destination: FO, R

937E Decompression error on link *linkid*

Explanation: The link identified by *linkid* has encountered a string control byte (SCB) in a record that, when expanded, causes the record to overflow the length of an intermediate processing buffer. This error has occurred because of invalid input sent by the remote system or because of errors on the transmission line.

System Action: The affected link driver is deactivated.

Operator Action: Retry. If the error recurs, notify local RSCS support personnel.

Destination: R, RS, SCO

938E Resources not available to receive file (*origid*) on link *linkid*

Explanation: This message is issued for one of the following reasons:

- Virtual storage is not currently available to process all the records in the incoming file identified by *origid*. (However, RSCS may have sufficient storage to process another file received in the same stream.)
- No CP spool devices are available to allocate to the file
- The link received a punch file with a logical record length greater than 80 characters (or 81 with carriage control). The file may have originated from an MVS or VSE system.

If *origid* is set to 0, the file may have originated on a non-VM NJE node or the resource shortage was detected before the original spool file identifier could be determined.

System Action: The file is rejected and message 956E is also issued.

Operator Action: None. If the problem persists, notify local RSCS support personnel. The RSCS machine may not have enough virtual storage allocated to it, too many links may be active, or too many streams on *linkid* may be active simultaneously.

Destination: R, RS, SCO

**939E Protocol error in file (*origid*) on link *linkid*
Link *linkid* file (*origid*) -- reason**

Explanation: The specified file contained improper NJE headers or records. The possible *reasons* are:

no job header received

No NJE job header was found in file *origid* before data or another NJE header was found.

no dataset header received

No NJE data set header was found in SYSOUT file *origid* before data records were found.

no job trailer received

No NJE job trailer was found in file *origid* before the EOF indication was found.

invalid header segment length

An NJE header segment was found with a length of 0 in file *origid*.

unknown header type

An NJE header record was found with an unknown header record type in file *origid*.

missing last header segment

An NJE header record was found missing its last segment in file *origid*.

missing first header segment

An NJE header record was found missing its first segment in file *origid*.

header segments out of order

An NJE header record was found with nonconsecutive segment numbers in file *origid*.

inconsistent header record types

An NJE header record was found with differing record types in different segments in file *origid*.

duplicate job header

A second NJE job header record was found in file *origid*.

invalid header section length

An NJE header record was found with a section length less than 4 in file *origid*.

invalid spanned record length

An NJE data record was found with a record length greater than the record length indicated in a preceding data set header in file *origid*.

System Action: RSCS rejects the file and issues message DMT956E.

Operator Action: None.

Destination: R, RS, SCO

940E Invalid XAB format found for file (*origid*)

Explanation: The file identified by *origid* has an external attribute buffer (XAB) associated with it that RSCS cannot process. RSCS processes only those XABs that are in the format of those generated by Print Services Facility/VM and intended for full-page printers. For details, see the *Network Job Formats and Protocols for System/370 Program Products* book and the *VM/RSCS: Diagnosis Reference*.

System Action: Processing on this file continues, but none of the information in the XAB is transmitted to the destination node.

User Action: Correct the XAB to an acceptable format, or remove the XAB associated with the file, and resubmit the

file to RSCS. This may involve contacting the local support personnel to correct an application program that associated the XAB with the spool file.

Destination: FO

9411 User exit *nnn* has rejected file (*origid*) on link *linkid*

Explanation: One of the NJE header and trailer reception exit routines (exits 14, 15, and 16) has rejected the file identified by *origid*. The user exit does this by returning to RSCS with a return code of 8.

System Action: This link waits for the remote system to acknowledge its rejection of the file. Until the remote system acknowledges, no new incoming files can be received on that stream. After acknowledgement, normal file transmission is resumed.

Operator Action: If the file rejection is viewed as a problem, notify the local support personnel responsible for the user exit that rejected the file.

Destination: R, RS

942E NAK threshold reached on link *linkid* -- link being deactivated

Explanation: 20 consecutive NAK (X'3D') replies have occurred while attempting to transmit to a Peer Network Link identified by *linkid*. The possible cause of the error may be hardware strapping, line I/O errors on the Peer System, or both Network Peers are not able to synchronize their transmissions and receptions.

System Action: The link will be deactivated.

Operator Action: Ensure that the RSCS GVM has been tuned to allow sufficient time to maintain synchronization with the Network Peer. Hardware on a BSC link forces a time-out value of 2.7 seconds before an error is presented to the I/O originator. It is imperative that this time interval is maintained for all I/O operations that occur on both sides of a Network link. The peer that is receiving the NAK response is normally the side that is exceeding the hardware I/O execution time limit.

If the error is due to causes other than the NAK response to a time-out, the hardware line condition must be verified. The Network Peer should also be reviewed to determine what has been received that is resulting in its transmission of the NAK. If it is a Protocol error, there should be some error message(s) on the Peer System console that may point to the problem. Every effort should be made to determine the error and attempt to correct that condition before any reconnection is made between the two Peer Systems.

Destination: R, SCO

943E NJE protocol error on link *linkid* -- file *spoolid* (*origid*) held

Explanation: RSCS attempted to send the file identified by *spoolid* (*origid*) to a remote system on the link identified by *linkid*. The remote system committed an NJE protocol violation by responding with "transmission complete" before RSCS transmitted the EOF record. File status at the receiving node is unknown.

System Action: The file is placed on hold status.

Operator Action: Correct the protocol error in the remote system and then release the file from hold status. If the problem persists, notify local RSCS support personnel.

Destination: R

944E {Command | Message} rejected by user exit 32

Explanation: A command or message that was received from a remote system has been rejected by user exit 32. The criteria for rejecting the command or message are exit code dependent.

System Action: The command or message is discarded, and normal RSCS processing continues.

Operator Action: If the message or command should not have been rejected, contact the systems programmer responsible for the RSCS software on the system that rejected the command or message to determine what the exit is supposed to be screening.

Destination: CO, R

945E Protocol error detected by link *linkid*, code *code* -- link being deactivated

Link deactivated -- reason

Explanation: The other side of the link connection found a protocol error. The message displays a hexadecimal reason code and a reason which indicate the type of protocol violation encountered. The reason codes and reasons are:

08xx remote system in SHUTDOWN

The remote system is shutting down its NJE operations and cannot accept a file at the moment.

0C04 stream not supported

RSCS sent a file on a stream that the remote system cannot receive.

0C08 stream drained

RSCS sent a file on a stream that the remote system is not receiving at the moment.

0C0C unknown stream

RSCS sent a file on a stream that the remote system did not recognize.

0C10 FCS conflict

RSCS sent a file on a stream that conflicts with another active stream.

0Cxx RIF received for unsupported stream

RSCS sent a file on a stream that the remote system cannot receive.

1004 insufficient real storage

The remote system lacks enough real storage to process a file.

1008 insufficient virtual storage

The remote system lacks enough virtual storage to process a file.

100C insufficient spool space

The remote system lacks enough free spool space or spool file numbers to process a file.

1010 insufficient CPU resources

The remote system lacks enough CPU resources (other than those listed) to process a file.

10xx lack of resources

The remote system lacks enough resources (other than those listed) to process a file.

1404 operator issued HOLD command

The remote operator issued a HOLD command for the connection.

1408 operator issued STOP command

The remote operator issued a STOP command for the connection.

140C operator issued FLUSH command

The remote operator issued a FLUSH command for the file.

14xx operator issued command

The remote operator issued an RSCS command (other than those listed) for the connection or stream.

1804 last transmission not correctly terminated

The remote system did not receive data from RSCS that it had expected.

1808 compression or compaction error detected

The remote system received a data compression or compaction instruction from RSCS that it did not understand.

180C records sent out of sequence

The remote system did not receive data records from RSCS that it had expected.

1810 mixed RCBs encountered

The remote system received data for more than one stream in a single buffer from RSCS.

1814 undefined RCB/SRCB combination

The remote system received a data record type from RSCS that it did not understand.

1818 data being received exceeds expected length

The remote system attempted to send a data buffer with a length greater than RSCS expected.

18xx protocol violation

The remote system received a protocol violation (other than those listed) for the connection or stream.

1C04 unsupported device

A file was created on another system with a virtual spool output device that is not supported at this node. The file cannot be processed on this node.

1Cxx datastream error

The remote system would not accept the file format.

20xx file rejected by exit or security routine

An exit routine or security system on the remote system rejected the file.

xxxx unknown reason

The remote system supplied no reason code or supplied a reason code unknown to RSCS.

System Action: RSCS deactivates the link, and continues normal processing.

Operator Action: Restart the link, and try to get a trace of the link activity that led up to the protocol violation. Contact your RSCS support personnel.

Destination: R, SCO

946E File (*origid*) cannot be sent on link *linkid* -- record length exceeds maximum

Explanation: RSCS attempted to send the file identified by *origid* to a remote system on the link identified by *linkid*. RSCS was unable to send the file because it contained records longer than 32,759 bytes, which is the maximum record length allowed by the NJE protocol.

System Action: The file is purged.

User Action: Run the application that created the file again, using parameters that will create shorter records.

Destination: FO, R

947E Compaction SCB found in buffer on link *linkid*

Explanation: The session driver for the SNANJE-type link identified by *linkid* found a string control byte (SCB) that indicated compacted data on the link identified by *linkid*. RSCS does not support compaction.

System Action: The link is deactivated.

Operator Action: Notify local RSCS support personnel.

Destination: R, RS, SCO

948E Link *linkid* error threshold reached during signon processing -- link deactivated

Explanation: 20 errors occurred during attempts to signon the NJE-type link identified by *linkid*. The errors may be I/O errors, or they may be protocol errors such as the expected line sequence characters not being received at the proper time or improper exchanges of initial signon records.

System Action: The link will be deactivated.

Operator Action: Be certain you have specified the proper parameters and device address for starting the link. If you have, you may want to specify the TRACE option on the RSCS START command for the link to trace the signon process. If the problem persists, notify local RSCS support personnel.

Destination: R, SCO

949E Link *linkid* unable to signon as primary -- remote also attempting signon as primary

Explanation: The indicated NJE-type link was started with MODE=PRI. This mode indicates the line driver is supposed to act as the primary and write an initiation sequence to the BSC line. When attempting to write this sequence, a line contention condition was encountered.

System Action: RSCS sets the link to contention mode (MODE=CON) and continues normal processing.

Operator Action: Be certain you mean to start the link with MODE=PRI. When you do this, the other system must be started with MODE=SEC or its equivalent if it is a non-VM NJE system. If it has not been, you may want to not specify the MODE parameter at all, or specify MODE=CON. If you are working with a particular BSC hardware combination that requires you to specify MODE=PRI, verify that the other system has specified MODE=SEC or its equivalent on that system. If both parameters are specified correctly, try again. If the problem persists, notify local RSCS support personnel.

Destination: R, SCO

950I NJE initialization sequence received -- link *linkid* being deactivated

Explanation: A BSC "SOHENQ" character sequence or CTCA "SYNNAK" character sequence was received from the remote system on the link identified by *linkid*. These sequences mean that the other system is attempting to restart, and new signon records must be exchanged. This message may indicate that the remote system abnormally terminated and is now trying to reestablish communications.

System Action: The specified link is deactivated, and control is given to the restart exec for the link.

Operator Action: If a restart exec was defined for the link, the link will be restarted automatically. Otherwise, use the

RSCS START command to restart the link if it is desired to resume file transmission.

Destination: R, SCO

9511 Sign-off record received -- link *linkid* being deactivated

Explanation: A sign-off record was received from the remote system on the link identified by *linkid*. This message usually indicates that the remote system is deliberately stopping transmission because of operator request and not due to an error condition.

System Action: The specified link is deactivated. For an NJE-type link, control is given to a restart exec, if one exists for that link.

Operator Action: No action is required. The RSCS START command may be used to restart the link. Because the remote system signed off, it must be restarted also if file transmission is to resume.

Destination: R, SCO

952E Block sequence error on link *linkid* -- Link being deactivated

Explanation: An error in sequencing data has occurred on the link identified by *linkid*. If the message was issued for an NJE-type link, the remote system has sent a "BCB Sequence Error" RCB. Some data may have been lost.

System Action: The specified link is deactivated, and control is given to the restart exec for the link. Files that were in the process of being transmitted to the remote system are closed and enqueued for transmission again. For networking links (NJE, SNANJE, or TCPNJE), files that were being received are closed and purged, because the remote system will resend them if the link is reconnected. For MRJE links, files being received are just closed.

Operator Action: If a restart exec was defined for the link, the link will be restarted automatically. Otherwise, use the RSCS START command to restart the link if it is desired to resume file transmission. This message is usually the result of problems with the telecommunication line or telecommunication controllers. If the problem persists, notify local RSCS support personnel and support personnel at the remote system.

Destination: R, SCO

953E Timeout threshold reached on link *linkid* -- link being deactivated

Explanation: More than 40 consecutive timeouts have occurred on the BSC telecommunication line for the link identified by *linkid*.

System Action: The specified link is deactivated and control is given to a restart exec, if one exists for the link.

Operator Action: If a restart exec was defined for the link, the link will be restarted automatically. Otherwise, use the RSCS START command to restart the link if it is desired to resume file transmission. This message is usually the result of problems with the telecommunication line or telecommunication controllers. It is also possible that the remote system has abnormally terminated and is no longer issuing I/O requests to the telecommunication controller. If the problem persists, notify local RSCS support personnel and support personnel at the remote system.

Destination: R, SCO

954E File *spoolid (origid)* rejected on link *linkid*, reason code *xxxx*

Link *linkid* file *spoolid (origid)* rejected -- reason

Explanation: The file identified by *spoolid (origid)* could not be sent on the link identified by *linkid* because the remote system would not accept it. The reason code is hexadecimal. The reason codes and reasons are:

08xx remote system in SHUTDOWN

The remote system is shutting down its NJE operations and cannot accept a file at the moment.

0C04 stream not supported

RSCS sent a file on a stream that the remote system cannot receive.

0C08 stream drained

RSCS sent a file on a stream that the remote system is not receiving at the moment.

0C0C unknown stream

RSCS sent a file on a stream that the remote system did not recognize.

0C10 FCS conflict

RSCS sent a file on a stream that conflicts with another active stream.

0Cxx RIF received for unsupported stream

RSCS sent a file on a stream that the remote system cannot receive.

1004 insufficient real storage

The remote system lacks enough real storage to process a file.

1008 insufficient virtual storage

The remote system lacks enough virtual storage to process a file.

100C insufficient spool space

The remote system lacks enough free spool space or spool file numbers to process a file.

1010 insufficient CPU resources

The remote system lacks enough CPU resources (other than those listed) to process a file.

10xx lack of resources

The remote system lacks enough resources (other than those listed) to process a file.

1404 operator issued HOLD command

The remote operator issued a HOLD command for the connection.

1408 operator issued STOP command

The remote operator issued a STOP command for the connection.

140C operator issued FLUSH command

The remote operator issued a FLUSH command for the file.

14xx operator issued command

The remote operator issued an RSCS command (other than those listed) for the connection or stream.

1804 last transmission not correctly terminated

The remote system did not receive data from RSCS that it had expected.

1808 compression or compaction error detected

The remote system received a data compression or compaction instruction from RSCS that it did not understand.

180C records sent out of sequence

The remote system did not receive data records from RSCS that it had expected.

1810 mixed RCBs encountered

The remote system received data for more than one stream in a single buffer from RSCS.

1814 undefined RCB/SRCB combination

The remote system received a data record type from RSCS that it did not understand.

1818 data being received exceeds expected length

The remote system attempted to send a data buffer with a length greater than RSCS expected.

18xx protocol violation

The remote system received a protocol violation (other than those listed) for the connection or stream.

1C04 unsupported device

A file was created on another system with a virtual spool output device that is not supported at this node. The file cannot be processed on this node.

1Cxx datastream error

The remote system would not accept the file format.

20xx file rejected by exit or security routine

An exit routine or security system on the remote system rejected the file.

xxxx unknown reason

The remote system supplied no reason code or supplied a reason code unknown to RSCS.

System Action: RSCS stops file traffic on the specified stream and continues normal RSCS processing. The file that RSCS tried to send on the stream will remain active at 0 records and 0 blocks sent. If the other system is capable of telling RSCS to restart the stream, RSCS will do so.

Operator Action: If the other system does not support more than one stream, the link must be drained and started with fewer streams. If the other system does support more than one stream, call the operator of the other system and ask that a receiver be started for the stream identified by *nn*. If the other system is capable of telling RSCS to restart the stream, files will begin to flow normally on the link. Otherwise, issue a START command for the link to tell RSCS to try to send on the stream again.

If the other system is suffering from a temporary shortage of resources, you should wait for a short time and then issue a START command with no operands to retry starting the stream.

Destination: R, SCO

955I File (*origid*) flushed by remote system on link *linkid*

Explanation: The remote system connected to the link identified by *linkid* abnormally terminated the sending of the specified incoming file before sending an end-of-file. *origid* is the file's origin spool ID or job number at the remote system.

System Action: The incoming file is closed and purged. Normal link processing continues.

Operator Action: None.

Destination: FO, R

956E File (*origid*) on link *linkid* cannot be processed -- file rejected

Explanation: The incoming file identified by *origid* (the file's origin spool ID or job number at the remote system) on the link identified by *linkid* cannot be processed at this time. The file will be rejected. This message might be produced:

- When RSCS does not have enough unit record devices to handle the file
- If the file contains large records, and there might not be enough storage to process it

- An NJE user exit routine processing a received NJE header or trailer (exit 14, 15, or 16) has passed a return code back indicating that the file is to be rejected
- As a result of a protocol error.

This message can occur both before and after message 144I, which indicates that a new file is being received. Another message will be sent to the remote system.

System Action: The link waits for the remote system to acknowledge its rejection of the file. Until the remote system acknowledges, no new incoming files can be received on that same stream. After acknowledgement, normal file reception is resumed.

Operator Action: If the problem persists, notify local RSCS support personnel.

Destination: R, RS

957E Link *linkid* BCB error recovery threshold reached

Explanation: An NJE-type link has detected an error indication in the BCB. It has attempted to recover by resending the same buffer three consecutive times.

System Action: The link will be deactivated.

Operator Action: Restart the link. If this problem persists, notify local RSCS support personnel.

Destination: R, SCO

958E Link *linkid* remote system terminated -- {remote system fails to respond | I/O completed incorrectly}

Explanation:

- During a temporary I/O suspension on a NJE-type link (no data to send), the remote system was terminated without sending a signoff record, or
- At I/O completion, the CSW's ending address does not match the CCW chain's ending address.

System Action: The link will be deactivated.

Operator Action: None.

Destination: R, SCO

959E NAK received on CTCA -- link *linkid* deactivated

Explanation: A negative acknowledgement (NAK) was received by an NJE-type link operating on a Channel-to-Channel Adapter. NAK should be received only by a driver operating on a bisynchronous line.

System Action: The link will be deactivated.

Operator Action: Restart the link. If this problem persists, notify local RSCS support personnel.

Destination: R, SCO

960E Link *linkid* LUNAME *luname* invalid session parameter {PSERVIC | RUSIZES} specified

Explanation: Issued because RSCS has detected an invalid session parameter in the CINIT RU presented to the RSCS LOGON exit for the link identified by *linkid*. (PSERVIC is specified on the MODEENT VTAM installation macro. For details, see the *ACF/VTAM Planning and Installation Reference* book listed in the "Bibliography" on page 133 .)

System Action: The link will be deactivated.

Operator Action: Notify local RSCS and VTAM support personnel to correct the Logon Mode table entry used by this link.

Destination: R, SCO

961E Link *linkid* LUNAME *luname* SCIP exit entered erroneously

Explanation: The RSCS SCIP exit was entered with something other than BIND. This occurred before initialization was completed on the specified link, or the SCIP exit was driven for an SNANJE link acting as the Primary Logical Unit (PLU) in a session.

System Action: The session is abnormally terminated if it has already been started. If the error occurred during session initialization, the session is not started.

Operator Action: Notify local RSCS and VTAM support personnel.

Destination: R, SCO

962E Link *linkid* LUNAME *luname* abnormal termination before initialization complete

Explanation: VTAM detected some abnormal condition, or the RSCS operator issued an RSCS STOP command before the session identified by *linkid* and *luname* was completely initialized.

System Action: The session is abnormally terminated, and the link is deactivated.

Operator Action: None.

Destination: R, SCO

963E Link *linkid* LUNAME *luname* BIND rejected

Explanation: The SNANJE-type link identified by *linkid* was unable to complete session initialization with the identified *luname* because the other Logical Unit (LU) rejected the BIND.

