z/VM
7.4

*RSCS Networking
Messages and Codes*

IBM

> **Note:**
>
> Before you use this information and the product it supports, read the information in "Notices" on page 257.

# Contents

# Tables

# About This Document

This document describes and explains the messages and codes produced by IBM® Remote Spooling Communications Subsystem (RSCS) Networking for z/VM. It also explains how to tailor the columnar messages issued by the RSCS QUERY command.

## Intended Audience

This information is for anyone who is responsible for installing, servicing, customizing, or operating RSCS.

You must be familiar with the use of z/VM®, including its concepts and terminology, and with TCP/IP. z/VM and TCP/IP are not discussed in detail in this document.

## Where to Find More Information

For more information on RSCS and other parts of z/VM, see the "Bibliography" on page 261.

### Links to Other Documents and Websites

The PDF version of this document contains links to other documents and websites. A link from this document to another document works only when both documents are in the same directory or database, and a link to a website works only if you have access to the Internet. A document link is to a specific edition. If a new edition of a linked document has been published since the publication of this document, the linked document might not be the latest edition.

# How to provide feedback to IBM

We welcome any feedback that you have, including comments on the clarity, accuracy, or completeness of the information. See How to send feedback to IBM for additional information.

# Summary of Changes for z/VM: RSCS Networking Messages and Codes

This information includes terminology, maintenance, and editorial changes. Technical changes or additions to the text and illustrations for the current edition are indicated by a vertical line (|) to the left of the change.

## GC24-6318-74, z/VM 7.4 (September 2024)

This edition supports the general availability of z/VM 7.4. Note that the publication number suffix (-74) indicates the z/VM release to which this edition applies.

## GC24-6318-73, z/VM 7.3 (December 2023)

This edition includes terminology, maintenance, and editorial changes.

## GC24-6318-73, z/VM 7.3 (September 2022)

This edition supports the general availability of z/VM 7.3. Note that the publication number suffix (-73) indicates the z/VM release to which this edition applies.

## GC24-6318-01, z/VM 7.2 (September 2020)

This edition supports the general availability of z/VM 7.2.

# Chapter 1. Introduction

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

## Message Format in this Document

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

- Message
  - Message Identifier
  - Display Message
- Explanation
- System Action
- User or Operator Action
- Destination Keys (RSCS and Data Interchange Manager messages only)

## 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
```

An example of a RSCSDNS message identifier is:

```
DMTDNS1000I
```

An example of an RSCSAUTH message identifier is:

```
DMTATH2015E
```

An example of an RSCS Data Interchange Manager message identifier is:

```
ACHAxx000I
```

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 DMT170I and DMT171I 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. See "Columnar Messages" on page 6 for general information about columnar messages. For more information about tailoring a columnar message for your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about language-independent messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

The message identifiers conform to z/VM standards.

**DMT**

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

For RSCS Data Interchange Manager messages, the first four characters of the identifier ACHA is the prefix.

**NTR**

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

For RSCS Data Interchange Manager messages, the next two characters denote the module origin of the message. This field is the fifth and sixth characters of the module name.

In this document, the module is not shown as part of the message.

**147**

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

Note that the RSCS DNS messages and the RSCSAUTH 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

**S**

Message compiler syntax message

**T**

End of RSCS because of error

**W**

Warning message

For an explanation of the message identifiers and destination keys for RSCS Interchange messages, see Chapter 7, "RSCS Data Interchange Manager Messages," on page 181.

## 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. Some messages might be displayed on more than one line.

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.

## 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 RSCS server 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.

## RSCS Server 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: DMT003I, DMT004I, DMT005I, DMT100I, DMT170I, DMT171I, and DMT888I.

**Note:** RSCS issues message DMT100I 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 DMT100I 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.

## RSCS Server Message Size

If a message is sent from a remote system, an additional header is added by the receiving RSCS virtual machine. See messages DMT170I and DMT171I. 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, the length of the message text, or the length of the variable text substitution.

## RSCS Server 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 *z/VM: RSCS Networking Planning and Configuration* and *z/VM: RSCS Networking Operation and Use* 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 Chapter 3, "RSCS Server General Messages," on page 13 contain one or more variables. Real values are substituted when the message is actually displayed. For example, the text for message DMT147I is shown as follows:

**DMT147I    Sent file *spoolid* (*origid*) on link *linkid* to *locid* (*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 Document

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

**groupid**
> Group identifier; the name of a group of related nodes.

**linkid**
> Link identifier; the name of a link.

**locid**
> Location identifier; the node ID of the user's local system

**luname**
> The logical unit name for the system or device that is connected to the referenced link.

**nodeid**
> Node identifier; the name by which a node is known to all other nodes in a network.

**origid**
> 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.

**spoolid**
> The spool file identifier that is *currently* assigned to the referenced file by the z/VM spool facility.

**userid**
> User identifier; the name by which a virtual machine and its user are known to others.

**vaddr**
> 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 Document

The syntax used in the messages in this document 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 document 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

The RSCS server 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.

For information to help you issue the QUERY command so that you receive just the response you want, see Chapter 8, "Creating Columnar Messages," on page 203. For information to help you decipher a language-independent columnar message, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

# Chapter 2. 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 z/VM, abend 778 will occur.

The GCS abend codes are listed in *z/VM: Other Components Messages and Codes*.

## 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 DMT080E will follow, indicating the link that failed.

#### User response

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 DMT080E will follow, indicating the link that failed.

#### User response

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 DMT080E will follow, indicating the link that failed.

## User response

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 DMT080E will follow, indicating the link that failed.

## User response

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 DMT080E will follow, indicating the link that failed.

## User response

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 DMT080E will follow, indicating the link that failed.

## User response

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'11xxxxxx' 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 DMT080E will follow, indicating the link that failed.

## User response

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 DMT080E will follow, indicating the link that failed.

## User response

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 DMT080E will follow, indicating the link that failed.

## User response

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 DMT502E will be issued before the link is abnormally terminated. Message DMT080 will follow, indicating the link that failed.

## User response

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 DMT090T and either message DMT091T or DMT092T will follow. RSCS will be deactivated.

## User response

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 DMT090T and either message DMT091T or DMT092T will follow. If the abending task is a line or session driver task, message DMT080E will follow.

## User response

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 DMT090T and either message DMT091T or DMT092T will follow. RSCS will be deactivated.

## User response

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 DMT090T and either message DMT091T or DMT092T will follow. RSCS will be deactivated.

## User response

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 DMT080E will follow, indicating the link that failed.

## User response

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 link 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 DMT080E will follow, indicating the link that failed.

## User response

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 link 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 DMT080E will follow, indicating the link that failed.

## User response

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 DMT090T and either message DMT091T or DMT092T will follow. RSCS will be deactivated.

## User response

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 DMT090T will follow.

## User response

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 DMT090T and either message DMT091T or DMT092T will follow. RSCS will be deactivated.

## User response

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 DMT122E will precede the abend, indicating what file was being processed at the time of the error.

## User response

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 DMT080E or DMT090T will follow, indicating the task that failed.

## User response

A change in an exit routine must be made so that the value returned in register 15 is valid. Notify local RSCS support personnel.

# Chapter 3. RSCS Server General Messages

The following RSCS Server General messages are issued by the RSCS server.

**DMT000I**          **RSCS Networking Function Level *nnn-nnnn* ready**

## Explanation

This message signals the completion of RSCS initialization. *nnn* is the function level and *nnnn* is the service (RSU) level of the RSCS system.

## System action

The system begins normal processing by accepting files and commands.

## User response

Normally, activate one or more links.

## Destination

CP, R

**DMT001I**          **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.

## User response

None.

## Destination

CO

**DMT002I**          **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.

## User response

None.

## Destination

R, SCO, CO

**DMT003I**          **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.

## User response

None.

## Destination

P, R

**DMT004I**          **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.

## User response

None.

## Destination

P, R

| DMT005I | 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.

## User response

None.

## Destination

P, R

| DMT006W | {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.

## User response

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

## Destination

P, R, CO

| DMT007W | 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.

## User response

Issue the Query command again using filters.

## Destination

SCO

| DMT010I | 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.

## User response

None.

## Destination

CO, R

---

**DMT011I**     **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.

## User response

None.

## Destination

R

---

**DMT012I**     **Link** *linkid* **exit routine** *ep_name* **loaded at** *vaddr*

## 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 *ep_name* and is loaded at *vaddr*, the hexadecimal storage address.

## System action

Normal system operation continues.

## User response

None.

## Destination

R, SCO

---

**DMT013I**     **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.

## User response

None.

## Destination

R

---

**DMT014I**     **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.

## User response

None.

## Destination

R, SCO

---

**DMT060E**     **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 *VTAM: Programming*. 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.

## User response

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. For more information, see *VTAM: Programming*.

## Destination

NCO, R

| DMT061E | 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 *VTAM: Programming*.

## System action

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

## User response

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

---

**DMT069E**     **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.

*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.

## User response

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

---

**DMT070E**     **I/O error on link** *linkid vaddr* **SSHCC** *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 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 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.

## User response

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 to define additional spool space.

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

Other messages that can give you additional information on this problem are DMT119E, DMT938E, and DMT956E.

For more information, see z/Architecture® Principles of Operation.

## 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 |

*Table 1. Sense Byte Meanings for Link Types (continued)*

| SENSE BYTE | NJE with BSC lines, RJE, MRJE | Or TN3270E and 3270P | Or Virtual Output Device |
|---|---|---|---|
| 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.

---

**DMT071E**      **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 *VTAM: Programming*.

**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.

## User response

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

| | |
|---|---|
| **DMT072E** | **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 *VTAM: Programming*.

**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.

## User response

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

| | |
|---|---|
| **DMT073E** | **{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.

## User response

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

## Destination

CP, NCO, R

| | |
|---|---|
| **DMT074I** | **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.

## User response

None.

## Destination

R, SCO

---

**DMT075I**   **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. See *VTAM: Programming*.

## System action

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

## User response

None.

## Destination

CP, NCO, R

---

**DMT076E**   **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.

## User response

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

## Destination

NCO, R

---

**DMT077I**   **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. For an explanation of the hexadecimal reason code (*cc*), see *VTAM: Programming*.

## System action

The session is deactivated.

## User response

None.

## Destination

R, SCO

---

**DMT078E**   **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 *IPDS Reference*.

## System action

Normal system operation continues.

## User response

None.

## Destination

FO, R, SCO

---

**DMT079E**   **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 *IPDS Reference*.

## System action

Normal system operation continues.

## User response

None.

## Destination

FO, R, SCO

**DMT080E**      ABEND {U*nnn* | S*nnn*} on link
*linkid*

## Explanation

The affected link, identified by *linkid*, has been
terminated because of a failure either in RSCS or GCS.
U*nnn* indicates an RSCS abend code of *nnn*; S*nnn*
indicates a GCS abend code of *nnn*. See Chapter 2,
"Abend Codes," on page 7 for more information. See
Abend Codes in *z/VM: RSCS Networking Messages and
Codes* 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.

## User response

Process the dump using the Dump Viewing Facility.
For more information, see *z/VM: Dump Viewing Facility*
and *z/VM: RSCS Networking Diagnosis*. Submit the
dump and the console output to local RSCS support
personnel.

## Destination

R, SCO

**DMT081I**      Program Status Word = *xxxxxxxx
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 DMT080E, DMT090T, or
DMT095E being issued.

## User response

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 DMT080E, DMT090T, or
DMT095E.

## Destination

R

**DMT082I**      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
DMT080E, DMT090T, or DMT095E will also be issued
with this message.

## User response

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

## Destination

R

**DMT083E**      Socket error on link *linkid*
request=*request* return code=*rc*
error number=*errno* (*description*)

## Explanation

This message is issued when a TCP/IP link 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. Error numbers greater than 40000 are from the SSL server and can be returned from IOCTL Socket calls RSCS issues to manipulate the TLS encryption environment.

*description*
> The textual description corresponding to the error number.

## System action

The error is logged and the named RSCS link is deactivated.

## User response

Attempt to restart the link, if appropriate. If the problem 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 *z/VM: TCP/IP Programmer's Reference*. If the return code is an address of the IUCV interrupting IPARML, or a GCS return code, see *z/VM: CP Programming Services* and *z/VM: Group Control System* for the specific IUCV problem. If the error number is from the SSL server, see the Messages and Codes chapter of *z/OS®: Cryptographic Service Secure Socket Layer Programming* for additional details.

For TCPNJE-type links which are configured for TLS encryption, a return code of -1 with corresponding error number 22 (Invalid Argument) may indicate required TCP/IP stack and SSL server support have not been applied to the system.

## Destination

R, SCO

| DMT084E | The port redirector has run out of socket descriptors for stack *stackid* VMDUMP generated and connection to stack recycled |
|---|---|

## Explanation

The RSCS port redirector task has encountered an out of socket descriptor condition as a response to issuing a socket ACCEPT request. This condition occurs when all available socket descriptors are in use for a connection to one TCP/IP stack. This condition most likely can occur if there is a link not responding to TAKESOCKET requests from the port redirector task.

## System action

The RSCS port redirector task will initiate a VMDUMP that will be sent to the user ID on the local system indicated by the DUMP configuration file record. In addition, the connection to the particular TCP/IP stack will be reset, which will clear all socket descriptors in use.

## User response

Contact IBM support to review the generated dump and determine what has caused the out of socket descriptor condition.

## Destination

R, SCO

| DMT086E | 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.

## User response

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

| DMT090T | ABEND {U*nnn* | S*nnn*} in supervisor task *name* -- task terminated |
| --- | --- |

## Explanation

The supervisor task named *name* has been terminated because of a failure either in RSCS or GCS. U*nnn* indicates an RSCS abend code of *nnn*; S*nnn* indicates a GCS abend code of *nnn*. See Chapter 2, "Abend Codes," on page 7 for more information.

## System action

A dump will automatically be taken. In case of a system abend, RSCS will be deactivated and message DMT091T or DMT092T will be issued.

## User response

Notify local RSCS support personnel. If the name of the failing task is "DMTSCT", and messages DMT091T and DMT092T are *not* issued, try issuing the RSCS NETWORK START command again.

## Destination

CP, R

| DMT091T | 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 *z/VM: RSCS Networking Diagnosis* 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.

## User response

Notify local RSCS support personnel.

## Destination

CP, R

| DMT092T | 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.

## User response

Notify local RSCS support personnel.

## Destination

CP, R

| DMT093T | 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 *z/VM: Group Control System* for more information.

## System action

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

## User response

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

## Destination

CP, R

| DMT094T | 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.

## User response

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

| DMT095E | 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 Chapter 2, "Abend Codes," on page 7 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.

## User response

Notify local RSCS support personnel.

## Destination

CP, R

| DMT096T | 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 z/VM or GCS.

## System action

RSCS initialization processing ends and the RSCS system is quiesced.

## User response

Ensure that RSCS is initialized in a z/VM mode virtual machine.

## Destination

CP, R

| DMT099E | 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.

## User response

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

---

**DMT100I**        **RSCS Networking terminated**

## Explanation

RSCS has been normally terminated by the RSCS SHUTDOWN command.

## System action

The RSCS system is no longer active.

## User response

None.

## Destination

CP, P, R, V

---

**DMT101I**        **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. 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 DMT101I 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.

## User response

None.

## Destination

V

---

**DMT102I**        **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.

## User response

None.

## Destination

FO

---

**DMT103E**        **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 response

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

---

**DMT104I**        **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 z/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 z/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.

## User response

None.

## Destination

FO, R, V

| DMT105I | 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.

## User response

None.

## Destination

R

| DMT106I | 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 RSCS spool queue using the CP TRANSFER command.

## System action

Normal processing continues.

## User response

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

## Destination

R

| DMT108E | System error reading spool file *spoolid* |
|---|---|

## Explanation

A return code reflecting a z/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.

## User response

This message indicates a z/VM system error. Notify local system support personnel.

## Destination

CP, R

| DMT109I | 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, reenqueued on a new link.

## User response

None.

## Destination

R

---

**DMT110E**      **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 response

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

## Destination

V

---

**DMT111E**      **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 z/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 response

Submit the file again and specify the correct destination user ID.

## Destination

CO

---

**DMT112E**      **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 z/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 response

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

---

**DMT113I**      **Link *linkid* print mount required class *cccc* form *ffffffff* {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:

***linkid***
     the link identifier of the workstation printer

***cccc***
     the class(es) that the link is currently processing

*ffffffff*
> 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.

## User response

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.

| DMT114E | 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.

## User response

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

| DMT115E | 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 z/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 *z/VM: RSCS Networking Planning and Configuration*), the NOTIFY-type link may generate a note to the file originator giving instructions on how to handle the misdirected file.

## User response

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

| DMT116I | 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 response

None.

## Destination

FO

| DMT117E | 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 response

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

## Destination

V

| DMT118E | 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.

## User response

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

## Destination

R

---

**DMT119E**　　　　**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 DMT070E, 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.

## User response

This error condition should be reported to local RSCS and z/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

---

**DMT120I**　　　　**File (*origid*) for *locido* (*userido*) rerouted to *locid* (*userid*)**

## Explanation

Issued to the sender of a file that is being rerouted. The file was originally addressed to *userido* 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 response

None.

## Destination

FO

---

**DMT121E**　　　　**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 response

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

---

**DMT122T**　　　　**TAG command failed rc= *return code* file *spoolid* (*orgid*) 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 *z/VM: CP Commands and Utilities 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, 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 response

Try to resend the file specified in the error message. If the problem persists, contact your local support personnel. The problem may be caused by RACF.

## Destination

CO

---

**DMT123E**　　　　**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.

## User response

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 z/VM and RSCS support personnel.

## Destination

CP, R

| DMT124E | 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 z/VM at this node.

## System action

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

## User response

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

## Destination

FO, R

| DMT141I | Line *vaddr* ready for connection to link *linkid* |
|---------|---------|

## Explanation

This message is issued by a link 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 link 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 link 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.

## User response

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

| DMT142I | 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.

## User response

None.

## Destination

R, SCO

| DMT143I | 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.

## User response

None.

## Destination

R, SCO

| DMT144I | 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 z/VM spool system as it is received.

## User response

None.

## Destination

R

| DMT145I | 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.

## User response

None.

## Destination

R

| DMT146I | 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.

## User response

None.

## Destination

R

| DMT147I | 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 workstation or 3270 printer. Normal link processing continues.

## User response

None.

## Destination

FO, R

| DMT148I | 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.

## User response

None.

## Destination

R

| DMT151I | 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.

## User response

None.

## Destination

R, SCO

| DMT152I | 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.

## User response

None.

## Destination

R, SCO

| DMT153I | 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.

## User response

None.

## Destination

R, SCO

---

**DMT154I**        **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.

## User response

None.

## Destination

R

---

**DMT155I**        **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.

## User response

None.

## Destination

R

---

**DMT156I**        **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.

## User response

None.

## Destination

R

---

**DMT157I**        **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.

## User response

None.

## Destination

CO, R

---

**DMT162I**        **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.

## User response

None.

## Destination

R, SCO

---

**DMT170I**          **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. This message is always issued from the RSCS server.

## System action

Normal RSCS processing continues.

## User response

None.

## Destination

P, V

---

**DMT171I**          **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. This message is always issued from the RSCS server.

## System action

Normal RSCS processing continues.

## User response

None.

## Destination

P, V

---

**DMT172I**          **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.

## User response

None.

## Destination

CO

---

**DMT173I**          **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.

## User response

None.

## Destination

CO

---

**DMT174I**          **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.

## User response

None.

## Destination

CO

---

**DMT175I**          **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.

## User response

None.

## Destination

CO

---

**DMT176E**          **SERVERID *serverid* for XCHANGE link *linkid* is not in CP directory**

## Explanation

You specified a user ID that was not in the CP directory when you attempted to define an RSCS Interchange server ID within the RSCS configuration file using the PARM statement for the XCHANGE link.

## System action

Processing of the RSCS configuration file continues. When complete, the RSCS server will stop.

## User response

Check the RSCS configuration file to make sure the RSCS Interchange server ID for *linkid* is a valid VM user ID.

## Destination

R

---

**DMT177T**          **A device error has been detected in the spool OR define process during RSCS initialization**

## Explanation

In defining an RSCS Interchange server ID within the RSCS configuration file, a CP SPOOL command is issued. However, the device associated with the CP SPOOL or CP DEFINE (default address = 000D) is experiencing errors.

## System action

RSCS initialization terminates.

## User response

Try manual detaches and defines of the device at 000D. If the problem persists, notify the IBM support group.

## Destination

R

---

**DMT178E**          **Parm not specified for XCHANGE link *linkid***

## Explanation

A required parameter was not supplied on the PARM statement for the RSCS Interchange XCHANGE type link *linkid* in the RSCS configuration file, or the statement was omitted. The expected parameter is the RSCS Interchange server ID.

## System action

Processing of the RSCS configuration file continues. When complete, the RSCS server will stop.

## User response

Specify a valid z/VM user ID, that has been agreed upon, as the RSCS Interchange server ID.

## Destination

R

---

**DMT179E**          **TLS configuration mismatch on link *linkid***

## Explanation

This message is issued when a TCPNJE link driver detects a mismatch in the TLS configuration with the remote node. One side is configured for TLS/SSL

encryption while the other side is not. *linkid* is the link identifier of the link detecting the error.

## System action

The error is logged and the named RSCS link is deactivated.

## User response

Correct the TLS configuration mismatch and attempt to restart the link. The RSCS QUERY command can be used to determine how the link was configured on each side. For example, the following command can be used to determine the current link parameters: RSCS QUERY LINKS NODE *nodeid* SHOW PARMF

## Destination

R, SCO

| **DMT180I** | **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.

## User response

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

| **DMT181I** | **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.

## User response

None.

## Destination

R, SCO

| **DMT182I** | **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.

## User response

None.

## Destination

R, SCO

| **DMT183I** | **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.

## User response

None.

## Destination

R, SCO

| **DMT184E** | **NAK received on TCP -- Link *linkid* deactivated** |
|---|---|

## Explanation

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

## System action

The link will be deactivated.

## User response

Attempt to restart the link, if appropriate. If the problem persists, start local diagnostic procedures.

## Destination

R, SCO

| | |
|---|---|
| **DMT185E** | **Link name mismatch -- Link *linkid* waiting** |

## 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 wait for a connect request.

## User response

Have the remote node or local configuration corrected as appropriate. If the remote node is VSE/POWER, there may be a mismatch with the TLS Cipher configuration if one or both sides have been configured as secure. If the problem persists, start local diagnostic procedures.

## Destination

R, SCO

| | |
|---|---|
| **DMT186E** | **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.

## User response

Attempt to restart the link, if appropriate. If the problem persists, start local diagnostic procedures.

## Destination

R, SCO

| | |
|---|---|
| **DMT187E** | **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.

## User response

Attempt to restart the link, if appropriate. If the problem persists, start local diagnostic procedures.

## Destination

R, SCO

| | |
|---|---|
| **DMT188E** | **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.

## User response

Attempt to restart the link, if appropriate. If the problem 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 *z/VM: TCP/IP Programmer's Reference*.

## Destination

R, SCO

---

**DMT189E**         **Session closed by peer -- link *linkid* terminated**

## Explanation

The remote host closed the connection.

## System action

The link will be deactivated.

## User response

Attempt to restart the link, if appropriate. If the problem persists, start local diagnostic procedures.

## Destination

R, SCO

---

**DMT190I**         **Socket error on link *linkid* (*description*) -- retrying**

## Explanation

A nonfatal 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.

## User response

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.

• For TCPNJE-type links defined with TLS encryption. If the error description indicates the SSL server is not available, please ensure the TCP/IP stack and SSL servers are initialized before starting such links.

## Destination

R, SCO

---

**DMT191I**         **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.

## User response

None; if the problem persists, start local diagnostic procedures. When attempting to connect to non-RSCS nodes with TCPNJE-type links defined with TLS encryption, also check the remote node console for error messages which may indicate the reason for the NAK control message.

## Destination

R, SCO

---

**DMT192E**         **IUCV Interrupt IPARML = *xxxxxxxx xxxxxxx xxxxxxx xxxxxxx - xxxxxxx xxxxxxxx xxxxxxx xxxxxxxx - xxxxxxx 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.

## User response

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

## Destination

R, SCO

---

**DMT193I**  **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.

## User response

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

---

**DMT194E**  **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.

## User response

Notify local RSCS support personnel.

## Destination

R, SCO

---

**DMT195E**  **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.

## User response

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

## Destination

R, SCO

---

**DMT196E**     **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.

## User response

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

## Destination

R, SCO

---

**DMT197E**     **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.

## User response

Notify local RSCS support personnel.

## Destination

R SCO

---

**DMT198E**     **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.

## User response

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

## Destination

R, SCO

---

**DMT199I**     **Link *linkid* IUCV connect error to TCPIP machine *userid* {not logged on | not running | SEVERed RSCS} -- retrying**

## Explanation

A nonfatal 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.

## User response

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

## Destination

R, SCO

---

**DMT200I**    **RSCS Networking Function Level** *nnn-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. *nnn* is the function level and *nnnn* is the service (RSU) level of the RSCS system.

## System action

Normal RSCS processing continues.

## User response

None.

## Destination

CO

---

**DMT201E**    **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.

## User response

Correct the command in question and reissue it.

## Destination

CO

---

**DMT202E**    **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.

## User response

Correct the command in question and reissue it. 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

---

**DMT203E**    **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 z/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.

## User response

Enter the command again, if it was incorrect.

## Destination

CO

---

**DMT204E**    **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.

## User response

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

## Destination

CO

---

**DMT205E**      **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.

## User response

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

## Destination

CO

---

**DMT206E**      **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.

## User response

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

## Destination

CO

---

**DMT207E**      **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.

## User response

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

## Destination

CO

---

**DMT208E**      **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.

## User response

Enter the command again, if it was incorrect.

## Destination

CO

---

**DMT209E**      **Restricted {command | option}** *ccccccc*

## 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.

## User response

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

---

**DMT210E**         **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.

## User response

Enter the command again, if it was incorrect.

## Destination

CO

---

**DMT211E**         **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.

## User response

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

## Destination

CO

---

**DMT212E**         **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.

## System action

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

## User response

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

## Destination

R, SCO

---

**DMT213I**         **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.

## User response

None.

## Destination

R

| **DMT214I** | **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.

## User response

None.

## Destination

R

| **DMT215I** | **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.

## User response

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

## Destination

R

| **DMT216E** | **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.

## User response

Start RSCS by using the RSCS INIT command; then, enter the desired command again.

## Destination

CO

| DMT217E | 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.

## User response

None.

## Destination

CO

| DMT218E | 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.

## User response

If the message was issued in response to a command, enter the command again. If the message was issued in response to an 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 z/VM directory.

## Destination

CO

| DMT219E | 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.

## User response

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

| DMT220E | 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.

## User response

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

**DMT221E**          **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.

## User response

None.

## Destination

CO

**DMT222E**          **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.

## User response

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

## Destination

CO

**DMT223E**          **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.

## User response

Do one of the following:

- 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

**DMT224E**          **Invalid port address *vaddr***

## Explanation

A 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.

## User response

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

## Destination

CO

**DMT225E**          **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.

## User response

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

## Destination

CO

**DMT226I**  **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.

## User response

None.

## Destination

CO

**DMT227I**  **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.

## User response

None.

## Destination

CO

**DMT228E**  **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.

## User response

None.

## Destination

CO

**DMT229E**  **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.

## User response

None.

## Destination

CO

**DMT230I**  **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.

## User response

None.

## Destination

CO

---

**DMT231I**          **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.

## User response

None.

## Destination

CO, ECO, R

---

**DMT232I**          **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.

## User response

None.

## Destination

CO, R

---

**DMT233I**          **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.

## User response

None.

## Destination

ECO, R

---

**DMT234I**          **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.

## User response

None.

## Destination

CO

---

**DMT235I**          **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.

## User response

None.

## Destination

CO

---

**DMT236I**          **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.

## User response

None.

## Destination

CO

| DMT237I | 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.

## User response

None.

## Destination

R

| DMT238E | 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.

## User response

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

## Destination

CO

| DMT240I | 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.

## User response

None.

## Destination

ECO, R

| DMT241E | 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.

## User response

None.

## Destination

ECO, R

| DMT242E | 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.

## User response

None.

## Destination

ECO, R

---

**DMT243E**    **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.

## User response

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

---

**DMT244I**    **Port *vaddr* logging deactivated**

## Explanation

This message is 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.

## User response

None.

## Destination

ECO, R

---

**DMT245E**    **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.

## User response

None.

## Destination

CP, ECO, R

---

**DMT246E**    **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.

## User response

None.

## Destination

ECO, R

---

**DMT247I**    **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.

## User response

None.

## Destination

R

---

**DMT253E**          **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.

## User response

None.

## Destination

CO

---

**DMT254E**          **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.

## User response

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

---

**DMT255E**          **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.

## User response

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

---

**DMT256E**          **Link *linkid* keyword *keyword* {missing | data invalid | not allowed} for file *fileid* -- file {purged | held}**

## 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 because it may not be printed where the user intended.

## System action

The file is purged, except when there is a DNS failure resolving the HOSTNAME= keyword. In this case, the file is held if the LPR link is defined to hold files on connect failures.

## User response

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

## Destination

R, SCO

| DMT257I | 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 START or NET START commands, those commands will fail and the resulting task will not be started.

## User response

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 the RSCS program directory.

## Destination

RO, SCO

| DMT258I | 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 requires a license to use.

## System action

The indicated link will not be started.

## User response

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 the RSCS program directory.

## Destination

RO, SCO

---

**DMT259E**      **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.

## System action

The indicated link will not be started.

## User response

If the indicated link is required, then it must be defined and attached to RSCS by the TCP/IP stack.

## Destination

RC, SCO

---

**DMT260E**      **Link *linkid* {TAG | CONNECT} 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.

## User response

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

---

**DMT261E**      **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.

## User response

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

## Destination

CO

---

**DMT262E**      **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 response

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

---