System Action: The session is not initialized, and the link is deactivated.

Operator Action: Notify local RSCS and VTAM support personnel.

Destination: R, SCO

964E Link *linkid* LUNAME *luname* negative response received to FM type 4 header

Explanation: A negative response was received to an FM-4 Header sent by the SNANJE-type link identified by *linkid* and *luname*.

System Action: The session is abnormally terminated, and the link is deactivated.

Operator Action: Notify local RSCS and VTAM support personnel.

Destination: R, SCO

965E Link *linkid* LUNAME *luname* invalid or missing FM header

Explanation: During initialization of the SNANJE-type link identified by *linkid* and *luname*, the proper protocol of exchanging FM headers was violated. When RSCS expected to read an FMH-4 header, it either received another type of FM header or a signon or data record.

System Action: A negative response is sent to the other system, and the link is deactivated.

Operator Action: Notify local RSCS and VTAM support personnel.

Destination: R, SCO

966E Link *linkid* LUNAME *luname* FM type 3 header received

Explanation: On the SNANJE session identified by *linkid* and *luname*, an FMH-3 header has been received. RSCS does not support compaction and should never receive such a header.

System Action: A negative response is sent to the other system, and the link is deactivated.

Operator Action: Notify local RSCS and VTAM support personnel.

Destination: R, SCO

967E Link *linkid* LUNAME *luname* invalid data in FM type 4 header received

Explanation: On the SNANJE session identified by *linkid* and *luname*, an FMH-4 header has been received that has an RU size value specified which is less than 300 bytes.

System Action: A negative response is sent to the other system, and the link is deactivated.

Operator Action: Notify local RSCS and VTAM support personnel.

Destination: R, SCO

968E Link *linkid* LUNAME *luname* negative response received -- session terminating

Explanation: A negative response was received on the SNANJE session identified by *linkid* and *luname*. Negative responses are not issued in SNANJE unless an unrecoverable error has occurred.

System Action: The session is terminated, and the link is deactivated.

Operator Action: Notify local RSCS and VTAM support personnel.

Destination: R, SCO

969E Link *linkid* LUNAME *luname* invalid BIND parameter {COMPROT | ENCR | FMPROF | PRIPROT | PSERVIC | SECPROT | TSPROF | TYPE} received

Explanation: Issued because RSCS has detected an invalid BIND parameter in the BIND RU presented to the RSCS SCIP exit. The first invalid *parameter* is placed in the message. (This parameter is specified on the MODEENT VTAM installation macro. See the *ACF/VTAM Installation and Resource Definition* book listed in the "Bibliography" on page 133.)

System Action: The BIND will be rejected by a VTAM SESSIONC macro and the link will be deactivated.

Operator Action: Notify local RSCS and VTAM support personnel to correct the Logon Mode table entry used by this link.

Destination: R, SCO

9701 Link *linkid* LUNAME *luname* request received for logical unit

Explanation: Issued by the SNA3270P session identified by *linkid* and *luname* when the RSCS RELREQ exit is driven. This indicates that another VTAM application is attempting to use the printer identified by *luname*.

System Action: File transmissions on the affected link will be quiesced after the current file is sent. The link will remain active. When another file is available for transmission, the printer driver will request a session with the printer from VTAM.

Operator Action: None.

Destination: R

971W File *origid* on link *linkid* contains invalid carriage control -- default assumed

Explanation: The SYSOUT file identified by *origid* was sent to an RSCS system to be printed. The file originated on a non-VM NJE node and contains records with carriage control that cannot be printed correctly on a VM system.

System Action: All records in the file are printed except for the ones with invalid carriage control. These records are printed as "space 1 and write" if ASA carriage control is used in the file or as "write and space 1" or "immediate space 1" if machine carriage control is used.

User Action: Consider the destination node you are sending output to. Ensure that it supports the carriage control you are using or incorrect results may occur.

Destination: FO, R

972I Intervention required on {printer | work station} link *linkid*

Explanation: A printer or workstation described by *linkid* needs operator intervention.

System Action: The link driver tried to make the initial connection or send a print buffer to a nonworking printer or workstation. The line buffer waits for operator intervention on the device or console command execution.

Operator Action: Take appropriate action, such as: turn the printer on, fix printer paper, or enter the console commands DRAIN or FLUSH.

Destination: FO, R, SCO

Note: This message will not be sent to the printer (RS) if the printer is also the START command originator (SCO).

973E Stream *n* on link *linkid* for RCB X'xx' stopped, reason code *xxxx*

Link *linkid* stream *n* -- reason

Explanation: RSCS could not send the stream identified by RCB X'xx' on the link identified by *linkid* because the remote system would not accept it. The reason code is hexadecimal. The reason codes and reasons are:

08xx remote system in SHUTDOWN

The remote system is shutting down its NJE operations and cannot accept a file at the moment.

0C04 stream not supported

RSCS sent a file on a stream that the remote system cannot receive.

0C08 stream drained

RSCS sent a file on a stream that the remote system is not receiving at the moment.

0C0C unknown stream

RSCS sent a file on a stream that the remote system did not recognize.

0C10 FCS conflict

RSCS sent a file on a stream that conflicts with another active stream.

0Cxx RIF received for unsupported stream

RSCS sent a file on a stream that the remote system cannot receive.

1004 insufficient real storage

The remote system lacks enough real storage to process a file.

1008 insufficient virtual storage

The remote system lacks enough virtual storage to process a file.

100C insufficient spool space

The remote system lacks enough free spool space or spool file numbers to process a file.

1010 insufficient CPU resources

The remote system lacks enough CPU resources (other than those listed) to process a file.

10xx lack of resources

The remote system lacks enough resources (other than those listed) to process a file.

1404 operator issued HOLD command

The remote operator issued a HOLD command for the connection.

1408 operator issued STOP command

The remote operator issued a STOP command for the connection.

140C operator issued FLUSH command

The remote operator issued a FLUSH command for the file.

14xx operator issued command

The remote operator issued an RSCS command (other than those listed) for the connection or stream.

1804 last transmission not correctly terminated

The remote system did not receive data from RSCS that it had expected.

1808 compression or compaction error detected

The remote system received a data compression or compaction instruction from RSCS that it did not understand.

180C records sent out of sequence

The remote system did not receive data records from RSCS that it had expected.

1810 mixed RCBs encountered

The remote system received data for more than one stream in a single buffer from RSCS.

1814 undefined RCB/SRCB combination

The remote system received a data record type from RSCS that it did not understand.

1818 data being received exceeds expected length

The remote system attempted to send a data buffer with a length greater than RSCS expected.

18xx protocol violation

The remote system received a protocol violation (other than those listed) for the connection or stream.

1C04 unsupported device

A file was created on another system with a virtual spool output device that is not supported at this node. The file cannot be processed on this node.

1Cxx datastream error

The remote system would not accept the file format.

20xx file rejected by exit or security routine

An exit routine or security system on the remote system rejected the file.

xxxx unknown reason

The remote system supplied no reason code or supplied a reason code unknown to RSCS.

System Action: RSCS stops file traffic on the specified stream and continues normal RSCS processing. The file that RSCS tried to send on the stream will remain active at 0 records and 0 blocks sent. If the other system is capable of telling RSCS to restart the stream, RSCS will do so.

Operator Action: If the other system does not support more than one stream, the link must be drained and started with fewer streams. If the other system does support more than one stream, call the operator of the other system and ask that a receiver be started for the stream identified by *nn*. If the other system is capable of telling RSCS to restart the stream, files will begin to flow normally on the link. Otherwise, issue a START command for the link to tell RSCS to try to send on the stream again.

If the other system is suffering from a temporary shortage of resources, you should wait for a short time and then issue a START command with no operands to retry starting the stream.

Destination: R, SCO

974E VTAM error on link linkid

Explanation: A printer described by *linkid* detected an I/O error condition while a file was printing.

System Action: The link driver tried to send the print buffer but, because of a nonrecoverable hardware programming error, an I/O error message is produced and the link driver terminates.

User Action: If I/O errors persist, notify local support personnel.

Destination: FO

975E Link linkid LUNAME luname SCIP exit entered with code X'nn'

Explanation: RSCS is acting as a Secondary Logical Unit (SLU) in the session identified by *linkid* and *luname*. The RSCS SCIP exit was driven for this LU by something other than an UNBIND or SDT. CODE X'nn' is the RU type. RU types are listed in the *Systems Network Architecture Reference Summary*.

System Action: The session is abnormally terminated, and the link is deactivated.

Operator Action: Notify local RSCS and VTAM support personnel.

Destination: R, SCO

976I Link linkid LUNAME luname UNBIND received -- session terminating

Explanation: The SNANJE session identified by *linkid* and *luname* has received an UNBIND RU from its session partner. RSCS is acting as a Secondary Logical Unit (SLU) in the session.

System Action: The session is terminated, and the link is deactivated.

Operator Action: None.

Destination: R, SCO

977I Link linkid LUNAME luname CID = communication id RSHUTD received -- link draining

Explanation: RSCS is acting as a Primary Logical Unit (PLU) in the session identified by *linkid*, *luname*, and *communication id*. The communication ID identifies the session to VTAM. RSCS received a request from VTAM to perform an orderly shutdown.

System Action: RSCS terminates the session as if the RSCS operator had issued an RSCS DRAIN command.

Operator Action: None.

Destination: R, SCO

978E Link linkid LUNAME luname duplicate FM type 4 headers received

Explanation: Two FMH-4 headers were received on the link identified by *linkid* and *luname*.

System Action: A negative response is sent to the other system, and the link is deactivated.

Operator Action: Notify local RSCS and VTAM support personnel.

Destination: R, SCO

980I Link 'linkid' 'status' 'type' TAG queue is empty

Explanation: RSCS did not find any files on the link identified by '*linkid*' for the specific TAG queue (identified by '*status*' and '*type*').

System Action: No data is displayed.

User Action: No user action is required. This is an informational message only.

Destination: CO

981I ROUTEGRP table is empty

Explanation: The ROUTEGRP table pointed to by the CVT did not contain any entries.

System Action: No data is displayed.

User Action: No user action is required. This is an informational message only.

Destination: CO

982E Link 'linkid' not found

Explanation: The LINKTABL entry identified by 'linkid' was not found in the dump being processed. A link by that name was not defined in the configuration file.

System Action: The subcommand is ignored; no information is displayed.

User Action: Verify that you entered the link ID correctly and issue the subcommand again.

Destination: CO

984E There are only 'nnnnnn' records in the ITRACE table

Explanation: You issued the ITRACE subcommand to request a specific number of records, but there are not enough records in the table to satisfy your request.

System Action: No data is displayed.

User Action: Issue the subcommand again and use a number within the range of available records as indicated by 'nnnnnn'.

Destination: CO

985I Page 'nnnnnnnn' not found in dump

Explanation: The specified page of storage, 'nnnnnnnn', was not found in the dump.

System Action: The subcommand is not executed.

User Action: Verify that you specified a valid RSCS address; if it is valid, the dump may not be complete. If not valid (for example, character data), this may be a symptom of the problem. The dump is still useable, but you may not be able to use the RSCS subcommands for DUMPSCAN. The *VM/RSCS: Diagnosis Reference* and the *VM/ESA: Group Control System* reference may provide more information.

Destination: CO

986E Invalid TAGQUE parameter 'parameter' found, 'ALL' assumed

Explanation: The specified 'parameter' value is not valid for the TAGQUE subcommand.

System Action: The subcommand is not executed.

User Action: Verify the subcommand syntax in the *VM/RSCS: Diagnosis Reference* book and issue the subcommand again.

Destination: CO

987E RSCS load address 'xxxxxx' is invalid

Explanation: The RSCS load address 'xxxxxx', passed to the Dump Viewing Facility from GCS, is not valid.

System Action: The subcommand is not executed.

User Action: The dump is still useable, but the use of RSCS subcommands for DUMPVIEW may not be possible. The *VM/RSCS: Diagnosis Reference* and the *VM/ESA: Group Control System* reference may provide more information.

Destination: CO

988E Module modulename not loaded -- unable to execute subcommand subcommand

Explanation: The RSCS module *modulename*, which processes the specified subcommand *subcommand*, was not found on a disk accessed by the user's virtual machine.

System Action: The subcommand is not executed.

User Action: The dump is still useable, but the specified subcommand cannot be used unless the appropriate module is placed on a disk accessed by the user's virtual machine. The subcommands are processed by the following modules:

CVT	DMTYCV
DWA	DMTYDW
IOTABLE	DMTYIO
ITRACE	DMTYIT
LINKS	DMTYLI
NDWA	DMTYND
RIB	DMTYRI
ROUTES	DMTYRO
TAGQUE	DMTYTG
TIB	DMTYTI

Destination: CO

989I RCB 'rcb' for link 'linkid' not found in dump

Explanation: The record control byte *rcb* could not be found for the specified link in the dump.

System Action: No information is displayed.

User Action: No user action is required. This is an informational message only. Verify that the RCB specified is valid. Reissue the subcommand with the correct RCB if necessary.

Destination: CO

990I Internal trace table is empty

Explanation: The pointer to the RSCS internal trace table in the CVT is all zeros. No storage for the internal trace table was ever obtained, or it was purged by using the ITRACE command prior to the VMDUMP command that produced the dump.

System Action: No data is displayed.

User Action: No user action is required. This is an informational message only. If the internal trace records are required for problem determination, invoke internal tracing by using the ITRACE command or statement, and recreate the problem or reissue the VMDUMP command. See the *VM/RSCS: Operation and Use* book for details on the ITRACE command and the *VM/RSCS: Planning and Installation* book for details on the ITRACE statement.

Destination: CO

991E Invalid command format -- unable to execute subcommand

Explanation: The syntax of the subcommand was incorrect.

System Action: The subcommand is not executed.

User Action: Verify the subcommand syntax in the *VM/RSCS: Diagnosis Reference* and issue the subcommand again.

Destination: CO

992I No DWA for link '*linkid*' available in dump

Explanation: There was no DWA in use by the link at the time the dump was taken, and therefore the DWA does not exist in the dump.

System Action: The subcommand is not executed.

User Action: No further action on the part of the user is required. Other valid subcommands may still be executed to obtain different information.

Destination: CO

993I No secondary DWA or NDWA for link '*linkid*' available in dump

Explanation: The link for which the DWA display is requested did not use a secondary DWA (in the case of non-networking drivers) or a Network Dynamic Work Area (NDWA in the case of networking links).

System Action: This is not an error condition, as certain types of link drivers will only use a single DWA and do not allocate a secondary DWA or NDWA.

User Action: No user action is required. This is an informational message only.

Destination: CO

994E Requested link '*linkid*' is not a networking link

Explanation: You entered a subcommand that is intended for networking links only. The link identified by '*linkid*' is not a networking link.

System Action: The subcommand is ignored; no data is displayed.

User Action: Verify that you entered the link ID correctly and issue the subcommand again.

Destination: CO

995I IOTABLE for link '*linkid*', RCB '*rcb*' not found in dump

Explanation: No I/O has occurred on the link identified by '*linkid*'.

System Action: No data is displayed.

User Action: No user action is required. This is an informational message only.

Destination: CO

996I TIB for link '*linkid*', RCB '*rcb*' not found in dump

Explanation: There were no files being transmitted on the link (identified by '*linkid*') when this dump was taken.

System Action: No data is displayed.

User Action: No user action is required. This is an informational message only.

Destination: CO

RSCS Message Cross-Reference

This chapter contains the RSCS messages, except the columnar messages and message compiler messages, organized in alphabetical order by message text. Within each alphabetic letter, messages are listed in the following order:

1. Messages beginning with quotation marks or other special characters.

2. Messages beginning with variable data. Information will replace the variable when you see the message.

If you do not issue the CP SET EMSG ON command on the RSCS virtual machine, only the message text will be displayed on your screen; the message identifier will not be displayed. By using this cross-reference, you can look up the text of the message and find its identifier. Then, you can use the identifier or the page reference to find the message description.

Table 2 (Page 1 of 14). Message Summary by Text Cross-Reference		
Number	Text	Page
434E	<i>keyword</i> keyword already specified on previous OPTION statement -- statement ignored	31
695I	<i>locid</i> is the local node	53
522I	<i>nn</i> files changed	39
500I	<i>nn</i> file(s) closed on link <i>linkid</i>	38
640I	<i>nn</i> file(s) purged on link <i>linkid</i>	48
645I	<i>nn</i> file(s) transferred on link <i>linkid</i>	49
620I	<i>nnnn</i> { <i>dest</i> <i>dests</i> <i>route</i> <i>routes</i> <i>reroute</i> <i>reroutes</i> <i>link</i> <i>links</i> <i>file</i> <i>files</i> <i>port</i> <i>ports</i> <i>exit</i> <i>exits</i> <i>event</i> <i>events</i> <i>group</i> <i>groups</i> <i>node</i> <i>nodes</i> <i>subscription</i> <i>subscriptions</i> } { <i>found</i> <i>changed</i> }	45
738I	<i>nodeid1</i> routed through generic route for <i>nodeid2</i>	57
601E	<i>userid</i> at <i>locid</i> already subscribed to messages for link <i>linkid</i> -- command ignored	43
608E	<i>userid</i> at <i>locid</i> is already subscribed to message <i>nnn</i>	44
614I	<i>userid</i> at <i>locid</i> is no longer subscribed to any message numbers	45
615I	<i>userid</i> at <i>locid</i> is now subscribed to all message numbers	45
609I	<i>userid</i> at <i>locid</i> is now subscribed to message <i>nnn</i>	44
331E	<i>userid</i> not logged on	27
332E	<i>userid</i> not receiving	28
607I	<i>userid</i> at <i>nodeid</i> is no longer subscribed to messages <i>nnn</i>	44
604I	<i>userid</i> at <i>locid</i> is no longer subscribed to messages for link <i>linkid</i>	44
605E	<i>userid</i> at <i>nodeid</i> is not subscribed to any messages -- command ignored	44
606E	<i>userid</i> at <i>nodeid</i> is not subscribed to message <i>nnn</i>	44
603I	<i>userid</i> at <i>locid</i> is now subscribed to messages for link <i>linkid</i>	43
602E	<i>userid</i> at <i>nodeid</i> not subscribed to messages for link <i>linkid</i> -- command ignored	43
090T	ABEND { <i>U</i> <i>nnn</i> <i>S</i> <i>nnn</i> } in supervisor task <i>name</i> -- task terminated	10
080E	ABEND { <i>U</i> <i>nnn</i> <i>S</i> <i>nnn</i> } on link <i>linkid</i>	9
095E	ABEND { <i>U</i> <i>nnn</i> <i>S</i> <i>nnn</i> } -- port <i>vaddr</i> disabled	11
697I	accept message = { <i>yes</i> <i>no</i> }, enqueue message = { <i>yes</i> <i>no</i> } sent message = { <i>yes</i> <i>no</i> }, final message = { <i>yes</i> <i>no</i> } loop checking = { <i>all</i> <i>hops</i> <i>immediate</i> <i>none</i> } , maximum hopcount = <i>hh</i> remote listproc = { <i>yes</i> <i>no</i> }, maximum dsh = <i>ddd</i> , message skip = <i>ss</i> jobname setting = <i>value</i> , secure origin id = { <i>yes</i> <i>yes</i> , by default <i>no</i> <i>no</i> , by default} VAFP option = { <i>yes</i> <i>no</i> }, 5DIGIT = { <i>yes</i> <i>no</i> } QUERY message limit = { <i>yes</i> <i>no</i> }	53
700I	Activating link <i>linkid</i> <i>type</i> line = <i>vaddr</i> class = <i>class</i> { <i>queueing</i> = <i>priority</i> <i>queueing</i> = <i>size</i> <i>queueing</i> = <i>FIFO</i> }	54
707I	Activating link <i>linkid</i> <i>type</i> LUNAME= <i>luname</i> class= <i>cccc</i> { <i>queueing</i> = <i>priority</i> <i>queueing</i> = <i>size</i> <i>queueing</i> = <i>FIFO</i> } LOGMODE= <i>logmode</i>	55
680I	All for <i>locido</i> (<i>userido</i>) now rerouted to <i>locid</i> (<i>userid</i>)	52

Message Cross-Reference

Table 2 (Page 2 of 14). Message Summary by Text Cross-Reference		
Number	Text	Page
894I	All link counters reset	65
681I	All reroute for <i>locid</i> (<i>userid</i>) deactivated	52
884I	{ALL USER SYSTEM} events {deleted suspended resumed}	64
952E	Block sequence error on link <i>linkid</i> -- Link being deactivated	74
932E	Buffer containing unrecognizable data or mixed RCBs has been received on link <i>linkid</i>	70
093T	Cannot connect to message system service, {IUCVCOM IUVCINI} error, code= <i>nnnn</i>	11
459E	Channel address missing or invalid	34
716E	Channel skip <i>ch</i> detected on link <i>linkid</i> is not defined for FCB name <i>fcname</i>	56
336I	Command for <i>locido</i> rerouted to <i>locid</i>	28
944E	{Command Message} rejected by user exit 32	72
714E	Command rejected -- command invalid for SNA-type link.	56
712E	Command rejected -- device <i>vaddr</i> is reserved	55
721W	Command rejected -- FCB name <i>fcname</i> not defined by an FCB statement in the configuration file	56
756E	Command rejected -- link <i>linkid</i> deactivation in progress	58
713E	Command rejected -- LUNAME <i>luname</i> already specified for link <i>linkid</i>	55
217E	Command rejected -- RSCS is already initialized	22
216E	Command rejected -- RSCS is not initialized	22
755E	Command rejected -- RSCS/VTAM interface is not started	58
754E	Command rejected -- RSCS/VTAM interface is stopping	58
753E	Command rejected -- shutdown in progress	58
947E	Compaction SCB found in buffer on link <i>linkid</i>	73
451E	Configuration file entry out of order	33
205E	Conflicting keyword <i>keyword</i>	20
207E	Conflicting option <i>keyword option</i>	21
123E	CP error while accessing an RSCS reader file	15
173I	CP: (<i>command response</i>)	17
475E	CP option not allowed	35
175I	CP: Return code = <i>n</i>	17
172I	CPQ: (<i>command response</i>)	17
174I	CPQ: CPU model: <i>aaaa</i> , processor identifier: <i>bbbbbb</i>	17
832I	Created message file on link <i>linkid</i> destined to DEST <i>locid</i> (<i>userid</i>)	63
831I	Creating message file on link <i>linkid</i> in response to file <i>spoolid</i> (<i>orgid</i>)	63
076E	Data received for unknown session -- ignored	9
937E	Decompression error on link <i>linkid</i>	71
559E	DEFINE command for link <i>linkid</i> rejected by user exit 33	41
345E	Destination identifier <i>dest</i> already defined	28
348I	Destination identifier <i>dest</i> deleted	29
346E	Destination identifier <i>dest</i> not defined	28
124E	Device unsupported for file <i>spoolid</i> on link <i>linkid</i>	15
118E	Device <i>vaddr</i> found on reserved channel	14
711E	Device <i>vaddr</i> is incompatible type -- link <i>linkid</i> not activated	55
703E	Device <i>vaddr</i> is not a line port -- link <i>linkid</i> not activated	54
237I	Device <i>vaddr</i> is not a line port -- port deleted	24

Table 2 (Page 3 of 14). Message Summary by Text Cross-Reference

Number	Text	Page
448E	Dump = {yes no}, size = <i>nn</i> pages, gtrace = {on off}	33
487E	Duplicate AUTH statement specified	36
460E	Duplicate channel address	34
718W	Duplicate channel specifications in FCB statement for FCB name <i>fcbyname</i> -- statement ignored	56
484E	Duplicate {form FCB}name specified	36
449E	Duplicate group ID	33
456E	Duplicate link ID	33
744E	Duplicate link <i>linkid</i> specified	57
554E	Duplicate list processing link driver <i>linkid</i> cannot be {defined started}	41
424E	Duplicate LISTPROC link entry ignored	30
455E	Duplicate location node ID	33
488E	Duplicate LUNAME specified	36
457E	Duplicate port address	34
920E	Duplicate signon record received -- link <i>linkid</i> being deactivated	67
467E	Duplicate symbolic driver specifications	34
257I	Enablement verification check returned {not enabled not defined an unknown error} -- {RSCS initialization continuing TCP Port redirector not started RSCS/VTAM interface not started}	26
258I	Enablement verification check returned {not enabled not defined an unknown error} -- link <i>linkid</i> not started	26
001I	End of command response	5
405I	Entering no tolerance mode -- any error causes termination	29
888I	Event Manager executing: <i>text</i>	64
880E	Event not scheduled -- {no command specified specified time is before current time invalid time or range specified}	63
883I	Event <i>taskid</i> {deleted suspended resumed scheduled complete}	64
891I	Event <i>taskid</i> is not currently scheduled	65
882I	Event <i>taskname</i> {deleted suspended resumed scheduled complete}	63
890I	Event <i>taskname</i> is not currently scheduled	64
881I	Event <i>taskname</i> scheduled -- the associated taskid is <i>taskid</i>	63
886E	EVENTS file -- {date time days of week range command} field missing or invalid	64
887E	EVENTS file -- SPECIAL record contains an invalid date	64
820E	Exit module not loadable on link <i>linkid</i>	62
430E	Exit routine <i>name</i> not loadable	30
720W	FCB name <i>fcbyname</i> not defined by an FCB statement in the configuration file -- statement ignored	56
675E	File <i>filename</i> GCS not found -- exec not executed	51
946E	File (<i>origid</i>) cannot be sent on link <i>linkid</i> -- record length exceeds maximum	73
955I	File (<i>origid</i>) flushed by remote system on link <i>linkid</i>	75
120I	File (<i>origid</i>) for <i>locido</i> (<i>userido</i>) rerouted to <i>locid</i> (<i>userid</i>)	14
956E	File (<i>origid</i>) on link <i>linkid</i> cannot be processed -- file rejected	75
971W	File <i>origid</i> on link <i>linkid</i> contains invalid carriage control -- default assumed	77
104I	File (<i>origid</i>) {spooled transferred} to <i>userid1</i> -- origin <i>locid</i> (<i>userid2</i>) mm/dd/yy hh:mm:ss zzz	12
116I	File (<i>origid</i>) transferred to <i>userid</i>	14
109I	File queue reordered	12
102I	File <i>spoolid</i> accepted for transmission to <i>locid</i> (<i>userid</i>)	12
510I	File <i>spoolid</i> backspaced	39

Message Cross-Reference

Table 2 (Page 4 of 14). Message Summary by Text Cross-Reference		
Number	Text	Page
929E	File <i>spoolid</i> cannot be sent on link <i>linkid</i> due to temporary protocol restriction	69
600I	File <i>spoolid</i> forward spaced	43
106I	File <i>spoolid</i> missing -- dequeued from link <i>linkid</i>	12
581E	File <i>spoolid</i> not active	43
664E	File <i>spoolid</i> not found	50
526E	File <i>spoolid</i> not found -- no action taken	39
524E	File <i>spoolid (origid)</i> active -- no action taken	39
647E	File <i>spoolid (origid)</i> cannot be changed -- no 3800 section in file	49
646E	File <i>spoolid (origid)</i> cannot be {changed transferred} -- multiple dataset headers in file	49
644E	File <i>spoolid (origid)</i> cannot be transferred -- no list processor defined.	49
520I	File <i>spoolid (origid)</i> changed	39
101I	File <i>spoolid (origid)</i> enqueued on link <i>linkid</i>	11
528E	File <i>spoolid (origid)</i> for <i>locid (userid)</i> held in hop count loop	39
529E	File <i>spoolid (origid)</i> for <i>locid (userid)</i> held in immediate routing loop on link <i>linkid</i>	40
638E	File <i>spoolid (origid)</i> has no backup route -- route not deactivated	48
525E	File <i>spoolid (origid)</i> is not for link <i>linkid</i> -- no action taken	39
341E	File <i>spoolid (origid)</i> not active	28
926E	File <i>spoolid (origid)</i> not sent on link <i>linkid</i> -- excessive data encountered function not supported graphics files must be PUNCH invalid CCW opcode negative acknowledge received premature end of file RSCS buffer size too small	68
342E	File <i>spoolid (origid)</i> owned by <i>locid (userid)</i> and <i>locid (userid)</i>	28
580I	File <i>spoolid (origid)</i> processing terminated on link <i>linkid</i>	42
834I	File <i>spoolid (origid)</i> purged by link <i>linkid</i>	63
112E	File <i>spoolid (origid)</i> rejected by RSCS accounting exit	13
103E	File <i>spoolid (origid)</i> rejected -- invalid destination address	12
117E	File <i>spoolid (origid)</i> rejected -- invalid priority	14
954E	File <i>spoolid (origid)</i> rejected on link <i>linkid</i> , reason code <i>xxx</i> Link <i>linkid</i> file <i>spoolid (origid)</i> rejected -- <i>reason</i>	74
105I	File <i>spoolid</i> purged	12
110E	File <i>spoolid</i> rejected -- invalid device type	12
680I	Files for <i>locido (userid)</i> now rerouted to <i>locid (userid)</i>	52
681I	Files reroute for <i>locid (userid)</i> deactivated	52
709E	For linktype <i>type</i> , module <i>modname</i> is not loadable -- link <i>linkid</i> not activated	55
476E	Form name missing or invalid	35
931E	Format error in internally coded record in file <i>spoolid</i> on link <i>linkid</i>	70
170I	From <i>locid</i> : (<i>message text</i>)	17
171I	From <i>locid (userid)</i> : (<i>message text</i>)	17
747I	Group <i>groupid</i> contains no {nodes groups}	58
745I	Group <i>groupid</i> deleted	57
749I	Group <i>groupid</i> is a root group	58

Table 2 (Page 5 of 14). Message Summary by Text Cross-Reference		
Number	Text	Page
746I	Group <i>groupid</i> routed to group <i>to-groupid</i>	57
743E	Group <i>groupid</i> still contains {node group} <i>id</i> -- it cannot be deleted	57
694E	{Hops monitoring Immediate loop checking} already {enabled disabled}	53
693I	{Hops monitoring Immediate loop checking} {enabled disabled}	53
934E	ID card missing or invalid on link <i>linkid</i> -- input file purged	70
914E	Incorrect password received on link <i>linkid</i>	67
091T	Initialization failure -- RSCS Networking terminated	10
439T	Insufficient storage available for the internal trace table -- initialization terminated	32
438W	Insufficient storage available for the internal trace table size requested -- <i>nnn</i> 4K page(s) obtained	31
218E	Insufficient storage to process {command statement}	22
925E	Internal list processor error found in file <i>spoolid (origid)</i> on link <i>linkid</i> -- file flushed	68
440W	Internal trace table already established -- SIZE keyword ignored -- SIZE = <i>nnn</i>	32
990I	Internal trace table is empty	79
441E	Internal trace table purged	32
431I	Internal tracing = {on off}	31
447I	Internal tracing set as requested	32
922I	Intervention required on printer link <i>linkid</i> line <i>vaddr</i>	68
972I	Intervention required on {printer work station} link <i>linkid</i>	77
192E	IUCV Interrupt IPARML = xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx - xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx - xxxxxxxx xxxxxxxx	19
201E	Invalid command <i>command</i>	20
991E	Invalid command format -- unable to execute subcommand	79
401E	Invalid comment in configuration file -- statement ignored	29
450E	Invalid configuration file entry	33
186E	Invalid control record received -- Link <i>linkid</i> deactivated	18
425E	Invalid destination identifier <i>identifier</i>	30
486E	Invalid device address -- on reserved channel	36
480E	Invalid dispatching priority specification	35
917E	Invalid distribution record ' <i>record</i> ' in file <i>spoolid (origid)</i> on link <i>linkid</i> -- file flushed	67
463E	Invalid driver specification	34
469E	Invalid entry point name specification	35
253E	Invalid exit number <i>exitnum</i>	25
428E	Invalid exit routine <i>name</i>	30
719W	Invalid FCB name specified	56
483E	Invalid form size specification	36
219E	Invalid group <i>groupid</i>	22
408E	Invalid hide character <i>c</i> specified	29
498E	Invalid IMBED record: <i>text</i>	38
204E	Invalid keyword <i>keyword</i>	20
531E	Invalid link driver command for link <i>linkid</i> -- no action taken	40
466E	Invalid lines per inch specification	34
202E	Invalid link <i>linkid</i>	20
210E	Invalid location <i>locid</i>	21

Message Cross-Reference

Table 2 (Page 6 of 14). Message Summary by Text Cross-Reference		
Number	Text	Page
479E	Invalid LOGMODE specification	35
478E	Invalid LUNAME specification	35
830E	Invalid message file specified for link <i>linkid</i> {First line of file is blank Multiple destinations without LISTPROC definition Null message or missing distribution list delimiter}	63
433E	Invalid message module name <i>name</i>	31
916E	Invalid NJE signon connection record received -- link <i>linkid</i> is being deactivated	67
436E	Invalid number of shadows <i>nnnnn</i> specified	31
206E	Invalid option <i>keyword option</i>	21
211E	Invalid option <i>keyword option1 option2</i>	21
833E	Invalid or blank distribution record encountered while processing <i>spoolid (origid)</i>	63
910E	Invalid parameter <i>parm</i> on tag -- parameter ignored	66
224E	Invalid port address <i>vaddr</i>	23
919E	Invalid record in list processor file <i>spoolid (origid)</i> on link <i>linkid</i> -- file flushed	67
686E	Invalid reroute specification	52
241E	Invalid signon record on port <i>vaddr</i>	24
437E	Invalid size specified for internal trace table	31
481E	Invalid slowdown specification <i>nnnn</i>	36
203E	Invalid spool id <i>spoolid</i>	20
986E	Invalid TAGQUE parameter ' <i>parameter</i> ' found, 'ALL' assumed	79
208E	Invalid user ID <i>userid</i>	21
940E	Invalid XAB format found for file (<i>origid</i>)	71
995I	IOTABLE for link ' <i>linkid</i> ', RCB ' <i>rcb</i> ' not found in dump	80
070E	I/O error on link <i>linkid vaddr</i> SSCHCC <i>cc</i> SCSW <i>scsw</i> Sense <i>sense</i> CCW <i>ccw</i>	7
069E	I/O error <i>vaddr</i> SSCHCC <i>cc</i> SCSW <i>scsw</i> sense = <i>sense</i> CCW <i>ccw</i>	7
079E	IPDS Error on link <i>linkid</i> Luname <i>luname</i> sense = <i>ssssss</i>	9
078E	IPDS Error on link <i>linkid</i> sense = <i>ssssss</i>	9
697I	Jobname setting = {origin <i>userid</i> RSCS <i>nnnn</i> }	53
013I	Language module <i>modname</i> loaded at <i>aaaaaaaa</i>	6
923E	Line or channel I/O error -- maintenance required on link <i>linkid</i> line <i>vaddr</i>	68
704E	Line <i>vaddr</i> CC=3 not operational -- link <i>linkid</i> not activated	54
702E	Line <i>vaddr</i> is in use by link <i>linkid1</i> -- link <i>linkid2</i> not activated	54
706E	Line <i>vaddr</i> is in use for auto-answer -- link <i>linkid</i> not activated	55
141I	Line <i>vaddr</i> ready for connection to link <i>linkid</i>	15
893I	Link counters for link <i>linkid</i> reset	65
213I	Link <i>linkid</i> {accepted closed} connection from host <i>ip-address</i> port <i>port</i>	21
214I	Link <i>linkid</i> accepted request to print on queue <i>queue-name</i>	22
612E	Link <i>linkid</i> already in hold status	44
571E	Link <i>linkid</i> already set to deactivate	42
750E	Link <i>linkid</i> already started	58
751I	Link <i>linkid</i> already started -- new class(es)/form/FCB mode set as requested	58
154I	Link <i>linkid</i> autostart disabled	16
957E	Link <i>linkid</i> BCB error recovery threshold reached	75
196E	Link <i>linkid</i> byte count on pass 2 (<i>count2</i>) does not match pass 1 (<i>count1</i>); file held	19

Table 2 (Page 7 of 14). Message Summary by Text Cross-Reference

Number	Text	Page
805E	Link <i>linkid</i> conflicting keyword <i>keyword</i>	60
197E	Link <i>linkid</i> control file size exceeds 4096 bytes	20
086E	Link <i>linkid</i> could not be attached	10
002I	Link <i>linkid</i> deactivated	5
653I	Link <i>linkid</i> default <i>type</i> line = <i>vaddr</i> LUNAME = <i>luname</i> logmode = <i>logmode</i> {retry = yes retry = no} Link <i>linkid</i> class <i>class</i> {queueing = priority queueing = size queueing = FIFO} {autostart = yes autostart = no} DP = <i>dp</i>	49
259E	Link <i>linkid</i> device address <i>nnnn</i> is not a TN3270E attached printer	26
819E	Link <i>linkid</i> EPARM specification invalid	62
818E	Link <i>linkid</i> EPARM specification not allowed	62
948E	Link <i>linkid</i> error threshold reached during signon processing -- link deactivated	73
003I	Link <i>linkid</i> executing: (<i>command line text</i>)	5
012I	Link <i>linkid</i> exit routine <i>name</i> loaded at <i>address</i>	6
617I	Link <i>linkid</i> file reception suspended	45
262E	Link <i>linkid</i> file <i>spoolid</i> not in the required NETDATA format -- file purged	27
611I	Link <i>linkid</i> file transmission suspended	44
014I	Link <i>linkid</i> gateway routine <i>name</i> loaded at <i>aaaaaa</i>	6
552E	Link <i>linkid</i> has a file queue -- not deleted	41
557E	Link <i>linkid</i> has link <i>linkid</i> specified as a fanout link -- link not deleted	41
935E	Link <i>linkid</i> in RJE mode -- print file <i>spoolid</i> purged	71
155I	Link <i>linkid</i> inactivity threshold reached -- link is being deactivated	16
212E	Link <i>linkid</i> invalid data received, connection closed	21
804E	Link <i>linkid</i> invalid keyword <i>keyword</i>	60
816E	Link <i>linkid</i> invalid number of streams	62
806E	Link <i>linkid</i> invalid option <i>keyword option</i>	60
553E	Link <i>linkid</i> is a list processing link -- not deleted	41
555E	Link <i>linkid</i> is a list processing link -- type may not be modified	41
303E	Link <i>linkid</i> is not active	27
302E	Link <i>linkid</i> is not defined	27
199I	Link <i>linkid</i> IUCV connect error to TCPIP machine <i>userid</i> {not logged on not running SEVERed RSCS} -- retrying	20
256E	Link <i>linkid</i> keyword <i>keyword</i> {missing invalid not allowed} for file <i>fileid</i> -- file purged	25
142I	Link <i>linkid</i> line <i>vaddr</i> dataset ready	15
143I	Link <i>linkid</i> line <i>vaddr</i> disabled	15
162I	Link <i>linkid</i> line <i>vaddr</i> printer ready	17
801I	Link <i>linkid</i> logging activated	60
810E	Link <i>linkid</i> logging already active	61
802I	Link <i>linkid</i> logging deactivated	60
809I	Link <i>linkid</i> logging mode redefined	61
811E	Link <i>linkid</i> logging not active	61
962E	Link <i>linkid</i> LUNAME <i>luname</i> abnormal termination before initialization complete	76
077I	Link <i>linkid</i> LUNAME <i>luname</i> being terminated -- LOSTERM exit entered -- reason code <i>cc</i>	9
074I	Link <i>linkid</i> LUNAME <i>luname</i> being terminated -- NSEXIT entered with {CLEANUP NSPE NOTIFY} RU	9
963E	Link <i>linkid</i> LUNAME <i>luname</i> BIND rejected	76