**DMT302E**      **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.

## User response

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

---

**DMT303E**          **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.

## User response

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

---

**DMT304E**          **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.

## User response

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

---

**DMT310E**          **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.

## User response

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

---

**DMT320E**          **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.

## User response

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

---

**DMT331E**       *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 response

Enter the MSG command again later.

## Destination

CO

---

**DMT332E**       *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 response

Enter the MSG command again later.

## Destination

CO

---

**DMT333I**       **Message for** *locido* (*userido*)
                  **rerouted to** *locid* (*userid*)

## Explanation

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

## System action

The message is transmitted to its new destination.

## User response

None.

## Destination

CO

---

**DMT334I**       **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.

## User response

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

| | |
|---|---|
| **DMT335I** | **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.

## User response

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

| | |
|---|---|
| **DMT336I** | **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 response

None.

## Destination

CO

| | |
|---|---|
| **DMT341E** | **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 response

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

## Destination

CO

| | |
|---|---|
| **DMT342E** | **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 response

Determine the file that is owned, and reissue the command.

## Destination

CO

| | |
|---|---|
| **DMT345E** | **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.

## User response

Check to see if the correct destination identifier was specified. If it was not, specify the correct destination identifier and reissue the command.

## Destination

CO

---

**DMT346E**  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.

## User response

Check to see if the correct destination identifier was specified. If it was not, specify the correct destination identifier and reissue the command.

## Destination

CO

---

**DMT347I**  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 identifiers, and normal RSCS processing continues.

## User response

None.

## Destination

CO

---

**DMT348I**  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 identifiers, and normal RSCS processing continues.

## User response

None.

## Destination

CO

---

**DMT401E**  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.

## User response

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

## Destination

R

---

**DMT402I**  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 z/VM system was generated.

## System action

Normal processing continues.

## User response

None.

**Destination**

R

| DMT403W | 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.

## User response

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

## Destination

R

| DMT404E | 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.

## User response

Remove or correct the erroneous TOLERANCE statement.

## Destination

R

| DMT405I | 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.

## User response

None.

## Destination

R

| DMT406I | 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.

## User response

None.

## Destination

R

| DMT407E | 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 z/VM system was generated.

## User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

---

**DMT408E**        **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.

## User response

Correct the hide character and restart RSCS.

## Destination

R

---

**DMT409E**        **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.

## User response

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

## Destination

CO, R

---

**DMT410E**        **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.

## User response

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

## Destination

CO, R

---

**DMT419E**        **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.

## User response

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

---

**DMT420E**        **Unable to process file with ddname *ddname* -- 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.

## User response

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

| DMT424E | 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.

## User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

| DMT425E | 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.

## User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

| DMT428E | 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.

## User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

| DMT430E | 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.

## User response

Notify local RSCS support personnel to correct the incorrect statement.

## Destination

R

| DMT431I | 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.

## User response

None.

## Destination

CO

| DMT432E | 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.

## User response

Notify local RSCS support personnel to correct the incorrect statement.

## Destination

R

| DMT433E | 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.

## User response

Notify local RSCS support personnel to correct the incorrect statement.

## Destination

R

| DMT434E | *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.

## User response

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

## Destination

R

---

**DMT435I**      **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.

## User response

None.

## Destination

CO

---

**DMT436E**      **Invalid number of shadows**
                        *nnnnnn* **specified**

## Explanation

The SHADOWS statement specified an invalid number of tag shadows.

## System action

The statement is ignored, and normal processing continues.

## User response

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

---

**DMT437E**      **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.

## User response

To verify the allowed range of values for the SIZE *nnn* keyword, see *z/VM: RSCS Networking Planning and Configuration* for information on the ITRACE configuration file statement, and see *z/VM: RSCS Networking Operation and Use* 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

---

**DMT438W**      **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 four 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.

## User response

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. See *z/VM: RSCS Networking Operation and Use* for more information on the ITRACE OFF command with the PURGE option. If the problem persists, notify local RSCS support personnel.

## Destination

R

**DMT439T**      **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.

## User response

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

**DMT440W**      **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 four 4K pages of storage for the table.

## System action

The command or statement is ignored.

## User response

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 *z/VM: RSCS Networking Operation and Use* for more information about the ITRACE OFF command with the PURGE option.

## Destination

R

**DMT441I**      **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.

## User response

No response is necessary. See *z/VM: RSCS Networking Operation and Use* for more information on the ITRACE OFF command with the PURGE option, if necessary.

## Destination

R

**DMT444I**      **<<<<<< 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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

**Destination**

CO

| DMT445I | <<<<<< 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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

**System action**

None.

**Destination**

CO

| DMT446I | <<<<<< 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 *z/VM: RSCS*

*Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

**System action**

None.

**Destination**

CO

| DMT447I | 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.

**User response**

None.

**Destination**

R

| DMT448I | 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.

**User response**

None.

**Destination**

CO

**DMT449E          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.

## User response

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

## Destination

R

**DMT450E          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.

## User response

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

## Destination

R

**DMT451E          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.

## User response

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

## Destination

R

**DMT452E          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.

## User response

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

## Destination

R

**DMT453E          {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.

## User response

Remove the duplicate statement from the configuration file.

## Destination

R

**DMT454E**          **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.

## User response

Notify local RSCS support personnel to update the RSCS configuration file to contain a single valid statement.

## Destination

R

**DMT455E**          **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.

## User response

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

**DMT456E**          **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.

## User response

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

**DMT457E**          **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.

## User response

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

---

**DMT459E        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.

## User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

---

**DMT460E        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.

## User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

---

**DMT463E        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:

| | | |
|---|---|---|
| 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.

## User response

Notify local RSCS support personnel to update the RSCS configuration file with the valid link driver type desired by the installation.

## Destination

R

---

**DMT464E        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.

## User response

Notify local RSCS support personnel to update the RSCS configuration file to contain the valid port address desired by the installation.

## Destination

R

| DMT466E | 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.

## User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

| DMT467E | 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.

## User response

Choose a different symbolic driver name on the LINKTYPE statement and restart RSCS.

## Destination

R

| DMT469E | 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.

## User response

Correct the entry point name on the LINKTYPE statement, and restart RSCS.

## Destination

R

| DMT472E | 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.

## User response

Notify the z/VM system programmer to update the RSCS virtual machine definition, or notify local RSCS support personnel to remove the MSGNOH control statement from the RSCS configuration file.

## Destination

R

**DMT473E**          **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.

### User response

Notify local RSCS support personnel to update the RSCS configuration file to contain the valid authorization entries desired by the installation.

## Destination

R

**DMT475E**          **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.

### User response

Notify local RSCS support personnel to update the RSCS configuration file to contain the valid authorization control statements desired by the installation.

## Destination

R

**DMT476E**          **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.

### User response

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

**DMT478E**          **Invalid LUNAME specification**

### Explanation

During RSCS initialization processing, the RSCS configuration file contained a LINK or LINKDEFINE statement with an 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.

### User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

**DMT479E**          **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.

## User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

| **DMT480E** | **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.

## User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

| **DMT481E** | **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.

## User response

Correct the value specified on the SLOWDOWN parameter and reinitialize RSCS, or reissue the DEFINE command.

## Destination

CO, R

| **DMT483E** | **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.

## User response

Notify local RSCS support personnel to correct the invalid entry.

## Destination

R

| **DMT484E** | **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.

## User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

---

**DMT486E**          **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.

## User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

---

**DMT487E**          **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.

## User response

Notify local RSCS support personnel to correct the invalid statement.

## Destination

R

---

**DMT488E**          **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.

## User response

Notify local RSCS personnel to correct the invalid statement.

## Destination

R

---

**DMT489E**          **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.

## User response

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

---

**DMT490E**          **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.

## User response

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

| DMT491E | 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.

## User response

Notify local RSCS support personnel.

## Destination

R

| DMT492E | 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.

## User response

Notify local RSCS support personnel.

## Destination

R

| DMT493T | 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 z/VM system was generated.

## System action

RSCS initialization ends.

## User response

Specify a name on the LOCAL configuration file statement, or notify local RSCS and z/VM support personnel to update the system ID value.

## Destination

R

---

**DMT494T**    **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.

## User response

Notify local RSCS or z/VM support personnel to specify a valid name on the LOCAL configuration file statement.

## Destination

R

---

**DMT495T**    **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.

## User response

- Redefine the RSCS virtual machine size to a larger size by using the CP DEFINE command.
- ReIPL GCS.
- Reinitialize RSCS.

Notify the z/VM system programmer to increase the storage allocated to the RSCS virtual machine in the z/VM directory.

## Destination

R

**DMT496E**    **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.

## User response

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

---

**DMT497E**    **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.

## User response

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

---

**DMT498E**     **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.

## User response

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

---

**DMT499E**     **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.

## User response

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

---

**DMT500I**     *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.

## User response

None.

## Destination

R, SCO

---

**DMT501W**     **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 RSCS virtual machine definition) 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 the virtual machine definition) to use Diagnose code X'F8', it issues this warning message. RSCS initialization continues and the Secure Origin ID support is not invoked.

## User response

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

| DMT502T | 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 RSCS virtual machine definition) to use Diagnose code X'F8'.

## System action

RSCS initialization ends.

## User response

Notify the system support personnel.

## Destination

R

| DMT504E | 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 code X'F8' subcode X'00' only). RC=*rc* is the hexadecimal return code from the Diagnose code 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.

## User response

Notify the system support personnel.

## Destination

R

| DMT510I | 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.

## User response

None.

## Destination

CO

| DMT511E | 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.

## User response

Enter the command again, if it was entered in error.

## Destination

CO

---

**DMT520I**  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.

## User response

None.

## Destination

CO, R

---

**DMT521I**  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.

## User response

None.

## Destination

CO, R

---

**DMT522I**  *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.

## User response

None.

## Destination

CO, R

---

**DMT523I**  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.

## User response

None.

## Destination

CO, R

---

**DMT524E**  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.

## User response

If desired, deactivate the file by a FLUSH *linkid spoolid* HOLD command, and enter the preceding command again.

## Destination

CO, R

| DMT525E | 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.

## User response

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

| DMT526E | 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.

## User response

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

| DMT528E | 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 reIPLed), 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.

## User response

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

| DMT529E | 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.

## User response

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

| | |
|---|---|
| **DMT531E** | **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 *z/VM: RSCS Networking Operation and Use*.

## System action

Normal RSCS processing continues.

## User response

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

| | |
|---|---|
| **DMT540I** | **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.

## User response

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

| | |
|---|---|
| **DMT541I** | **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.

## User response

None.

## Destination

CO, R

| | |
|---|---|
| **DMT542E** | **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.

## User response

Enter the command again after the link has been deactivated.

## Destination

CO

---

**DMT550I**   **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.

## User response

None.

## Destination

CO, R

---

**DMT551E**   **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.

## User response

Enter the command again after the link has been deactivated.

## Destination

CO

---

---

**DMT552E**   **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.

## User response

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

---

**DMT553E**   **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.

## User response

None.

## Destination

CO

---

**DMT554E**   **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.

## User response

None.

## Destination

CO

---

**DMT555E**     **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.

## User response

None.

## Destination

CO

---

**DMT556E**     **{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.

## User response

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

---

**DMT557E**     **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.

## User response

Use the DEFINE command to change the fanout link to another link, and reissue the DELETE command.

## Destination

CO

---

**DMT558E**     **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.

## User response

Remove the slowdown specification from LINKDEFINE statement or DEFINE command, and reinitialize RSCS or reissue the DEFINE command.

## Destination

CO, R

---

**DMT559E**     **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.

## User response

Correct the error in the specified UPARM text and reissue the DEFINE command.

## Destination

CO

| DMT560I | 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 z/VM message function.

## System action

RSCS continues processing normally without a main operator console.

## User response

None.

## Destination

CO, R

| DMT561E | 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.

## User response

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

| DMT562I | 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.

## User response

None.

## Destination

CO, R

| DMT563E | 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.

## User response

None.

## Destination

CO, R

| DMT564E | RSCS Networking already reconnected |
|---|---|

## Explanation

RSCS Networking was already reconnected and cannot be reconnected.

## System action

The command is ignored. Normal RSCS processing continues.

## User response

None.

## Destination

CO

---

**DMT570I**     **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.

## User response

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

---

**DMT571E**     **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.

## User response

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

---

**DMT580I**     **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.

## User response

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 *fcbname* 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

| DMT581E | 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.

## User response

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

| DMT590I | 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.

## User response

None.

## Destination

CO, R

| DMT591E | 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.

## User response

None.

## Destination

CO, R

| DMT598I | 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.

## User response

None.

## Destination

R

| | |
|---|---|
| **DMT599W** | **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 DMT598I 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.

## User response

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 though 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

| | |
|---|---|
| **DMT600I** | **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.

## User response

None.

## Destination

CO

| | |
|---|---|
| **DMT601E** | ***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.

## User response

None.

## Destination

CO

| | |
|---|---|
| **DMT602E** | ***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.

## User response

None.

## Destination

CO

---

**DMT603I**  *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.

## User response

None.

## Destination

CO

---

**DMT604I**  *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.

## User response

None.

## Destination

CO

---

**DMT605E**  *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.

## User response

None.

## Destination

CO

---

**DMT606E**  *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.

## User response

None.

## Destination

CO

---

**DMT607I**  *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.

## User response

None.

## Destination

CO

**DMT608E**      *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.

## User response

None.

## Destination

CO

---

**DMT609I**      *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.

## User response

None.

## Destination

CO

---

**DMT610I**      **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.

## User response

None.

## Destination

CO, R

---

**DMT611I**      **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.

## User response

None.

## Destination

CO, R

---

**DMT612E**      **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.

## User response

None.

## Destination

CO, R

| DMT613I | 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.

## User response

None.

## Destination

CO

| DMT614I | *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.

## User response

None.

## Destination

CO

| DMT615I | *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.

## User response

None.

## Destination

CO

| DMT616E | 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.

## User response

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

| DMT617I | 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.

## User response

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

| DMT618I | <<<<<< Columnar Message >>>>>> |
|---|---|

## Explanation

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

• Query System SET.

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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

| DMT619I | Message exceeded maximum length -- column(s) truncated |
|---|---|

## Explanation

This message is issued after the DMT620I 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.

## User response

Reduce the number of options after the SHOW keyword, and issue the QUERY command again.

## Destination

CO

| DMT620I | *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.

## User response

None.

## Destination

CO

| DMT621E | 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.

## User response

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

| DMT622I | <<<<<< Columnar Message >>>>>> |
|---|---|

## Explanation

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

- Query System SETMsg DISPlay *nnn*.

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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

| DMT623I | <<<<<< 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.

For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

| DMT625I | 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.

## User response

None.

## Destination

CO

---

**DMT626I**        <<<<<< 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.

For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

---

**DMT627E**        **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, DMT626I, DMT628I, or DMT629I 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.

## User response

None.

## Destination

CO

---

**DMT628I**        **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, DMT626I, DMT627I, or DMT629I 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.

## User response

None.

## Destination

CO, R

---

**DMT630I**        <<<<<< 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.

For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## Destination

CO

---

**DMT631I**　　　　<<<<<< 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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar

messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

---

**DMT632I**　　　　<<<<<< 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.

For more information about issuing commands that generate columnar messages and examples of what columnar messages look like, see *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

---

**DMT633E**　　　　**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.

## User response

None.

## Destination

CO

---

**DMT635I**        **<<<<<< 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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

---

**DMT636I**        **<<<<<< 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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

---

**DMT637E**        **{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.

## User response

Enter the command again, if it was entered in error.

## Destination

CO

| DMT638E | **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.

## User response

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

| DMT639I | **<<<<<< Columnar Message >>>>>>** |
|---|---|

## Explanation

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

• Query GRoup *groupid* Nodes.

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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

| DMT640I | ***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.

## User response

None.

## Destination

CO, R

| DMT641I | **<<<<<< Columnar Message >>>>>>** |
|---|---|

## Explanation

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

• Query GRoup *groupid* GRoups.

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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

| **DMT642I** | <<<<<< Columnar Message >>>>>> |
|---|---|

## Explanation

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

- Query System SCHedule.

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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

| **DMT643I** | 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.

## User response

None.

## Destination

CO

| **DMT644E** | 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.

## User response

Contact the support personnel at your installation and ask them to define a list processor link.

## Destination

FO, R

| **DMT645I** | *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 reenqueued to their new destination by a file queue reorder performed by TRANSFER command processing.

## User response

None.

## Destination

CO, R

| **DMT646E** | 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.

## User response

None.

## Destination

CO

---

**DMT647E**     **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.

## User response

None.

## Destination

CO

---

**DMT653I**     **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**
>   indicates 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.

## User response

None.

## Destination

CO

---

**DMT654I**     **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 link driver associated with the *linkid* 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 link driver associated with the *linkid* 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 link driver associated with the *linkid* is operational and capable of transmitting and receiving files, messages, and commands.

*active*
> indicates that the link driver associated with the *linkid* is operational, but the necessary initialization sequences have not yet been completed. For example, if the remote device is a workstation 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 workstation or system to transmit a SIGNON record.

*retry-wait*
> the link driver associated with the *linkid* is waiting for a time period to finish before starting again.

*dial-queue*
> the link driver associated with the *linkid* 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 link driver associated with the *linkid* 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 link driver associated with the *linkid* 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 (DMT659I) is issued for each file accepted and enqueued on the link, describing the status of each such file.

## User response

None.

## Destination

CO

---

**DMT659I**        **<<<<<< 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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

---

**DMT664E**      **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.

## User response

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

---

**DMT665I**      **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.

## User response

None.

## Destination

CO

---

**DMT667I**      **<<<<<< Columnar Message >>>>>>**

## Explanation

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

- Query System REroutes.

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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

---

**DMT672I**      **No node defined**

## Explanation

This message is issued in response to a QUERY SYSTEM NODES command when no nodes have been defined.

## System action

Normal RSCS processing continues.

## User response

None.

## Destination

CO

**DMT673I**             **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.

## User response

None.

## Destination

CO

**DMT674I**            **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.

## User response

None.

## Destination

CO

**DMT675E**            **File *filename* GCS not found -- exec not executed**

## Explanation

This message is 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.

## User response

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

**DMT677I**            **<<<<<< 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.

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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

| DMT678I | <<<<<< Columnar Message >>>>>> |
|---------|-------------------------------|

## Explanation

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

• Query System Counts.

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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

| DMT680I | {Messages │ Files │ All │ Not received messages │ Commands} for *locido* (*userido*) now rerouted to *locid* (*userid*) |
|---------|-----|

## Explanation

This message is 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**
>  indicates everything (files and messages) is being rerouted.

**Files**
>  indicates files only (not messages) are being rerouted.

**Messages**
>  indicates messages only (not files) are being rerouted.

**Not received messages**
>  indicates 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* (*userido*)
>  is the original destination and recipient of the files or messages.

*locid* (*userid*)
>  is the new destination and recipient of the files or messages.

## User response

None.

## Destination

CO

| DMT681I | {Messages │ Files │ All │ Not received messages │ Commands} 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.

## User response

None.

## Destination

CO

---

**DMT682I**       **No reroutes in effect**

## Explanation

This message is 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.

## User response

None.

## Destination

CO

---

**DMT683E**       **Reroute not in effect**

## Explanation

This message is 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.

## User response

Enter the command again correctly.

## Destination

CO

---

**DMT685E**       **Reroute already in effect for *locid* (*userid*)**

## Explanation

This message is 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.

## User response

Enter the REROUTE commands again in the correct order.

## Destination

CO

---

**DMT686E**       **Invalid reroute specification**

## Explanation

This message is 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.

## User response

Enter the command again correctly.

## Destination

CO

---

**DMT687I**       **<<<<<< Columnar Message >>>>>>**

## Explanation

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

- Query System Dest.

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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

---

**DMT688I**        **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.

## User response

None.

## Destination

CO

---

**DMT689I**        **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.

## User response

None.

## Destination

CO

---

**DMT691I**        **Shift is set to *n***

## Explanation

This message is issued in response to QUERY SYSTEM SHIFT.

## System action

Normal RSCS processing continues.

## User response

None.

## Destination

CO, R

---

**DMT692E**        **No exit routines loaded**

## Explanation

This message is issued in response to an RSCS EXIT command, but no exit routines had been loaded for any exits.

## System action

The command is ignored, and normal processing continues.

## User response

None.

## Destination

CO

---

**DMT692I**        **No exit routines loaded**

## Explanation

This message is issued in response to a QUERY SYSTEM EXITS command, but no exit routines had been loaded for any exits.

## System action

Normal processing continues.

## User response

None.

## Destination

CO

| | |
|---|---|
| **DMT693I** | **{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.

## User response

None.

## Destination

CO, R

| | |
|---|---|
| **DMT694E** | **{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.

## User response

None.

## Destination

CO, R

| | |
|---|---|
| **DMT695I** | *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.

## User response

None.

## Destination

CO

| | |
|---|---|
| **DMT696I** | **<<<<<< 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 *z/VM: RSCS Networking Operation and Use*. For more information about tailoring columnar messages to meet your specific needs, see Chapter 8, "Creating Columnar Messages," on page 203. For more information about deciphering language-independent columnar messages, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## System action

None.

## Destination

CO

| | |
|---|---|
| **DMT697I** | **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.

## User response

None.

## Destination

CO

| DMT698I | Slowdown start = *nnnn*, stop = *nnnn* |
|---|---|

## Explanation

Issued in response to QUERY SYSTEM SLOWDOWN command.

## System action

Normal processing continues.

## User response

None.

## Destination

CO

| DMT699I | 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.

## User response

None.

## Destination

CO

| DMT700I | Activating link *linkid type* line = *vaddr* class = *class* {queueing = priority \| queueing = size \| queueing = FIFO} |
|---|---|

## Explanation

Issued when a link is being activated.

*type*
   is 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*
   is 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.

## User response

None.

## Destination

CO, R

---

**DMT701E**      **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.

## User response

Enter the command again with a specified line port address, or enter it when a common switched line port becomes available.

## Destination

CO

---

**DMT702E**      **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.

## User response

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

---

**DMT703E**      **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.

## User response

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

---

**DMT704E**      **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.

## User response

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

---

**DMT705E**      **Link type not defined -- link *linkid* not activated**

## Explanation

This message is 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.

## User response

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

---

**DMT706E**      **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, the command is ignored, and normal processing continues.

## User response

None.

## Destination

CO

---

**DMT707I**      **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*
    is the name of the link type of the activated link

**class**
    is 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.

## User response

None.

## Destination

R, SCO

---

**DMT708E**      **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.

## User response

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 z/VM system programmer to allocate more storage for the RSCS virtual machine in the z/VM directory.

## Destination

CO, R

| DMT709E | 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.

## User response

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

| DMT711E | Device *vaddr* is incompatible type -- link *linkid* not activated |
|---------|--------------------------------------------------------------------|

## Explanation

This message is 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.

## User response

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

| DMT712E | Command rejected -- device *vaddr* is reserved |
|---------|------------------------------------------------|

## Explanation

This message is 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.

## User response

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

| DMT713E | Command rejected -- LUNAME *luname* already specified for link *linkid* |
|---------|------------------------------------------------------------------------|

## Explanation

This message is 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.

## User response

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

---

**DMT714E**        **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.

## User response

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

---

**DMT716E**        **Channel skip *ch* detected in file *spoolid* on link *linkid* is not defined for FCB name *fcbname***

## Explanation

An SNA3270P or TN3270E printer link driver, started with the FCB=*fcbname* 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.

## User response

Three options are available:

- Use the RSCS CHANGE command (by using SMSG) to change the *fcbname* for the file.
- Stop the link and restart it, specifying FCB=IGNORE (the default).
- Purge the file using the RSCS PURGE command (by using SMSG).

## Destination

FO, R, RS

---

**DMT717E**        **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.

## User response

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

---

**DMT718W**        **Duplicate line specifications in FCB statement for FCB name *fcbname* -- 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, and normal processing continues.

## User response

Correct the error in the RSCS configuration file.

## Destination

R

---

**DMT719W**          **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.

## User response

Correct the configuration file statement and reinitialize RSCS, or reissue the command with a valid FCB name.

## Destination

R, CO

---

**DMT720W**          **FCB name *fcbname* 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 can occur when the LINKDEFINE statement precedes the FCB statement that defines the FCB image referred to by the LINKDEFINE statement. An FCB statement must precede any LINKDEFINE statements that refer to the *fcbname* it defines.

## System action

The statement or command is ignored.

## User response

Correct the problem in the configuration file and reinitialize RSCS.

## Destination

R, RS

---

**DMT721W**          **Command rejected -- FCB name *fcbname* 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 *fcbname* specified on the DEFINE or START command.

## System action

The command is ignored.

## User response

Verify that the *fcbname* 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 *fcbname* specified on the DEFINE or START command is incorrect, issue the command again and specify the correct *fcbname*.

## Destination

CO, R

---

**DMT738I**          ***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.

## User response

None.

## Destination

CO

---

**DMT739I**          **No groups defined**

## Explanation

This message is issued in response to a QUERY SYSTEM GROUPS command when no groups have been defined.

## System action

Normal RSCS processing continues.

## User response

None.

## Destination

CO

---

**DMT740I**  {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.

## User response

None.

## Destination

CO, R

---

**DMT741I**  {Node | Group} *id* **added to group** *groupid*

## Explanation

This message is 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.

## User response

None.

## Destination

CO

---

**DMT742I**  **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.

## User response

None.

## Destination

CO, R

---