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Table 2 (Page 8 of 14). Message Summary by Text Cross-Reference		
Number	Text	Page
978E	Link <i>linkid</i> LUNAME <i>luname</i> duplicate FM type 4 headers received	78
966E	Link <i>linkid</i> LUNAME <i>luname</i> FM type 3 header received	76
969E	Link <i>linkid</i> LUNAME <i>luname</i> invalid BIND parameter {COMPROT ENCR FMPROF PRIPROT PSERVIC SECPROT TSPROF TYPE} received	76
967E	Link <i>linkid</i> LUNAME <i>luname</i> invalid data in FM type 4 header received	76
965E	Link <i>linkid</i> LUNAME <i>luname</i> invalid or missing FM header	76
960E	Link <i>linkid</i> LUNAME <i>luname</i> invalid session parameter (PSERVIC RUSIZES) specified	75
968E	Link <i>linkid</i> LUNAME <i>luname</i> negative response received -- session terminating	76
964E	Link <i>linkid</i> LUNAME <i>luname</i> negative response received to FM type 4 header	76
151I	Link <i>linkid</i> LUNAME <i>luname</i> ready for session initiation	16
970I	Link <i>linkid</i> LUNAME <i>luname</i> request received for logical unit	77
915I	Link <i>linkid</i> LUNAME <i>luname</i> CID= <i>communication id</i> DFASY request received, request code = <i>request code</i>	67
977I	Link <i>linkid</i> LUNAME <i>luname</i> CID= <i>communication id</i> RSHUTD received -- link draining	78
961E	Link <i>linkid</i> LUNAME <i>luname</i> SCIP exit entered erroneously	76
975E	Link <i>linkid</i> LUNAME <i>luname</i> SCIP exit entered with code X'nn'	78
152I	Link <i>linkid</i> LUNAME <i>luname</i> session established	16
153I	Link <i>linkid</i> LUNAME <i>luname</i> session terminated	16
976I	Link <i>linkid</i> LUNAME <i>luname</i> UNBIND received -- session terminating	78
320E	Link <i>linkid</i> not connected	27
982E	Link ' <i>linkid</i> ' not found	79
591E	Link <i>linkid</i> not in hold status	43
550I	Link <i>linkid</i> now deleted	40
570I	Link <i>linkid</i> now set to deactivate	42
119E	Link <i>linkid</i> output spool error	14
194E	Link <i>linkid</i> <i>parameter</i> not set by exit; file held	19
113I	Link <i>linkid</i> print mount required class <i>cccc</i> form <i>ffffff</i> {auto setup} mode fcb { <i>bbbb</i> dynamic dynamic <i>dddd</i> }	13
523I	Link <i>linkid</i> queue reordered	39
181I	Link <i>linkid</i> ready for session initiation	18
195E	Link <i>linkid</i> received NAK from host; file held [NAK message= <i>message</i>]	19
541I	Link <i>linkid</i> redefined	40
958E	Link <i>linkid</i> remote system terminated -- {remote system fails to respond I/O completed incorrectly}	75
825E	Link <i>linkid</i> required exit entry number <i>n</i> address: <i>aaaaaaaa</i> is not valid	63
198E	Link <i>linkid</i> required parameter <i>keyword</i> not specified or blank	20
215I	Link <i>linkid</i> response message requested by {data control} exit, message= <i>message</i>	22
157I	Link <i>linkid</i> restart attempt cancelled	17
156I	Link <i>linkid</i> restart disabled	17
590I	Link <i>linkid</i> resuming file transfer	43
193I	Link <i>linkid</i> {connecting to disconnecting from unable to connect to} host <i>ip-address</i> port <i>port</i> {printer <i>printer</i> user <i>username</i> }	19
182I	Link <i>linkid</i> session established	18
183I	Link <i>linkid</i> session terminated	18
551E	Link <i>linkid</i> started -- not deleted	40

Table 2 (Page 9 of 14). Message Summary by Text Cross-Reference

Number	Text	Page
542E	Link <i>linkid</i> started -- not redefined	40
654I	Link <i>linkid</i> status sending = <i>s</i> receiving = <i>r</i> queued = <i>q</i> looping = <i>l</i> held = <i>h</i>	50
980I	Link ' <i>linkid</i> ' ' <i>status</i> ' ' <i>type</i> ' TAG queue is empty	78
752I	Link <i>linkid</i> still active -- drain status reset	58
260E	Link <i>linkid</i> TAG processing exit has rejected file <i>origid</i>	26
815E	Link <i>linkid</i> TAPARM specification invalid	62
814E	Link <i>linkid</i> TAPARM specification not allowed	61
254E	Link <i>linkid</i> termination requested by exit	25
610I	Link <i>linkid</i> to suspend file transmission	44
255E	Link <i>linkid</i> total file byte count <i>nnnnnnnnnn</i> exceeded, connection closed	25
822I	Link <i>linkid</i> transmission algorithm routine <i>epname</i> loaded at <i>aaaaaaaa</i>	62
823E	Link <i>linkid</i> transmission algorithm routine <i>epname</i> not loadable	62
180I	Link <i>linkid</i> unable to listen -- TCP port redirector down	17
188E	Link <i>linkid</i> unable to listen on port <i>port</i> error number= <i>errno</i>	18
949E	Link <i>linkid</i> unable to signon as primary -- remote also attempting signon as primary	73
817E	Link <i>linkid</i> undefined transmission algorithm	62
185E	Link name mismatch -- Link <i>linkid</i> deactivated	18
705E	Link type not defined -- link <i>linkid</i> not activated	55
633E	List processing link cannot be the target of a route	47
906I	List processor <i>linkid</i> ready, buffer size= <i>nnnn</i>	66
407E	Local application ID definition invalid	29
494T	Local location definition invalid	37
452E	Local previously specified	33
402I	LOCAL statement omitted -- <i>localid</i> assumed for <i>localid</i>	29
004I	Location <i>locid</i> executing: (<i>command line text</i>)	5
638E	Location <i>locid</i> has a file queue -- indirect routing not deactivated	48
310E	Location <i>locid</i> is not defined	27
005I	Location <i>locid</i> (<i>userid</i>) executing: (<i>command line text</i>)	5
073E	{LOGON LOSTERM NSEXIT RELREQ SCIP} exit routine entered -- unknown {CID RU LUNAME} <i>name</i> ignored	9
697I	Loop checking={all hops immed none}, maximum hopcount = <i>hh</i>	53
335I	Looping command for node <i>locid</i> flushed	28
334I	Looping messages for <i>locid</i> (<i>userid</i>) flushed	28
499E	Maximum IMBED depth has been exceeded	38
220E	Maximum number of {links destinations exit names spoolids message numbers channel addresses retry intervals} exceeded	22
497E	Maximum number of open files has been exceeded	37
619I	Message exceeded maximum length -- column(s) truncated	45
333I	Message for <i>locido</i> (<i>userido</i>) rerouted to <i>locid</i> (<i>userid</i>)	28
410E	Message <i>mmm</i> is a private message -- subscription request ignored	30
409E	Message <i>mmm</i> is not defined -- subscription request ignored	29
432E	Message module not loadable	31
680I	Messages for <i>locido</i> (<i>userido</i>) now rerouted to <i>locid</i> (<i>userid</i>)	52
681I	Messages not received reroute for <i>locid</i> (<i>userid</i>) deactivated	52

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Table 2 (Page 10 of 14). Message Summary by Text Cross-Reference		
Number	Text	Page
681I	Messages reroute for <i>locid</i> (<i>userid</i>) deactivated	52
988E	Module <i>modulename</i> not loaded -- unable to execute <i>subcommand</i> subcommand	79
901E	MRJE mode not specified -- link <i>linkid</i> not activated	65
472E	MSGNOH ignored, RSCS virtual machine not privileged	35
912E	Multiple datasets found in list processor file <i>spoolid</i> (<i>origid</i>) on link <i>linkid</i> -- file flushed	66
191I	NAK control message received on link <i>linkid</i> (<i>description</i>) -- retrying	19
959E	NAK received on CTCA -- link <i>linkid</i> deactivated	75
184E	NAK received on TCP -- Link <i>linkid</i> deactivated	18
942E	NAK threshold reached on link <i>linkid</i> -- link being deactivated	72
347I	New destination identifier <i>dest</i> defined	28
540I	New link <i>linkid</i> defined	40
234I	New port <i>vaddr</i> defined	24
950I	NJE initialization sequence received -- link <i>linkid</i> being deactivated	73
943E	NJE protocol error error on link <i>linkid</i> -- file <i>spoolid</i> (<i>origid</i>) held	72
304E	No {active connect} path to <i>nodeid</i> is currently available	27
688I	No destination identifiers defined	53
992I	No DWA for link ' <i>linkid</i> ' available in dump	80
643I	No events scheduled	49
692I/E	No exit routines loaded	53
665I	No file active	51
511E	No file active on link <i>linkid</i>	39
521I	No files changed	39
674I	No files queued on {link node} <i>id</i>	51
739I	No groups defined	57
435I	No internal tracing in effect	31
673I	No link defined	51
613I	No message numbers specified -- new CRI settings for <i>userid</i> at <i>locid</i> set as requested	45
672I	No node defined	51
913E	No password parameter specified -- link <i>linkid</i> being deactivated	66
908E	No phone number specified for link <i>linkid</i>	66
221E	No ports available	23
625I	No ports available	46
936E	No remote punch available on link <i>linkid</i> -- file <i>spoolid</i> purged	71
682I	No reroutes in effect	52
993I	No secondary DWA or NDWA for link ' <i>linkid</i> ' available in dump	80
489E	No SLOWDOWN value has been specified	36
701E	No switched line available -- link <i>linkid</i> not activated	54
909I	Notify link <i>linkid</i> Ready, Template <i>filename</i> , Purge Days <i>number of days</i> , Message File Class <i>class</i>	66
885E	No {USER or SYSTEM USER SYSTEM} events are currently scheduled	64
741I	{Node Group} <i>id</i> added to group <i>groupid</i>	57
637E	{Node Group} <i>id</i> not routed	48
556E	{Node Group} <i>id</i> is routed through link <i>linkid</i> -- link not deleted	41
740I	{Node Group} <i>id</i> routed through {primary alternate} link <i>linkid</i>	57

Table 2 (Page 11 of 14). Message Summary by Text Cross-Reference		
Number	Text	Page
748I	Node <i>locid</i> routed to group <i>groupid</i>	58
821E	Nonblank exit name must be specified on link <i>linkid</i>	62
924E	Unrecoverable program error on link <i>linkid</i> line <i>vaddr</i>	68
902E	Nonsignon card read on link <i>linkid</i>	65
680I	Not received messages for <i>locido (userid)</i> now rerouted to <i>locid (userid)</i>	52
187E	Open control message received -- Link <i>linkid</i> terminated	18
114E	Open {input output} error on link <i>linkid</i> -- no virtual {storage devices} available	13
985I	Page ' <i>nnnnnnnn</i> ' not found in dump	79
453E	{PARM UPARM} previously specified for link	33
903E	Password supplied on link <i>linkid</i> is invalid	65
464E	Port address missing or invalid	34
228E	Port <i>vaddr</i> already enabled	23
230I	Port <i>vaddr</i> already enabled -- logging set as requested	24
232I	Port <i>vaddr</i> already enabled -- pending disable reset	24
227I	Port <i>vaddr</i> being disabled	23
226I	Port <i>vaddr</i> being enabled	23
233I	Port <i>vaddr</i> being restarted	24
238E	Port <i>vaddr</i> cannot be enabled -- defined as dial port	24
240I	Port <i>vaddr</i> dataset ready	24
235I	Port <i>vaddr</i> deleted	24
231I	Port <i>vaddr</i> disabled	24
628I	Port <i>vaddr</i> enabled, trace={all log rec none}	46
243E	Port <i>vaddr</i> invalid signon threshold reached -- port disabled	25
627I/E	Port <i>vaddr</i> is in use by link <i>linkid</i>	46
246E	Port <i>vaddr</i> link <i>linkid</i> signon rejected by journaling exit -- port disabled	25
244I	Port <i>vaddr</i> logging deactivated	25
222E	Port <i>vaddr</i> not attached	23
225E	Port <i>vaddr</i> not available	23
245E	Port <i>vaddr</i> output spool error	25
236I	Port <i>vaddr</i> redefined	24
247I	Port <i>vaddr</i> reset to NODIAL	25
242E	Port <i>vaddr</i> signon time limit exceeded -- port disabled	25
229E	Port <i>vaddr</i> was not enabled	23
921I	Printer on link <i>linkid</i> line <i>vaddr</i> disabled -- intervention or maintenance required	68
918W	Priority defaulted in record ' <i>record</i> ' in file <i>spoolid (origid)</i> on link <i>linkid</i>	67
081I	Program Status Word = xxxxxxxx xxxxxxxx RSCS was loaded from <i>nnnnnnnn</i> to <i>nnnnnnnn</i>	9
082I	Program Status Word = xxxxxxxx xxxxxxxx R0 - R3 =xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx R4 - R7 =xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx R8 - R11 =xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx R12 - R15 =xxxxxxxx xxxxxxxx xxxxxxxx xxxxxxxx RSCS was loaded from <i>nnnnnnnn</i> to <i>nnnnnnnn</i>	10
824E	Programming error detected by gateway program on link <i>linkid</i>	62
504E	Programming error in DMTAXM with diagnose XX'F8' -- RC= <i>rc</i> Device Address = <i>ccuu</i>	38

Message Cross-Reference

Table 2 (Page 12 of 14). Message Summary by Text Cross-Reference		
Number	Text	Page
945E	Protocol error detected by link <i>linkid</i> , code <i>code</i> -- link being deactivated Link deactivated -- <i>reason</i>	72
939E	Protocol error in file (<i>origid</i>) on link <i>linkid</i>	71
007W	Q message limit reached-- <i>nnnn</i> out of <i>total</i> responses displayed.	5
261E	Query too complex	27
621E	QUERY command too long -- cannot be propagated	46
697I	QUERY message limit = {yes no}	53
989I	RCB ' <i>rcb</i> ' for link ' <i>linkid</i> ' not found in dump	79
145I	Received file (<i>origid</i>) on link <i>linkid</i> to <i>locid</i> (<i>userid</i>)	15
144I	Receiving file (<i>origid</i>) on link <i>linkid</i> from <i>locid</i> (<i>userid</i>), records <i>nnnnnnnn</i>	15
892I	Record: (<i>record text</i>)	65
697I	Remote listproc={yes no}, maximum dsh= <i>ddd</i> , message skip= <i>ss</i>	53
930E	Request to start stream <i>n</i> on link <i>linkid</i> for RCB X' <i>nn</i> ' has been denied, code <i>xxxx</i> Link <i>linkid</i> stream <i>n</i> denied -- <i>reason</i>	69
994E	Requested link ' <i>linkid</i> ' is not a networking link	80
685E	Reroute already in effect for <i>locido</i> (<i>userid</i>)	52
683E	Reroute not in effect	52
938E	Resources not available to receive file (<i>origid</i>) on link <i>linkid</i>	71
209E	Restricted {command option} <i>ccccccc</i>	21
406I	Resuming normal tolerance mode	29
742I	Route for node <i>locid</i> deleted	57
981I	ROUTEGRP table is empty	78
011I	Routine <i>name</i> loaded for exit <i>nnn</i> at <i>aaaaaaaa</i> and marked {active inactive}	6
599W	Running in degraded mode due to shortage of queue holders -- files not queued on all eligible links	43
598I	Running in normal mode -- shortage of queue holders has subsided	43
987E	RSCS load address ' <i>xxxxxx</i> ' is invalid	79
689I	RSCS local ID <i>locid</i> application ID <i>applid</i>	53
563E	RSCS Networking already disconnected	42
564E	RSCS Networking already reconnected	42
560I	RSCS Networking disconnecting	41
010I	RSCS Networking loaded at <i>nnnnnnnn-nnnnnnnn</i> , CVT at <i>nnnnnnnn</i> , initialization time was <i>mm/dd/yy</i> <i>hh:mm:ss</i> <i>timezone</i>	6
094T	RSCS Networking must be reloaded	11
562I	RSCS Networking reconnected	42
100I	RSCS Networking terminated	11
200I	RSCS Networking Version 3, Release <i>n.n-nnnn</i>	20
000I	RSCS Networking Version 3, Release <i>n.n-nnnn</i> ready	5
502T	RSCS virtual machine is not authorized for diagnose X'F8'	38
501W	RSCS virtual machine is not authorized for diagnose X'F8' Secure Origin ID Support is not invoked	38
760E	RSCS/VTAM interface already started	59
761E	RSCS/VTAM interface already stopped	59
771I	RSCS/VTAM interface ready	59

Table 2 (Page 13 of 14). Message Summary by Text Cross-Reference		
Number	Text	Page
770I	RSCS/VTAM interface starting	59
774I	RSCS/VTAM interface {starting stopping ready stopped}	59
773I	RSCS/VTAM interface stopped	59
772I	RSCS/VTAM interface stopping	59
075I	RSCS/VTAM interface stopping -- TPEND exit entered -- reason code <i>n</i>	9
146I	Sending file <i>spoolid (origid)</i> on link <i>linkid</i> from <i>locid (userid)</i> , records <i>nnnnnnnn</i>	16
147I	Sent file <i>spoolid (origid)</i> on link <i>linkid</i> to <i>locid (userid)</i>	16
148I	Sent file <i>spoolid (origid)</i> to partial distribution on link <i>linkid</i> to <i>locid (userid)</i>	16
189E	Session closed by peer -- link <i>linkid</i> terminated	18
691I	Shift is set to <i>n</i>	53
889I	Shift now set to <i>n</i>	64
951I	Sign-off record received -- link <i>linkid</i> being deactivated	74
905I	Signon of link <i>linkid</i> complete, buffer size= <i>nnnn</i>	65
904E	Signon parameter= <i>parm</i> on link <i>linkid</i> invalid	65
907E	Signon type parameter missing on link <i>linkid</i>	66
698I	Slowdown start = <i>nnnn</i> , stop = <i>nnnn</i>	54
558E	SLOWDOWN is not valid for non-networking links	41
006W	SMSG from user ID <i>userid</i> has been truncated: <i>smsg text</i>	5
083E	Socket error on link <i>linkid</i> request= <i>request</i> return code= <i>rc</i> error number= <i>errno (description)</i>	10
190I	Socket error on link <i>linkid (description)</i> -- retrying	18
261E	Specified filters are too complex	27
454E	Statement previously specified	33
928E	Storage not available to transmit file <i>spoolid (origid)</i> on link <i>linkid</i> -- file held	69
973E	Stream <i>n</i> on link <i>linkid</i> for RCB X'xx' stopped, reason code <i>xxxx</i> Link <i>linkid</i> stream <i>n</i> -- <i>reason</i>	77
092T	Supervisor failure -- RSCS Networking terminated	11
108E	System error reading spool file <i>spoolid</i>	12
493T	System identification missing	37
776E	TCP Port redirector already started	59
777E	TCP Port redirector already stopped	59
782E	TCP Port redirector not started	60
775I	TCP Port redirector {ready stopped}	59
778I	TCP Port redirector ready	59
779I	TCP Port redirector stopped	59
780I	TCP trace logging activated	60
781I	TCP trace logging deactivated	60
122T	TAG command failed rc= <i>return code</i> file <i>spoolid (origid)</i> Fatal error	14
403W	TAGS statement is no longer supported -- statement ignored	29
911E	The PRT= <i>option</i> option for file <i>spoolid (origid)</i> on <i>linkid</i> is invalid -- {printer has no hardware FEATure defined printer not setup for translation TAG options do not match printer's FEATure}, file held.	66
984E	There are only ' <i>nnnnnn</i> ' records in the ITRACE table	79
996I	TIB for link ' <i>linkid</i> ', RCB ' <i>rcb</i> ' not found in dump	80
953E	Timeout threshold reached on link <i>linkid</i> -- link being deactivated	74

Message Cross-Reference

Table 2 (Page 14 of 14). Message Summary by Text Cross-Reference		
Number	Text	Page
699I	Time zone offset is <i>hh</i> {hours hour} <i>mm</i> {minutes minute} <i>ss</i> {seconds second} {west of GMT east of GMT GMT}	54
404E	Tolerance is already {on off} -- statement ignored	29
933E	Unable to allocate storage to receive stream (RCB X' <i>nn'</i>) on link <i>linkid</i>	70
420E	Unable to process file with ddname <i>ddname</i> -- invalid format	30
491E	Unable to open file <i>filename filetype</i>	36
492E	Unable to open file with ddname <i>ddname</i>	37
420E	Unable to process file <i>filename filetype</i> -- invalid file format	30
927E	Unable to send file <i>spoolid (origid)</i> from <i>locid (userid)</i> on link <i>linkid</i> -- excessive data encountered function not supported graphics files must be PUNCH invalid CCW opcode negative acknowledgement received premature end of file RSCS buffer size too small	69
099E	Undefined message <i>nnn</i> requested	11
941I	User exit <i>nnn</i> has rejected file (<i>origid</i>) on link <i>linkid</i>	72
561E	User ID <i>userid</i> not receiving	41
473E	User may not be authorized as both RSCS and link operator	35
121E	User <i>userid</i> not authorized to receive file	14
115E	User <i>userid</i> not in CP directory -- file (<i>origid</i>) enqueued on link <i>linkid</i>	14
111E	User <i>userid</i> not in CP directory -- file (<i>origid</i>) spooled to SYSTEM	13
616E	User <i>userid</i> not receiving subscribed messages	45
717E	Value(s) specified for the line-channel pair out of range in FCB statement for FCB name <i>fcfname</i> -- statement ignored	56
096T	Virtual Machine mode or CP/GCS release level incorrect	11
708E	Virtual storage capacity exceeded -- link <i>linkid</i> processing terminated	55
495T	Virtual storage size insufficient for initialization	37
490E	Virtual storage size insufficient to process file <i>filename filetype</i>	36
496E	Virtual storage size insufficient to process file with ddname <i>ddname</i>	37
061E	VTAM ACB cannot be closed -- error <i>cc</i>	7
060E	VTAM ACB cannot be opened -- error <i>cc (reason)</i> VTAM storage depleted Wrong password supplied on NETWORK START command Incorrect APPLID on NETWORK START command APPLID on NETWORK START command was not found by VTAM VTAM is not initialized The ACB request is currently being closed Unknown reason	6
974E	VTAM error on link <i>linkid</i>	78
071E	VTAM error on link <i>linkid</i> LUNAME <i>luname</i> REQ= <i>nn</i> R15= <i>xx</i> R0= <i>yy</i> RTNCD-FDBK2= <i>cccc</i> SENSE= <i>ssss</i> <i>uuuu</i>	8
072E	VTAM error REQ= <i>nn</i> R15= <i>xx</i> R0= <i>yy</i> RTNCD-FDBK2= <i>cccc</i> Sense= <i>ssss</i> <i>uuuu</i>	8