**DMT743E**  **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 routing group that is not empty. 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.

## User response

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

---

**DMT744E**  **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.

## User response

Remove the duplicate *linkid* from the ROUTE command or statement. Reissue the command or reinitialize RSCS to pick up the correction.

## Destination

CO

---

**DMT745I**      **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.

## User response

None.

## Destination

CO, R

---

**DMT746I**      **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.

## User response

None.

## Destination

CO

---

**DMT747I**      **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.

## User response

None.

## Destination

CO

---

**DMT748I**      **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.

## User response

None.

## Destination

CO

---

**DMT749I**      **Group *groupid* is a root group**

## Explanation

This message is 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.

## User response

None.

## Destination

CO

---

**DMT750E**      **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.

## User response

None.

## Destination

CO, R

---

**DMT751I**      **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.

## User response

None.

## Destination

CO, R

---

**DMT752I**      **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.

## User response

None.

## Destination

CO, R

---

**DMT753E**      **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.

## User response

None.

## Destination

CO

---

**DMT754E**      **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.

## User response

None.

## Destination

CO

| DMT755E | 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.

## User response

Start the interface using the RSCS NETWORK START command.

## Destination

CO

| DMT756E | 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.

## User response

None.

## Destination

CO

| DMT760E | 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.

## User response

None.

## Destination

CO

| DMT761E | 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.

## User response

None.

## Destination

CO

| DMT770I | 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.

## User response

None.

## Destination

NCO, R

---

**DMT771I**       **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.

## User response

None.

## Destination

NCO, R

---

**DMT772I**       **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.

## User response

None.

## Destination

NCO, R

---

**DMT773I**       **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.

## User response

None.

## Destination

NCO, R

---

**DMT774I**       **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.

## User response

None.

## Destination

CO

---

**DMT775I**       **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.

## User response

None.

## Destination

CO

---

**DMT776E**       **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.

## User response

None.

## Destination

CO

---

**DMT777E**          **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.

## User response

None.

## Destination

CO

---

**DMT778I**          **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.

## User response

None.

## Destination

CO, R

---

**DMT779I**          **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.

## User response

None.

## Destination

CO, R

---

**DMT780I**          **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.

## User response

None.

## Destination

CO, R

---

**DMT781I**          **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.

## User response

None.

## Destination

CO, R

---

**DMT782E**    **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.

## User response

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

---

**DMT801I**    **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.

## User response

None.

## Destination

CO, R

---

**DMT802I**    **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.

## User response

None.

## Destination

CO, R

---

**DMT804E**    **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.

## User response

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

---

**DMT805E**    **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.

## User response

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

| DMT806E | 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.

## User response

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

| DMT807E | 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.

## User response

Review the possible settings and correct combinations for the FEATURE and TRANS parameters in either *z/VM: RSCS Networking Operation and Use* or *z/VM: RSCS Networking Planning and Configuration*. Then, specify the correct settings and restart the link.

## Destination

SCO, RSCS

| DMT808I | 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 two 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.

## User response

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

| DMT809I | Link *linkid* logging mode redefined |
|---|---|

## Explanation

This message is 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.

## User response

None.

## Destination

R, SCO

---

**DMT810E**          **Link *linkid* logging already active**

## Explanation

This message is 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.

## User response

None.

## Destination

CO

---

**DMT811E**          **Link *linkid* logging not active**

## Explanation

This message is 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.

## User response

None.

## Destination

CO

---

**DMT812I**          **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 an 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.

## User response

Correct the errors in the file and resubmit the file for processing.

## Destination

FO

---

**DMT814E**        **Link *linkid* TAPARM specification not allowed**

## Explanation

This message is 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.

## User response

Enter the START command again, specifying correct PARM operands.

## Destination

R, SCO

---

**DMT815E**        **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.

## User response

Enter the START command again, specifying a correct PARM TAPARM operand.

## Destination

R, SCO

---

**DMT816E**        **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, and normal processing continues.

## User response

Enter the START command again, specifying a correct PARM STREAMS operand.

## Destination

R, SCO

---

**DMT817E**        **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, and normal processing continues.

## User response

Enter the START command again, specifying a correct PARM TA operand.

## Destination

R, SCO

---

**DMT818E**        **Link *linkid* EPARM specification not allowed**

## Explanation

This message is 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.

## User response

Enter the START command again, specifying correct PARM operands.

## Destination

R, SCO

---

**DMT819E**      **Link *linkid* EPARM specification invalid**

## Explanation

This message is 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.

## User response

Enter the START command again, specifying correct PARM operands.

## Destination

R, SCO

---

**DMT820E**      **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, and normal processing continues.

## User response

Enter the START command again, specifying correct PARM operands.

## Destination

R, SCO

---

**DMT821E**      **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.

## User response

Enter the START command again, specifying correct PARM operands.

## Destination

R, SCO

---

**DMT822I**      **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.

## User response

None.

## Destination

R, SCO

---

**DMT823E**      **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.

## User response

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

| | |
|---|---|
| **DMT824E** | **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.

## User response

Restart the link. If the error persists, notify the local RSCS support personnel.

## Destination

R, SCO

| | |
|---|---|
| **DMT825E** | **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.

## User response

Correct the address contained at the beginning of the exit; then, restart the link.

## Destination

R, SCO

| | |
|---|---|
| **DMT830E** | **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.

## User response

Reexamine the message file template, and restart the NOTIFY link.

## Destination

R, SCO

| | |
|---|---|
| **DMT831I** | **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.

## User response

None.

**Destination**

R

**DMT832I**      **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.

## User response

None.

## Destination

R

**DMT833E**      **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.

## User response

Reexamine the message file template and restart the NOTIFY link.

## Destination

R, SCO

**DMT834I**      **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.

## User response

None.

## Destination

FO, R

**DMT880E**      **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.

## User response

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

**DMT881I**      **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.

## User response

None.

## Destination

CO, R

---

**DMT882I**　　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.

### User response

None.

### Destination

CO, R

---

**DMT883I**　　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.

### User response

None.

### Destination

CO, R

---

**DMT884I**　　{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.

## User response

None.

## Destination

CO, R

---

**DMT885E**　　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.

### User response

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

---

**DMT886E**　　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.

## User response

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

| DMT887E | 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.

## User response

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

| DMT888I | 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 configuration file or from a SCHEDULE command.

## System action

RSCS executes the command, and normal processing continues.

## User response

None.

## Destination

CO, P, R

| DMT889I | 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.

## User response

None.

## Destination

CO, R

| DMT890I | 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.

## User response

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

| DMT891I | 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.

## User response

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

---

**DMT892I**       **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 event manager 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.

## User response

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

---

**DMT893I**       **Link counters for link** *linkid* **reset**

## Explanation

This message is 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.

## User response

None.

## Destination

CO

---

**DMT894I**       **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.

## User response

None.

## Destination

CO

---

**DMT901E**       **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 workstation link, but the mode (as indicated by the PARM keyword SYSTEM option) was not specified.

## System action

The specified link is deactivated.

## User response

Enter the START command again, specifying a valid mode. If the problem persists, notify local RSCS support personnel.

## Destination

R, SCO

---

**DMT902E**       **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.

## User response

Correct any errors present on the signon card, and try the signon procedure again.

## Destination

R, RS, SCO

| | |
|---|---|
| **DMT903E** | **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.

## User response

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

| | |
|---|---|
| **DMT904E** | **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.

## User response

Correct any errors present on the signon card, and try the signon procedure again.

## Destination

R, RS

| | |
|---|---|
| **DMT905I** | **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.

## User response

None.

## Destination

R, RS, SCO

| | |
|---|---|
| **DMT906I** | **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.

## User response

None.

## Destination

R, RS, SCO

| | |
|---|---|
| **DMT907E** | **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.

## User response

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

| | |
|---|---|
| **DMT908E** | **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.

## User response

Notify local RSCS support personnel to modify the operation parameters (PARM options) for the link to include a phone number.

## Destination

R

| | |
|---|---|
| **DMT909I** | **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.

## User response

None.

## Destination

R, SCO

| | |
|---|---|
| **DMT910E** | **Invalid parameter** *parm* **on tag -- parameter ignored** |

## Explanation

In the scanning of the 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 response

If the default parameter value is not acceptable, resubmit the file with a correct tag.

## Destination

FO

| | |
|---|---|
| **DMT911E** | **The PRT=***option* **option for file** *spoolid* (*orgid*) **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.

## User response

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 and TN3270E-type links in *z/VM: RSCS Networking Operation and Use* or *z/VM: RSCS Networking Planning and Configuration*. 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

| DMT912E | 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 response

Send the file again without multiple data sets or to the correct destination.

## Destination

FO, R

| DMT913E | 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.

## User response

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

| DMT914E | 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.

## User response

Notify system support personnel at the remote location. If the problem persists, notify local RSCS support personnel.

## Destination

R, SCO

| DMT915I | 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'C0'**
> Shutdown (SHUTD)

**X'C1'**
> Shutdown complete (SHUTC)

**X'C2'**
> Request shutdown (RSHUTD).

For more information about these request codes, see *VTAM: Programming*.

## 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.

## User response

None.

## Destination

R, SCO

| DMT916E | 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.

## User response

Notify local RSCS support personnel.

## Destination

R, SCO

| DMT917E | 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 response

Determine the incorrect distribution list entry submitted to the list processor link, and resend the file to the correct destination.

## Destination

FO, R

| DMT918W | 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 response

If the file is to be submitted again, correct the distribution list entry.

## Destination

FO, R

| DMT919E | 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 response

Resend the file without spanned records in the distribution list.

## Destination

FO, R

| DMT920E | 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.

## User response

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

| DMT921I | 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.

## User response

Enter a HOLD command, then enter a FLUSH command with any option desired for the file. When the file is purged or reenqueued, 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).

| DMT922I | 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.

## User response

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).

---

**DMT923E**          **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.

## User response

Enter the HOLD command, then the FLUSH command with any option desired. When the file is purged or reenqueued, the link can be drained or restarted. If I/O errors persist, call your local customer engineer.

## Destination

R, SCO

---

**DMT924E**          **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.

## User response

If I/O errors persist, call your local customer engineer.

## Destination

R, SCO

---

**DMT925E**          **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 response

Notify your local RSCS support personnel.

## Destination

FO, R

---

**DMT926E**          **File *spoolid* (*origid*) not sent on link *linkid* -- reason***

## Explanation

The file was 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 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 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.

## User response

None.

## Destination

FO

| DMT927E | 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.

## User response

None.

## Destination

R, RS

| DMT928E | 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.

## User response

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

| DMT929E | 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.

## User response

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

---

**DMT930E**     **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:

**08*xx* 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.

**0C*xx* 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.

**10*xx* 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.

**14*xx* 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.

**18*xx* 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.

**1C*xx* datastream error**
> The remote system would not accept the file format.

**20*xx* 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.

## User response

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

| DMT931E | 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.

## User response

Notify local RSCS support personnel.

## Destination

R, SCO

| DMT932E | 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.

## User response

Restart the link. If the problem persists, notify local RSCS support personnel.

## Destination

R, RS, SCO

| DMT933E | 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 *z/VM: RSCS Networking Diagnosis*.

## System action

Permission to send that stream to the other system is denied.

## User response

None. The other system will decide if it should attempt to transmit the stream again at a later time.

## Destination

R, RS, SCO

| DMT934E | 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.

## User response

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

| DMT935E | 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 workstation submitting jobs to a remote batch system. When operating in this mode, print files cannot be transmitted.

## System action

The specified file is purged.

## User response

None.

## Destination

FO, R

| DMT936E | 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.

## User response

None.

## Destination

FO, R

| DMT937E | 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.

## User response

Retry. If the error recurs, notify local RSCS support personnel.

## Destination

R, RS, SCO

| DMT938E | 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 z/VSE® system.

If *origid* is set to 0, the file may have originated on a non-z/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 DMT956E is also issued.

## User response

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

| DMT939E | 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 *reason*s 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.

## User response

None.

## Destination

R, RS, SCO

| DMT940E | 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.

## System action

Processing on this file continues, but none of the information in the XAB is transmitted to the destination node.

## User response

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

---

**DMT941I**      **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.

## User response

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

---

**DMT942E**      **NAK threshold reached on link *linkid* -- link being deactivated**

## Explanation

Twenty (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.

## User response

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 timeout 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 timeout, 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

---

**DMT943E**      **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.

## User response

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

---

**DMT944E**      **{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.

## User response

If the message or command should not have been rejected, contact the system 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

| | |
|---|---|
| **DMT945E** | **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:

**08*xx* 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.

**0C*xx* 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.

**10*xx* 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.

**14*xx* 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.

**18*xx* 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.

**1C*xx* datastream error**
The remote system would not accept the file format.

**20*xx* 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 normal processing continues.

## User response

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

| DMT946E | 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 response

Run the application that created the file again, using parameters that will create shorter records.

## Destination

FO, R

| DMT947E | 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.

## User response

Notify local RSCS support personnel.

## Destination

R, RS, SCO

| DMT948E | Link *linkid* error threshold reached during signon processing -- link deactivated |
|---|---|

## Explanation

Twenty (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.

## User response

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

| DMT949E | 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 link 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.

## User response

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-z/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

| DMT950I | 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.

## User response

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

| DMT951I | 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.

## User response

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

| DMT952E | 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 exit 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.

## User response

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

| DMT953E | 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.

## User response

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

| | |
|---|---|
| **DMT954E** | **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:

**08*xx* 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.

**0C*xx* 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.

**10*xx* 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.

**14*xx* 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.

## User response

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

| DMT955I | 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.

## User response

None.

## Destination

FO, R

| DMT956E | 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
- When 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 DMT144I, 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.

## User response

If the problem persists, notify local RSCS support personnel.

## Destination

R, RS

**DMT957E**        **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.

## User response

Restart the link. If this problem persists, notify local RSCS support personnel.

## Destination

R, SCO

---

**DMT958E**        **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 sign-off 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.

## User response

None.

## Destination

R, SCO

---

**DMT959E**        **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.

## User response

Restart the link. If this problem persists, notify local RSCS support personnel.

## Destination

R, SCO

---

**DMT960E**        **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 *VTAM: Resource Definition Reference*.

## System action

The link will be deactivated.

## User response

Notify local RSCS and VTAM support personnel to correct the Logon Mode table entry used by this link.

## Destination

R, SCO

---

**DMT961E**        **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.

## User response

Notify local RSCS and VTAM support personnel.

## Destination

R, SCO

---

**DMT962E**      **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.

## User response

None.

## Destination

R, SCO

---

**DMT963E**      **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.

## User response

Notify local RSCS and VTAM support personnel.

## Destination

R, SCO

---

**DMT964E**      **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.

## User response

Notify local RSCS and VTAM support personnel.

## Destination

R, SCO

---

**DMT965E**      **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.

## User response

Notify local RSCS and VTAM support personnel.

## Destination

R, SCO

---

**DMT966E**      **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.

## User response

Notify local RSCS and VTAM support personnel.

## Destination

R, SCO

**DMT967E**     **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.

## User response

Notify local RSCS and VTAM support personnel.

## Destination

R, SCO

**DMT968E**     **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.

## User response

Notify local RSCS and VTAM support personnel.

## Destination

R, SCO

**DMT969E**     **Link *linkid* LUNAME *luname* invalid BIND parameter {COMPROT | ENCR | FMPROF | PRIPROT | PSERVIC | SECPROT | TSPROF | TYPE} received**

## Explanation

This message is 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 *VTAM: Resource Definition Reference* for more information.)

## System action

The BIND will be rejected by a VTAM SESSIONC macro and the link will be deactivated.

## User response

Notify local RSCS and VTAM support personnel to correct the Logon Mode table entry used by this link.

## Destination

R, SCO

**DMT970I**     **Link *linkid* LUNAME *luname* request received for logical unit**

## Explanation

This message is 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.

## User response

None.

## Destination

R

**DMT971W**     **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-z/VM NJE node and contains records with carriage control that cannot be printed correctly on a z/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 response

Consider the destination node you used to send output. Ensure that it supports the carriage control you are using or incorrect results may occur.

## Destination

FO, R

---

**DMT972I**　　**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.

## User response

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).

---

**DMT973E**　　**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:

**08***xx* **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.

**0C***xx* **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.

**10***xx* **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.

**14***xx* **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.

**18*xx* 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.

**1C*xx* datastream error**
The remote system would not accept the file format.

**20*xx* 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.

## User response

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

---

**DMT974E**          **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 response

If I/O errors persist, notify local support personnel.

## Destination

FO

---

**DMT975E**          **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 SNA RU type.

## System action

The session is abnormally terminated, and the link is deactivated.

## User response

Notify local RSCS and VTAM support personnel.

## Destination

R, SCO

---

**DMT976I**          **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.

## User response

None.

## Destination

R, SCO

| **DMT977I** | **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.

## User response

None.

## Destination

R, SCO

| **DMT978E** | **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.

## User response

Notify local RSCS and VTAM support personnel.

## Destination

R, SCO

| **DMT980I** | **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 response

None. This is an informational message only.

## Destination

CO

| **DMT981I** | **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 response

None. This is an informational message only.

## Destination

CO

| **DMT982E** | **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 response

Verify that you entered the link ID correctly and issue the subcommand again.

## Destination

CO

| DMT984E | 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 response

Issue the subcommand again and use a number within the range of available records as indicated by '*nnnnnn*'.

## Destination

CO

| DMT985I | 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 response

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 usable, but you may not be able to use the RSCS subcommands for DUMPSCAN. *z/VM: RSCS Networking Diagnosis* and *z/VM: Group Control System* may provide more information.

## Destination

CO

| DMT986E | 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 response

Verify the subcommand syntax in *z/VM: RSCS Networking Diagnosis* and issue the subcommand again.

## Destination

CO

| DMT987E | 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 response

The dump is still usable, but the use of RSCS subcommands for DUMPVIEW may not be possible. *z/VM: RSCS Networking Diagnosis* and *z/VM: Group Control System* may provide more information.

## Destination

CO

| DMT988E | 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 response

The dump is still usable, 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:

| Subcommand | Module |
|---|---|
| CVT | DMTYCV |
| DWA | DMTYDW |
| IOTABLE | DMTYIO |
| ITRACE | DMTYIT |
| LINKS | DMTYLI |
| NDWA | DMTYND |
| RIB | DMTYRI |
| ROUTES | DMTYRO |
| TAGQUE | DMTYTG |
| TIB | DMTYTI |

## Destination

CO

**DMT989I**     **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 response

This is an informational message only. Verify that the RCB specified is valid. Reissue the subcommand with the correct RCB if necessary.

## Destination

CO

**DMT990I**     **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 response

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 *z/VM: RSCS Networking Operation and Use* for details on the ITRACE command, and see *z/VM: RSCS Networking Planning and Configuration* for details on the ITRACE statement.

## Destination

CO

**DMT991E**     **Invalid command format -- unable to execute subcommand**

## Explanation

The syntax of the subcommand was incorrect.

## System action

The subcommand is not executed.

## User response

Verify the subcommand syntax in *z/VM: RSCS Networking Diagnosis* and issue the subcommand again.

## Destination

CO

**DMT992I**     **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 response

No further action is required. Other valid subcommands may still be executed to obtain different information.

## Destination

CO

| **DMT993I** | **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 response

None. This is an informational message only.

## Destination

CO

| **DMT994E** | **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 response

Verify that you entered the link ID correctly and issue the subcommand again.

## Destination

CO

| **DMT995I** | **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 response

None. This is an informational message only.

## Destination

CO

| **DMT996I** | **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 response

None. This is an informational message only.

## Destination

CO

# Chapter 4. RSCSAUTH Messages

This section lists the messages issued by the RSCSAUTH server.

**DMT2015E**  *command_group* **command group name is not defined within the Command Group Table**

## Explanation

The command group name *command_group* is defined in the USERAUTH table but is not found in the CMDGROUP table in which the user is authorized. Referential integrity across the USERAUTH and CMDGROUP tables must be maintained through the command group name.

## System action

RSCSAUTH will not continue processing the requested command.

## User response

Contact the local RSCSAUTH administrator to add the command group name the user is authorized for into the CMDGROUP table.

**DMT2030I**  **The variations of this message are explained below.**

## Explanation

This message contains the results of a query of RSCSAUTH authorizations requested through the QRSCSAUTH command. The first variation contains the results of a query of the USERAUTH table, the second variation contains the results of a query of the USERLINK table, and the third variation contains the results of a query of the CMDGROUP table. For a QRSCSAUTH USERAUTH or QRSCSAUTH USERLINK request, multiple messages might be issued to show all of the authorizations that match the query specifications. Each instance of the message represents one matching entry in the table.

## System action

System operation continues.

## User response

None.

## MESSAGES

- {*userid* | **ALL USERS}** **AT** {*node* | **ALL NODES} AUTHORIZED FOR** *command_group1*[*command_group2*...]
- {*userid* | **ALL USERS}** **AT** {*node* | **ALL NODES} AUTHORIZED FOR** {*link1*[*link2*...] | **ALL LINKS}**
- *command_group* **AUTHORIZED FOR** {*command1*[*command2*...] | **ALL COMMANDS}**

**DMT2040T**  **A fully authorized user is not defined in the RSCSAUTH CONFIG file, RSCSAUTH server initialization terminated**

## Explanation

During initialization of the RSCSAUTH server, the RSCSAUTH CONFIG file was searched for the AUTHUSER statement and the statement was not found.

## System action

RSCSAUTH will not initialize.

## User response

Add the AUTHUSER = *userid* statement to the RSCSAUTH CONFIG file and initialize the server again.

**DMT2041T**  **A fully authorized user is not defined properly in the RSCSAUTH CONFIG file, RSCSAUTH server initialization terminated**

## Explanation

During initialization of the RSCSAUTH server, the RSCSAUTH CONFIG file was searched for the AUTHUSER statement. The statement was found but is not valid. Possible reasons could be:

- *userid* not specified
- length of *userid* is greater than 8 characters
- keyword *AUTHUSER* is not equal to 'AUTHUSER'

## System action

RSCSAUTH will not initialize.

## User response

Correct the statement and initialize the server again.

**DMT2042I** *userid* **is the fully authorized user**

## Explanation

*userid* is the user with full RSCSAUTH authority. This user is authorized to use all RSCSAUTH commands.

## System action

None.

## User response

None.

**DMT2044T** **FILEMODE was not found in the RSCSAUTH CONFIG file, RSCSAUTH server initialization terminated**

## Explanation

The RSCSAUTH CONFIG file was searched for the FILEMODE statement and the statement was not found.

## System action

RSCSAUTH will not initialize.

## User response

Ensure that the FILEMODE = *filemode* statement is in the RSCSAUTH CONFIG file, and try initializing the server again.

**DMT2046I** *filemode* **is the file mode used to maintain the RSCSAUTH configuration files**

## Explanation

This is an informational message issued during initialization to display the file mode to be used to maintain the RSCSAUTH configuration files.

## System action

None.

## User response

None.

**DMT2048T** **File mode *filemode* is not R/W**

## Explanation

The RSCSAUTH server must be able to write to the minidisk provided in the FILEMODE statement in the RSCSAUTH CONFIG file.

## System action

The RSCSAUTH server will not initialize.

## User response

Provide a valid file mode which has R/W access.

**DMT2049E** **Command *command* is not valid**

## Explanation

A command was issued to the RSCSAUTH server that is not a valid RSCS or RSCSAUTH command.

## System action

RSCSAUTH will not continue processing the requested command.

## User response

Provide a valid RSCS or RSCSAUTH command.

**DMT2050E** **Missing Link name**

## Explanation

The link name is required as a parameter on this command, but it is missing.

## System action

RSCSAUTH will not continue processing the requested command.

## User response

Provide a valid link name with the RSCS command. A valid link name is one the user has authority for as defined in the USERLINK table.

**DMT2052T** **FILEMODE is not properly defined in the RSCSAUTH CONFIG file**

## Explanation

While reading the RSCSAUTH CONFIG file, it was determined that the file mode provided is not valid. Possible reasons could be:

- The file mode might be null
- The length of the file mode might not equal 1

- The file mode might not be character data
- The keyword *FILEMODE* might not be 'FILEMODE'.

## System action

RSCSAUTH will not initialize.

## User response

Provide a valid file mode in the RSCSAUTH CONFIG file and initialize RSCSAUTH again.

| DMT2055I | **RSCSAUTH configuration statement** *statement* **not recognized** |
|---|---|

## Explanation

While reading the RSCSAUTH CONFIG file, it was determined that there are statements in the RSCSAUTH CONFIG file that are not recognized.

## System action

RSCSAUTH will process normally.

## User response

None.

| DMT2070E | **Missing operand ADD/DELETE for command** *command* |
|---|---|

## Explanation

The add or delete operand was not provided for the USERAUTH, COMMANDGROUP, or USERLINK command.

## System action

RSCSAUTH will not continue processing the requested command.

## User response

Verify the syntax and reissue the command.

| DMT2090E | **{*userid* | *command_group* | *node*} length exceeded its maximum limit of** *length* |
|---|---|

## Explanation

Userid, command group name, or node exceeds the maximum length. RSCSAUTH restricts userid and node to 8 characters, and group name to 32 characters.

## System action

RSCSAUTH will not continue processing the requested command.

## User response

Ensure the appropriate length for userid, group name, or node, and reissue the command.

| DMT2100I | **The variations of this message are explained below.** |
|---|---|

## Explanation

RSCSAUTH has updated the table.

## System action

The data has been successfully inserted into the RSCSAUTH table.

## User response

None.

## MESSAGES

- **Command Group** *command_group* **has been added to the User Authorization Table for user** *userid* **at** *node*
- **Link** *link* **has been added to the Link Authorization Table for user** *userid* **at** *node*
- **Command** *command* **has been added to the Command Group Table for group** *command_group*

| DMT2300I | **Entry {*userid node* | *command_group*} has been deleted from the** *tablename* **Table** |
|---|---|

## Explanation

This is an informational message indicating one of the following has been deleted:

- Userid for a particular node from the USERAUTH or USERLINK table.
- Command group name from the CMDGROUP table.

## System action

The data has been successfully deleted from the table.

## User response

None.

| DMT2305E | *entry* **is not defined in** *tablename* **Table** |
|---|---|

## Explanation

The data supplied for deletion was not found in the RSCSAUTH table.

## System action

RSCSAUTH will not continue processing the requested command.

## User response

Reissue the command containing a userid, command group name, or link name that exists within the RSCSAUTH table.

| DMT2310I | The variations of this message are explained below. |
|---|---|

## Explanation

RSCSAUTH has deleted the data from the table.

## System action

The data has been successfully deleted from the RSCSAUTH table.

## User response

None.

## MESSAGES

- **Command Group** *command_group* **deleted from the User Authorization Table for user** *userid* **at** *node*
- **Command** *command* **deleted from the Command Group Table for group** *command_group*
- **Link** *link* **deleted from the Link Authorization Table for user** *userid* **at** *node*

| DMT2330E | *command_group* cannot be deleted from the *tablename* Table, users remain defined in the USERAUTH RSCSAUTH file |
|---|---|

## Explanation

RSCSAUTH received a delete request for a command group name in the CMDGROUP table and users are still attached to that command group name.

## System action

RSCSAUTH will not continue processing the requested command.

## User response

Before issuing the delete request for the command group name from the CMDGROUP table, ensure that all users attached to that command group are deleted from the USERAUTH table.

| DMT2500E | Use of the wildcard character with additional parameters are not allowed |
|---|---|

## Explanation

Wildcard character ' * ' is specified with additional parameters, which is not allowed.

## System action

The command is not processed.

## User response

Remove either the wildcard character or the other parameters and reissue the command.

| DMT2600E | Use of a wildcard character for command group name is not allowed |
|---|---|

## Explanation

Wildcard character ' * ' is specified for the command group name, which is not allowed.

## System action

RSCSAUTH will not continue processing the requested command.

## User response

Specify a valid command group name and reissue the command.

| DMT2610I | No entry found in *tablename* Table for {user *userid* at *node* | group *command_group* | link *link*} |
|---|---|

## Explanation

A query request did not find the queried data in the USERAUTH, CMDGROUP, or USERLINK tables.

## System action

None.

## User response

Verify and reissue the QRSCSAUTH command with correct data.

**DMT2980E**        **RSCSAUTH file name missing**

## Explanation

A file name was not specified after the QRSCSAUTH command.

## System action

RSCSAUTH will not continue processing the requested command.

## User response

Verify the syntax for the QRSCSAUTH command and reissue the command.

**DMT2981I**        **The value specified for the KEEP parameter in the RSCSAUTH CONFIG file is not valid**

## Explanation

The value specified for the KEEP parameter in the RSCSAUTH CONFIG file is incorrect. The KEEP parameter accepts numeric values in the range of 7 to 60 with a default value of 21.

## System action

The default value of 21 will be used. This value indicates the number of most recent log files to keep.

## User response

Provide the valid input for the KEEP parameter or accept the default value of 21.

**DMT2983W**        **Shortage of *filemode*-mdisk space**

## Explanation

Utilized space on the logging disk exceeds 90% of available space. RSCSAUTH issues this warning message to the user identified through TELL = *userid* at *node* in the RSCSAUTH CONFIG, at every interrupt arriving at the RSCSAUTH server until the utilized space becomes less than 90%.

## System action

RSCSAUTH logs the message in the log file once each day if a file name is specified in the RSCSAUTH CONFIG file.

## User response

Erase some files from the log file mdisk or allocate more space for the mdisk identified.

**DMT2990E**        *CP message*

## Explanation

An SMSG to the RSCS service machine has failed. This message contains the CP message returned to the RSCSAUTH server.

## System action

RSCSAUTH will not continue processing the requested command.

## User response

Notify the local RSCSAUTH administrator about the SMSG failure.

**DMT2991I**        **RSCSCMDS CONFIG *filemode* is available to the RSCSAUTH server**

## Explanation

The RSCSCMDS CONFIG file is available to RSCSAUTH as an exit file and contains locally developed RSCS commands.

## System action

The RSCSCMDS file will be used.

## User response

None.

**DMT2995E**        **Incorrect file name provided for QRSCSAUTH command**

## Explanation

A file name other than USERAUTH, CMDGROUP or USERLINK was supplied as a file name on the QRSCSAUTH command.