RSCS Message Compiler Messages

The following messages may be issued when you use the MCOMP and MCONV execs to modify an RSCS conversion

<p>270T Extraneous parameters <i>parameters</i></p> <p>Explanation: You specified more command line parameters than were necessary.</p> <p>System Action: Terminate the message compiler with a return code of 24.</p> <p>Operator Action: Recompile and specify the proper number of parameters.</p>	<p>275T Error writing output file <i>filename filetype</i></p> <p>Explanation: The message compiler could not append a record to the file specified by <i>filename filetype</i>. This file could be the intermediate assembler file or the listing.</p> <p>System Action: Terminate the message compiler with a return code of 20.</p> <p>Operator Action: Give the message compiler more disk space to work with by defining a larger read/write A-disk or freeing up some space on your existing A-disk. Then, recompile.</p>
<p>271T Bad output filemode <i>mode</i></p> <p>Explanation: You specified the OUTMODE operand with an incorrect file mode.</p> <p>System Action: Terminate the message compiler with a return code of 24.</p> <p>Operator Action: Recompile and specify a valid file mode.</p>	<p>276S Bad charactername character <i>character</i></p> <p>Explanation: You tried to assign an incorrect character (<i>c</i>) to a special character (<i>charactername</i>) using the *CHAR statement. The *CHAR statement lets you change the special characters that RSCS assigns. This lets RSCS support different translation repositories.</p> <p>System Action: Ignore the assignment and continue compiling.</p> <p>Operator Action: Change the unusable character to a valid one and recompile.</p>
<p>272T Invalid option <i>option</i></p> <p>Explanation: You specified an incorrect option when entering the command.</p> <p>System Action: Terminate the message compiler with a return code of 24.</p> <p>Operator Action: Recompile and specify only valid options.</p>	<p>350W Extra information ignored</p> <p>Explanation: The message compile successfully parsed and compiled a statement, but more information was found on the line after the end of the statement. Either you ended the statement prematurely or you have extra information on the line that needs to be erased.</p> <p>System Action: Ignore the extra lexicals and continue compiling.</p> <p>Operator Action: Correct the statement and recompile.</p>
<p>273T Input file <i>filename filetype</i> not found</p> <p>Explanation: RSCS could not find the conversion or translation repository file you specified.</p> <p>System Action: Terminate the message compiler with a return code of 28.</p> <p>Operator Action: Make sure the file is on an accessed disk and make sure you spelled the file name and type correctly; recompile.</p>	<p>351E Assembly error rc=<i>nn</i></p> <p>Explanation: The assembler returned a nonzero return code. Some of the common reasons include:</p> <ul style="list-style-type: none"> • The assembler could not resolve certain references because a syntax error in the repository caused the assembler to abend compilation of that statement. • You referenced a nonexistent symbol. • You defined a symbol in a DSECT, but did not specify a global or local base. • You referenced a TOD or DICT entry in the range 1000 to 9999, but there was no TOD or DICT entry defined for that number. • You did not supply the assembler with enough disk space for the work files. <p>System Action: Keep the intermediate assembler (regardless of the KEEPASM/NOKEEPASM setting) and continue compiling.</p> <p>Operator Action: Make the appropriate changes based on the type of error and then recompile.</p> <ul style="list-style-type: none"> • Syntax Errors — Correct the error.
<p>274T Error updating <i>filename filetype</i></p> <p>Explanation: The CMS UPDATE command failed when RSCS tried to use it to update the conversion or translation repository file with the available control file, auxiliary control files, and updates. You will receive error messages from the UPDATE command explaining what went wrong.</p> <p>System Action: Terminate the message compiler with the return code from the UPDATE command.</p> <p>Operator Action: See the <i>VM/ESA: CMS Command Reference</i> for information about the UPDATE command; correct the problem and recompile.</p>	

- **Disk Space Shortage** — Allocate more read/write A-disk space (or free up existing space).
- **Unknown** — Use the assembler diagnostics to determine the cause of the problem. You may need to enter the following command:
hlasm *filename* (list:

Browse the listing to review the diagnostic messages and correct any problems.

352E Could not copy text to output

Explanation: A problem occurred while copying the text deck from the A-disk to the disk specified by OUTMODE. The CMS COPYFILE command gives a more precise reason for the problem.

System Action: Leave the text deck on the A-disk and continue compiling.

Operator Action: Manually copy the text deck onto the disk you want. In future compiles, make sure OUTMODE specifies an accessed, read/write disk with sufficient free disk storage.

353E Message ID omitted

Explanation: You placed a statement in the translation repository that does not begin with a message ID.

System Action: Ignore the statement and continue compiling.

Operator Action: Correct the statement and recompile.

354E Bad statement

Explanation: The compiler did not recognize a statement type.

System Action: Ignore the statement and continue compiling.

Operator Action: Correct the statement and recompile.

355S Compiler error: invalid string

Explanation: The compiler marked a statement as a valid message line (that is, one that began with a string), but the line parsing routine found that the first lexical was not a string.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Call IBM software support to get the compiler fixed.

356S Compiler error: bad substitution

Explanation: The compiler detected a valid substitution (that is, one that began with the string SUBCH), but the substitution handling routine found that the first lexical was not SUBCH.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Call IBM software support to get the compiler fixed.

357E Missing <

Explanation: The compiler found a header for a columnar message that did not begin with a less than sign (<).

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

358E Non-numeric field identifier

Explanation: The compiler found an occurrence of the character string \$(that was followed by a non-numeric field identifier.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

359E TOD ID must be in range 1000..9999

Explanation: A substitution specified a TOD reference with a number less than or greater than the necessary range.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

360E Missing >

Explanation: The compiler found a header, DICT definition, or TOD definition that began with a less than sign (<) but did not end with a greater than sign (>).

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

Hint: If the header, dictionary definition, or TOD definition appears to have an ending greater than sign, look for an error between the less than and greater than signs that may have caused the compiler to end prematurely.

361E Bad TOD substitution

Explanation: You specified TOD in a substitution, but the text following the TOD is neither a reference nor a literal TOD definition.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

362E Dictionary ID must be in range 1000..9999

Explanation: You specified a DICT in a substitution, but the DICT number was less than or greater than the necessary range.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

363E Bad dictionary substitution

Explanation: You specified a DICT in a substitution, but the text following the DICT is neither a reference nor a literal DICT definition.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

364E Bad substitution details

Explanation: You specified a field number followed by some text in a substitution, but the text is neither a DICT or a TOD substitution. In this situation, the only valid text is a right parenthesis “)”.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

365E Missing)

Explanation: The compiler found a substitution that did not end with a right parenthesis.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

366E Missing :

Explanation: MCOMP found a TABLE statement that did not begin with a colon (:).

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

367E Bad string

Explanation: The compiler found a block, DICT definition, or TOD definition that did not begin with a string.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

368E Null header text

Explanation: The compiler found a table display with a null column header.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

Hint: Look for a less than sign (<) immediately followed by a substitution or a substitution followed by another substitution.

369W High-level headings truncated to fit low-level ones

Explanation: The compiler found a multiple column heading that was wider than the sum of the widths of the individual headings plus the one blank character for each gap between columns. The multiple column heading cannot be wider than the sum of the individual column headings, so the multiple column heading is truncated.

System Action: Truncate column headings and continue compiling.

Operator Action: Correct the problem and recompile. Either widen the individual column headings or narrow the multiple column heading.

370E Missing field or subheader

Explanation: The compiler found a block in a table display with heading text that was not followed by either a subheader (beginning with a less than sign) or a substitution (beginning with a substitution character, usually a dollar sign).

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

371E Bad TOD definition

Explanation: The compiler found a TOD definition with a substitution character, but the text following the substitution character is not a valid substitution name (for example, FULLYEAR, MONTH, and so forth).

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

372E Dictionary has no text

Explanation: The compiler found a DICT definition that is syntactically correct, but contains a null dictionary term.

System Action: Ignore the statement and continue compiling.

Operator Action: Correct the problem and recompile.

Hint: Look for one of the following:

- A less than sign immediately followed by a backslash (< \)
 - Two sequential backslashes (\\)
 - A backslash immediately followed by a greater than sign (\>).
-

373S Invalid character name *charactername*

Explanation: The compiler found a *CHARS psuedo-comment with an incorrect character name. The character name should be SUBCH and so forth.

System Action: Ignore the statement and continue compiling.

Operator Action: Correct the problem and recompile.

374E Bad macro name

Explanation: The compiler found an INCLUDE statement that lists an incorrect macro name.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

375W No macro names

Explanation: The compiler found an INCLUDE statement that does not list any macro names.

System Action: Ignore the statement and continue compiling.

Operator Action: Before the next recompile, either delete this statement or add one or more macro names.

376E Bad copy name

Explanation: The compiler found a COPY statement that lists an unusable copy file name.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

377W No copy names

Explanation: The compiler found a COPY statement that does not list any copy file names.

System Action: Ignore the statement and continue compiling.

Operator Action: Before the next recompile, either delete this statement or add one or more copy file names.

378E Too many global bases: only 12 allowed

Explanation: The compiler found a BASE statement that lists too many global bases. The maximum number of global bases allowed on a BASE statement is 12.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Take the infrequently-used bases, make them local to the individual messages to which they reply, and recompile.

379E Bad base label

Explanation: The compiler found a BASE statement that lists an incorrect base label.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

380E No base names

Explanation: The compiler found a BASE statement that does not list any base labels.

System Action: Ignore the statement and continue compiling.

Operator Action: Before the next recompile, either delete this statement or add one or more base labels.

381E Duplicate message number

Explanation: The compiler found a message number that has already be defined.

System Action: Ignore the statement and continue compiling.

Operator Action: Before the next recompile, either delete this statement or change the message number to one not already being used.

382E Message number > 999

Explanation: The compiler found a message that specified a message number larger than 999.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

383E Bad routing code

Explanation: The compiler found a message that specified an unknown routing code. Valid routing codes are C, O, P, R, or V.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

384E Bad severity code

Explanation: The compiler found a message that specified a routing code of more than one character. Valid routing codes are C, O, P, R, or V.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

385E Bad parameter number

Explanation: The compiler found a message statement with a USING option, but the USING option was not followed by a valid parameter number.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

386E Too many local bases: only 4 allowed

Explanation: The compiler found a message statement that specified more than four BASE options. The maximum number of BASE options allowed on a message statement is 4.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

Note: The compiler restricts you to four local bases. If you need more than four, you will have to:

- Forego the symbolic references for one of the data areas,
 - Put the fields directly in the MSGBLOK, or
 - Turn one or more of the local bases into a global base.
-

387E Bad message statement or option

Explanation: The compiler found a message statement that either had an incorrect option or was missing the colon (:) between the options and the field specifications.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

388E Unrecognized message statement syntax

Explanation: The compiler found a message statement with a valid field, but the field was not followed by a comma or by the end of the statement.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

Hint: The problem may be either an incorrect separator between fields or an error in a field that caused parsing to end prematurely.

389E Missing or bad option information

Explanation: The compiler found the source, datatype, and output parts of an AL, ALH, ALZ, E, or S field, but you did not specify the extra information, which should begin with a colon (:).

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

390E Options not valid for type *type*

Explanation: The compiler found a valid field followed by a colon (:), although the field does not need any extra information.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

391E Non-numeric source length specification

Explanation: The compiler found a source statement — either for the basic datatype or as extra information in an AL, ALH, or ALZ field — with a explicitly specified length that was not numeric.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

392E Bad source specification

Explanation: The compiler found a source statement — either for the basic datatype or as extra information in an AL, ALH, or ALZ field — that does not begin with a number or symbol.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

393E Bad label or numeric offset

Explanation: The compiler found a source statement with an indirection chain that has an incorrect offset. Offsets can only be decimal numbers or symbols.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

394E Bad datatype

Explanation: The compiler found a field with an unsupported datatype.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

395E Non-numeric output length specification

Explanation: You specified an output length that was not numeric.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

396E Non-numeric dictionary length

Explanation: The compiler found an E datatype with extra information (the source length) that was not numeric.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

397S Compiler error: type options not found

Explanation: The compiler passed a datatype to the compiler, but the parser does not recognize the datatype. The compiler should not be passing unknown datatypes to the compiler.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Call IBM software support to get the compiler fixed.

398E Bad flag value

Explanation: The compiler found an S datatype with extra information consisting of incorrect mask-value pairs. Mask-value pairs must be decimal, hexadecimal, or symbolic numbers that may be separated by plus signs (+).

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

399E Missing (

Explanation: The compiler found a dollar sign (\$) indicating a substitution, but the left parenthesis that must follow the dollar sign is missing.

System Action: Ignore the rest of the statement and continue compiling.

Operator Action: Correct the problem and recompile.

RSCS Domain Name Server Messages

The following are new messages which have been added for the RSCS DNS support.

1000E Error reading ACHALVL DATA A file

Explanation: During initialization, the RSCS Domain Name Server was unable to read the file containing the RSU level.

System Action: Normal system operation continues. The RSU level will default to **0000**.

Operator Action: Verify the RSCSDNS 191 disk is the P684096K 403 minidisk and the ACHALVL DATA file exists on this disk.

1001E Invalid number of parameters

Explanation: The GETHOSTC MODULE was started with more than 2 input parameters.

System Action: Module initialization fails returning control to CMS with a -1 return code.

Operator Action: Start the GETHOSTC MODULE passing two or fewer parameters.

1002E IUCV error has occurred at time

Explanation: The RSCS Domain Name Server encountered an IUCV error at the indicated time.

System Action: The RSCS Domain Name Server will periodically attempt to reestablish communications with the TCP/IP server. During this time, the RSCS Domain Name server will be unavailable to handle name resolution on behalf of RSCS servers.

Operator Action: None.

1003E Error doing gets() call

Explanation: The RSCS Domain Name Server encountered an error attempting to read console input.

System Action: GETHOSTC MODULE processing is aborted; control is returned to CMS.

Operator Action: Restart the GETHOSTC MODULE. If the problem persists, contact IBM support.

1004E Invalid command *command*

Explanation: An invalid command was entered on the console of the RSCS Domain Name Server.

System Action: Normal system operation continues.

Operator Action: Enter a valid command which include Q (query), SHUTDOWN, or pressing the enter key without inputting any data.

1005E Get host by name for *host_name* failed

Explanation: A GetHostByName function call failed for the indicated host name.

System Action: Normal system operation continues.

Operator Action: Validate the following:

- The indicated host name is contained within one of the domain name servers defined in the TCPIP DATA file.
- The correct TCPIP DATA file is accessible to the RSCS Domain Name Server. For instance make sure an outdated level of the TCPIP DATA file does not exist on any disk prior to the TCPMAINT 592 minidisk.
- The correct domain name servers are defined within the TCPIP DATA file.
- The indicated host name is correct.

1010I RSCS Domain Name Server Version 3.2 - *rsu_level* initializing

Explanation: The GETHOSTC MODULE has been started causing the RSCS Domain Name Server initialization to start. The current RSU level is also displayed.

System Action: Normal system initialization continues.

Operator Action: None.

1011I RSCS Domain Name Server initialized

Explanation: The RSCS Domain Name Server has completed initialization and is currently waiting for connect requests from an RSCS server.

System Action: Normal system operation continues.

Operator Action: None.

1012I RSCS Domain Name Server has terminated

Explanation: The RSCS Domain Name Server is either terminating due to a SHUTDOWN command or an error.

System Action: Control is returned to CMS. A -1 return code is passed back to CMS if terminating due to a SHUTDOWN command.

Operator Action: Restart the GETHOSTC MODULE if applicable. If the RSCS Domain Name Server has terminated due to an error, contact IBM support.

1013I Listening on port number *port*

Explanation: The RSCS Domain Name server will be waiting for connect requests on the indicated port number.

System Action: Normal system operation continues.

Operator Action: Validate the same port number is defined to an RSCS LPR-, TCPNJE-, TCPASCII-, or UFT-type link on the **DNSPort** parameter.

1015I RSCS Domain Name Server Version 3.2 - *rsu_level*

Explanation: The RSCS Domain Name Server displays this message containing the current RSU level, in response to a Q (query) command or pressing enter without inputting any data.

System Action: Normal system operation continues.

Operator Action: If this is not the correct RSU level, make sure the ACHALVL DATA files is current from the latest RSU tape on the P684096K 403 minidisk.

1016I Error reading ACHALVL DATA A file

Explanation: During initialization, the RSCS Domain Name Server was unable to read the file containing the RSU level.

System Action: Normal system operation continues. The RSU level will default to **0000**.

Operator Action: Verify the RSCSDNS 191 disk is the P684096K 403 minidisk and the ACHALVL DATA file exists on this disk.

1018I Requested host name *host_name* has address *address*

Explanation: The RSCS Domain Name Server received a request from an RSCS server for the indicated host name. A GetHostByName call successfully returned the indicated IP address.

System Action: Normal system operation continues.

Operator Action: None.

1019I Connect from address *address*, PORT *port* on *time*

Explanation: The RSCS Domain Name server was connected to by an RSCS server at the indicated address and port number. The current time is also displayed.

System Action: Normal system operation continues.

Operator Action: None.

1020I Will retry setting up environment in 1 minute

Explanation: The RSCS Domain Name Server has encountered a recoverable TCP/IP error and will periodically attempt to reinitialize communications with the TCP/IP server.

System Action: Periodic attempts to reestablish communications to the TCP/IP server will continue until successful, or the RSCS Domain Name Server is reIPLed.

Operator Action: The only way to break out of this timed loop is to issue **#CP IPL** on the console.

1021I Socket closed while reading host name

Explanation: The socket being used between an RSCS server and the RSCS Domain Name Server was closed while attempting to read the host name.

System Action: Normal system operation continues.

Operator Action: If the problem persists, contact IBM support.

Abend Codes

This section explains the GCS and RSCS Abend codes.

GCS Abend Codes

In certain situations, it is possible that RSCS will abend with a system (GCS) ABEND of 80A or 878. These abends are the result of an unconditional GETMAIN failure because of insufficient storage. When RSCS detects a conditional GETMAIN failure, it will attempt to issue a message indicating why and where the failure occurred. However, the process of issuing a message requires an unconditional GETMAIN to be done. If this fails (because of the severe lack of storage), an ABEND 80A or 878 will occur and no message will be issued to explain the reason for the failure.

If this failure occurs at initialization time, the likely causes are too many LINK, ROUTE, PORT, LINKDEFINE statements or authorized operators defined for the virtual machine size that RSCS is running in. If it occurs after RSCS has successfully initialized, it could be caused by too many links active or too many reroutes in effect for the virtual machine size. To correct this problem, redefine the virtual machine size for the RSCS machine to have more storage available.

Also, if you attempt to initialize RSCS on an earlier level of VM (for example, VM/SP Release 6), abend 778 will occur. RSCS 3.2 must be installed on a VM/ESA Version 1 Release 2.1 (or later) system.

RSCS Abend Codes

The following user (RSCS) abend codes can occur during normal RSCS operation. When RSCS detects a programming error within its own code or in a user-written exit routine, the affected module causes an abnormal end of itself. This is to protect the integrity of both RSCS and the data being transmitted or received and also to cause a dump to be taken to document the problem.