## System action

RSCSAUTH will not continue processing the requested command.

## User response

Verify the syntax of the QRSCSAUTH command and reissue the command.

**DMT2997I**      *filename* **is not available to the RSCSAUTH server**

## Explanation

The RSCSCMDS configuration file was not accessible to the RSCSAUTH server.

## System action

Normal processing continues.

## User response

None.

**DMT2998T**      *filename* **is not available to the RSCSAUTH server**

## Explanation

The RSCSAUTH CONFIG file was not accessible to the RSCSAUTH server.

## System action

The RSCSAUTH server will not initialize without the RSCSAUTH CONFIG file.

## User response

Check for the presence of the RSCSAUTH CONFIG file and restart RSCSAUTH if necessary.

**DMT3000W**      **Logging stopped**

## Explanation

Utilized space on the mdisk identified through FILEMODE = *filemode* in the RSCSAUTH CONFIG file reaches or exceeds 95% of the available space. RSCSAUTH issues this warning message to the user identified through the TELL = *userid* at *node* statement.

## System action

RSCSAUTH stops writing into the log file.

## User response

Erase some files from or allocate more space for the logging mdisk.

**DMT3010E**      **The variations of this message are explained below.**

## Explanation

A value already existing in the table has been supplied on the command.

## System action

RSCSAUTH will not continue processing the requested command.

## User response

Verify and reissue the command with a value that does not exist in the table.

## MESSAGES

- **Command Group** *command_group* **is already defined in the User Authorization Table for user** *userid* **at** *node*
- **Link** *link* **is already defined in the Link Authorization Table for user** *userid* **at** *node*
- **Command** *command* **is already defined in the Command Group Table for group** *command_group*

**DMT3015E**      **The variations of this message are explained below.**

## Explanation

A delete request has been received for an entry that is not found in the USERAUTH, CMDGROUP, or USERLINK tables.

## System action

The command is not processed.

## User response

Verify and reissue the command with a value that exists in the table.

## MESSAGES

- **Command Group** *command_group* **is not defined in the User Authorization Table for user** *userid* **at** *node*
- **Link** *link* **is not defined in the Link Authorization Table for user** *userid* **at** *node*
- **Command** *command* **is not defined in the Command Group Table for group** *command_group*

**DMT3020I**      **RSCSAUTH Server Function Level** ***nnn-nnnn*** **is running**

## Explanation

This message signals the completion of RSCSAUTH initialization. The *nnn-nnnn* is the release and service level of the RSCSAUTH server.

## System action

Processing continues normally.

## User response

None.

| DMT3025I | RSCSAUTH server terminated |
|---|---|

## Explanation

The STOPRSCSAUTH IMMEDIATE command or the STOPRSCSAUTH command has been issued and the RSCSAUTH server has completed shutdown.

## System action

If STOPRSCSAUTH has been received, all pending responses from the RSCS server have been received and processed and RSCSAUTH has shut down. If STOPRSCSAUTH IMMEDIATE has been received, RSCSAUTH has terminated immediately.

## User response

None.

| DMT3035I | *input* requested by *userid* at *node*, WAKEUP RC = *rc* |
|---|---|

## Explanation

This is an informational message displayed on the RSCSAUTH console when a command is issued for processing. The WAKEUP return code is displayed as part of the message since TRACERSCSAUTH is enabled.

## System action

Processing continues normally.

## User response

None.

| DMT3036I | *input* requested by *userid* at *node* |
|---|---|

## Explanation

This is an informational message displayed on the RSCSAUTH console when a command is issued for processing.

## System action

Processing continues normally.

## User response

None.

| DMT3040I | RDR file *spoolid* transferred to *rscsid* |
|---|---|

## Explanation

A SPOOL/RDR file has been received by the RSCSAUTH server and forwarded on to the RSCS server defined in the RSCSAUTH CONFIG file or to the local RSCS.

## System action

Processing continues normally.

## User response

None.

| DMT3055T | Could not locate file *filename* which is required by the RSCSAUTH server |
|---|---|

## Explanation

The DMTUME TEXT or the AUTHPARS EXEC was not found on any accessed mdisks during RSCSAUTH initialization.

## System action

RSCSAUTH will not initialize.

## User response

Make sure the mdisk containing the DMTUME TEXT and AUTHPARS EXEC is accessible to RSCSAUTH.

| DMT3065E | Statement *statement* is not defined properly in the RSCSAUTH CONFIG file |
|---|---|

## Explanation

The RSCSAUTH CONFIG file was being processed during initialization and an incorrect statement was found.

## System action

Default values will be used and processing will continue when the statement in question is RSCS = *rscsid*, LOG = *filename*, KEEP = *value*,

TRACERSCSAUTH = {ON | OFF}, TELL = *userid* at *node*, or TRANSPOOL = {YES | NO}.

## User response

Verify the statement and correct the errors.

**DMT3075I**     **Critical messages will not be sent to any user**

## Explanation

The TELL statement in the RSCSAUTH CONFIG file is missing or incorrect.

## System action

Processing continues normally.

## User response

None.

**DMT3080I**     **Critical messages will be sent to *userid* at *node***

## Explanation

The TELL statement is defined correctly in the RSCSAUTH CONFIG file. All critical messages such as the logging mdisk reaching 90% and 95% will be issued to the specified user.

## System action

Processing continues normally.

## User response

None.

**DMT3090I**     **Trace is defined as {ON | OFF}**

## Explanation

This is an informational message issued to display the TRACERSCSAUTH settings.

## System action

Processing continues normally.

## User response

None.

**DMT3095I**     **RSCS commands will be handled by the *rscsid* server**

## Explanation

This message indicates the RSCS ID to receive the RSCS command from RSCSAUTH.

## System action

Processing continues normally.

## User response

None.

**DMT4000I**     **Logging is enabled. Messages will be recorded in *filename*. A maximum of *keep_value* log files will be maintained.**

## Explanation

This message indicates the file name that has been provided on the LOG = *filename* statement in the RSCSAUTH CONFIG file. All messages issued by the RSCSAUTH server will be recorded in this file. A maximum of *keep_value* log files will be maintained.

## System action

Processing continues normally.

## User response

None.

**DMT4005I**     **Logging has not been enabled**

## Explanation

While processing the RSCSAUTH CONFIG file, a file name for the log file was not found. Messages issued by the RSCSAUTH server will not be recorded.

## System action

Processing continues normally.

## User response

If logging is desired, add the LOG = *filename* parameter to the RSCSAUTH CONFIG file and reinitialize the RSCSAUTH server.

**DMT4008I**     **Log file name is greater than 8 characters, *filename* will be used as the log file name**

## Explanation

While processing the RSCSAUTH CONFIG file, a file name specified for LOG = *filename* was greater than 8

characters. Only the first 8 characters will be used as the file name for the log file.

## System action

The first 8 characters are used as the file name of the log file and processing continues normally.

## User response

None.

---

**DMT4010I**　　　**Statement *statement* not defined.**

## Explanation

While processing the RSCSAUTH CONFIG file, one or more of the following optional statements were not found:

- RSCS =
- LOG =
- TRACERSCSAUTH =
- TELL =
- TRANSPOOL =

## System action

Processing continues normally and default values are used.

## User response

None.

---

**DMT4012I**　　　**File *filename* erased**

## Explanation

This is an informational message issued when:

- The RSCSAUTH server detects that there are more log files than the KEEP value. The oldest files are used.
- A request has been received to delete a record from the USERAUTH, USERLINK, or CMDGROUP file that has only one record. The corresponding file is erased.

## System action

File(s) erased and processing continues normally.

## User response

None.

---

**DMT4015I**　　　**All SPOOL/RDR files will be transferred to the RSCS server for processing**

## Explanation

This is an informational message issued when TRANSPOOL is set to 'ON' in the RSCSAUTH CONFIG file. If a SPOOL/RDR file arrives at the RSCSAUTH server, the file will be transferred to the RSCS server for processing.

## System action

Processing continues normally.

## User response

None.

---

**DMT4020I**　　　**All SPOOL/RDR files will not be transferred to RSCS**

## Explanation

The TRANSPOOL option in the RSCSAUTH CONFIG file is set to 'OFF'. If a SPOOL/RDR file arrives at the RSCSAUTH server, the files are left in the RSCSAUTH server reader.

## System action

Processing continues normally.

## User response

None.

---

**DMT4035I**　　　***filename* has been sent to *userid* at *node***

## Explanation

The QRSCSAUTH command was issued with file name as the only parameter.

## System action

The RSCSAUTH server will send the requested file.

## User response

None.

---

**DMT4040I**　　　**Unexpected RC *rc* from WAKEUP**

## Explanation

This is an informational message issued when the return code from WAKEUP is not 1, 4, 5, or 6.

## System action

The return code is ignored.

## User response

None.

**DMT4045E**     **Command** *command* **not valid, not added to Command Group** *command_group*

## Explanation

The command name(s) supplied for addition into the CMDGROUP table is not a valid RSCS or RSCSAUTH command.

## System action

The command is not processed.

## User response

Correct the command name and reissue the command.

**DMT4046E**     **Command** *command* **not valid, not deleted from Command Group** *command_group*

## Explanation

The command name(s) supplied for deletion from the CMDGROUP table is not a valid RSCS or RSCSAUTH command.

## System action

The command is not processed.

## User response

Correct the command name and reissue the command.

**DMT4050I**     **RSCSAUTH Server Function Level** *nnn-nnnn*

## Explanation

This is an informational message issued when an interrupt arrives at the RSCSAUTH server without a message. The *nnn-nnnn* is the release and service level of the RSCSAUTH server.

## System action

Processing continues normally.

## User response

None.

**DMT4055E**     *userid* **AT** *node* **is not an authorized user**

## Explanation

The user is not found in the USERAUTH table.

## System action

The command is not processed.

## User response

Contact the local RSCSAUTH administrator for authorization.

**DMT4065I**     *command_group* **already fully authorized for all commands.**

## Explanation

The command name(s) supplied for addition into a command group name is already authorized for all RSCS and RSCSAUTH commands.

## System action

The command is not processed.

## User response

None.

**DMT4070I**     *userid* **AT** *node* **is already fully authorized for all links**

## Explanation

A request has been received to add authorization for a user that is already authorized for all links.

## System action

The command is not processed.

## User response

None.

**DMT4080E**     **Command** *command* **rejected due to missing parameters**

## Explanation

Required parameters for command *command* have not been specified.

## System action

The command is not processed.

## User response

Verify the syntax and reissue the command with required parameters.

| DMT4085E | Option *option* for *command* command is not valid |
|---|---|

## Explanation

A command has been received with an incorrect option.

## System action

The command is not processed.

## User response

Verify the syntax and reissue the command with a valid option.

| DMT4090I | {*rscsauthid* \| *authuser*} is fully authorized for all commands/links |
|---|---|

## Explanation

This is an informational message indicating the status of the server *rscsauthid* or the user *authuser* specified in the RSCSAUTH CONFIG file.

## System action

Processing continues normally.

## User response

None.

| DMT4095E | {*rscsauthid* \| *authuser*} authority cannot be modified or deleted |
|---|---|

## Explanation

A request has been received to modify or delete authority for the server *rscsauthid* or user *authuser* specified in the RSCSAUTH CONFIG file. This is not allowed.

## System action

The command is not processed.

## User response

To change this authority, the RSCSAUTH CONFIG file must be changed and RSCSAUTH must be reinitialized.

| DMT5000E | RSCSAUTH server is shutting down, no commands are accepted |
|---|---|

## Explanation

The RSCSAUTH server is shutting down and a command has been issued for processing.

## System action

The command is not processed.

## User response

If the RSCSAUTH server is to be terminated immediately without waiting for RSCS pending responses, issue the STOPRSCSAUTH IMMEDIATE command. Note: All the pending responses from the RSCSAUTH server will be lost.

| DMT5005I | RSCSAUTH server is shutting down, no commands are accepted |
|---|---|

## Explanation

The RSCSAUTH server is shutting down as a result of the STOPRSCSAUTH command, and no more commands will be accepted for processing.

## System action

None.

## User response

None.

| DMT5010I | The RSCSAUTH server is waiting for command responses from the RSCS server. Then shutdown processing will be completed. |
|---|---|

## Explanation

The STOPRSCSAUTH command has been issued.

## System action

Wait to complete any pending responses from the RSCS server.

## User response

If the RSCSAUTH server is to be terminated immediately without waiting for RSCS pending responses, issue the STOPRSCSAUTH IMMEDIATE command. Note: All the pending responses from the RSCSAUTH server will be lost.

---

**DMT5020I**  **To shut down RSCSAUTH without waiting for responses from the RSCS server, use the STOPRSCSAUTH IMMEDIATE command**

## Explanation

This informational message is issued when the STOPRSCSAUTH command is issued.

## System action

Complete any pending responses from the RSCS server and then shut down RSCSAUTH.

## User response

If needed, issue the STOPRSCSAUTH IMMEDIATE command.

---

**DMT5050E**  **File *filename/spoolid* not found**

## Explanation

This message is issued when the RSCSAUTH file *filename/spoolid* was not found due to the following scenarios:

- During authorization check
- When deleting an entry/record from the RSCSAUTH file
- When QRSCSAUTH requests the RSCSAUTH file *filename*
- When the User File Control command (CHANGE, FLUSH, PURGE, TRANSFER) is issued for file *spoolid*.

## System action

The command is not processed.

## User response

Contact the local RSCSAUTH administrator. If the User File Control command is issued, verify that the spool file ID was correctly entered. If it was not entered correctly, enter the command again with the correct spool file identifier. If it was entered correctly, enter the command again after some time has elapsed to allow the file to move to enqueued status.

---

**DMT5060E**  ***userid* AT *node* is not authorized for *command/link entry***

## Explanation

The user is not authorized for the command/link.

## System action

The command is not processed.

## User response

Contact the local RSCSAUTH administrator for authorization.

---

**DMT5075I**  ***command_group* is fully authorized for all commands, individual commands cannot be deleted**

## Explanation

An attempt was made to delete an individual command from a fully authorized command group.

## System action

The command is not processed.

## User response

To delete the entire command group, provide the wildcard parameter, *, and reissue the command.

---

**DMT5080I**  ***userid* AT *node* is fully authorized for all links, an individual link cannot be deleted**

## Explanation

An attempt was made to delete an individual link from a fully authorized user.

## System action

The command is not processed.

## User response

To delete all links for a particular user, provide a wildcard parameter, *, and reissue the command.

---

**DMT5085I**  **RDR file *spoolid* has been changed to user hold status**

## Explanation

A file has arrived at the RSCSAUTH RDR and its status has been changed to USER HOLD.

## System action

The file will be held at the RSCSAUTH server reader and will not be sent to RSCS for processing.

## User response

None.

---

**DMT5090E**        **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 syntax requirements for z/VM spool file identifiers. Valid characters for spool file identifiers are 0 to 9, and prefix '*'. In addition, the length should be greater than 0 and less than 5, excluding prefix character '*'.

## System action

The command is ignored, and normal processing continues.

## User response

Enter the command again with a valid spool file identifier.

---

**DMT5095E**        **File** *spid* (*ospid*) **not owned by** *userid* **AT** *node*

## Explanation

This message is 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, and the user is not link authorized for the link the file is queued on.

## System action

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

## User response

Determine the file that is owned, and reissue the command.

**DMT5098E**        **Unable to communicate with RSCS user ID** *userid*

## Explanation

One of the User File Control commands (CHANGE, FLUSH, PURGE, TRANSFER) is issued and the RSCS server identified by the *userid* is not operational.

## System action

The command is not processed.

## User response

Notify the local RSCSAUTH administrator about the communication failure.

---

**DMT5100E**        **Restricted RSCS Command CMD**

## Explanation

RSCS command CMD has been requested. However, RSCSAUTH prohibits use of this command.

## System action

The command is not processed.

## User response

Either use TELL to send the command to RSCSAUTH running at the remote node, or issue the command directly to RSCS.

---

**DMT5105I**        **{ MSG | MSGNOH } is the default value for TELL command**

## Explanation

This is the informational message issued during initialization to display the default value that will be used for the TELL command. MSGNOH requires the RSCSAUTH user ID to have class B or equivalent authority. For all other classes, the default value is MSG.

## System action

None.

## User response

None.

# Chapter 5. RSCS Message Compiler Messages

The following messages can be issued when you use the MCOMP and MCONV execs to modify an RSCS conversion or translation repository file. For more information about these files, see *z/VM: RSCS Networking Exit Customization*.

---

**DMT270T**      **Extraneous parameters** *parameters*

## Explanation

You specified more command line parameters than were necessary.

## System action

Terminate the message compiler with a return code of 24.

## User response

Recompile and specify the proper number of parameters.

---

**DMT271T**      **Bad output filemode** *filemode*

## Explanation

You specified the OUTMODE operand with an incorrect file mode.

## System action

Terminate the message compiler with a return code of 24.

## User response

Recompile and specify a valid file mode.

---

**DMT272T**      **Invalid option** *option*

## Explanation

You specified an incorrect option when entering the command.

## System action

Terminate the message compiler with a return code of 24.

## User response

Recompile and specify only valid options.

---

**DMT273T**      **Input file** *filename filetype* **not found**

## Explanation

RSCS could not find the conversion or translation repository file you specified.

## System action

Terminate the message compiler with a return code of 28.

## User response

Make sure the file is on an accessed disk and make sure you spelled the file name and type correctly; recompile.

---

**DMT274T**      **Error updating** *filename filetype*

## 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.

## System action

Terminate the message compiler with the return code from the UPDATE command.

## User response

See *z/VM: CMS Commands and Utilities Reference* for information about the UPDATE command; correct the problem and recompile.

---

**DMT275T**      **Error writing output file** *filename filetype*

## Explanation

The message compiler could not append a record to the file specified by *filename filetype*. This file could be the intermediate assembler file or the listing.

---

## System action

Terminate the message compiler with a return code of 20.

## User response

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.

| DMT276S | Bad *charactername* character *character* |
| --- | --- |

## Explanation

You tried to assign an incorrect character (*c*) to a special character (*charactername*) using the *CHAR statement. The *CHAR statement lets you change the special characters that RSCS assigns. This lets RSCS support different translation repositories.

## System action

Ignore the assignment and continue compiling.

## User response

Change the unusable character to a valid one and recompile.

| DMT350W | Extra information ignored |
| --- | --- |

## 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.

## System action

Ignore the extra lexicals and continue compiling.

## User response

Correct the statement and recompile.

| DMT351E | Assembly error rc=*nn* |
| --- | --- |

## Explanation

The assembler returned a nonzero return code. Some of the common reasons include:

- 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.

## System action

Keep the intermediate assembler (regardless of the KEEPASM/NOKEEPASM setting) and continue compiling.

## User response

Make the appropriate changes based on the type of error and then recompile.

- **Syntax Errors —** Correct the error.
- **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.

| DMT352E | 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.

## User response

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.

| DMT353E | 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.

## User response

Correct the statement and recompile.

| **DMT354E** | **Bad statement** |
|---|---|

## Explanation

The compiler did not recognize a statement type.

## System action

Ignore the statement and continue compiling.

## User response

Correct the statement and recompile.

| **DMT355S** | **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.

## User response

Call IBM software support to get the compiler fixed.

| **DMT356S** | **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.

## User response

Call IBM software support to get the compiler fixed.

| **DMT357E** | **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.

## User response

Correct the problem and recompile.

| **DMT358E** | **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.

## User response

Correct the problem and recompile.

| **DMT359E** | **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.

## User response

Correct the problem and recompile.

| **DMT360E** | **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.

## User response

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.

**DMT361E          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.

## User response

Correct the problem and recompile.

**DMT362E          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.

## User response

Correct the problem and recompile.

**DMT363E          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.

## User response

Correct the problem and recompile.

**DMT364E          Bad substitution details**

## Explanation

You specified a field number followed by some text in a substitution, but the text is not 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.

## User response

Correct the problem and recompile.

**DMT365E          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.

## User response

Correct the problem and recompile.

**DMT366E          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.

## User response

Correct the problem and recompile.

---

**DMT367E        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.

## User response

Correct the problem and recompile.

---

**DMT368E        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.

## User response

Correct the problem and recompile. **_Hint:_** Look for a less than sign (<) immediately followed by a substitution or a substitution followed by another substitution.

---

**DMT369W        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.

## User response

Correct the problem and recompile. Either widen the individual column headings or narrow the multiple column heading.

---

**DMT370E        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.

## User response

Correct the problem and recompile.

---

**DMT371E        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.

## User response

Correct the problem and recompile.

---

**DMT372E        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.

## User response

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 (\>).

## DMT373S      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.

### User response

Correct the problem and recompile.

## DMT374E      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.

### User response

Correct the problem and recompile.

## DMT375W      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.

### User response

Before the next recompile, either delete this statement or add one or more macro names.

## DMT376E      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.

### User response

Correct the problem and recompile.

## DMT377W      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.

### User response

Before the next recompile, either delete this statement or add one or more copy file names.

## DMT378E      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.

### User response

Take the infrequently-used bases, make them local to the individual messages to which they reply, and recompile.

## DMT379E      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.

### User response

Correct the problem and recompile.

**DMT380E          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.

## User response

Before the next recompile, either delete this statement or add one or more base labels.

**DMT381E          Duplicate message number**

## Explanation

The compiler found a message number that has already be defined.

## System action

Ignore the statement and continue compiling.

## User response

Before the next recompile, either delete this statement or change the message number to one not already being used.

**DMT382E          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.

## User response

Correct the problem and recompile.

**DMT383E          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.

## User response

Correct the problem and recompile.

**DMT384E          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.

## User response

Correct the problem and recompile.

**DMT385E          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.

## User response

Correct the problem and recompile.

**DMT386E          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 four.

## System action

Ignore the rest of the statement and continue compiling.

## User response

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.

**DMT387E**          **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.

## User response

Correct the problem and recompile.

**DMT388E**          **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.

## User response

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.

**DMT389E**          **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.

## User response

Correct the problem and recompile.

**DMT390E**          **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.

## User response

Correct the problem and recompile.

**DMT391E**          **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.

## User response

Correct the problem and recompile.

**DMT392E**          **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.

## User response

Correct the problem and recompile.

**DMT393E**        **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.

## User response

Correct the problem and recompile.

**DMT394E**        **Bad datatype**

## Explanation

The compiler found a field with an unsupported datatype.

## System action

Ignore the rest of the statement and continue compiling.

## User response

Correct the problem and recompile.

**DMT395E**        **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.

## User response

Correct the problem and recompile.

**DMT396E**        **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.

## User response

Correct the problem and recompile.

**DMT397S**        **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.

## User response

Call IBM software support to get the compiler fixed.

**DMT398E**        **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.

## User response

Correct the problem and recompile.

**DMT399E**        **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.

**User response**

Correct the problem and recompile.

# Chapter 6. RSCS Domain Name Server Messages

The following are messages for the RSCSDNS support.

**DMT1000E**     **Error reading ACHALVL DATA A file**

## Explanation

During initialization, the RSCS Domain Name Server was unable to read the file containing the recommended service upgrade (RSU) level.

## System action

Normal system operation continues. The RSU level will default to 0000.

## User response

Verify that the ACHALVL DATA file exists on the RSCS 403 minidisk.

**DMT1001E**     **Invalid number of parameters**

## Explanation

The GETHOSTC MODULE was started with more than two input parameters.

## System action

Module initialization fails returning control to CMS with a -1 return code.

## User response

Start the GETHOSTC MODULE passing two or fewer parameters.

**DMT1002E**     **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.

## User response

None.

**DMT1003E**     **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.

## User response

Restart the GETHOSTC MODULE. If the problem persists, contact IBM support.

**DMT1004E**     **Invalid command *command***

## Explanation

An invalid command was entered on the console of the RSCS Domain Name Server.

## System action

Normal system operation continues.

## User response

Enter a valid command which includes Q (query), SHUTDOWN, or pressing the enter key without inputting any data.

**DMT1005E**     **The variations of this message are explained below.**

## Explanation

A getaddrinfo() function call failed for the indicated host name. For information about this function, see *XL C/C++ for z/VM: Runtime Library Reference*.

## System action

Normal system operation continues.

## User response

Validate the following:

- The indicated host name is contained within one of the domain name servers or is contained in a local hosts file (either ETC HOSTS or HOSTS LOCAL).
- 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, or, if you are using a local hosts file, the correct local hosts file is accessible to the RSCS Domain Name Server.
- The indicated host name is correct.

### MESSAGES

- **Get host by name for** *host_name* **failed, rc:** *return code*
- **Get host by name for** *host_name* **failed, reason:** *reason string*

| DMT1010I | RSCS Domain Name Server Function Level *nnn-nnnn* initializing |
|---|---|

### Explanation

The GETHOSTC MODULE has been started causing the RSCS Domain Name Server initialization to start. *nnn* is the function level and *nnnn* is the service (RSU) level of the RSCS Domain Name Server.

### System action

Normal system initialization continues.

### User response

None.

| DMT1011I | 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.

## User response

None.

| DMT1012I | 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.

### User response

Restart the GETHOSTC MODULE if applicable. If the RSCS Domain Name Server has terminated due to an error, contact IBM support.

| DMT1013I | 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.

### User response

Validate the same port number is defined to an RSCS LPR-, TCPNJE-, TCPASCII-, or UFT-type link on the `DNSPort` parameter.

| DMT1015I | RSCS Domain Name Server Function Level *nnn-nnnn* |
|---|---|

### Explanation

The RSCS Domain Name Server displays this message in response to a Q (query) command or pressing enter without inputting any data. *nnn* is the function level and *nnnn* is the service (RSU) level of the RSCS Domain Name Server.

### System action

Normal system operation continues.

## User response

If this is not the correct RSU level, make sure the ACHALVL DATA files is current from the latest RSU tape on the RSCS 403 minidisk.

---

**DMT1016I**      **RSCS Domain Name Server shutting down**

## Explanation

Issued in response to the SHUTDOWN command entered on the RSCSDNS console.

## System action

RSCSDNS has started shutdown processing and will terminate shortly.

## User response

None.

---

**DMT1018I**      **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.

## User response

None.

---

**DMT1019I**      **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.

## User response

None.

---

**DMT1020I**      **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.

## User response

The only way to break out of this timed loop is to issue #CP IPL on the console.

---

**DMT1021I**      **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.

## User response

If the problem persists, contact IBM support.

---

**DMT1022I**      **Timeout exceeded while waiting for data.**

## Explanation

The RSCS Domain Name server did not receive any data from the client that initiated the connect request. The RSCS Domain Name server waits five seconds to receive data. The connection is terminated when the time limit is exceeded.

## System action

Normal system operation continues.

## User response

None.

---

**DMT1023I**      **Waiting for host name data on date/time**

## Explanation

The RSCS Domain Name Server has accepted a connect request and is waiting to receive the host name to resolve.

## System action

Normal system operation continues.

## User response

None.

| | |
|---|---|
| **DMT1024I** | **Host name *host_name* received, attempting to resolve IP address** |

## Explanation

The RSCS Domain Name Server received a request from an RSCS server for the indicated host name and is attempting to resolve the IP address.

## System action

Normal system operation continues.

## User response

None.

# Chapter 7. RSCS Data Interchange Manager Messages

The following are Data Interchange Manager messages issued by the RSCS Interchange server. The format of the message identifiers is ACHA*xxnnnc* For example:

**ACHA**
Identifies that it is an RSCS Interchange message.

**xx**
Indicates the module. However, in this documentation, the module is not shown as part of the message.

**nnn**
Indicates the message number.

**c**
Indicates the message severity code:

> **E**
> error message
>
> **I**
> Informational message
>
> **R**
> Reply message
>
> **S**
> Severe message
>
> **T**
> Termination message
>
> **W**
> Warning message

Like RSCS messages, the RSCS Interchange server messages can be issued to several destinations.

**C**
CP Operator

**R**
RSCS Console

**SCO**
RSCS link START Command Originator (for inactive RSCS links)

**T**
RSCS Interchange Server Console

**A**
RSCS Interchange Administrator

**L**
Log File

**U**
General User

---

**ACHA000I**     **RSCS Data Interchange Manager Function Level *nnn-nnnn* ready**

### Explanation

This message signals successful completion of the RSCS Interchange server initialization. *nnn* is the

---

      

function level and *nnnn* is the service (RSU) level of the RSCS Interchange server.

## System action

RSCS Interchange is ready for mail traffic, commands, and usual processing.

## User response

None.

## Destination

C, T, A, L

| ACHA001I | Reading configuration file *filename filetype filemode* |
|---|---|

## Explanation

During RSCS Interchange initialization, the configuration file identified by *filename filetype filemode* determines the setup of the RSCS Interchange server.

## System action

RSCS Interchange server initialization processing continues.

## User response

If *filename filetype filemode* is not the correct configuration file, restart the RSCS Interchange server with the correct *filename filetype filemode*.

## Destination

T

| ACHA002S | Required file *filename filetype filemode* not found. Server halting |
|---|---|

## Explanation

The RSCS Interchange configuration file *filename filetype filemode* was not found on any disk accessed by the RSCS Interchange server.

## System action

Server initialization stops, but the server remains logged on.

## User response

Restart the RSCS Interchange server with a configuration file that is on an accessed disk, or access

the proper disk where *filename filetype filemode* resides. Then, restart the RSCS Interchange server.

## Destination

C, T, A, L

| ACHA005I | Location *node(userid)* executing: *command text* |
|---|---|

## Explanation

The RSCS Interchange server is executing the *command text* as sent by the user at *node(userid)*.

## System action

The RSCS Interchange server attempts to process *command text*, and processing continues.

## User response

None.

## Destination

T, L

| ACHA006I | Message from *userid*: *message text* |
|---|---|

## Explanation

The message with *message text* from *userid* was sent to the RSCS Interchange server.

## System action

The message text is displayed on the RSCS Interchange server console, and processing continues.

## User response

None.

## Destination

T

| ACHA010I | RSCS Interchange Function Level *nnn-nnnn* initializing on *ddmmmyy hh:mm:ss* |
|---|---|

## Explanation

This message is displayed at the start of RSCS Interchange initialization. The function level and service level, *nnn-nnnn* and date and time of initialization are displayed.

## System action

Initialization processing continues.

## User response

None.

## Destination

T

| ACHA070E | Unable to write file *filename filetype filemode* - return code=*rc* from EXECIO |
|---|---|

## Explanation

The RSCS Interchange server encountered an error writing to the file *filename filetype filemode*. The return code from EXECIO was *rc*.

## System action

The error message is logged. Depending on the error, the RSCS Interchange server may continue processing, or if the error persists, it may stop.

## User response

See *z/VM: CMS Commands and Utilities Reference* for information about the EXECIO return codes and appropriate actions.

## Destination

C, T, A, L

| ACHA071E | Error *rc* from ACHAWAIT |
|---|---|

## Explanation

An error, *rc*, has occurred in the RSCS Interchange server wait routine.

## System action

The message is logged and the RSCS Interchange server terminates, but it remains logged on.

## User response

The following are possible codes from ACHAWAIT:

**28**
No Parameter file found (PARM option used)

**100**
No Parameter specified

**101**
Empty file found in reader; RDR command return code 1

**103**
RDR command return code 3

**200**
ACHAWAIT option not valid

**201**
Virtual reader is not operational; RDR command return code 100.

**202**
Error from CP SPOOL RDR HOLD command

**203**
HOURS specified not valid

**204**
MINUTES specified not valid

**205**
SECONDS specified not valid

**206**
ACHAWAIT parameter not valid

**207**
Error reading parameter file

**208**
Error from VMCF AUTHORIZE specification

**209**
VMCF SENDX length is greater than 100

**210**
VMCF data transfer error

**211**
Error writing out parameter file

**212**
Time parameter in error in parameter file

**213**
Parameter not on a read/write disk

**214**
I/O or new external PSW error

**215**
Conflicting TIME specification

**3xx**
IUCV error xx (see *z/VM: CP Programming Services* for more information)

## Destination

C, T, A, L

| ACHA091T | Initialization failure -- RSCS Data Interchange Manager Terminated |
|---|---|

## Explanation

An error has occurred during RSCS Interchange server initialization. Most likely, an error occurred during the configuration file processing.

## System action

The RSCS Interchange server terminates, but it remains logged on.

## User response

Determine the error from previous error messages to the RSCS Interchange console and correct the error accordingly.

## Destination

C, T, A, L

**ACHA100I**          **RSCS Interchange Terminated**

## Explanation

The RSCS Interchange server has stopped by usual operation.

## System action

The RSCS Interchange server stops and remains logged on, unless the server was stopped using the STOP command with the LOGOFF option.

## User response

Restart the RSCS Interchange server when ready.

## Destination

C, T, A, L

**ACHA101E**          **Invalid parameter *parameter***

## Explanation

A parameter, *parameter*, that is not valid was detected by the RSCS Interchange server ACHAMAIN routine during initialization. The configuration file name specification may not have been valid.

## System action

RSCS Interchange initialization terminates. The RSCS Interchange server terminates, but it remains logged on.

## User response

Specify the correct configuration file when restarting the RSCS Interchange server.

## Destination

T

**ACHA102E**          **Invalid option *option***

## Explanation

During initialization, an option on the ACHAMAIN specification was found to be in error. Most likely, *option* was not "LANGUAGE".

## System action

The RSCS Interchange server terminates, but it remains logged on.

## User response

Specify the correct LANGUAGE option when restarting the RSCS Interchange server.

## Destination

T

**ACHA103E**          **Your VM level must be VM/ESA 120 or above**

## Explanation

An attempt was made to start the RSCS Interchange server under an incorrect level of VM/ESA®.

## System action

The RSCS Interchange server terminates but it remains logged on.

## User response

Ensure that the RSCS Interchange server is started on a system running VM/ESA Version 1 Release 2.0 or later.

## Destination

T

**ACHA104I**          **File *spoolid* spooled to *userid* -- origin *node(userid) date time***

## Explanation

The file *spoolid* has been successfully delivered from *node(userid)* to *userid*.

## System action

Processing continues.

## User response

None.

## Destination

T, U

---

**ACHA106E**  **File *spoolid* rejected by security exit**

## Explanation

The file *spoolid* was sent to the RSCS Interchange server for processing, but it was rejected by a security exit written by your system support.

## System action

The *spoolid* is transferred to the system administrator user ID, and processing continues.

## User response

Analyze the file to determine the security problem and take appropriate action.

## Destination

T, A, L, U

---

**ACHA107E**  **Unable to transfer file *spoolid* to *userid*, rc=*return code***

## Explanation

RSCS Interchange issues this message when the RSCS Interchange server needs to transfer a file, either back to a local user, or to the system administration user ID but is unable because of the *return code* from the TRANSFER command.

## System action

The RSCS Interchange server holds the file, and processing continues.

## User response

None.

## Destination

T, A, L

---

**ACHA108E**  **Invalid destination address on file *spoolid***

## Explanation

The *spoolid* file was sent for processing, but it contained an address that the RSCS Interchange server could not process. Either the z/VM user did not exist for mail from an IP user or the IP user did not exist for mail from a z/VM user.

## System action

The RSCS Interchange server rejects the mail file and returns it to the user or the system administrator user ID. Processing continues.

## User response

Correct the destination and resend the mail.

## Destination

T, A, L

---

**ACHA109E**  **File *spoolid* held**

## Explanation

Processing for *spoolid* could not be performed because of processing errors on the file. The spool file is changed to HOLD in the RSCS Interchange server's reader.

## System action

The file remains in the RSCS Interchange server reader until it is changed to NOHOLD. Processing continues.

## User response

If file processing is desired, change the file to NOHOLD by executing the following command on the RSCS Interchange server:

```
CP CHANGE spoolid NOHOLD
```

If the problem persists, purge the file:

```
CP PURGE spoolid
```

## Destination

T, A, L, U

## ACHA110E     File *spoolid* has been transferred with a store and forward tag

### Explanation

The file, *spoolid*, originated by a local user, not RSCS or SMTP, had a store and forward tag associated with it. RSCS Interchange will not accept files with store and forward tags from general users.

### System action

The file is rejected by RSCS Interchange and transferred to the system administrator user ID. Processing continues.

### User response

Resend the mail file without a store and forward tag.

### Destination

T, A, L

## ACHA111E     User *userid* not in CP directory - command ignored

### Explanation

The DEBUG command was requested with the "TO *userid*" option, but *userid* does not exist.

### System action

The DEBUG command is ignored, and processing continues.

### User response

Enter the DEBUG command again with a valid user ID.

### Destination

U

## ACHA112S     User *userid* not in CP directory

### Explanation

You tried to specify a user ID for ADMIN, RSCSNAME, or SMTPNAME statements in the RSCS Interchange configuration file, but the *userid* did not exist.

### System action

The message is logged and the statement in error is displayed. RSCS Interchange initialization is terminated. The RSCS Interchange server halts, but it remains logged on.

### User response

Correct the user ID on the appropriate configuration file statement.

### Destination

C, T, A, L

## ACHA113S     Duplicate user *userid* specified for *statement1* and *statement2*

### Explanation

User IDs were specified for ADMIN, RSCSNAME, or SMTPNAME, but a subsequent statement with the same *userid* was found.

### System action

The message is logged and RSCS Interchange initialization is halted. The RSCS Interchange server terminates, but it remains logged on.

### User response

Correct the appropriate RSCS Interchange configuration file statement and restart the RSCS Interchange server.

### Destination

C, T, A, L

## ACHA114E     Invalid RDR return code=*rc* for file *spoolid*

### Explanation

The CMS RDR command was used to interrogate the file *spoolid*, but an error *rc* was encountered.

### System action

The file is rejected by RSCS Interchange and transferred to the system administrator user ID. Processing continues.

### User response

See *z/VM: CMS Commands and Utilities Reference* for details on the RDR command return codes and appropriate actions.

### Destination

T, A, L, U

## ACHA115E     Invalid Netdata type=*type* for file *spoolid*

## Explanation

The file *spoolid* is the incorrect Netdata type, *type*. Only MAIL Netdata files are accepted by RSCS Interchange.

## System action

The file is rejected by RSCS Interchange and transferred to the system administrator user ID. Processing continues.

## User response

Send the correct type of MAIL to RSCS Interchange.

None.

## Destination

T, A, L, U

| | |
|---|---|
| **ACHA116E** | **File *spoolid* conversion to SMTP failed, result=*code*** |

## Explanation

The RSCS Interchange server attempted to convert a mail file *spoolid* from z/VM to SMTP format for delivery by SMTP, but an error occurred, identified by *code*.

## System action

The file is rejected by RSCS Interchange and transferred to the system administrator user ID. Processing continues.

## User response

For *code*= 1, a PROFS™ or OV/VM mail file contained errors. Examine the file to determine the error, and resend the file as needed.

## Destination

T, A, L, U

| | |
|---|---|
| **ACHA117E** | **Invalid PROFS or OV/VM format file *spoolid* at line *linenum*, rc=*rc*** |

## Explanation

The PROFS or OV/VM file *spoolid* was scanned for Header, Subject:, and Trailer during processing, and an error, *rc*, occurred at the line number of the reader file specified by *linenum*.

## System action

The file is rejected by RSCS Interchange and transferred to the system administrator user ID. Processing continues.

## User response

None.

## Destination

T, A, L, U

| | |
|---|---|
| **ACHA118S** | **Unable to set alternate ID *userid*, rc=*return code* from ACHAD4** |

## Explanation

During processing of mail files, RSCS Interchange uses Diagnose code X'D4' using the ACHAD4 MODULE to set up an alternate ID *userid* as the owner of the resultant spool file. An error *return code* has occurred from ACHAD4 as follows:

**4**

An I/O error has occurred during Diagnose code X'D4' processing.

**8**

Alternate user ID not found during Diagnose code X'D4' processing

**12**

External security manager authorization denied

**16**

Alternate user ID currently set through APPC/VM

**20**

RSCS Interchange server not authorized for Diagnose code X'D4'

**24**

Syntax error on ACHAD4 call

## System action

The RSCS Interchange server is terminated.

## User response

Take the following steps to correct the error; then, restart the RSCS Interchange server:

- Ensure the RSCS Interchange server has proper authorization for Diagnose code X'D4'

- Ensure the RSCS Interchange server has not been used previously as an APPC/VM resource

- Check that the external security manager (if any) has the Diagnose code X'D4' event authorized properly

- Check that the call to ACHAD4 has not been modified in the ACHAMAIN routine.

## Destination

C, T, A, L

---

**ACHA119E**         **File delivered to ADMIN**

## Explanation

When the z/VM destination address for a file is not in the CP directory, the file is transferred to the system administrator user ID.

## System action

The file is transferred to the system administrator user ID, and normal processing continues.

## User response

Analyze the file to determine if the file can be delivered or purged.

## Destination

T, A, L

---

**ACHA120E**         **Invalid filetype *filetype* for file *spoolid***

## Explanation

A non-mail file of type *filetype* has been detected by RSCS Interchange. This file type is not processed by RSCS Interchange and is rejected.

## System action

The file is rejected by RSCS Interchange and sent back to the user.

## User response

None.

## Destination

T, A, L, U

---

**ACHA121E**         **Error from ACHADDL, rc=*return code***

## Explanation

ACHADDL is the conversion routine for mail files from SMTP to CMS notes. An error has occurred, as indicated by the *return code*. This error code can be

any of the valid return codes from the CMS FSTATE, FSOPEN, or FSREAD macros, or the PUNCH command. See *z/VM: CMS Commands and Utilities Reference* for information about these return code values.

If the *return code* value is 60, an incorrect number of parameters may have been specified in the SMTP address of the mail file.

## System action

The file is held in the RSCS Interchange server reader for future analysis.

## User response

Change the file to NOHOLD; if the error persists, contact your local support.

## Destination

T, A, L

---

**ACHA122E**         **Unauthorized override address *override* in file *spoolid***

## Explanation

The file, *spoolid*, was sent for processing, but it contained a nickname override that was not authorized. The RSCS Interchange server has been set up to allow one override only. This override can be found by querying the RSCS Interchange server with the QUERY SYSTEM command.

## System action

The mail file is rejected by the RSCS Interchange server. Processing continues.

## User response

Correct the override, and resend the mail.

## Destination

T, A, L, U

---

**ACHA124I**         **File truncated by ACHADDL, rc=61**

## Explanation

The file being opened by ACAHDDL has a record length that is greater than 251.

## System action

The records contained in this file will be truncated to 251 characters.

## User response

None.

## Destination

T, A, L

---

**ACHA147I**      **Sent file *spoolid* from *node(userid)* through SMTP to *smtpaddr***

## Explanation

The mail file *spoolid* was successfully sent to SMTP for delivery to SMTP user at *smtpaddr*. from user *node(userid)*.

## System action

The message is logged and processing continues.

## User response

None.

## Destination

U, T, L

---

**ACHA148I**      **Sent file to *node(userid)* from SMTP user *smtpaddr***

## Explanation

RSCS Interchange has delivered a mail file to *node(userid)* from the SMTP user *smtpaddr*.

## System action

Processing continues.

## User response

None.

## Destination

T, L, U

---

**ACHA173I**      **CP: *command response text***

## Explanation

A CP command was requested, and the response is returned to the requester with this message.

## System action

Response is sent, and processing continues.

## User response

None.

## Destination

U

---

**ACHA175I**      **CP: Return code = *rc***

## Explanation

A CP command was requested to be executed on the RSCS Interchange server, and *rc* is the return code from that command.

## System action

The message is sent and processing continues.

## User response

None.

## Destination

U

---

**ACHA176I**      **CMS: Return code = *rc***

## Explanation

A CMS command was requested to be executed on the RSCS Interchange server, and *rc* is the return code from that command.

## System action

The message is sent and processing continues.

## User response

None.

## Destination

U

---

**ACHA177W**      **CP: Response was truncated**

## Explanation

The response returned by a CP command was too long for RSCS Interchange to handle and was truncated.

## System action

The truncated message is sent to the CP command issuer and processing continues.

## User response

None.

## Destination

U

---

**ACHA201E**      **Invalid command *command***

## Explanation

The *command* is not a valid command on the RSCS Interchange server.

## System action

The command is ignored and processing continues.

## User response

Correct the command and enter it again.

## Destination

U

---

**ACHA202E**      **Invalid nickname *nickname***

## Explanation

The nickname specified in an RSCS Interchange server command was not valid. It contained characters that were not valid or it was too long.

## System action

The command is ignored and processing continues.

## User response

Enter the command again with the correct nickname.

## Destination

U

---

**ACHA203E**      **Invalid SMTP address *smtpaddr***

## Explanation

The nickname specified in an RSCS Interchange server command was not valid.

## System action

The command is ignored and processing continues.

## User response

Enter the command with the correct SMTP address.

## Destination

U

---

**ACHA204E**      **Invalid keyword *keyword***

## Explanation

During RSCS Interchange initialization processing, a configuration file statement contained a keyword that was not valid.

## System action

The statement in error is displayed and installation processing continues.

## User response

Correct the keyword on the appropriate configuration file statement, and restart the RSCS Interchange server as necessary.

## Destination

U

---

**ACHA205E**      **Conflicting keyword *keyword***

## Explanation

During RSCS Interchange initialization processing, a configuration file statement contained a valid keyword that conflicts with another valid keyword.

## System action

The statement in error is displayed and initialization processing continues.

## User response

Correct the keyword on the appropriate configuration file statement, and restart the RSCS Interchange server as necessary.

## Destination

U

---

**ACHA206E**      **Invalid option *keyword option***

## Explanation

During RSCS Interchange initialization processing, a configuration file statement contained a valid keyword with an option that was not valid.

## System action

The statement in error is displayed and initialization processing continues.

## User response

Correct the option on the appropriate configuration file statement, and restart the RSCS Interchange server, as necessary.

## Destination

U

---

**ACHA208E**          **Invalid user ID** *userid*

## Explanation

The *userid* was supplied on either a configuration file statement or a command, but it was not valid. It contained characters that were not valid or it had too many characters.

## System action

The configuration file statement or command is ignored, and processing continues.

## User response

Correct the user ID as appropriate.

## Destination

U

---

**ACHA209E**          **Restricted command** *command*

## Explanation

You attempted to enter a privileged command that you were not authorized to enter.

## System action

The command is ignored and processing continues.

## User response

Contact the system administrator to enter the command on your behalf.

## Destination

U

---

**ACHA212E**          **Nickname** *nickname* **already defined**

## Explanation

You requested that a nickname be added to the RSCS Interchange nickname table using the NICK ADD or RESTRICT ADD commands, but the *nickname* already existed in the table.

## System action

The command is ignored and processing continues.

## User response

Use QUERY NICKNAME to determine if the information you requested to be added to the table is correct. If so, no further action is necessary. If not, choose another nickname and enter the command again.

## Destination

U

---

**ACHA213E**          **IP Address** *smtpaddr* **already in use**

## Explanation

You requested that a nickname be added to the RSCS Interchange nickname table using the NICK ADD or RESTRICT ADD commands, but the SMTP address *smtpaddr* already existed in the table.

## System action

The command is ignored and processing continues.

## User response

Use QUERY NICKNAME to determine the nickname for the SMTP address *smtpaddr* and use this nickname in the future.

## Destination

U

---

**ACHA214E**          **Nickname** *nickname* **not found**

## Explanation

You requested that a nickname be changed or deleted from the RSCS Interchange nickname table using the NICK CHANGE, NICK DELETE, RESTRICT ADD, or

RESTRICT DELETE commands, but *nickname* was not in the table.

## System action

The command is ignored and processing continues.

## User response

Correct the nickname and enter the command as appropriate.

## Destination

U

---

**ACHA215E**     Invalid filename *filename*

## Explanation

During initialization processing, the file name specified on the NICKTABLE configuration file statement was not valid.

## System action

The configuration file in error is displayed and initialization processing continues.

## User response

Correct the file name on the NICKTABLE configuration file statement and restart the RSCS Interchange server, as necessary.

## Destination

T, A

---

**ACHA216E**     Invalid filetype *filetype*

## Explanation

During initialization processing, the file type specified on the NICKTABLE configuration file statement was not valid.

## System action

The configuration file in error is displayed and initialization processing continues.

## User response

Correct the file type on the NICKTABLE configuration file statement and restart the RSCS Interchange server, as necessary.

## Destination

T, A

---

**ACHA217E**     Invalid filemode *filemode*

## Explanation

During initialization processing, the file mode specified on the NICKTABLE configuration file statement was not valid.

## System action

The configuration file in error is displayed and initialization processing continues.

## User response

Correct the file mode on the NICKTABLE configuration file statement and restart the RSCS Interchange server, as necessary.

## Destination

T, A

---

**ACHA220E**     User *userid* already in list

## Explanation

You tried to add a user ID to the inform user list using ADDINFORM or you tried to add a user ID to the privileged user list using ADDPRIV. The user ID was already there.

## System action

The command is ignored and processing continues.

## User response

None.

## Destination

U

---

**ACHA221I**     User *userid* added to list

## Explanation

This message tells you that you successfully added a user ID to the inform user list using ADDINFORM or to the privileged user list using ADDPRIV.

## System action

Processing continues.

## User response

None.

## Destination

U

---

**ACHA222E**        **User *userid* not in list**

## Explanation

You tried to delete a user ID from the notify user list using DELINFORM or from the privileged user list using DELPRIV. The user ID was not on the list.

## System action

The command is ignored and processing continues.

## User response

None.

## Destination

U

---

**ACHA223I**        **User *userid* deleted from list**

## Explanation

This message tells you that you successfully deleted a user ID from the notify users list using DELINFORM or from the privileged user list using DELPRIV.

## System action

Processing continues.

## User response

None.

## Destination

U

---

**ACHA224E**        **User *userid* is the ADMIN user**

## Explanation

A configuration file statement or command contained a user ID that has already been specified as the ADMIN user. This user ID cannot be used to add to lists of authorized and informed users, because it is authorized and informed by default.

## System action

The configuration file statement in error is displayed and ignored, or the command in error is ignored.

## User response

Delete the user ID from the erroneous statement and restart the RSCS Interchange server as appropriate, or enter the command with the correct user ID.

## Destination

U

---

**ACHA225E**        **User *userid* is the RSCS Interchange user**

## Explanation

A configuration file statement or command contained a user ID that is the RSCS Interchange server user ID. This user ID cannot be used to add to lists of authorized and informed users, because it is authorized and informed by default.

## System action

The configuration file statement in error is displayed and ignored, or the command in error is ignored.

## User response

Delete the user ID from the erroneous statement and restart the RSCS Interchange server as appropriate, or enter the command with the correct user ID.

## Destination

U

---

**ACHA226I**        **Quick nickname enabled**

## Explanation

The "quick nickname" mode has been turned on using the QNICK ON command.

## System action

RSCS Interchange is ready to accept NICK command requests, without rewriting the nickname file to disk after each command. The file will not be rewritten to disk until the QNICK OFF command is issued.

## User response

Enter your NICK command requests and when completed, enter the QNICK OFF command to tell

the RSCS Interchange server to rewrite the nickname table to disk, thus activating the nickname changes you entered.

## Destination

T, A, U

---

**ACHA227I**       **Quick nickname disabled**

## Explanation

The "quick nickname" mode has been turned off using the QNICK OFF command.

## System action

RSCS Interchange will now rewrite the nickname table to disk after processing the preceding NICK command requests, thus activating those changes.

## User response

None.

## Destination

T, A, U

---

**ACHA342E**       **Nickname *nickname* owned by *node(userid)***

## Explanation

An attempt was made to delete or change a nickname table entry that was not owned by the user issuing the request.

## System action

The command is ignored and processing continues.

## User response

Delete or change a nickname table that is owned by you.

None.

## Destination

U

---

**ACHA401E**       **Invalid statement *statement***

## Explanation

During RSCS Interchange initialization processing, the statement found was not a valid RSCS Interchange configuration file statement.

## System action

The statement is ignored and initialization processing continues.

## User response

Correct the statement in error and restart the RSCS Interchange server as necessary.

## Destination

T, A

---

**ACHA402S**       **No DOMAIN specified**

## Explanation

During RSCS Interchange initialization, the configuration file has been processed, but no valid DOMAIN statement was found.

## System action

The RSCS Interchange server terminates, but it remains logged on.

## User response

Enter a valid DOMAIN statement in the RSCS Interchange configuration file and restart the RSCS Interchange server.

## Destination

C, T, A, L

---

**ACHA403S**       **No RSCSLINK specified**

## Explanation

During RSCS Interchange initialization, the configuration file has been processed, but no valid RSCSLINK statement was found.

## System action

The RSCS Interchange server terminates, but it remains logged on.

## User response

Enter a valid RSCSLINK statement in the RSCS Interchange configuration file and restart the RSCS Interchange server.

## Destination

C, T, A, L

## ACHA405E      Duplicate statement *statement*

### Explanation

During RSCS Interchange initialization, a valid *statement* was already found in the RSCS Interchange configuration file.

### System action

The statement in error is displayed and is ignored. Initialization processing continues.

### User response

Correct or delete the statement in error as appropriate and restart the RSCS Interchange server as necessary.

### Destination

T, A

## ACHA410W      Nickname file *filename* not found - no nicknames set

### Explanation

The nickname file specified by *filename* was not found. Either the default or the nickname specified on the NICKTABLE configuration file statement was not found. The RSCS Interchange server is initialized without any nicknames being defined.

### System action

Processing continues.

### User response

If the file name is not correct for the RSCS Interchange server to use, correct the NICKTABLE configuration file statement and restart the RSCS Interchange server.

**Note:** This is a usual message when starting the RSCS Interchange server for the very first time.

### Destination

T, A

## ACHA411E      Disk *mode* not accessed

### Explanation

The *mode* specified on the LOG_DISK configuration file statement was not accessed. Logging will continue on the RSCS Interchange server file mode A.

### System action

The statement is ignored and logging will continue on the RSCS Interchange server file mode A until corrected, and initialization processing continues.

### User response

Correct the LOG_DISK statement to the correct mode and restart the RSCS Interchange server, as necessary.

### Destination

T, A

## ACHA412E      User *userid* already authorized

### Explanation

During RSCS Interchange initialization, an AUTHORIZE configuration file statement was found with *userid*, but the user ID was previously defined as privileged.

### System action

The statement in error is displayed and is ignored. Initialization processing continues.

### User response

Correct the configuration file statement, as necessary.

### Destination

T, A

## ACHA430E      Exit routine *name* not loadable

### Explanation

During RSCS Interchange initialization, an EXIT statement was found with *name* specified, but *name* could not be found.

### System action

The statement in error is displayed and is ignored. Initialization processing continues.

### User response

Move the exit to an RSCS Interchange server disk, access the correct disk, or correct the statement, and restart the RSCS Interchange server.

### Destination

T, A

## ACHA431S    Invalid return code *rc* from exit routine *name*

### Explanation

The exit *name* has returned a return code *rc* that is not a valid return code for that exit routine.

### System action

The RSCS Interchange server is terminated.

### User response

Specific return codes are required for each RSCS Interchange exit type. Correct the return code and restart the RSCS Interchange server.

### Destination

C, T, A, L

## ACHA472E    MSGNOH ignored, virtual machine not privileged

### Explanation

During RSCS Interchange initialization, a MSGNOH statement was found, but the RSCS Interchange server was not privileged to enter that command. The MSG command will be used for messages by the RSCS Interchange server.

### System action

The statement is ignored and initialization processing continues.

### User response

If MSGNOH is desired, the RSCS Interchange server CP directory needs to be updated to include CLASS B privilege. Then the RSCS Interchange server can be restarted.

### Destination

T, A

## ACHA490I    *nn* log file(s) purged for being more than *nnn* day(s) old

### Explanation

During RSCS Interchange server processing, log files exceeded the LOG_KEEP limit and were purged.

### System action

The log file is erased from the log disk and processing continues.

### User response

None.

### Destination

T, A

## ACHA491I    *nn* nickname(s) purged for being more than *nnn* day(s) old

### Explanation

During RSCS Interchange server processing, *nn* nicknames exceeded the TEMP_KEEP limit and were deleted from the RSCS Interchange nickname table.

### System action

The nicknames are deleted from the nickname table and the table is rewritten to disk. Processing continues.

### User response

None.

### Destination

T, A

## ACHA501I    Temporary nickname *nickname* added for SMTP address *smtpaddr*

### Explanation

When a mail file arrives at the RSCS Interchange server from an SMTP address not found in the RSCS Interchange server nickname table, a nickname *nickname* is added to the table for that address, *smtpaddr*.

### System action

Processing continues.

### User response

This nickname is now used to identify the user *smtpaddr* until a permanent nickname is established.

### Destination

T, A, L

**ACHA502I**      **Nickname *nickname* added for SMTP address *smtpaddr***

## Explanation

This is in response to a successful NICK ADD command.

## System action

*nickname* is added to the RSCS Interchange nickname table. This message is not displayed when 'quick nickname mode' is on (through QNICK ON command).

## User response

*nickname* can now be used to address user *smtpaddr*.

## Destination

T, A, L, U

**ACHA503I**      **Nickname *nickname* changed to SMTP address *smtpaddr***

## Explanation

This is in response to a successful NICK CHANGE command.

## System action

*nickname* is changed in the RSCS Interchange nickname table. This message is not displayed when 'quick nickname mode' is on (through QNICK ON command).

## User response

*nickname* can now be used for user *smtpaddr*.

## Destination

T, A, L, U

**ACHA504I**      **Nickname *nickname* deleted**

## Explanation

This is in response to a successful NICK DELETE command.

## System action

*nickname* has been deleted from the RSCS Interchange nickname table. This message is not displayed when 'quick nickname mode' is on (through QNICK ON command).

## User response

*nickname* can no longer be used to address the SMTP user that was associated with this nickname.

## Destination

T, A, L, U

**ACHA505I**      **Restricted nickname *nickname* added for SMTP address *smtpaddr***

## Explanation

This is in response to a successful RESTRICT ADD command.

## System action

*nickname* is identified as restricted in the RSCS Interchange nickname table. This message is not displayed when 'quick nickname mode' is on (through QNICK ON command).

## User response

Mail cannot be sent to SMTP user at *smtpaddr*, because the user is restricted.

## Destination

T, A, L, U

**ACHA506I**      **Restricted nickname *nickname* changed to SMTP address *smtpaddr***

## Explanation

This is in response to a successful RESTRICT CHANGE command.

## System action

*nickname* is changed in the RSCS Interchange nickname table. This message is not displayed when 'quick nickname mode' is on (through QNICK ON command).

## User response

Mail for user *smtpaddr* is now restricted.

## Destination

T, A, L, U

**ACHA507I**      **Restricted nickname *nickname* deleted**

## Explanation

This is in response to a successful RESTRICT DELETE command.

## System action

The *nickname* has been deleted from the RSCS Interchange nickname table. This message is not displayed when "quick nickname mode" is on (through QNICK ON command).

## User response

The *nickname* is no longer a nickname in the table. The SMTP address that was associated with this nickname is no longer restricted.

## Destination

T, A, L, U

---

**ACHA610I**          **No nicknames defined**

## Explanation

A QUERY NICKNAME request was entered, but no nicknames were found.

## System action

Processing continues.

## User response

None.

## Destination

U

---

**ACHA611I**          **Nickname Type Owner Date SMTP Address**

## Explanation

This is a header file for displaying information from a QUERY NICKNAME request.

## System action

Processing continues.

## User response

None.

## Destination

U

---

**ACHA612I**          *requested information*

## Explanation

This message contains the information associated in the nickname table, inform user list, or privileged user list, depending on the command (QUERY DEBUG, QUERY NICKNAME, LISTINFORM, LISTPRIV).

## System action

Processing continues.

## User response

None.

## Destination

U

---

**ACHA613I**          **Inform users:**

## Explanation

This is a header file for displaying information from a LISTINFORM command.

## System action

Processing continues.

## User response

None.

## Destination

U

---

**ACHA614I**          **Authorized users:**

## Explanation

This is a header file for displaying information from a LISTPRIV command.

## System action

Processing continues.

## User response

None.

## Destination

U

---

### ACHA615I       No inform users defined

## Explanation

A LISTINFORM command was issued, but no notify users were found.

## System action

Processing continues.

## User response

None.

## Destination

U

---

### ACHA616I       No authorized users defined

## Explanation

A LISTPRIV command was issued, but no privileged users were found.

## System action

Processing continues.

## User response

None.

## Destination

U

---

### ACHA617I       Trace Area Setting

## Explanation

This is a header for the information from a QUERY DEBUG command.

## System action

Processing continues.

## User response

None.

## Destination

U

---

### ACHA618I       Nick Override is Only *identifier*

## Explanation

In response to a QUERY SYSTEM command, this message displays the override setting for nickname specifications. Only *identifier* can be used when overriding a nickname.

## System action

Processing continues.

## User response

Use only *identifier* when a nickname override is desired.

## Destination

U

---

### ACHA619I       Nick Override is All

## Explanation

In response to a QUERY SYSTEM command, this message displays the override setting for nickname specifications. All nicknames can be overridden in mail sent to the RSCS Interchange server for delivery.

## System action

Processing continues.

## User response

None.

## Destination

U

---

### ACHA620I       Nick Priv is ['On'|'Off']

## Explanation

In response to a QUERY SYSTEM command, this message displays the privilege setting for the NICK command.

## System action

Processing continues.

## User response

When Nick Priv is 'ON', general users cannot enter the NICK command to the RSCS Interchange server. Otherwise, anyone can enter the NICK command.

## Destination

U

---

**ACHA621I**         **Files processed =** *nnn***, rejected =** *mmm*

## Explanation

In response to a QUERY SYSTEM command, this message shows the activity of the RSCS Interchange server since its last restart.

## System action

Processing continues.

## User response

None.

## Destination

U

---

**ACHA622I**         **No exits enabled for** *type* **exit**

## Explanation

A QUERY EXITS command was issued, and this message shows that no exits for *type* are active. The *type* can be SEC, ACCT, CMDS, or FORMAT.

## System action

Processing continues.

## User response

None.

## Destination

U

---

**ACHA623I**         *type* **exits:** *name list*

## Explanation

A QUERY EXITS command was issued, and this message shows the exits active for *type*. The *type* can be SEC, ACCT, CMDS, or FORMAT.

## System action

Processing continues.

## User response

None.

## Destination

U

---

**ACHA624I**         **From Header Format is: [NORMAL | DOMAIN_ONLY]**

## Explanation

This message indicates how the From: header will be formatted in files that are sent to SMTP and are destined for a remote domain.

**NORMAL**
   The header contains the node ID of the system on which RSCS Interchange resides.

**DOMAIN_ONLY**
   The local node ID is removed from the header.

## System action

Processing continues.

## User response

None.

## Destination

U

---

**ACHA801I**         **Requested tracing set**

## Explanation

A DEBUG command was successfully executed.

## System action

Processing continues.

## User response

None.

## Destination

U

---

**ACHA802I**         **Exec is compiled - no tracing is possible**

## Explanation

DEBUG was requested, but the main RSCS Interchange server EXEC routine was compiled with the REXX Compiler. The REXX Compiler does not allow for REXX type tracing.

## System action

The command is ignored and processing continues.

## User response

If tracing is desired, disable the REXX Runtime Library, and restart the RSCS Interchange server. Then, enter the DEBUG command again.

## Destination

U

# Chapter 8. Creating Columnar Messages

This section contains three tables to help you issue the QUERY command that best fits your needs. The first table (Table 2 on page 203) lists the commands that generate columnar messages. Once you find 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 (Table 3 on page 208) 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 (Table 4 on page 215) 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 *z/VM: RSCS Networking Operation and Use*. For more information about the language-independent form of the QUERY command, see Chapter 9, "Understanding Language-Independent Messages," on page 223.

## Commands that Generate Columnar Messages

Table 2 on page 203 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 2 on page 203, you should know the type of information you want (files, links, groups, etc.). Find the appropriate command in the second column. Next, use the fourth column (**Column Header**) to specify which columns of information you want. 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 2. 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 2. RSCS Commands that Generate Columnar Messages (continued)*

| Message Number | Commands | Column Position | Column Header | QUERY SHOW Option |
|---|---|---|---|---|
| DMT659I | Query Files<br>Query *linkid* Active<br>Query *linkid* Queues<br>Query Queues | 1 | Pos in Q | POSinq |
| | | 2 | Loc ID | ID, SPID |
| | | 3 | Orig ID | ORIGID, OSPid |
| | | 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 *groupid*<br>Query GRoup *groupid* Links<br>Query System GRoups<br>Query System GRoups DISPlay Links | 1 | Group Name | — |
| | | 2-6 | Primary Links | — |
| | | 7 | Alternate Link | — |
| DMT631I | Query GRoup *groupid* Files<br>Query System GRoups DISPlay Files | 1 | Group Name | — |
| | | 2 | Sending | — |
| | | 3 | Receiving | — |
| | | 4 | Queued | — |
| | | 5 | Looping | — |
| | | 6 | Held | — |
| DMT641I | Query GRoup *groupid* GRoups | 1 | Group Name | — |
| | | 2-7 | Subordinate Groups | — |

*Table 2. RSCS Commands that Generate Columnar Messages (continued)*

| Message Number | Commands | Column Position | Column Header | QUERY SHOW Option |
|---|---|---|---|---|
| DMT639I | Query GRoup *groupid* Nodes | 1 | Group Name | — |
| | | 2-7 | Nodes in the Group | — |
| DMT632I | Query GRoup *groupid* Parentgroup | 1 | Group Name | — |
| | Query GRoup *groupid* Rootgroup | 2 | Parent Group | — |
| | Query System GRoups DISPlay Parentgroup | 3 | Root Group | — |
| | Query System GRoups DISPlay Rootgroup | | | |
| DMT677I | Query *linkid* | 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 | RETRIESDone |
| | | 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 2. RSCS Commands that Generate Columnar Messages (continued)*

| Message Number | Commands | Column Position | Column Header | QUERY SHOW Option |
|---|---|---|---|---|
| DMT636I | Query *nodeid*<br>Query NODE *nodeid*<br>Query NODE *nodeid* Links<br>Query System NODEs<br>Query System NODEs DISPlay Links | 1<br>2-6<br>7<br>8-12<br><br>13 | Node Name<br>Primary Links<br>Alternate Link<br>Nodes Routed Through Primary Links<br>Through Alternate | —<br>—<br>—<br>—<br><br>— |
| DMT630I | Query NODE *nodeid* Parentgroup<br>Query NODE *nodeid* Rootgroup<br>Query System NODEs DISPlay Parentgroup<br>Query System NODEs DISPlay Rootgroup | 1<br>2<br>3 | Node Name<br>Parent Group<br>Root Group | —<br>—<br>— |
| DMT678I | Query System Counts | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34 | Link Name<br>Link Status<br>Since Date Time<br>File KBytes Received<br>File KBytes Sent<br>Files Received<br>Files Sent<br>Message KBytes Received<br>Message KBytes Sent<br>Messages Received<br>Messages Sent<br>Spool I/O Reads<br>Spool I/O Writes<br>RPL RC<br>RPL Sense<br>RPL USense<br>RPL R15<br>RPL R0<br>VTAM Request Code<br>Files Sent Stream 1<br>Files Sent Stream 2<br>Files Sent Stream 3<br>Files Sent Stream 4<br>Files Sent Stream 5<br>Files Sent Stream 6<br>Files Sent Stream 7<br>Files Sent Stream 8 to 32<br>Average Spool Write Microsecs<br>Average Spool Read Microsecs<br>Average Line I/O Microsecs<br>I/O Count<br>I/O Errors<br>Timeouts<br>Base Address | LINK<br>STatus<br>SINCE<br>FILEINKbytes<br>FILEOUTKbytes<br>FILEIn<br>FILEOut<br>MSGINKbytes<br>MSGOUTKbytes<br>MSGIn<br>MSGOut<br>SPReads<br>SPWrites<br>RPLRc<br>RPLSense<br>RPLUSense<br>RPLR15<br>RPLR0<br>VTAMRequest<br>STREAM1<br>STREAM2<br>STREAM3<br>STREAM4<br>STREAM5<br>STREAM6<br>STREAM7<br>STREAM8to32<br>SPWRITETime<br>SPREADTime<br>LINEIOTime<br>IO<br>IOERRors<br>TIMEOuts<br>BASE |
| DMT687I | Query System Dest | 1<br>2 | PSF Destination<br>Base Address | NAME<br>BASE |
| DMT444I | Query System ITRace LINK *linkid* | 1<br>2-17<br>18<br>19<br>20 | Link Name<br>Trace Record Numbers<br>Trace Type<br>Record Number<br>Status | —<br>—<br>—<br>—<br>— |
| DMT445I | Query System ITRace Port *ccuu* | 1<br>2-17<br>18<br>19<br>20 | Port Addr<br>Trace Record Numbers<br>Trace Type<br>Record Number<br>Status | —<br>—<br>—<br>—<br>— |

*Table 2. RSCS Commands that Generate Columnar Messages (continued)*

| Message Number | Commands | Column Position | Column Header | QUERY SHOW Option |
|---|---|---|---|---|
| DMT446I | Query System ITRace Systemtask *task* | 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<br>Query System SETMsg DISPlay ALL | 1 | Dest Node | — |
| | | 2 | Dest User | — |
| | | 3-12 | Subscribed to Messages | — |
| DMT622I | Query System SETMsg DISPlay *nnn* | 1 | Dest Node | — |
| | | 2 | Dest User | — |
| | | 3 | Message Number | — |
| | | 4 | Status | — |

# Composite SHOW Options

Table 3 on page 208 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 3 on page 208 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, etc.). 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 203 explains how to use Table 2 on page 203 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 3 on page 208 to find one composite SHOW option that contains all (or most) of these options.

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 3. 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 |
| | | 44 | Status |
| | MSGInfo | 39 | Accept Msg |
| | | 40 | Queue Msg |
| | | 41 | Sent Msg |
| | | 42 | Final Msg |
| | ORIGInfo | 3 | Orig ID |
| | | 4 | Origin Node |
| | | 5 | Origin Userid |
| | | 6 | Orig Qual |
| | | 7 | Origin Time |

*Table 3. Composite SHOW Options (continued)*

| 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 |
| | 3800Info | 26 | Flash Name |
| | | 27 | Flash Count |
| | | 28 | Modify |
| | | 30 | Char 0 |
| | | 31 | Char 1 |
| | | 32 | Char 2 |
| | | 33 | Char 3 |

*Table 3. Composite SHOW Options (continued)*

| Commands | Composite QUERY SHOW Option | Column Position | Column Header |
|---|---|---|---|
| Query LINKs<br>Query System Links | ACTive | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9 | Link Name<br>Status<br>Type<br>Line Addr<br>LU Name<br>Logmode<br>Class<br>Queueing<br>Dispatch Priority |
| | COUNTs | 1<br>2<br>26<br>27<br>28<br>29<br>30 | Link Name<br>Status<br>Sending<br>Receiving<br>Queued<br>Looping<br>Held |
| | DEFault | 1<br>11<br>12<br>13<br>14<br>15<br>16<br>17 | Link Name<br>Default Type<br>Def Line<br>Default LU Name<br>Default Logmode<br>Def Class<br>Default Queueing<br>Default Dispatch Priority |
| | FCBInfo | 1<br>50<br>51 | Link Name<br>FCB Name<br>FCB Mode |
| | FULL | 1<br>2<br>3<br>4<br>5<br>6<br>8 | Link Name<br>Status<br>Type<br>Line Addr<br>LU Name<br>Logmode<br>Queueing |
| | RETRYInfo | 1<br>2<br>22<br>23<br>24 | Link Name<br>Status<br>Retry Option<br>Retries Done<br>Retry Time Left |
| | SLOwdown | 1<br>45<br>46<br>47<br>48 | Link Name<br>Slowdown Mode<br>Slowdown Delta<br>Slowdown Start<br>Slowdown Stop |

*Table 3. Composite SHOW Options (continued)*

| 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 |
| | | 14 | Link Queue |
| | | 44 | 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 |
| | | 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 | 1 | Pos in Q |
| | | 2 | Loc ID |
| | | 14 | Link Queue |
| | | 44 | Status |

*Table 3. Composite SHOW Options (continued)*

| 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 3. Composite SHOW Options (continued)*

| 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 z/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 4 on page 215 lists the maximum widths of individual columns. Use Table 4 on page 215 to calculate the length of a columnar message or to decide how to shorten a columnar message that wraps. Table 4 on page 215 identifies the:

- Column header
- Message number of the columnar message
- Column number within the columnar message
- Maximum width of the column header
- Maximum width of the column information.

Before using Table 4 on page 215, 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 2 on page 203 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 4 on page 215 (**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 4 on page 215, the actual message will be shorter than the total you calculated.)

## Example

The "Example" on page 203 and "Example" on page 208 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 2 on page 203 to calculate how many characters wrap onto the next line. Then, you would use Table 4 on page 215 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 4 on page 215 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 4. 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 |
| 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 |

**Columnar Messages**

*Table 4. Maximum Column Widths for QUERY SHOW Options (continued)*

| Column Header | Maximum Width of Header | Maximum Width of Information | Column Position | Message Number |
|---|---|---|---|---|
| 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 |

*Table 4. Maximum Column Widths for QUERY SHOW Options (continued)*

| Column Header | Maximum Width of Header | Maximum Width of Information | Column Position | Message Number |
|---|---|---|---|---|
| EP Name | 8 | 8 | 2 | DMT696I |
| Exit Number | 6 | 3 | 1 | DMT696I |
| 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 |

*Table 4. Maximum Column Widths for QUERY SHOW Options (continued)*

| Column Header | Maximum Width of Header | Maximum Width of Information | Column Position | Message Number |
|---|---|---|---|---|
| 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 |
| 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 |

*Table 4. Maximum Column Widths for QUERY SHOW Options (continued)*

| Column Header | Maximum Width of Header | Maximum Width of Information | Column Position | Message Number |
|---|---|---|---|---|
| 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 |

## Columnar Messages

*Table 4. Maximum Column Widths for QUERY SHOW Options (continued)*

| Column Header | Maximum Width of Header | Maximum Width of Information | Column Position | Message Number |
|---|---|---|---|---|
| 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 |
| 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 |

*Table 4. Maximum Column Widths for QUERY SHOW Options (continued)*

| Column Header | Maximum Width of Header | Maximum Width of Information | Column Position | Message Number |
|---|---|---|---|---|
| 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 |
| Task ID | 6 | 6 | 8 | DMT642I |

*Table 4. Maximum Column Widths for QUERY SHOW Options (continued)*

| Column Header | Maximum Width of Header | Maximum Width of Information | Column Position | Message Number |
|---|---|---|---|---|
| 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 |

# Chapter 9. Understanding Language-Independent Messages

Chapter 8, "Creating Columnar Messages," on page 203 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 (Chapter 8, "Creating Columnar Messages," on page 203) 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 *z/VM: RSCS Networking Operation and Use*.

## 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:

```
smsg 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 5 on page 224 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***
```

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 5 on page 224, 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.

Disclaimer: In the table below, Dnn is a list of possible dictionary terms and does not correspond to possible decimal fields, in particular for messages, DMT060E, DMT083E, DMT188E, and DMT190I.

*Table 5. RSCS Messages that Contain Dictionary Terms*

| Message Number | Variable Number | Dictionary Terms | |
|---|---|---|---|
| DMT006W | 1 | **D01** | SMSG |
| | | **D02** | MSG |
| | | **D03** | CMD |
| | | **D04** | REPLY |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT011I | 4 | **D01**<br>active<br>**D02**<br>inactive |
| DMT060E | 2 | **D01**<br>temporary shortage of VTAM® storage<br>**D02**<br>wrong password supplied on NETWORK START command<br>**D03**<br>incorrect APPLID on NETWORK START command<br>**D04**<br>APPLID on NETWORK START command was not found by VTAM<br>**D05**<br>VTAM is not initialized<br>**D06**<br>the ACB requested is currently being closed<br>**D07**<br>another application has already opened an ACB for the specified APPLID<br>**D08**<br>the VTAM operator issued a HALT command -- VTAM is shutting down<br>**D09**<br>VTAM has not been included as part of the operating system<br>**D10**<br>unknown reason |
| DMT073E | 1 | **D01**<br>LOGON<br>**D02**<br>LOSTERM<br>**D03**<br>NSEXIT<br>**D04**<br>RELREQ<br>**D05**<br>SCIP |
| | 2 | **D01**<br>CID<br>**D02**<br>RU<br>**D03**<br>LUNAME |
| DMT074I | 3 | **D01**<br>CLEANUP<br>**D02**<br>NSPE<br>**D03**<br>NOTIFY |
| DMT080E | 1 | **D01**<br>S<br>**D02**<br>U |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
| --- | --- | --- |
| DMT083E | 2 | **D01** - Initialize<br>**D02** - Terminate<br>**D03** - Socket<br>**D04** - Connect<br>**D05** - IOCTL<br>**D06** - SetSockOpt<br>**D07** - Select<br>**D08** - Recv<br>**D09** - RecvFrom<br>**D10** - Send<br>**D11** - Shutdown<br>**D12** - Close<br>**D13** - Accept<br>**D14** - Bind<br>**D15** - FCntl<br>**D16** - GetClientID<br>**D17** - GetHostID<br>**D18** - GetHostName<br>**D19** - GetPeerName<br>**D20** - GetSockName<br>**D21** - GetSockOpt<br>**D22** - GiveSocket<br>**D23** - Listen<br>**D24** - Read<br>**D25** - SendTo<br>**D26** - TakeSocket<br>**D27** - Write<br>**D28** - Cancel<br>**D29** - GetHostByName |
| | 5 | **D01** - Not an error<br>**D02** - Not owner<br>**D03** - No such file or directory<br>**D04** - No such process<br>**D05** - Interrupted system call<br>**D06** - I/O error<br>**D07** - No such device or address<br>**D08** - Argument list too long<br>**D09** - Exec format error<br>**D10** - Bad file number<br>**D11** - No children<br>**D12** - No more processes<br>**D13** - Not enough memory<br>**D14** - Permission denied<br>**D15** - Bad address<br>**D16** - Block device required<br>**D17** - Mount device busy<br>**D18** - File exists<br>**D19** - Cross-device link<br>**D20** - No such device<br>**D21** - Not a directory<br>**D22** - Is a directory<br>**D23** - Invalid argument<br>**D24** - File table overflow<br>**D25** - Too many open files<br>**D26** - Not a typewriter |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT083E (cont'd) | | **D27** - Text file busy |
| | | **D28** - File too large |
| | | **D29** - No space left on device |
| | | **D30** - Illegal seek |
| | | **D31** - Read-only file system |
| | | **D32** - Too many links |
| | | **D33** - Broken pipes |
| | | **D34** - Argument too large |
| | | **D35** - Result too large |
| | | **D36** - Operation would block |
| | | **D37** - Operation now in progress |
| | | **D38** - Operation already in progress |
| | | **D39** - Socket operation on non-socket |
| | | **D40** - Destination address required |
| | | **D41** - Message too long |
| | | **D42** - Protocol wrong type for socket |
| | | **D43** - Protocol not available |
| | | **D44** - Protocol not supported |
| | | **D45** - Socket type not supported |
| | | **D46** - Operation not supported on socket |
| | | **D47** - Protocol family not supported |
| | | **D48** - Address family not supported |
| | | **D49** - Address already in use |
| | | **D50** - Can't assign requested address |
| | | **D51** - Network is down |
| | | **D52** - Network is unreachable |
| | | **D53** - Network dropped connection on reset |
| | | **D54** - Software caused connection abort |
| | | **D55** - Connection reset by peer |
| | | **D56** - No buffer space available |
| | | **D57** - Socket is already connected |
| | | **D58** - Socket is not connected |
| | | **D59** - Can't send after socket shutdown |
| | | **D60** - Too many references: can't splice |
| | | **D61** - Connection timed out |
| | | **D62** - Connection refused |
| | | **D63** - Too many levels of symbolic links |
| | | **D64** - File name too long |
| | | **D65** - Host is down |
| | | **D66** - No route to host |
| | | **D67** - Directory not empty |
| | | **D68** - Too many processes |
| | | **D69** - Too many users |
| | | **D70** - Disc quota exceeded |
| | | **D71** - Stale NFS file handle |
| | | **D72** - Too many levels of remote in path |
| | | **D73** - Device is not a stream |
| | | **D74** - Timer expired |
| | | **D75** - Out of streams resources |
| | | **D76** - No message of desired type |
| | | **D77** - Trying to read unreadable message |
| | | **D78** - Identifier removed |
| | | **D79** - Deadlock condition |
| | | **D80** - No record locks available |
| | | **D81** - Machine is not on the network |
| | | **D82** - Object is remote |
| | | **D83** - The link has been severed |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
| --- | --- | --- |
| DMT083E (cont'd) | | **D84** - Advertise error<br>**D85** - srmount error<br>**D86** - Communication error on send<br>**D87** - Protocol error<br>**D88** - Multihop attempted<br>**D89** - Cross mount point (not an error)<br>**D90** - Remote address changed<br>**D91** - Bad socket-call<br>**D92** - IUCV header error<br>**D93** - Socket number out of range<br>**D94** - Socket number already in use<br>**D95** - IUCV error<br>**D96** - Offload box error<br>**D97** - Offload box restart<br>**D98** - Offload box down<br>**D99** - Conflicting call<br>**D100** - Call cancelled<br>**D101** - Offload beginthread failed<br>**D102** - Connect failure to RSCSDNS<br>**D103** - SSL server is not available<br>**D104** - Keyring not permitted<br>**D105** - Keyring not recognized<br>**D106** - Label not permitted<br>**D107** - Label not recognized<br>**D108** - Handshake in progress<br>**D109** - SSL close in progress<br>**D110** - Connection statically secured<br>**D111** - Connection already secured<br>**D112** - Connection not secure<br>**D113** - Timeout occurred in SSL<br>**D114** - Ready for Handshake<br>**D115** - Cleartext Resumed<br>**D116** - SSL Server Error<br>**D117** - SSL Send Error<br>**D118** - Maxconns Reached for SSL server<br>**D119** - TCP/IP Internal Error |
| DMT090T | 1 | **D01**<br>S<br>**D02**<br>U |
| DMT093T | 1 | **D01**<br>IUCVCOM<br>**D02**<br>IUCVINI |
| DMT095E | 1 | **D01**<br>S<br>**D02**<br>U |
| DMT104I | 2 | **D01**<br>spooled<br>**D02**<br>transferred |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT113I | 4 | **D01** <br> auto mode <br> **D02** <br> setup mode |
| DMT114E | 1 | **D01** <br> input <br> **D02** <br> output |
| | 3 | **D01** <br> devices <br> **D02** <br> storage |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT188E | 4 | **D01** - Not an error |
| | | **D02** - Not owner |
| | | **D03** - No such file or directory |
| | | **D04** - No such process |
| | | **D05** - Interrupted system call |
| | | **D06** - I/O error |
| | | **D07** - No such device or address |
| | | **D08** - Argument list too long |
| | | **D09** - Exec format error |
| | | **D10** - Bad file number |
| | | **D11** - No children |
| | | **D12** - No more processes |
| | | **D13** - Not enough memory |
| | | **D14** - Permission denied |
| | | **D15** - Bad address |
| | | **D16** - Block device required |
| | | **D17** - Mount device busy |
| | | **D18** - File exists |
| | | **D19** - Cross-device link |
| | | **D20** - No such device |
| | | **D21** - Not a directory |
| | | **D22** - Is a directory |
| | | **D23** - Invalid argument |
| | | **D24** - File table overflow |
| | | **D25** - Too many open files |
| | | **D26** - Not a typewriter |
| | | **D27** - Text file busy |
| | | **D28** - File too large |
| | | **D29** - No space left on device |
| | | **D30** - Illegal seek |
| | | **D31** - Read-only file system |
| | | **D32** - Too many links |
| | | **D33** - Broken pipes |
| | | **D34** - Argument too large |
| | | **D35** - Result too large |
| | | **D36** - Operation would block |
| | | **D37** - Operation now in progress |
| | | **D38** - Operation already in progress |
| | | **D39** - Socket operation on non-socket |
| | | **D40** - Destination address required |
| | | **D41** - Message too long |
| | | **D42** - Protocol wrong type for socket |
| | | **D43** - Protocol not available |
| | | **D44** - Protocol not supported |
| | | **D45** - Socket type not supported |
| | | **D46** - Operation not supported on socket |
| | | **D47** - Protocol family not supported |
| | | **D48** - Address family not supported |
| | | **D49** - Address already in use |
| | | **D50** - Can't assign requested address |
| | | **D51** - Network is down |
| | | **D52** - Network is unreachable |
| | | **D53** - Network dropped connection on reset |
| | | **D54** - Software caused connection abort |
| | | **D55** - Connection reset by peer |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
| --- | --- | --- |
| DMT188E (cont'd) | | **D56** - No buffer space available |
| | | **D57** - Socket is already connected |
| | | **D58** - Socket is not connected |
| | | **D59** - Can't send after socket shutdown |
| | | **D60** - Too many references: can't splice |
| | | **D61** - Connection timed out |
| | | **D62** - Connection refused |
| | | **D63** - Too many levels of symbolic links |
| | | **D64** - File name too long |
| | | **D65** - Host is down |
| | | **D66** - No route to host |
| | | **D67** - Directory not empty |
| | | **D68** - Too many processes |
| | | **D69** - Too many users |
| | | **D70** - Disc quota exceeded |
| | | **D71** - Stale NFS file handle |
| | | **D72** - Too many levels of remote in path |
| | | **D73** - Device is not a stream |
| | | **D74** - Timer expired |
| | | **D75** - Out of streams resources |
| | | **D76** - No message of desired type |
| | | **D77** - Trying to read unreadable message |
| | | **D78** - Identifier removed |
| | | **D79** - Deadlock condition |
| | | **D80** - No record locks available |
| | | **D81** - Machine is not on the network |
| | | **D82** - Object is remote |
| | | **D83** - The link has been severed |
| | | **D84** - Advertise error |
| | | **D85** - srmount error |
| | | **D86** - Communication error on send |
| | | **D87** - Protocol error |
| | | **D88** - Multihop attempted |
| | | **D89** - Cross mount point (not an error) |
| | | **D90** - Remote address changed |
| | | **D91** - Bad socket-call |
| | | **D92** - IUCV header error |
| | | **D93** - Socket number out of range |
| | | **D94** - Socket number already in use |
| | | **D95** - IUCV error |
| | | **D96** - Offload box error |
| | | **D97** - Offload box restart |
| | | **D98** - Offload box down |
| | | **D99** - Conflicting call |
| | | **D100** - Call cancelled |
| | | **D101** - Offload beginthread failed |
| | | **D102** - Connect failure to RSCSDNS |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT190I | 2 | **D01** - Not an error |
| | | **D02** - Not owner |
| | | **D03** - No such file or directory |
| | | **D04** - No such process |
| | | **D05** - Interrupted system call |
| | | **D06** - I/O error |
| | | **D07** - No such device or address |
| | | **D08** - Argument list too long |
| | | **D09** - Exec format error |
| | | **D10** - Bad file number |
| | | **D11** - No children |
| | | **D12** - No more processes |
| | | **D13** - Not enough memory |
| | | **D14** - Permission denied |
| | | **D15** - Bad address |
| | | **D16** - Block device required |
| | | **D17** - Mount device busy |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
| --- | --- | --- |
| DMT190I (cont'd) | | **D18** - File exists |
| | | **D19** - Cross-device link |
| | | **D20** - No such device |
| | | **D21** - Not a directory |
| | | **D22** - Is a directory |
| | | **D23** - Invalid argument |
| | | **D24** - File table overflow |
| | | **D25** - Too many open files |
| | | **D26** - Not a typewriter |
| | | **D27** - Text file busy |
| | | **D28** - File too large |
| | | **D29** - No space left on device |
| | | **D30** - Illegal seek |
| | | **D31** - Read-only file system |
| | | **D32** - Too many links |
| | | **D33** - Broken pipes |
| | | **D34** - Argument too large |
| | | **D35** - Result too large |
| | | **D36** - Operation would block |
| | | **D37** - Operation now in progress |
| | | **D38** - Operation already in progress |
| | | **D39** - Socket operation on non-socket |
| | | **D40** - Destination address required |
| | | **D41** - Message too long |
| | | **D42** - Protocol wrong type for socket |
| | | **D43** - Protocol not available |
| | | **D44** - Protocol not supported |
| | | **D45** - Socket type not supported |
| | | **D46** - Operation not supported on socket |
| | | **D47** - Protocol family not supported |
| | | **D48** - Address family not supported |
| | | **D49** - Address already in use |
| | | **D50** - Can't assign requested address |
| | | **D51** - Network is down |
| | | **D52** - Network is unreachable |
| | | **D53** - Network dropped connection on reset |
| | | **D54** - Software caused connection abort |
| | | **D55** - Connection reset by peer |
| | | **D56** - No buffer space available |
| | | **D57** - Socket is already connected |
| | | **D58** - Socket is not connected |
| | | **D59** - Can't send after socket shutdown |
| | | **D60** - Too many references: can't splice |
| | | **D61** - Connection timed out |
| | | **D62** - Connection refused |
| | | **D63** - Too many levels of symbolic links |
| | | **D64** - File name too long |
| | | **D65** - Host is down |
| | | **D66** - No route to host |
| | | **D67** - Directory not empty |
| | | **D68** - Too many processes |
| | | **D69** - Too many users |
| | | **D70** - Disc quota exceeded |
| | | **D71** - Stale NFS file handle |
| | | **D72** - Too many levels of remote in path |
| | | **D73** - Device is not a stream |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT190I (cont'd) | | **D74** - Timer expired |
| | | **D75** - Out of streams resources |
| | | **D76** - No message of desired type |
| | | **D77** - Trying to read unreadable message |
| | | **D78** - Identifier removed |
| | | **D79** - Deadlock condition |
| | | **D80** - No record locks available |
| | | **D81** - Machine is not on the network |
| | | **D82** - Object is remote |
| | | **D83** - The link has been severed |
| | | **D84** - Advertise error |
| | | **D85** - srmount error |
| | | **D86** - Communication error on send |
| | | **D87** - Protocol error |
| | | **D88** - Multihop attempted |
| | | **D89** - Cross mount point (not an error) |
| | | **D90** - Remote address changed |
| | | **D91** - Bad socket-call |
| | | **D92** - IUCV header error |
| | | **D93** - Socket number out of range |
| | | **D94** - Socket number already in use |
| | | **D95** - IUCV error |
| | | **D96** - Offload box error |
| | | **D97** - Offload box restart |
| | | **D98** - Offload box down |
| | | **D99** - Conflicting call |
| | | **D100** - Call cancelled |
| | | **D101** - Offload beginthread failed |
| | | **D102** - Connect failure to RSCSDNS |
| | | **D103** - SSL server is not available |
| | | **D104** - Keyring not permitted |
| | | **D105** - Keyring not recognized |
| | | **D106** - Label not permitted |
| | | **D107** - Label not recognized |
| | | **D108** - Handshake in progress |
| | | **D109** - SSL close in progress |
| | | **D110** - Connection statically secured |
| | | **D111** - Connection already secured |
| | | **D112** - Connection not secure |
| | | **D113** - Timeout occurred in SSL |
| | | **D114** - Ready for Handshake |
| | | **D115** - Cleartext Resumed |
| | | **D116** - SSL Server Error |
| | | **D117** - SSL Send Error |
| | | **D118** - Maxconns Reached for SSL server |
| | | **D119** - TCP/IP Internal Error |
| DMT191I | 2 | **D01** Node not found |
| | | **D02** Already connected |
| | | **D03** Open in progress |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms | |
|---|---|---|---|
| DMT193I | 2 | **D01** | connecting to |
| | | **D02** | disconnecting from |
| | | **D03** | unable to connect to |
| | 5 | **D01** | printer |
| | | **D02** | user |
| DMT194E | 2 | **D01** | host address |
| | | **D02** | port number |
| | | **D03** | printer name |
| DMT199I | 3 | **D01** | not logged on |
| | | **D02** | not running |
| | | **D03** | SEVERed RSCS |
| DMT209E | 1 | **D01** | command |
| | | **D02** | option |
| DMT213I | 2 | **D01** | accepted |
| | | **D02** | closed |
| DMT215I | 2 | **D01** | data |
| | | **D02** | control |
| | | **D03** | command |
| DMT218E | 1 | **D01** | command |
| | | **D02** | statement |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms | |
|---|---|---|---|
| DMT220E | 1 | **D01** | links |
| | | **D02** | destinations |
| | | **D03** | exit names |
| | | **D04** | spoolids |
| | | **D05** | message numbers |
| | | **D06** | channel addresses |
| | | **D07** | retry intervals |
| DMT256E | 2 | **D01** | HOSTNAME= |
| | | **D02** | HOSTID= |
| | | **D03** | PRINTER= |
| | | **D04** | SUFFIX= |
| | | **D05** | PREFIX= |
| | | **D06** | TRANS= |
| | | **D07** | FILTER= |
| | | **D08** | SEP= |
| | | **D09** | DESTADDR= |
| | | **D10** | TRANSFORM= |
| | | **D11** | TRANSLATE= |
| | 3 | **D01** | missing |
| | | **D02** | data invalid |
| | | **D03** | not allowed |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT257I | 1 | **D01** not enabled<br>**D02** not defined<br>**D03** an unknown error |
|  | 2 | **D01** RSCS initialization continuing<br>**D02** TCP Port redirector not started<br>**D03** RSCS/VTAM interface not started |
| DMT258I | 1 | **D01** not enabled<br>**D02** not defined<br>**D03** an unknown error |
| DMT260E | 2 | **D01** TAG<br>**D02** CONNECT |
| DMT304E | 1 | **D01** active<br>**D02** connect |
| DMT404E | 1 | **D01** on<br>**D02** off |
| DMT431I | 1 | **D01** on<br>**D02** off |
| DMT444I | 20 | **D01** on<br>**D02** off |
| DMT445I | 20 | **D01** on<br>**D02** off |
| DMT446I | 20 | **D01** on<br>**D02** off |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT448I | 1 | **D01**<br>yes<br>**D02**<br>no |
| | 3 | **D01**<br>on<br>**D02**<br>off |
| DMT453E | 1 | **D01**<br>PARM<br>**D02**<br>UPARM |
| DMT484E | 1 | **D01**<br>form<br>**D02**<br>FCB |
| DMT554E | 2 | **D01**<br>defined<br>**D02**<br>started |
| DMT556E | 1 | **D01**<br>Node<br>**D02**<br>Group |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT620I | 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 |
| | 3 | **D01** found |
| | | **D02** changed |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT622I | 4 | **D01**<br>subscribed<br>**D02**<br>not subscribed |
| DMT626I | 2 | **D01**<br>in use<br>**D02**<br>disabling<br>**D03**<br>enabled<br>**D04**<br>free |
| | 3 | **D01**<br>yes<br>**D02**<br>no |
| | 4 | **D01**<br>all<br>**D02**<br>log<br>**D03**<br>rec<br>**D04**<br>none |
| DMT628I | 2 | **D01**<br>all<br>**D02**<br>log<br>**D03**<br>rec<br>**D04**<br>none |
| DMT637E | 1 | **D01**<br>Node<br>**D02**<br>Group |
| DMT642I | 6 | **D01**<br>Internal<br>**D02**<br>Midnight<br>**D03**<br>System<br>**D04**<br>User |
| | 7 | **D01**<br>Suspend<br>**D02**<br>Active |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms | |
|---|---|---|---|
| DMT646E | 3 | **D01** | changed |
| | | **D02** | transferred |
| DMT653I | 6 | **D01** | retry=yes |
| | | **D02** | retry=no |
| | 8 | **D01** | queueing=priority |
| | | **D02** | queueing=size |
| | | **D03** | queueing=FIFO |
| | 9 | **D01** | autostart=yes |
| | | **D02** | autostart=no |
| DMT654I | 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 |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT659I | 34 | **D01** - sys<br>**D02** - user<br>**D03** - no |
| | 35 | **D01** - max-hop<br>**D02** - immed<br>**D03** - no |
| | 36 | **D01** - yes<br>**D02** - no |
| | 37 | **D01** - yes<br>**D02** - no |
| | 38 | **D01** - yes<br>**D02** - no |
| | 39 | **D01** - yes<br>**D02** - no |
| | 40 | **D01** - yes<br>**D02** - no |
| | 41 | **D01** - yes<br>**D02** - no |
| | 42 | **D01** - yes<br>**D02** - no |
| | 43 | **D01** - punch<br>**D02** - 3800-8<br>**D03** - 3800-3<br>**D04** - 3800-1<br>**D05** - printer<br>**D06** - unknown |
| | 44 | **D01** - sys-hold<br>**D02** - user-hold<br>**D03** - spec-hold<br>**D04** - hop-loop<br>**D05** - immed-loop<br>**D06** - exit-hold<br>**D07** - no stream<br>**D08** - trace<br>**D09** - sending<br>**D10** - receiving<br>**D11** - waiting |
| DMT667I | 3 | **D01** - messages<br>**D02** - files<br>**D03** - all<br>**D04** - not-rec<br>**D05** - commands |
| | 6 | **D01** - yes<br>**D02** - no |
| DMT674I | 1 | **D01** - link<br>**D02** - node |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT677I | 2 | **D01** - intreq<br>**D02** - released<br>**D03** - connect<br>**D04** - active<br>**D05** - retry-wait<br>**D06** - dial-queue<br>**D07** - starting<br>**D08** - RPL-wait<br>**D09** - logon-wait<br>**D10** - inactive |
| | 8 | **D01** - priority<br>**D02** - size<br>**D03** - FIFO |
| | 10 | **D01** - yes<br>**D02** - no |
| | 16 | **D01** - priority<br>**D02** - size<br>**D03** - FIFO |