001

Explanation: A single compressed record will not fit into a transmission buffer.

System Action: The affected link will be abnormally terminated. Message 080E will follow, indicating the link that failed.

Operator Action: Attempt to restart the connection. If the problem persists, notify local RSCS support personnel and support personnel at the remote system.

002

Explanation: An unexpected return code has been returned from the Decompression subroutine (that is, an SNA return code returned for a non-SNA link).

System Action: The affected link will be abnormally terminated. Message 080E will follow, indicating the link that failed.

Operator Action: Attempt to restart the connection. If the problem persists, notify local RSCS support personnel and support personnel at the remote system.

003

Explanation: The chain of buffers in the Small Buffer Pool has been exhausted.

System Action: The affected link will be abnormally terminated. Message 080E will follow, indicating the link that failed.

Operator Action: Attempt to restart the connection. If the problem persists, notify local RSCS support personnel and support personnel at the remote system.

004

Explanation: The output device chain is empty while processing an active received file.

System Action: The affected link will be abnormally terminated. Message 080E will follow, indicating the link that failed.

Operator Action: Attempt to restart the connection. If the problem persists, notify local RSCS support personnel and support personnel at the remote system.

005

Explanation: The stream control block chain is empty while at least one file is being transmitted.

System Action: The affected link will be abnormally terminated. Message 080E will follow, indicating the link that failed.

Operator Action: Attempt to restart the connection. If the problem persists, notify local RSCS support personnel and support personnel at the remote system.

006

Explanation: The link driver task attempted to open an input file for transmission, but the controlling Transmission Algorithm has determined that all streams are already active.

System Action: The affected link will be abnormally terminated. Message 080E will follow, indicating the link that failed.

Operator Action: Attempt to restart the connection. If the problem persists, notify local RSCS support personnel and support personnel at the remote system.

007

Explanation: A Job Header, Data Set Header, or Job Trailer creation exit routine (exits 11, 12, or 13) has returned a header or trailer section with an identifier of other than B'11xxxxx' or with a User Section with an identifier and modifier equal to an already present User Section.

System Action: The affected link will be abnormally terminated. Message 080E will follow, indicating the link that failed.

Operator Action: A programming error was made in the exit routine. Notify local RSCS support personnel.

008

Explanation: A Job Header, Data Set Header, or Job Trailer creation exit routine (exits 11, 12, or 13) has returned a header or trailer section that causes the total header or trailer length to exceed 32764, or has returned a header or trailer section with a length of 1, 2, or 3. Each of these is a violation of the Network Job Entry protocol.

System Action: The affected link will be abnormally terminated. Message 080E will follow, indicating the link that failed.

Operator Action: A change in an exit routine must be made so that the length of the header or trailer is valid. Notify local RSCS support personnel.

009

Explanation: A Job Header, Data Set Header, or Job Trailer creation exit routine (exits 11, 12, or 13) has shown that a user section is to be added to the header or trailer (return code 8 or 12), but no user section is returned by the exit (R0, R1, or both are 0).

System Action: The affected link will be abnormally terminated. Message 080E will follow, indicating the link that failed.

Operator Action: A change in an exit routine must be made so that when the return code specifies a user section is returned, R0 and R1 are correctly set. Notify local RSCS support personnel.

00A

Explanation: RSCS detected a programming error in module DMTAXM with the Secure Origin ID Support (diagnose XX'F8'). One of the following conditions will cause this abend:

- RSCS attempted to associate spool file origination with a device that does not exist.
- RSCS attempted to associate spool file origination with a device that is not an output unit record device.

System Action: Message 502E will be issued before the link is abnormally terminated. Message 080 will follow, indicating the link that failed.

Operator Action: Notify the system support personnel.

00C

Explanation: RSCS was unable to obtain a free tag shadow element although storage is available.

System Action: The spool manager system task will be abnormally terminated. Message 090 and either message 091 or 092 will follow. RSCS will be deactivated.

Operator Action: Notify the system support personnel.

00D

Explanation: The RSCS resource manager (DMTRES) attempted to unlock a resource but could not locate the resource block in the queue.

System Action: If the abending task is a system task, message 090 and either message 091 or 092 will follow. If the abending task is a line or session driver task, message 080 will follow.

Operator Action: Notify the system support personnel.

00E

Explanation: The RSCS virtual machine ran out of TAG slots during file accept processing. RSCS cannot continue processing without compromising the integrity of the spool files.

System Action: The spool manager system task will be abnormally terminated. Message 090 and either message 091 or 092 will follow. RSCS will be deactivated.

Operator Action: Notify the system support personnel.

00F

Explanation: RSCS attempted to deallocate (free) a TAG slot that was already deallocated (free).

System Action: The spool manager system task will be abnormally terminated. Message 090 and either message 091 or 092 will follow. RSCS will be deactivated.

Operator Action: Notify the system support personnel.

010

Explanation: A link driver has attempted to initiate I/O to a device while I/O was already active on that device.

System Action: The affected link will be abnormally terminated. Message 080E will follow, indicating the link that failed.

Operator Action: Attempt to restart the connection. If the problem persists, notify local RSCS support personnel.

011

Explanation: During a call to the COMMAND, CONTROL, INIT, MSG, RECORD, RESET or TAG routine interface in an ASCII, LPD, LPR, TCPASCII, UFT, or UFTD line driver, the data count field in the print record vector was found to be negative or greater than 1282 bytes on return from an exit.

System Action: The affected link will be abnormally terminated. Message 080E will follow, indicating the link that failed.

Operator Action: A change in an exit routine must be made so that the data count field in the print record vector is valid. Notify local RSCS support personnel.

012

Explanation: During the attention interrupt processing routine in an ASCII or TCPASCII line driver, it was found that a command was passed to RSCS from an exit, but the command length was either negative or greater than 80 bytes.

System Action: The affected link will be abnormally terminated. Message 080E will follow, indicating the link that failed.

Operator Action: A change in an exit routine must be made so that the data count field in the print record vector is valid. Notify local RSCS support personnel.

013

Explanation: RSCS was unable to obtain a TAG shadow element while placing a file in a link queue.

System Action: The spool manager task will be abnormally terminated. Message 090 and either message 091 or 092 will follow. RSCS will be deactivated.

Operator Action: Notify local RSCS support personnel.

014

Explanation: The RSCS SNA control task was unable to locate an ECB for a corresponding RPL that is available for use in SIMLOGON processing.

System Action: RSCS cannot issue the SIMLOGON request to VTAM without the ECB. The SNA control task will abnormally terminate with this programming error. Message 090 will follow.

Operator Action: Notify local RSCS support personnel.

015

Explanation: While running in TAG shadow degradation mode, RSCS attempted to give a TAG shadow element to a needy file to queue that file on a link but was unable to obtain a tag shadow element.

System Action: The spool manager system task will be abnormally terminated. Message 090 and either message 091 or 092 will follow. RSCS will be deactivated.

Operator Action: Notify local RSCS support personnel.

016

Explanation: During normal file processing in DMTAXM, RSCS received a bad return code from a CP TAG command. Since RSCS cannot issue the TAG command, normal file processing cannot continue. This error probably occurred because RACF was not functioning.

System Action: The RSCS virtual machine will be abnormally terminated. Message 122E will precede the abend, indicating what file was being processed at the time of the error.

Operator Action: Verify that RACF is operating correctly, and then IPL RSCS. If the problem persists, notify local RSCS support personnel.

1xx

Explanation: An exit routine has returned to RSCS with a value in register 15 that exceeds the MAXRC= operand of the EXITCALL macro that defines the associated exit point, or the return code was not a multiple of four. **xx** is the exit ID code in hexadecimal.

System Action: The affected task will be abnormally terminated. Message 080E or 090T will follow, indicating the task that failed.

Operator Action: A change in an exit routine must be made so that the value returned in register 15 is valid. Notify local RSCS support personnel.

Creating Columnar Messages

This section contains three tables to help you issue the QUERY command that best fits your needs. The first table (starting on page 107) lists the commands that generate columnar messages. Once you've found the appropriate QUERY command, you can use this table to decide what SHOW options you should specify to get the information you need.

The second table (starting on page 112) lists the composite SHOW options for each QUERY command and the columns RSCS displays. The information in this table helps you locate a composite SHOW option that meets your needs.

The third table (starting on page 118) lists the maximum width of each column header and the maximum width of the information appearing beneath that header. If a columnar message is too wide, it will wrap to the next line of your screen and make the message difficult to read. The maximum width of a columnar message before it wraps varies. If your local system specified the MSGNOH statement in the RSCS configuration file, local messages can be up to 78 characters wide and remote messages can be up to 63 characters wide. If you want to generate a columnar message that does not wrap to the next line, you can use the information in this table to decide how many SHOW options to specify.

For more information about the QUERY command, see the *VM/RSCS: Operation and Use* book. For more information about the language-independent form of the QUERY

command, see "Understanding Language-Independent Messages" on page 125.

Commands that Generate Columnar Messages

Table 3 identifies the following information:

- Message number of the columnar message
- Commands that generate the message
- Position of the column in the message
- Column headers (before RSCS groups similar word combinations)
- QUERY SHOW option that generates the column, if applicable.

Before using Table 3, you should know the type of information you want (files, links, groups, and so forth). Find the appropriate command in the second column. Next, use the fourth column (**Column Header**) to specify which columns of information you want. And finally, use the fifth column (**QUERY SHOW Option**) to tell RSCS what columns you want. (The table lists the SHOW options with the minimum abbreviation in capital letters).

Example: If you want to see a list of files, including file name, file type, class, and priority, you would look in column two for the QUERY FILES command. Next, you would look in column four for *Name, Type, Class, and Priority*. And finally, you would look in column five for the associated QUERY SHOW options (FN, FT, CLass, and PRiority).

Table 3 (Page 1 of 5). RSCS Commands that Generate Columnar Messages

Message Number	Commands	Column Position	Column Header	QUERY SHOW Option
DMT696I	EXIT Query System EXits	1	Exit Number	NUMBer
		2	EP Name	NAME
		3	EP Address	ADDRess
		4	Status	STatus
		5	Base Address	BASE

Columnar Messages

Table 3 (Page 2 of 5). RSCS Commands that Generate Columnar Messages

Message Number	Commands	Column Position	Column Header	QUERY SHOW Option
DMT659I	Query Files	1	Pos in Q	POSInq
	Query linkid Active	2	Loc ID	ID, SPID
	Query linkid Queues	3	Orig ID	ORIGID, OSPid
	Query Queues	4	Origin Node	FROMNode
		5	Origin Userid	FROMUser
		6	Orig Qual	FROMQual
		7	Origin Time	OTime
		8	Name	FILENAME, FN
		9	Type	FILEType, FT
		10	Dest Node	TONode
		11	Dest Userid	TOUser
		12	Class	CLass
		13	Priority	PRiority
		14	Link Queue	LINK
		15	Previous Node	PREVNode
		16	Records Done	RECSDone
		17	Records	RECORDs
		18	Blocks Done	BLOCKSDone
		19	Blocks	BLOCKs
		20	Dataset Name	DSName
		21	Dist Code	DIST
		22	PSF DEST	DEST
		23	User Form	FOrM
		24	Operator Form	OFOrm
		25	Copies	COpies, COpy
		26	Flash Name	FLash
		27	Flash Count	COUNT
		28	Modify	MODify
		29	FCB Name	FCB
		30	Char 0	CHAR0
		31	Char 1	CHAR1
		32	Char 2	CHAR2
		33	Char 3	CHAR3
		34	Hold	HOLD
		35	Looping	LOOPing
		36	Rerouted	RERouted
		37	Store and Forward	SANDFwd
		38	Ordered	ORDered
		39	Accept Msg	ACcmSg
		40	Enqueue Msg	ENQmsg
		41	Sent Msg	SEntmsg
		42	Final Msg	FINAlmsg
		43	Device Type	DEVice
		44	Status	STatus
		45	Preferred Link	PREFlink
		46	Override Location	OVerridenode
		47	Base Address	BASE
		48	Job ID	Jobid
DMT635I	Query GRoup <i>groupid</i>	1	Group Name	—
	Query GRoup <i>groupid</i> Links	2-6	Primary Links	—
	Query System GRoups	7	Alternate Link	—
	Query System GRoups DISPlay Links			
DMT631I	Query GRoup <i>groupid</i> Files	1	Group Name	—
	Query System GRoups DISPlay Files	2	Sending	—
		3	Receiving	—
		4	Queued	—
		5	Looping	—
		6	Held	—
DMT641I	Query GRoup <i>groupid</i> GRoups	1	Group Name	—
		2-7	Subordinate Groups	—

Table 3 (Page 3 of 5). RSCS Commands that Generate Columnar Messages

Message Number	Commands	Column Position	Column Header	QUERY SHOW Option
DMT639I	Query GRoup <i>groupid</i> Nodes	1	Group Name	—
		2-7	Nodes in the Group	—
DMT632I	Query GRoup <i>groupid</i> Parentgroup	1	Group Name	—
	Query GRoup <i>groupid</i> Rootgroup	2	Parent Group	—
	Query System GRoups DISPlay Parentgroup	3	Root Group	—
	Query System GRoups DISPlay Rootgroup			
DMT677I	Query <i>linkid</i>	1	Link Name	ID, NAME
	Query LINKs	2	Status	STatus
	Query System	3	Type	TYPE
	Query System Active	4	Line Addr	LINE
	Query System Links	5	LU Name	LUName
	Query System Queues	6	Logmode	LOGmode
		7	Class	CLass
		8	Queueing	QType
		9	Dispatch Priority	DP
		10	Auto Start	ASTart
		11	Default Type	DEFTYPE
		12	Def Line	DEFLINE
		13	Default LU Name	DEFLUName
		14	Default Logmode	DEFLOGmode
		15	Def Class	DEFCLass
		16	Default Queueing	DEFQType
		17	Default Dispatch Priority	DEFDP
		18	Hold	HOLD
		19	Trace	TRAcE
		20	Drain	DRain
		21	Form Control	MOde
		22	Retry Opt	RETRYOption
		23	Retries Done	RETRIEDone
		24	Retry Time Left	RETRYINterval
		25	Base Address	BASE
		26	Sending	SENDing
		27	Receiving	RECEiving
		28	Queued	Queued
		29	Looping	LOOPing
		30	Held	HELD
		31	I/O Count	TSIO
		32	I/O Errors	ERRors
		33	Timeouts	TIMEOuts
		34	Current Form	FOrm
		35	Node Name	NODE
		36	Fanout Link	FANout
		37	Parm Text	PARM
		38	Full Parm Text	PARMFull
		39	Default Parm Text	DEFPARM
		40	Full Default Parm Text	DEFPARMFull
		41	Override Parm Text	OPARM
		42	Full Override Parm Text	OPARMFull
		43	User Parm Text	UPARM
		44	Full User Parm Text	UPARMFull
		45	Slowdown Mode	SLOWMOde
		46	Slowdown Delta	SLOWDElta
		47	Slowdown Start	SLOWSTArt
		48	Slowdown Stop	SLOWSTOp
		49	Buffer Size	BUFFersize
		50	FCB Name	FCBName
		51	FCB Mode	FCBMode

Columnar Messages

Table 3 (Page 4 of 5). RSCS Commands that Generate Columnar Messages

Message Number	Commands	Column Position	Column Header	QUERY SHOW Option
DMT636I	Query <i>nodeid</i>	1	Node Name	—
	Query NODE <i>nodeid</i>	2-6	Primary Links	—
	Query NODE <i>nodeid</i> Links	7	Alternate Link	—
	Query System NODEs	8-12	Nodes Routed Through Primary Links	—
	Query System NODEs DISPlay Links	13	Through Alternate	—
DMT630I	Query NODE <i>nodeid</i> Parentgroup	1	Node Name	—
	Query NODE <i>nodeid</i> Rootgroup	2	Parent Group	—
	Query System NODEs DISPlay Parentgroup	3	Root Group	—
	Query System NODEs DISPlay Rootgroup			
DMT678I	Query System Counts	1	Link Name	LINK
		2	Link Status	STatus
		3	Since Date Time	SINCE
		4	File KBytes Received	FILEINKbytes
		5	File KBytes Sent	FILEOUTKbytes
		6	Files Received	FILEIn
		7	Files Sent	FILEOut
		8	Message KBytes Received	MSGINKbytes
		9	Message KBytes Sent	MSGOUTKbytes
		10	Messages Received	MSGIn
		11	Messages Sent	MSGOut
		12	Spool I/O Reads	SPReads
		13	Spool I/O Writes	SPWrites
		14	RPL RC	RPLRc
		15	RPL Sense	RPLSense
		16	RPL USense	RPLUSense
		17	RPL R15	RPLR15
		18	RPL R0	RPLR0
		19	VTAM Request Code	VTAMRequest
		20	Files Sent Stream 1	STREAM1
		21	Files Sent Stream 2	STREAM2
		22	Files Sent Stream 3	STREAM3
		23	Files Sent Stream 4	STREAM4
		24	Files Sent Stream 5	STREAM5
		25	Files Sent Stream 6	STREAM6
		26	Files Sent Stream 7	STREAM7
		27	Files Sent Stream 8 to 32	STREAM8to32
		28	Average Spool Write Microsecs	SPWRITETime
		29	Average Spool Read Microsecs	SPREADTime
		30	Average Line I/O Microsecs	LINEIOTime
		31	I/O Count	IO
		32	I/O Errors	IOERRors
		33	Timeouts	TIMEOuts
		34	Base Address	BASE
DMT687I	Query System Dest	1	PSF Destination	NAME
		2	Base Address	BASE
DMT444I	Query System ITRace LINK <i>linkid</i>	1	Link Name	—
		2-17	Trace Record Numbers	—
		18	Trace Type	—
		19	Record Number	—
		20	Status	—
DMT445I	Query System ITRace Port <i>ccuu</i>	1	Port Addr	—
		2-17	Trace Record Numbers	—
		18	Trace Type	—
		19	Record Number	—
		20	Status	—

Table 3 (Page 5 of 5). RSCS Commands that Generate Columnar Messages

Message Number	Commands	Column Position	Column Header	QUERY SHOW Option
DMT446I	Query System ITRace Systemtask <i>task</i>	1	System Task	—
		2-17	Trace Record Numbers	—
		18	Trace Type	—
		19	Record Number	—
		20	Status	—
DMT626I	Query System Ports	1	Port Address	LINE
		2	State	STatus
		3	Auto Dial	Dial
		4	Trace	TRace
		5	Link	LINK
		6	Base Address	BASE
DMT667I	Query System RERoutes	1	For Node	FORNode
		2	For User	FORUser
		3	Type	TYPE
		4	To Node	TONode
		5	To User	TOUser
		6	Quiet	Quiet
		7	Base Address	BASE
DMT642I	Query System SCHEDULE	1	Date	DATE
		2	Time	TIME
		3	Days	DAYs
		4	Low Range	Range
		5	High Range	Range
		6	Type	TYPE
		7	Status	STatus
		8	Task ID	TASKid
		9	Task Name	TASKName
		10	Base Address	BASE
		11	Command Text	Command
		12	Full Command Text	FULLCommand
DMT618I	Query System SET	1	Dest Node	—
		2	Dest User	—
		3	Messages For Link	—
DMT623I	Query System SETMsg Query System SETMsg DISPLAY ALL	1	Dest Node	—
		2	Dest User	—
		3-12	Subscribed to Messages	—
DMT622I	Query System SETMsg DISPLAY <i>nnn</i>	1	Dest Node	—
		2	Dest User	—
		3	Message Number	—
		4	Status	—

Composite SHOW Options

Table 4 on page 112 identifies the following information:

- Commands that generate the columnar message
- Composite QUERY SHOW options for that command
- Column number
- Column header (before RSCS groups similar word combinations).

Use Table 4 on page 112 when you want to see if RSCS has created a composite QUERY SHOW option that meets your needs. You should know the type of information you want (files, links, groups, and so forth). Find the appropriate command in the first column (**Commands**). Next, use the fourth column to find the headings that match the information

you want. If you find a group of headings that matches (or comes close to matching) your needs, use the option in the second column (**Composite QUERY SHOW Option**) when issuing your command.

Remember: You can change a composite SHOW option by specifying that option followed by a plus or minus sign and the SHOW option you want to add to or delete from the list.

Example: The example on page 107 explains how to use Table 3 on page 107 to find the appropriate SHOW options for columns that give you information about a file's name, type, class, and priority. You could specify these four SHOW options on the QUERY command, or you could use Table 4 on page 112 to find one composite SHOW option that contains all (or most) of these options.

Columnar Messages

First, you would look in column one for the QUERY FILES command. Next, you would look in column four to find the headers of your options. Column two tells you the name of the composite SHOW option. There is no composite SHOW option that gives you exactly what you want, but two of them come close: FILEInfo and Vm. You could enter one of these two composite SHOW options and receive more information

than you need. Or, you could enter one of the following composite SHOW options that subtracts the extraneous information:

```
query files show fileinfo - dist
query files show vm - id - origid - dist - dest -
    form - oform
```

Table 4 (Page 1 of 6). Composite SHOW Options

Commands	Composite QUERY SHOW Option	Column Position	Column Header
Query Files	DESTInfo	10	Dest Node
		11	Dest Userid
FILEInfo		8	Name
		9	Type
		12	Class
		13	Priority
		21	Dist Code
FULL		2	Loc ID
		3	Orig ID
		4	Origin Node
		5	Origin Userid
		10	Dest Node
		11	Dest Userid
MSGInfo		44	Status
		39	Accept Msg
		40	Queue Msg
		41	Sent Msg
ORIGInfo		42	Final Msg
		3	Orig ID
		4	Origin Node
		5	Origin Userid
		6	Orig Qual
		7	Origin Time

Table 4 (Page 2 of 6). Composite SHOW Options

Commands	Composite QUERY SHOW Option	Column Position	Column Header
Query Files (continued)	PROGress	2	Loc ID
		3	Orig ID
		10	Dest Node
		11	Dest Userid
		16	Records Done
		17	Records
		44	Status
	PROGRESSBlocks	2	Loc ID
		3	Orig ID
		10	Dest Node
		11	Dest Userid
		18	Blocks Done
		19	Blocks
		44	Status
	PRTInfo	23	User Form
		24	Operator Form
		25	Copies
		29	FCB Name
		43	Device Type
	QInfo	2	Loc ID
44		Status	
Rscs	2	Loc ID	
	3	Orig ID	
	4	Origin Node	
	5	Origin Userid	
	7	Origin Time	
	10	Dest Node	
	11	Dest Userid	
STATInfo	34	Hold	
	35	Looping	
	36	Rerouted	
	37	Store and Forward	
	38	Ordered	
TOInfo	3	Orig ID	
	7	Origin Time	
	8	Name	
	9	Type	
	10	Dest Node	
	11	Dest Userid	
Vm	2	Loc ID	
	8	Name	
	9	Type	
	12	Class	
	21	Dist Code	
	22	PSF DEST	
	23	User Form	
	24	Operator Form	
Query Files (continued)	3800Info	26	Flash Name
		27	Flash Count
		28	Modify
		30	Char 0
		31	Char 1
		32	Char 2
		33	Char 3

Columnar Messages

Table 4 (Page 3 of 6). Composite SHOW Options

Commands	Composite QUERY SHOW Option	Column Position	Column Header
Query LINKs Query System Links	ACTive	1	Link Name
		2	Status
		3	Type
		4	Line Addr
		5	LU Name
		6	Logmode
		7	Class
		8	Queueing
		9	Dispatch Priority
COUNTs		1	Link Name
		2	Status
		26	Sending
		27	Receiving
		28	Queued
		29	Looping
DEFault		30	Held
		1	Link Name
		11	Default Type
		12	Def Line
		13	Default LU Name
		14	Default Logmode
		15	Def Class
16	Default Queueing		
17	Default Dispatch Priority		
FCBInfo		1	Link Name
		50	FCB Name
		51	FCB Mode
FULL		1	Link Name
		2	Status
		3	Type
		4	Line Addr
		5	LU Name
		6	Logmode
		8	Queueing
		RETRYInfo	
2	Status		
22	Retry Option		
23	Retries Done		
24	Retry Time Left		
SLOWdown		1	Link Name
		45	Slowdown Mode
		46	Slowdown Delta
		47	Slowdown Start
		48	Slowdown Stop

Table 4 (Page 4 of 6). Composite SHOW Options

Commands	Composite QUERY SHOW Option	Column Position	Column Header
Query Queues	DESTInfo	10	Dest Node
		11	Dest Userid
	FILEInfo	8	Name
		9	Type
		12	Class
		13	Priority
		21	Dist Code
	FULL	1	Pos in Q
		2	Loc ID
		4	Origin Node
		5	Origin Userid
		10	Dest Node
		11	Dest Userid
		44	Link Queue Status
	MSGInfo	39	Accept Msg
		40	Enqueue Msg
		41	Sent Msg
		42	Final Msg
	ORIGInfo	3	Orig ID
		4	Origin Node
		5	Origin Userid
		6	Orig Qual
		7	Origin Time
	PROGress	2	Loc ID
		3	Orig ID
		10	Dest Node
		11	Dest Userid
16		Records Done	
44		Records Status	
PROGRESSBlocks	2	Loc ID	
	3	Orig ID	
	10	Dest Node	
	11	Dest Userid	
	18	Blocks Done	
	44	Blocks Status	
PRTInfo	23	User Form	
	24	Operator Form	
	25	Copies	
	29	FCB Name	
	43	Device Type	
QInfo	1	Pos in Q	
	2	Loc ID	
	14	Link Queue	
	44	Status	

Columnar Messages

Table 4 (Page 5 of 6). Composite SHOW Options

Commands	Composite QUERY SHOW Option	Column Position	Column Header	
Query Queues (continued)	Rscs	2	Loc ID	
		3	Orig ID	
		4	Origin Node	
		5	Origin Userid	
		7	Origin Time	
		10	Dest Node	
		11	Dest Userid	
		STATInfo	34	Hold
			35	Looping
			36	Rerouted
			37	Store and Forward
			38	Ordered
		TOInfo	3	Orig ID
			7	Origin Time
			8	Name
			9	Type
			10	Dest Node
			11	Dest Userid
		Vm	2	Loc ID
			8	Name
			9	Type
			12	Class
			21	Dist Code
			22	PSF DEST
			23	User Form
			24	Operator Form
		3800Info	26	Flash Name
			27	Flash Count
			28	Modify
			30	Char 0
			31	Char 1
			32	Char 2
			33	Char 3
Query System Counts	Kbytes	1	Link Name	
		4	File KBytes Received	
		5	File KBytes Sent	
		8	Message KBytes Received	
		9	Message KBytes Sent	
		FULL	1	Link Name
			6	Files Received
			7	Files Sent
			10	Messages Received
			11	Messages Sent
			12	Spool I/O Reads
			13	Spool I/O Writes
		IOTime	1	Link Name
			28	Average Spool Write Microsecs
			29	Average Spool Read Microsecs
		30	Average Line I/O Microsecs	

Table 4 (Page 6 of 6). Composite SHOW Options

Commands	Composite QUERY SHOW Option	Column Position	Column Header	
Query System Counts (continued)	SNAInfo	1	Link Name	
		14	RPL RC	
		15	RPL Sense	
		16	RPL USense	
		17	RPL R15	
		18	RPL R0	
		19	VTAM Request Code	
		STREAMS	1	Link Name
			20	Files Sent Stream 1
	21		Files Sent Stream 2	
	22		Files Sent Stream 3	
	23		Files Sent Stream 4	
	24		Files Sent Stream 5	
	25		Files Sent Stream 6	
	26		Files Sent Stream 7	
	SUMmary	1	Link Name	
		31	I/O Count	
		32	I/O Errors	
		33	Timeouts	
	Query System Dest	FULL	1	PSF Destination
	Query System EXits	FULL	1	Exit Number
			2	EP Name
			3	EP Address
			4	Status
	Query System Ports	FULL	1	Port Address
			2	State
3			Auto Dial	
4			Trace	
5			Link	
Query System RERoutes	FOR	1	For Node	
		2	For User	
	FULL	1	For Node	
		2	For User	
		3	Type	
		4	To Node	
		5	To User	
		6	Quiet	
	TO	4	To Node	
		5	To User	
	Query System SCHEDULE	FULL	2	Time
			4	Low Range
5			High Range	
7			Status	
8			Task ID	
11			Command Text	

Column Widths

Most terminals are 80 characters wide. RSCS cannot use all 80 characters to display a message because your VM system inserts the source user ID (and node ID, if the message is from a remote system) before the text of the message. This means that RSCS can only use 63 of the 80 characters to display a columnar message before the message text wraps to the next line. RSCS supports columnar messages to make information easier for you to

read. If your columnar message wraps onto the next line, it will be difficult to read.

Table 5 on page 118 lists the maximum widths of individual columns. Use Table 5 on page 118 to calculate the length of a columnar message or to decide how to shorten a columnar message that wraps. Table 5 on page 118 identifies the:

- Column header
- Message number of the columnar message
- Column number within the columnar message

Columnar Messages

- Maximum width of the column header
- Maximum width of the column information.

Before using Table 5, you should know the column header (or headers) you want to specify. If you do not know the column header, you can either:

- Use Table 3 on page 107 to find the exact column header, or
- Scan the list in column one until you find the right column header.

The first column of Table 5 (**Column Header**) lists all the column headers in alphabetical order. When you've found the appropriate header in column one, look at the numbers in column two (**Maximum Width of Header**) and column three (**Maximum Width of Information**). Most of the numbers in columns two and three are the same. When they differ, use the larger number as the maximum width.

Note: Several messages use the same column headers. If you need a number for a column header that is used by more than one message, use column five (**Message Number**) to find the appropriate message number.

When calculating the length of a columnar message, be aware that RSCS separates each column with one space. To calculate the length of the message, add all the maximum widths together and add one space for each column except the last one. The result is the maximum length of the message. (If one or more of your columns is shorter than the maximum width listed in Table 5, the actual message will be shorter than the total you calculated.)

Example: The examples on page 107 and 111 explain how to use the tables to find the appropriate SHOW options to display information about a file's name, type, class, and priority. Instead of specifying each column, suppose you use the VM composite SHOW option:

```
query files show vm
```

This message is longer than 63 characters causing the last two columns (User Form and Operator Form) to wrap onto the next line. If you do not want the message to wrap, you must subtract some of the columns from the composite SHOW option. There are two methods you can use to subtract columns:

1. **Trial and Error** — Using this method, you would guess which columns you want to subtract, enter the command, and see if it still wraps. If it does still wrap, you will have to try again.
2. **Calculation** — Using this method, you would use Table 3 on page 107 to calculate how many characters wrap onto the next line. Then, you would use Table 5 to calculate how many columns you need to subtract. The rest of this example uses the calculation method.

You know the message wraps for the last two columns. Use Table 5 to find *User Form* and *Operator Form* in the first column. By looking in columns two and three, you discover the maximum width for each of these columns is eight characters. Because there are two columns, you must add an extra character for the space between the two columns. You should also add an extra character for the space before the *User Form* column, because it was hard to tell from the wrapping message whether this space wrapped onto the second line. Adding the column widths and the extra spaces together, you know that you need to subtract 18 characters worth of columns.

Suppose you do not want to see the origin spool ID, the distribution code, or the PSF destination. Find the column headers in column one. The maximum width for Orig ID is four; Dist Code, eight; PSF DEST, eight. Adding them together, you calculate that subtracting these three columns shortens the message by at least 22 characters, which will solve the problem of the wrapping message. You can then enter:

```
query files show vm - origid - dist - dest
```

Table 5 (Page 1 of 6). Maximum Column Widths for QUERY SHOW Options

Column Header	Maximum Width of Header	Maximum Width of Information	Column Position	Message Number
Accept Msg	6	3	39	DMT659I
Alternate Link	9	8	7	DMT635I
	9	8	7	DMT636I
Auto Dial	4	3	3	DMT626I
Auto Start	5	3	10	DMT677I
Average Line I/O Microsecs	11	6	30	DMT678I
Average Spool Read Microsecs	11	6	29	DMT678I
Average Spool Write Microsecs	11	6	28	DMT678I

Table 5 (Page 2 of 6). Maximum Column Widths for QUERY SHOW Options

Column Header	Maximum Width of Header	Maximum Width of Information	Column Position	Message Number
Base Address	8	8	6	DMT626I
	8	8	10	DMT642I
	8	8	47	DMT659I
	8	8	7	DMT667I
	8	8	25	DMT677I
	8	8	34	DMT678I
	8	8	2	DMT687I
	8	8	5	DMT696I
Blocks	9	9	19	DMT659I
Blocks Done	9	9	18	DMT659I
Buffer Size	6	6	49	DMT677I
Char 0	4	4	30	DMT659I
Char 1	4	4	31	DMT659I
Char 2	4	4	32	DMT659I
Char 3	4	4	33	DMT659I
Class	5	1	12	DMT659I
	5	8	7	DMT677I
Command Text	12	32	11	DMT642I
Copies	6	3	25	DMT659I
Current Form	8	8	34	DMT677I
Dataset Name	12	24	20	DMT659I
Date	8	8	1	DMT642I
Days	8	8	3	DMT642I
Def Class	5	8	15	DMT677I
Def Line	4	4	12	DMT677I
Default Dispatch Priority	8	10	17	DMT677I
Default Logmode	8	8	14	DMT677I
Default LU Name	8	8	13	DMT677I
Default Parm Text	17	50	39	DMT677I
Default Queueing	8	8	16	DMT677I
Default Type	8	8	11	DMT677I
Dest Node	8	8	1	DMT618I
	8	8	1	DMT622I
	8	8	1	DMT623I
	8	8	10	DMT659I
Dest User	8	8	2	DMT618I
	8	8	2	DMT622I
	8	8	2	DMT623I
Dest Userid	8	8	11	DMT659I
Device Type	6	7	43	DMT659I
Dispatch Priority	8	10	9	DMT677I
Dist Code	8	8	21	DMT659I
Drain	5	3	20	DMT677I
Queue Msg	7	3	40	DMT659I
EP Address	8	3	3	DMT696I
EP Name	8	8	2	DMT696I
Exit Number	6	3	1	DMT696I

Columnar Messages

Table 5 (Page 3 of 6). Maximum Column Widths for QUERY SHOW Options

Column Header	Maximum Width of Header	Maximum Width of Information	Column Position	Message Number
Fanout Link	8	8	36	DMT677I
FCB Mode	8	9	51	DMT677I
FCB Name	4	4	29	DMT659I
	4	4	50	DMT677I
File KBytes Received	8	7	4	DMT678I
File KBytes Sent	8	7	5	DMT678I
Files Received	8	6	6	DMT678I
Files Sent	8	6	7	DMT678I
Files Sent Stream 1	6	6	20	DMT678I
Files Sent Stream 2	6	6	21	DMT678I
Files Sent Stream 3	6	6	22	DMT678I
Files Sent Stream 4	6	6	23	DMT678I
Files Sent Stream 5	6	6	24	DMT678I
Files Sent Stream 6	6	6	25	DMT678I
Files Sent Stream 7	6	6	26	DMT678I
Files Sent Stream 8 to 32	7	6	27	DMT678I
Final Msg	5	3	42	DMT659I
Flash Count	5	3	27	DMT659I
Flash Name	5	4	26	DMT659I
For Node	8	8	1	DMT667I
For User	8	8	2	DMT667I
Form Control	7	6	21	DMT677I
Full Command Text	17	132	12	DMT642I
Full Default Parm Text	22	132	40	DMT677I
Full Override Parm Text	23	132	42	DMT677I
Full Parm Text	14	132	38	DMT677I
Full User Parm Text	19	132	44	DMT677I
Group Name	8	8	1	DMT631I
	8	8	1	DMT632I
	8	8	1	DMT635I
	8	8	1	DMT639I
	5	8	1	DMT641I
Held	4	6	6	DMT631I
	4	6	30	DMT677I
High Range	5	5	5	DMT642I
Hold	4	4	34	DMT659I
	4	3	18	DMT677I
I/O Count	10	6	31	DMT677I
	9	6	31	DMT678I
I/O Errors	10	6	32	DMT677I
	10	6	32	DMT678I
Job ID	5	5	48	DMT659I
Line Addr	4	4	4	DMT677I
Link	4	8	5	DMT626I

Table 5 (Page 4 of 6). Maximum Column Widths for QUERY SHOW Options

Column Header	Maximum Width of Header	Maximum Width of Information	Column Position	Message Number
Link Name	8	8	1	DMT444I
	8	8	1	DMT677I
	8	8	1	DMT678I
Link Queue	8	8	14	DMT659I
Link Status	10	10	2	DMT678I
Loc ID	4	4	2	DMT659I
Logmode	8	8	6	DMT677I
Looping	7	6	5	DMT631I
	7	7	35	DMT659I
	7	10	29	DMT677I
Low Range	5	5	4	DMT642I
LU Name	8	8	5	DMT677I
Message KBytes Received	8	7	8	DMT678I
Message KBytes Sent	8	7	9	DMT678I
Message Number	7	3	3	DMT622I
Messages for Link	8	8	3	DMT618I
Messages Received	8	6	10	DMT678I
Messages Sent	8	6	11	DMT678I
Modify	6	4	28	DMT659I
Name	8	8	8	DMT659I
Node Name	8	8	1	DMT630I
	8	8	1	DMT636I
	8	8	35	DMT677I
Nodes in the Group	53	53	2-7	DMT639I
Nodes Routed Through Primary Links	44	44	8-12	DMT636I
Operator Form	8	8	24	DMT659I
Ordered	7	3	38	DMT659I
Orig ID	5	5	3	DMT659I
Orig Qual	4	1	6	DMT659I
Origin Node	8	8	4	DMT659I
Origin Time	17	17	7	DMT659I
Origin Userid	8	8	5	DMT659I
Override Location	8	8	46	DMT659I
Override Parm Text	18	50	41	DMT677I
Parent Group	8	8	2	DMT630I
	8	8	2	DMT632I
Parm Text	9	50	37	DMT677I
Port Addr	4	4	1	DMT445I
Port Address	7	4	1	DMT626I
Pos in Q	4	4	1	DMT659I
Preferred Link	9	8	45	DMT659I
Previous Node	8	8	15	DMT659I
Primary Links	44	44	2-6	DMT635I
	44	44	2-6	DMT636I
Priority	8	3	13	DMT659I

Columnar Messages

Table 5 (Page 5 of 6). Maximum Column Widths for QUERY SHOW Options

Column Header	Maximum Width of Header	Maximum Width of Information	Column Position	Message Number
PSF DEST	4	8	22	DMT659I
PSF Destination	11	8	1	DMT687I
Queued	6	6	4	DMT631I
	6	10	28	DMT677I
Queueing	8	8	8	DMT677I
Quiet	5	3	6	DMT667I
Receiving	9	6	3	DMT631I
	9	10	27	DMT677I
Record Number	6	2	19	DMT444I
	6	2	19	DMT445I
	6	2	19	DMT446I
Records	9	9	17	DMT659I
Records Done	9	9	16	DMT659I
Rerouted	8	3	36	DMT659I
Retries Done	7	10	23	DMT677I
Retry Opt	5	3	22	DMT677I
Retry Time Left	6	10	24	DMT677I
Root Group	8	8	3	DMT630I
	8	8	3	DMT632I
RPL RC	4	4	14	DMT678I
RPL R0	3	2	18	DMT678I
RPL R15	3	2	17	DMT678I
RPL Sense	5	4	15	DMT678I
RPL USense	6	4	16	DMT678I
Sending	7	6	2	DMT631I
	7	10	26	DMT677I
Sent Msg	4	3	41	DMT659I
Since Date Time	17	17	3	DMT678I
Slowdown Delta	8	4	46	DMT677I
Slowdown Start	8	5	47	DMT677I
Slowdown Stop	8	5	48	DMT677I
Slowdown Mode	8	8	45	DMT677I
Spool I/O Reads	7	7	12	DMT678I
Spool I/O Writes	7	7	13	DMT678I
State	9	9	2	DMT626I
Status	6	3	20	DMT444I
	6	3	20	DMT445I
	6	3	20	DMT446I
	6	14	4	DMT622I
	7	7	7	DMT642I
	6	10	44	DMT659I
	10	10	2	DMT677I
	6	8	4	DMT696I
Store and Forward	7	3	37	DMT659I
Subordinate Groups	53	53	2-7	DMT641I
Subscribed to Messages	39	39	3	DMT623I
System Task	6	3	1	DMT446I

Table 5 (Page 6 of 6). Maximum Column Widths for QUERY SHOW Options

Column Header	Maximum Width of Header	Maximum Width of Information	Column Position	Message Number
Task ID	6	6	8	DMT642I
Task Name	8	8	9	DMT642I
Through Alternate	9	8	13	DMT636I
Time	5	5	2	DMT642I
Timeouts	10	10	33	DMT677I
	8	7	33	DMT678I
To Node	8	8	4	DMT667I
To User	8	8	5	DMT667I
Trace	5	4	4	DMT626I
	5	4	19	DMT677I
Trace Record Numbers	47	47	2-17	DMT444I
	47	47	2-17	DMT445I
	47	47	2-17	DMT446I
Trace Type	8	8	18	DMT444I
	8	8	18	DMT445I
	8	8	18	DMT446I
Type	8	8	6	DMT642I
	8	8	9	DMT659I
	8	8	3	DMT667I
	8	8	3	DMT677I
User Form	8	8	23	DMT659I
User Parm Text	14	50	43	DMT677I
VTAM Request Code	7	2	19	DMT678I

Columnar Messages

Understanding Language-Independent Messages

“Creating Columnar Messages” on page 107 explained about columnar messages and how to tailor them so that RSCS gives you the exact information you need. That section also showed you how to calculate the widths of columns so that your columnar message appeared as a tidy table of information rather than a table where one row wraps onto two lines.

This section explains about language-independent (machine-readable) messages. Before all the RSCS commands and within the SETMSG statement in the configuration file, you can specify a Command Response Interface (CRI) prefix to tell RSCS:

- How to deliver the message (using MSG, MSGNOH, or SMSG), and
- What language to deliver the message in (local, remote, or language-independent).

This section explains what language-independent messages look like and how to interpret (“parse”) these messages so that you can automate as many tasks as possible. Using the information in the previous section (“Creating Columnar Messages”) and this section, you should be able to create an exec to issue a QUERY command and have the exec react based on the information that is returned. For more information about the CRI prefix, see the *VM/RSCS: Operation and Use* book.

What Is a Language-Independent Message?

Normally, RSCS displays messages in sentence form. That is, RSCS displays some constant message text mixed with variable data. Messages in sentence form are fine if all your users speak the same language (for example, English) and if service updates made to the message repository do not change any “sentences” that you are trying to capture and react to in an exec or a program.

A language-independent (or machine-readable) message is a message that only gives you the variable data. These messages are designed to be used by execs or programs so that you can automate tasks.

What Does a Language-Independent Message Look Like?

The following command and resulting output show you the format of a language-independent message:

```
msg rscs (mv.mysig) query links show name queued
Ready;
RSCS 0677 0001 NEWYORK MYSIG 006BOSTON0016***
RSCS 0677 0002 NEWYORK MYSIG 008CLEVELND0013***
RSCS 0677 0003 NEWYORK MYSIG 005LONDON00223***
RSCS 0677 0004 NEWYORK MYSIG 005*LIST0010***
RSCS 0677 0005 NEWYORK MYSIG 008*UNKNOWN0012***
RSCS 0677 0006 NEWYORK MYSIG 008*NOTHERE0011***
RSCS 0620 0007 NEWYORK MYSIG 0016D08D01***
RSCS 0001 0008 NEWYORK MYSIG ***
```

The first column of information tells you the name of the product sending the response (here, RSCS). The second column tells you the message number. Note that the last line has 0001 as the message number. This is a special message that shows you have reached the end of the series of message lines.

The third column tells you the order of message lines (if they arrive out of sequence). The fourth column tells you the name of the node on which RSCS processed the command. The fifth column is the signature you specified on the CRI prefix. If you did not specify a signature, this column tells you what time RSCS processed the command.

The sixth column gives you the information you requested. There are 3 types of information you can receive in the sixth column:

1. Variable strings

Variable strings are made up of two parts: a 3-digit decimal number which defines how long (in characters) the information is and the information itself. For example, the following variable string specifies that you have the 7-character string “SANFRAN”:

```
007SANFRAN
```

2. Dictionary items

As the following example shows, dictionary items are 3-character strings that begin with the letter “D” followed by a 2-digit decimal number:

```
D01
```

By themselves, dictionary items do not mean much. They are associated with a list of words or sentences. Table 6 on page 126 lists all the messages that contain dictionary terms and what those dictionary terms resolve to.

3. The end of line indicator (3 asterisks).

Parsing a Language-Independent Message

Using the previous example, let us interpret the data. The first line reads:

```
006BOSTON0016***
```

Language-Independent Messages

The first 3 characters, 006, tells you that data immediately following is 6 characters long (BOSTON). The next 3 characters (001) tell you that the next piece of data is 1 character long (6). And finally, the *** tells you that you have reached the end of that line. You know from the command you issued (query links show name queued) that you wanted a list of all links and how many files each link has queued. By parsing the first line, you know link BOSTON has 6 files queued.

Lines 0002 through 0006 are formatted in the same manner as line 0001.

Lines 0007 and 0008 are different from the first 6 lines. Line 0008 only contains 3 asterisks, which means the line has no variable data. Line 0007 starts out like the previous 6 lines by having a 3-character length (001) followed by 1 character of data (6). After that, you see:

```
D08D01***
```

So, you know that you have 2 dictionary terms in line 0007. In the second column of line 0007, you see 0620, which tells you the message number. If you look up message 620I in Table 6, you will see a list of 24 dictionary items followed by a list of 2 dictionary items. D08 tells you to look at the eighth word in the first list (links) and D01 tells you to look at the first word in the second list (found). Therefore, 0016D08D01*** translates into 6 links found.

Table 6 (Page 1 of 6). RSCS Messages that Contain Dictionary Terms

Message Number	Variable Number	Dictionary Terms
011I	4	D01 active D02 inactive
060E	2	D01 temporary shortage of VTAM storage D02 wrong password supplied on NETWORK START command D03 incorrect APPLID on NETWORK START command D04 APPLID on NETWORK START command was not found by VTAM D05 VTAM is not initialized D06 the ACB requested is currently being closed D07 another application has already opened an ACB for the specified APPLID D08 the VTAM operator issued a HALT command -- VTAM is shutting down D09 VTAM has not been included as part of the operating system D10 unknown reason
080E	1	D01 S D02 U
090T	1	D01 S D02 U

Table 6 (Page 1 of 6). RSCS Messages that Contain Dictionary Terms

Message Number	Variable Number	Dictionary Terms
095E	1	D01 S D02 U
104I	2	D01 spooled D02 transferred
113I	4	D01 auto mode D02 setup mode
114E	1	D01 input D02 output
	3	D01 devices D02 storage
193I	2	D01 connecting to D02 disconnecting from
209E	1	D01 command D02 option
218E	1	D01 command D02 statement
220E	1	D01 links D02 destinations D03 exit names D04 spoolids D05 message numbers D06 channel addresses D07 retry intervals
304E	1	D01 active D02 connect
404E	1	D01 on D02 off
431I	1	D01 on D02 off
444I	20	D01 on D02 off
445I	20	D01 on D02 off
446I	20	D01 on D02 off
448I	1	D01 yes D02 no
	3	D01 on D02 off
453E	1	D01 PARM D02 UPARM
484E	1	D01 form D02 FCB
554E	2	D01 defined D02 started
556E	1	D01 Node D02 Group

Table 6 (Page 2 of 6). RSCS Messages that Contain Dictionary Terms

Message Number	Variable Number	Dictionary Terms	
620I	2	D01 dest	
		D02 dests	
		D03 route	
		D04 routes	
		D05 reroute	
		D06 reroutes	
		D07 link	
		D08 links	
		D09 file	
		D10 files	
		D11 port	
		D12 ports	
		D13 exit	
		D14 exits	
		D15 event	
		D16 events	
		D17 group	
		D18 groups	
		D19 node	
		D20 nodes	
		D21 subscription	
		D22 subscriptions	
		D23 task	
		D24 tasks	
622I	4	D01 subscribed	
		D02 not subscribed	
626I	2	D01 in use	
		D02 disabling	
		D03 enabled	
		D04 free	
628I	2	D01 all	
		D02 log	
637E	1	D01 Node	
		D02 Group	
642I	6	D01 Internal	
		D02 Midnight	
		D03 System	
		D04 User	
	646E	3	D01 changed
			D02 transferred
	653I	6	D01 retry=yes
			D02 retry=no
654I	2	D01 intreq	
		D02 released	
		D03 connect	
659I	34	D04 active	
		D05 retry-wait	
		D06 dial-queue	
	35	D07 starting	
		D08 RPL-wait	
	36	D09 logon-wait	
		D10 inactive	
	37	D01 sys	
		D02 user	
	38	D03 no	
D01 max-hop			
39	D02 immed		
	D03 no		
40	D01 yes		
	D02 no		
41	D01 yes		
	D02 no		
42	D01 yes		
	D02 no		
43	D01 punch		
	D02 3800-8		
	D03 3800-3		
	D04 3800-1		
	D05 printer		
	D06 unknown		
44	D01 sys-hold		
	D02 user-hold		
	D03 spec-hold		
	D04 hop-loop		
	D05 immed-loop		
	D06 exit-hold		
	D07 no stream		
	D08 trace		
	D09 sending		
	D10 receiving		
	D11 waiting		

Table 6 (Page 2 of 6). RSCS Messages that Contain Dictionary Terms

Language-Independent Messages

Table 6 (Page 3 of 6). RSCS Messages that Contain Dictionary Terms

Message Number	Variable Number	Dictionary Terms	
667I	3	D01 messages D02 files D03 all D04 not-rec D05 commands	
	6	D01 yes D02 no	
674I	1	D01 link D02 node	
677I	2	D01 intreq D02 released D03 connect D04 active D05 retry-wait D06 dial-queue D07 starting D08 RPL-wait D09 logon-wait D10 inactive	
		8	D01 priority D02 size D03 FIFO
		10	D01 yes D02 no
		16	D01 priority D02 size D03 FIFO
		18	D01 yes D02 in D03 out D04 no
		19	D01 all D02 log D03 rec D04 none
		20	D01 yes D02 no
		21	D01 setup D02 auto D03 manual D04 none
		22	D01 yes D02 no
		45	D01 absolute D02 relative
51	D01 dynamic D02 selection D03 ignore		

Table 6 (Page 3 of 6). RSCS Messages that Contain Dictionary Terms

Message Number	Variable Number	Dictionary Terms		
678I	2	D01 intreq D02 released D03 connect D04 active D05 retry-wait D06 dial-queue D07 starting D08 RPL-wait D09 logon-wait D10 inactive		
		680I	1	D01 Messages D02 Files D03 All D04 Not received messages D05 Commands
		681I	1	D01 Messages D02 Files D03 All D04 Not received messages D05 Commands
		693I	1	D01 Hops monitoring D02 Immediate loop checking
			2	D01 enabled D02 disabled
		694E	1	D01 Hops monitoring D02 Immediate loop checking
			2	D01 enabled D02 disabled
		696I	4	D01 on D02 off
		697I	1	D01 yes D02 no
				2
3	D01 yes D02 no			
	4		D01 yes D02 no	
5	D01 all D02 hops D03 immediate D04 none			
	7		D01 yes D02 no	
	10		D01 origin userid D02 RSCSnnnn	
11	D01 yes D02 yes by default D03 no D04 no by default			

Table 6 (Page 4 of 6). RSCS Messages that Contain Dictionary Terms

Message Number	Variable Number	Dictionary Terms
699I	2	D01 hours
		D02 hour
	4	D01 minutes
		D02 minute
6	D01 seconds	
	D02 second	
7	D01 west of GMT	
	D02 east of GMT	
	D03 GMT	
700I	5	D01 queueing=priority D02 queueing=size D03 queueing=FIFO
707I	5	D01 queueing=priority D02 queueing=size D03 queueing=FIFO
740I	1	D01 Node D02 Group
	3	D01 primary D02 alternate
741I	1	D01 Node D02 Group
743E	2	D01 node D02 group
747I	2	D01 nodes D02 groups
774I	1	D01 starting D02 stopping D03 ready D04 stopped
830E	2	D01 first line of file is blank D02 multiple destinations without LISTPROC definition D03 null message or missing distribution list delimiter
880E	1	D01 no command specified D02 specified time is before current time D03 invalid time or range specified
882I	2	D01 deleted D02 suspended D03 resumed D04 scheduled D05 complete
883I	2	D01 deleted D02 suspended D03 resumed D04 scheduled D05 complete

Table 6 (Page 4 of 6). RSCS Messages that Contain Dictionary Terms

Message Number	Variable Number	Dictionary Terms
884I	1	D01 ALL
		D02 USER
		D03 SYSTEM
	2	D01 deleted D02 suspended D03 resumed
885E	1	D01 USER or SYSTEM D02 USER D03 SYSTEM
886E	1	D01 date D02 time D03 days of week D04 range D05 command
926E	4	D01 graphics files must be PUNCH D02 invalid CCW opcode D03 RSCS buffer size too small D04 premature end of file D05 excessive data encountered D06 negative acknowledgement received D07 function not supported
927E	6	D01 graphics files must be PUNCH D02 invalid CCW opcode D03 RSCS buffer size too small D04 premature end of file D05 excessive data encountered D06 negative acknowledgement received D07 function not supported

Language-Independent Messages

Table 6 (Page 5 of 6). RSCS Messages that Contain Dictionary Terms

Message Number	Variable Number	Dictionary Terms
930E	5	D01 remote system in SHUTDOWN
		D02 stream not supported
		D03 stream drained
		D04 unknown stream
		D05 FCS conflict
		D06 RIF received for unsupported stream
		D07 insufficient real storage
		D08 insufficient virtual storage
		D09 insufficient spool space
		D10 insufficient CPU resources
		D11 lack of resources
		D12 operator issued HOLD command
		D13 operator issued STOP command
		D14 operator issued FLUSH command
		D15 operator issued command
		D16 last transmission not correctly terminated
		D17 compression or compaction error detected
		D18 records sent out of sequence
		D19 mixed RCBs encountered
		D20 undefined RCB/SRCB combination
		D21 protocol violation
		D22 unsupported device
		D23 datastream error
		D24 file rejected by exit or security routine
		D25 unknown reason
939E	5	D01 no job header received
		D02 no dataset header received
		D03 no job trailer received
		D04 invalid header segment length
		D05 unknown header type
		D06 missing last header segment
		D07 missing first header segment
		D08 header segments out of order
		D09 inconsistent header record types
		D10 duplicate job header
		D11 invalid header section length
		D12 invalid spanned record length
944E	1	D01 Command
		D02 Message

Table 6 (Page 5 of 6). RSCS Messages that Contain Dictionary Terms

Message Number	Variable Number	Dictionary Terms
945E	3	D01 remote system in SHUTDOWN
		D02 stream not supported
		D03 stream drained
		D04 unknown stream
		D05 FCS conflict
		D06 RIF received for unsupported stream
		D07 insufficient real storage
		D08 insufficient virtual storage
		D09 insufficient spool space
		D10 insufficient CPU resources
		D11 lack of resources
		D12 operator issued HOLD command
		D13 operator issued STOP command
		D14 operator issued FLUSH command
		D15 operator issued command
		D16 last transmission not correctly terminated
		D17 compression or compaction error detected
		D18 records sent out of sequence
		D19 mixed RCBs encountered
		D20 undefined RCB/SRCB combination
		D21 protocol violation
		D22 unsupported device
		D23 datastream error
		D24 file rejected by exit or security routine
		D25 unknown reason
954E	5	D01 remote system in SHUTDOWN
		D02 stream not supported
		D03 stream drained
		D04 unknown stream
		D05 FCS conflict
		D06 RIF received for unsupported stream
		D07 insufficient real storage
		D08 insufficient virtual storage
		D09 insufficient spool space
		D10 insufficient CPU resources
		D11 lack of resources
		D12 operator issued HOLD command
		D13 operator issued STOP command
		D14 operator issued FLUSH command
		D15 operator issued command
		D16 last transmission not correctly terminated
		D17 compression or compaction error detected
		D18 records sent out of sequence
		D19 mixed RCBs encountered
		D20 undefined RCB/SRCB combination
		D21 protocol violation
		D22 unsupported device
		D23 datastream error
		D24 file rejected by exit or security routine
		D25 unknown reason

Table 6 (Page 6 of 6). RSCS Messages that Contain Dictionary Terms

Message Number	Variable Number	Dictionary Terms
958E	2	D01 remote system fails to respond
		D02 I/O completed incorrectly
972I	1	D01 printer
		D02 work-station
973E	5	D01 remote system in SHUTDOWN
		D02 stream not supported
		D03 stream drained
		D04 unknown stream
		D05 FCS conflict
		D06 RIF received for unsupported stream
		D07 insufficient real storage
		D08 insufficient virtual storage
		D09 insufficient spool space
		D10 insufficient CPU resources
		D11 lack of resources
		D12 operator issued HOLD command
		D13 operator issued STOP command
		D14 operator issued FLUSH command
		D15 operator issued command
		D16 last transmission not correctly terminated
		D17 compression or compaction error detected
		D18 records sent out of sequence
		D19 mixed RCBs encountered
		D20 undefined RCB/SRCB combination
		D21 protocol violation
		D22 unsupported device
		D23 datastream error
		D24 file rejected by exit or security routine
		D25 unknown reason

Bibliography

This bibliography lists the books that provide additional information about your system.

RSCS Library

The following table lists the books in the RSCS library and their order numbers by task-oriented category.

Title	Order Number
Evaluation	
VM/RSCS: Licensed Program Specifications	GH24-5223
VM/RSCS: General Information	GH24-5218
Planning, Installation, and Service	
VM/RSCS: Planning and Installation	SH24-5219
VM/RSCS: Data Interchange Manager Installing, Managing, and Using	SH24-5248
End Use	
VM/RSCS: Operation and Use	SH24-5220
VM/RSCS: Reference Summary	SX24-5257
Customization	
VM/RSCS: Exit Customization	SH24-5222
Diagnosis and Reference	
VM/RSCS: Diagnosis Reference	SC24-5881
VM/RSCS: Messages and Codes	SH24-5221

VM/ESA Library

The following table lists books in the VM/ESA library that may be helpful when using RSCS.

Title	Order Number
VM/ESA Version 2 Release 4.0	
VM/ESA: General Information	GC24-5745
VM/ESA: VMSES/E Introduction and Reference	GC24-5837
VM/ESA: Service Guide	GC24-5838
VM/ESA: Planning and Administration	SC24-5750
VM/ESA: Performance	SC24-5782
VM/ESA: CP Command and Utility Reference	SC24-5773
VM/ESA: Group Control System	SC24-5757
VM/ESA: CMS User's Guide	SC24-5775
VM/ESA: CMS Command Reference	SC24-5776
VM/ESA: REXX/VM Reference	SC24-5770
VM/ESA: CMS Application Development Guide	SC24-5761
VM/ESA: CP Programming Services	SC24-5760
VM/ESA: Dump Viewing Facility	GC24-5853
VM/ESA: System Messages and Codes	GC24-5841
VM/ESA: CMS File Pool Planning, Administration, and Operation	SC24-5751
VM/ESA: Quick Reference	SX24-5290
CMS Utilities Feature	
VM/ESA: CMS Utilities Feature	SC24-5535

Other Related Books

The following table lists other books, outside the VM/Pass-Through Facility and VM/ESA libraries, that are helpful when using this book.

Title	Order Number
Transmission Control Protocol/Internet Protocol for VM	
TCP/IP for VM: Planning and Customization	SC24-5847
TCP/IP for VM: User's Guide	SC24-5848
TCP/IP for VM: Programmer's Reference	SC24-5849
TCP/IP for VM: Messages and Codes	GC24-5850
Network Job Entry	
Concepts and Protocols Overview	GG66-0224
Network Job Entry Formats and Protocols	SC23-0070
System Network Architecture	
Technical Overview	GC30-3073
Reference Summary	GA27-3136
Sessions Between Logical Units	GC20-1868
Other	
ACF/VTAM Programming	GC38-0286
GDDM: Installation and System Management	SC33-0152
IBM ESA/390 Principles of Operation	SA22-7201
IBM 3800 Printing Subsystem Programmer's Guide	SC26-3846
IBM 7171 ASCII Device Attachment Control Unit Reference Manual and Programming Guide	GA37-0021
4224 Printer Products and Program Directory	GC31-2550

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Readers' Comments

Virtual Machine
Remote Spooling Communications Subsystem
Networking
Messages and Codes
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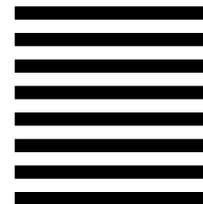
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