| | 18 | **D01** - yes<br>**D02** - in<br>**D03** - out<br>**D04** - no |
| | 19 | **D01** - all<br>**D02** - log<br>**D03** - rec<br>**D04** - none |
| | 20 | **D01** - yes<br>**D02** - no |
| | 21 | **D01** - setup<br>**D02** - auto<br>**D03** - manual<br>**D04** - none |
| | 22 | **D01** - yes<br>**D02** - no |
| | 45 | **D01** - absolute<br>**D02** - relative |
| | 51 | **D01** - dynamic<br>**D02** - selection<br>**D03** - ignore |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT678I | 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 |
| DMT680I | 1 | **D01** Messages |
| | | **D02** Files |
| | | **D03** All |
| | | **D04** Not received messages |
| | | **D05** Commands |
| DMT681I | 1 | **D01** Messages |
| | | **D02** Files |
| | | **D03** All |
| | | **D04** Not received messages |
| | | **D05** Commands |
| DMT693I | 1 | **D01** Hops monitoring |
| | | **D02** Immediate loop checking |
| | 2 | **D01** enabled |
| | | **D02** disabled |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT694E | 1 | **D01**<br>Hops monitoring<br>**D02**<br>Immediate loop checking |
|  | 2 | **D01**<br>enabled<br>**D02**<br>disabled |
| DMT696I | 4 | **D01**<br>on<br>**D02**<br>off |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms | |
|---|---|---|---|
| DMT697I | 1 | **D01** | yes |
| | | **D02** | no |
| | 2 | **D01** | yes |
| | | **D02** | no |
| | 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** | RSCS*nnnn* |
| | 11 | **D01** | yes |
| | | **D02** | yes by default |
| | | **D03** | no |
| | | **D04** | no by default |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT699I | 2 | **D01**<br>hours<br>**D02**<br>hour |
| | 4 | **D01**<br>minutes<br>**D02**<br>minute |
| | 6 | **D01**<br>seconds<br>**D02**<br>second |
| | 7 | **D01**<br>west of GMT<br>**D02**<br>east of GMT<br>**D03**<br>GMT |
| DMT700I | 5 | **D01**<br>queueing=priority<br>**D02**<br>queueing=size<br>**D03**<br>queueing=FIFO |
| DMT707I | 5 | **D01**<br>queueing=priority<br>**D02**<br>queueing=size<br>**D03**<br>queueing=FIFO |
| DMT740I | 1 | **D01**<br>Node<br>**D02**<br>Group |
| | 3 | **D01**<br>primary<br>**D02**<br>alternate |
| DMT741I | 1 | **D01**<br>Node<br>**D02**<br>Group |
| DMT743E | 2 | **D01**<br>node<br>**D02**<br>group |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT747I | 2 | **D01**<br>nodes<br>**D02**<br>groups |
| DMT774I | 1 | **D01**<br>starting<br>**D02**<br>stopping<br>**D03**<br>ready<br>**D04**<br>stopped |
| DMT775I | 1 | **D01**<br>ready<br>**D02**<br>stopped |
| DMT807E | 2 | **D01**<br>without<br>**D02**<br>mismatching . |
| DMT812I | 5 | **D01**<br>The calculation of the total record length is in error<br>**D02**<br>An SO was found and the matching SI cannot fit within the record length<br>**D03**<br>An SI was found without the required preceding SO<br>**D04**<br>An SA was found within an SO/SI string<br>**D05**<br>An SO exists without the matching SI<br>**D06**<br>The record size is too large for the internal print buffer |
| DMT830E | 2 | **D01**<br>first line of file is blank<br>**D02**<br>multiple destinations without LISTPROC definition<br>**D03**<br>null message or missing distribution list delimiter |
| DMT880E | 1 | **D01**<br>no command specified<br>**D02**<br>specified time is before current time<br>**D03**<br>invalid time or range specified |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT882I | 2 | **D01**<br>deleted<br>**D02**<br>suspended<br>**D03**<br>resumed<br>**D04**<br>scheduled<br>**D05**<br>complete |
| DMT883I | 2 | **D01**<br>deleted<br>**D02**<br>suspended<br>**D03**<br>resumed<br>**D04**<br>scheduled<br>**D05**<br>complete |
| DMT884I | 1 | **D01**<br>ALL<br>**D02**<br>USER<br>**D03**<br>SYSTEM |
|  | 2 | **D01**<br>deleted<br>**D02**<br>suspended<br>**D03**<br>resumed |
| DMT885E | 1 | **D01**<br>USER or SYSTEM<br>**D02**<br>USER<br>**D03**<br>SYSTEM |
| DMT886E | 1 | **D01**<br>date<br>**D02**<br>time<br>**D03**<br>days of week<br>**D04**<br>range<br>**D05**<br>command |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT911E | 5 | **D01** <br> printer has no hardware FEATure defined <br><br> **D02** <br> printer not setup for translation <br><br> **D03** <br> TAG options do not match printer's FEATure |
| DMT926E | 4 | **D01** <br> graphics files must be PUNCH <br><br> **D02** <br> invalid CCW opcode <br><br> **D03** <br> RSCS buffer size too small <br><br> **D04** <br> premature end of file <br><br> **D05** <br> excessive data encountered <br><br> **D06** <br> negative acknowledgement received <br><br> **D07** <br> function not supported |
| DMT927E | 6 | **D01** <br> graphics files must be PUNCH <br><br> **D02** <br> invalid CCW opcode <br><br> **D03** <br> RSCS buffer size too small <br><br> **D04** <br> premature end of file <br><br> **D05** <br> excessive data encountered <br><br> **D06** <br> negative acknowledgement received <br><br> **D07** <br> function not supported |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT930E | 5 | **D01**<br>remote system in SHUTDOWN |
| | | **D02**<br>stream not supported |
| | | **D03**<br>stream drained |
| | | **D04**<br>unknown stream |
| | | **D05**<br>FCS conflict |
| | | **D06**<br>RIF received for unsupported stream |
| | | **D07**<br>insufficient real storage |
| | | **D08**<br>insufficient virtual storage |
| | | **D09**<br>insufficient spool space |
| | | **D10**<br>insufficient CPU resources |
| | | **D11**<br>lack of resources |
| | | **D12**<br>operator issued HOLD command |
| | | **D13**<br>operator issued STOP command |
| | | **D14**<br>operator issued FLUSH command |
| | | **D15**<br>operator issued command |
| | | **D16**<br>last transmission not correctly terminated |
| | | **D17**<br>compression or compaction error detected |
| | | **D18**<br>records sent out of sequence |
| | | **D19**<br>mixed RCBs encountered |
| | | **D20**<br>undefined RCB/SRCB combination |
| | | **D21**<br>protocol violation |
| | | **D22**<br>unsupported device |
| | | **D23**<br>datastream error |
| | | **D24**<br>file rejected by exit or security routine |
| | | **D25**<br>unknown reason |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT939E | 5 | **D01**<br>no job header received<br>**D02**<br>no dataset header received<br>**D03**<br>no job trailer received<br>**D04**<br>invalid header segment length<br>**D05**<br>unknown header type<br>**D06**<br>missing last header segment<br>**D07**<br>missing first header segment<br>**D08**<br>header segments out of order<br>**D09**<br>inconsistent header record types<br>**D10**<br>duplicate job header<br>**D11**<br>invalid header section length<br>**D12**<br>invalid spanned record length |
| DMT944E | 1 | **D01**<br>Command<br>**D02**<br>Message |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT945E | 3 | **D01**<br>remote system in SHUTDOWN<br>**D02**<br>stream not supported<br>**D03**<br>stream drained<br>**D04**<br>unknown stream<br>**D05**<br>FCS conflict<br>**D06**<br>RIF received for unsupported stream<br>**D07**<br>insufficient real storage<br>**D08**<br>insufficient virtual storage<br>**D09**<br>insufficient spool space<br>**D10**<br>insufficient CPU resources<br>**D11**<br>lack of resources<br>**D12**<br>operator issued HOLD command<br>**D13**<br>operator issued STOP command<br>**D14**<br>operator issued FLUSH command<br>**D15**<br>operator issued command<br>**D16**<br>last transmission not correctly terminated<br>**D17**<br>compression or compaction error detected<br>**D18**<br>records sent out of sequence<br>**D19**<br>mixed RCBs encountered<br>**D20**<br>undefined RCB/SRCB combination<br>**D21**<br>protocol violation<br>**D22**<br>unsupported device<br>**D23**<br>datastream error<br>**D24**<br>file rejected by exit or security routine<br>**D25**<br>unknown reason |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT954E | 5 | **D01**<br>remote system in SHUTDOWN<br>**D02**<br>stream not supported<br>**D03**<br>stream drained<br>**D04**<br>unknown stream<br>**D05**<br>FCS conflict<br>**D06**<br>RIF received for unsupported stream<br>**D07**<br>insufficient real storage<br>**D08**<br>insufficient virtual storage<br>**D09**<br>insufficient spool space<br>**D10**<br>insufficient CPU resources<br>**D11**<br>lack of resources<br>**D12**<br>operator issued HOLD command<br>**D13**<br>operator issued STOP command<br>**D14**<br>operator issued FLUSH command<br>**D15**<br>operator issued command<br>**D16**<br>last transmission not correctly terminated<br>**D17**<br>compression or compaction error detected<br>**D18**<br>records sent out of sequence<br>**D19**<br>mixed RCBs encountered<br>**D20**<br>undefined RCB/SRCB combination<br>**D21**<br>protocol violation<br>**D22**<br>unsupported device<br>**D23**<br>datastream error<br>**D24**<br>file rejected by exit or security routine<br>**D25**<br>unknown reason |
| DMT958E | 2 | **D01**<br>remote system fails to respond<br>**D02**<br>I/O completed incorrectly |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT960E | 3 | **D01**<br>PSERVIC<br><br>**D01**<br>RUSIZES |
| DMT969E | 3 | **D01**<br>COMPROT<br><br>**D02**<br>ENCR<br><br>**D03**<br>FMPROF<br><br>**D04**<br>PRIPROT<br><br>**D05**<br>PSERVIC<br><br>**D06**<br>SECPROT<br><br>**D07**<br>TSPROF<br><br>**D08**<br>TYPE |
| DMT972I | 1 | **D01**<br>printer<br><br>**D02**<br>workstation |

*Table 5. RSCS Messages that Contain Dictionary Terms (continued)*

| Message Number | Variable Number | Dictionary Terms |
|---|---|---|
| DMT973E | 5 | **D01**<br>remote system in SHUTDOWN |
| | | **D02**<br>stream not supported |
| | | **D03**<br>stream drained |
| | | **D04**<br>unknown stream |
| | | **D05**<br>FCS conflict |
| | | **D06**<br>RIF received for unsupported stream |
| | | **D07**<br>insufficient real storage |
| | | **D08**<br>insufficient virtual storage |
| | | **D09**<br>insufficient spool space |
| | | **D10**<br>insufficient CPU resources |
| | | **D11**<br>lack of resources |
| | | **D12**<br>operator issued HOLD command |
| | | **D13**<br>operator issued STOP command |
| | | **D14**<br>operator issued FLUSH command |
| | | **D15**<br>operator issued command |
| | | **D16**<br>last transmission not correctly terminated |
| | | **D17**<br>compression or compaction error detected |
| | | **D18**<br>records sent out of sequence |
| | | **D19**<br>mixed RCBs encountered |
| | | **D20**<br>undefined RCB/SRCB combination |
| | | **D21**<br>protocol violation |
| | | **D22**<br>unsupported device |
| | | **D23**<br>datastream error |
| | | **D24**<br>file rejected by exit or security routine |
| | | **D25**<br>unknown reason |

# Notices

This information was developed for products and services offered in the US. This material might be available from IBM in other languages. However, you may be required to own a copy of the product or product version in that language in order to access it.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

*IBM Director of Licensing*
*IBM Corporation*
*North Castle Drive, MD-NC119*
*Armonk, NY  10504-1785*
*US*

For license inquiries regarding double-byte character set (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

*Intellectual Property Licensing*
*Legal and Intellectual Property Law*
*IBM Japan Ltd.*
*19-21, Nihonbashi-Hakozakicho, Chuo-ku*
*Tokyo 103-8510, Japan*

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM websites are provided for convenience only and do not in any manner serve as an endorsement of those websites. The materials at those websites are not part of the materials for this IBM product and use of those websites is at your own risk.

IBM may use or distribute any of the information you provide in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

*IBM Director of Licensing*
*IBM Corporation*
*North Castle Drive, MD-NC119*
*Armonk, NY 10504-1785*
*US*

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

The performance data and client examples cited are presented for illustrative purposes only. Actual performance results may vary depending on specific configurations and operating conditions.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

Statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information may contain examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to actual people or business enterprises is entirely coincidental.

COPYRIGHT LICENSE:

This information may contain sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM shall not be liable for any damages arising out of your use of the sample programs.

# Trademarks

IBM, the IBM logo, and ibm.com® are trademarks or registered trademarks of International Business Machines Corp., in the United States and/or other countries. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on IBM Copyright and trademark information (https://www.ibm.com/legal/copytrade).

The registered trademark Linux® is used pursuant to a sublicense from the Linux Foundation, the exclusive licensee of Linus Torvalds, owner of the mark on a worldwide basis.

# Terms and Conditions for Product Documentation

Permissions for the use of these publications are granted subject to the following terms and conditions.

## Applicability

These terms and conditions are in addition to any terms of use for the IBM website.

## Personal Use

You may reproduce these publications for your personal, noncommercial use provided that all proprietary notices are preserved. You may not distribute, display or make derivative work of these publications, or any portion thereof, without the express consent of IBM.

### Commercial Use

You may reproduce, distribute and display these publications solely within your enterprise provided that all proprietary notices are preserved. You may not make derivative works of these publications, or reproduce, distribute or display these publications or any portion thereof outside your enterprise, without the express consent of IBM.

### Rights

Except as expressly granted in this permission, no other permissions, licenses or rights are granted, either express or implied, to the publications or any information, data, software or other intellectual property contained therein.

IBM reserves the right to withdraw the permissions granted herein whenever, in its discretion, the use of the publications is detrimental to its interest or, as determined by IBM, the above instructions are not being properly followed.

You may not download, export or re-export this information except in full compliance with all applicable laws and regulations, including all United States export laws and regulations.

IBM MAKES NO GUARANTEE ABOUT THE CONTENT OF THESE PUBLICATIONS. THE PUBLICATIONS ARE PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE.

# IBM Online Privacy Statement

IBM Software products, including software as a service solutions, ("Software Offerings") may use cookies or other technologies to collect product usage information, to help improve the end user experience, to tailor interactions with the end user, or for other purposes. In many cases no personally identifiable information is collected by the Software Offerings. Some of our Software Offerings can help enable you to collect personally identifiable information. If this Software Offering uses cookies to collect personally identifiable information, specific information about this offering's use of cookies is set forth below.

This Software Offering does not use cookies or other technologies to collect personally identifiable information.

If the configurations deployed for this Software Offering provide you as customer the ability to collect personally identifiable information from end users via cookies and other technologies, you should seek your own legal advice about any laws applicable to such data collection, including any requirements for notice and consent.

For more information about the use of various technologies, including cookies, for these purposes, see:

• The section entitled **IBM Websites** at IBM Privacy Statement (https://www.ibm.com/privacy)
• Cookies and Similar Technologies (https://www.ibm.com/privacy#Cookies_and_Similar_Technologies)

# Bibliography

This topic lists the publications in the z/VM library. For abstracts of the z/VM publications, see *z/VM: General Information*.

## Where to Get z/VM Information

The current z/VM product documentation is available in IBM Documentation - z/VM (https://www.ibm.com/docs/en/zvm).

## z/VM Base Library

### Overview

- *z/VM: License Information*, GI13-4377
- *z/VM: General Information*, GC24-6286

### Installation, Migration, and Service

- *z/VM: Installation Guide*, GC24-6292
- *z/VM: Migration Guide*, GC24-6294
- *z/VM: Service Guide*, GC24-6325
- *z/VM: VMSES/E Introduction and Reference*, GC24-6336

### Planning and Administration

- *z/VM: CMS File Pool Planning, Administration, and Operation*, SC24-6261
- *z/VM: CMS Planning and Administration*, SC24-6264
- *z/VM: Connectivity*, SC24-6267
- *z/VM: CP Planning and Administration*, SC24-6271
- *z/VM: Getting Started with Linux on IBM Z*, SC24-6287
- *z/VM: Group Control System*, SC24-6289
- *z/VM: I/O Configuration*, SC24-6291
- *z/VM: Running Guest Operating Systems*, SC24-6321
- *z/VM: Saved Segments Planning and Administration*, SC24-6322
- *z/VM: Secure Configuration Guide*, SC24-6323

### Customization and Tuning

- *z/VM: CP Exit Customization*, SC24-6269
- *z/VM: Performance*, SC24-6301

### Operation and Use

- *z/VM: CMS Commands and Utilities Reference*, SC24-6260
- *z/VM: CMS Primer*, SC24-6265
- *z/VM: CMS User's Guide*, SC24-6266
- *z/VM: CP Commands and Utilities Reference*, SC24-6268

- *z/VM: System Operation*, SC24-6326
- *z/VM: Virtual Machine Operation*, SC24-6334
- *z/VM: XEDIT Commands and Macros Reference*, SC24-6337
- *z/VM: XEDIT User's Guide*, SC24-6338

### Application Programming

- *z/VM: CMS Application Development Guide*, SC24-6256
- *z/VM: CMS Application Development Guide for Assembler*, SC24-6257
- *z/VM: CMS Application Multitasking*, SC24-6258
- *z/VM: CMS Callable Services Reference*, SC24-6259
- *z/VM: CMS Macros and Functions Reference*, SC24-6262
- *z/VM: CMS Pipelines User's Guide and Reference*, SC24-6252
- *z/VM: CP Programming Services*, SC24-6272
- *z/VM: CPI Communications User's Guide*, SC24-6273
- *z/VM: ESA/XC Principles of Operation*, SC24-6285
- *z/VM: Language Environment User's Guide*, SC24-6293
- *z/VM: OpenExtensions Advanced Application Programming Tools*, SC24-6295
- *z/VM: OpenExtensions Callable Services Reference*, SC24-6296
- *z/VM: OpenExtensions Commands Reference*, SC24-6297
- *z/VM: OpenExtensions POSIX Conformance Document*, GC24-6298
- *z/VM: OpenExtensions User's Guide*, SC24-6299
- *z/VM: Program Management Binder for CMS*, SC24-6304
- *z/VM: Reusable Server Kernel Programmer's Guide and Reference*, SC24-6313
- *z/VM: REXX/VM Reference*, SC24-6314
- *z/VM: REXX/VM User's Guide*, SC24-6315
- *z/VM: Systems Management Application Programming*, SC24-6327
- *z/VM: z/Architecture Extended Configuration (z/XC) Principles of Operation*, SC27-4940

### Diagnosis

- *z/VM: CMS and REXX/VM Messages and Codes*, GC24-6255
- *z/VM: CP Messages and Codes*, GC24-6270
- *z/VM: Diagnosis Guide*, GC24-6280
- *z/VM: Dump Viewing Facility*, GC24-6284
- *z/VM: Other Components Messages and Codes*, GC24-6300
- *z/VM: VM Dump Tool*, GC24-6335

# z/VM Facilities and Features

### Data Facility Storage Management Subsystem for z/VM

- *z/VM: DFSMS/VM Customization*, SC24-6274
- *z/VM: DFSMS/VM Diagnosis Guide*, GC24-6275
- *z/VM: DFSMS/VM Messages and Codes*, GC24-6276
- *z/VM: DFSMS/VM Planning Guide*, SC24-6277

- *z/VM: DFSMS/VM Removable Media Services*, SC24-6278
- *z/VM: DFSMS/VM Storage Administration*, SC24-6279

## Directory Maintenance Facility for z/VM

- *z/VM: Directory Maintenance Facility Commands Reference*, SC24-6281
- *z/VM: Directory Maintenance Facility Messages*, GC24-6282
- *z/VM: Directory Maintenance Facility Tailoring and Administration Guide*, SC24-6283

## Open Systems Adapter

- Open Systems Adapter/Support Facility on the Hardware Management Console (https://www.ibm.com/docs/en/SSLTBW_2.3.0/pdf/SC14-7580-02.pdf), SC14-7580
- Open Systems Adapter-Express ICC 3215 Support (https://www.ibm.com/docs/en/zos/2.3.0?topic=osa-icc-3215-support), SA23-2247
- Open Systems Adapter Integrated Console Controller User's Guide (https://www.ibm.com/docs/en/SSLTBW_2.3.0/pdf/SC27-9003-02.pdf), SC27-9003
- Open Systems Adapter-Express Customer's Guide and Reference (https://www.ibm.com/docs/en/SSLTBW_2.3.0/pdf/ioa2z1f0.pdf), SA22-7935

## Performance Toolkit for z/VM

- *z/VM: Performance Toolkit Guide*, SC24-6302
- *z/VM: Performance Toolkit Reference*, SC24-6303

The following publications contain sections that provide information about z/VM Performance Data Pump, which is licensed with Performance Toolkit for z/VM.

- *z/VM: Performance*, SC24-6301. See z/VM Performance Data Pump.
- *z/VM: Other Components Messages and Codes*, GC24-6300. See Data Pump Messages.

## RACF® Security Server for z/VM

- *z/VM: RACF Security Server Auditor's Guide*, SC24-6305
- *z/VM: RACF Security Server Command Language Reference*, SC24-6306
- *z/VM: RACF Security Server Diagnosis Guide*, GC24-6307
- *z/VM: RACF Security Server General User's Guide*, SC24-6308
- *z/VM: RACF Security Server Macros and Interfaces*, SC24-6309
- *z/VM: RACF Security Server Messages and Codes*, GC24-6310
- *z/VM: RACF Security Server Security Administrator's Guide*, SC24-6311
- *z/VM: RACF Security Server System Programmer's Guide*, SC24-6312
- *z/VM: Security Server RACROUTE Macro Reference*, SC24-6324

## Remote Spooling Communications Subsystem Networking for z/VM

- *z/VM: RSCS Networking Diagnosis*, GC24-6316
- *z/VM: RSCS Networking Exit Customization*, SC24-6317
- *z/VM: RSCS Networking Messages and Codes*, GC24-6318
- *z/VM: RSCS Networking Operation and Use*, SC24-6319
- *z/VM: RSCS Networking Planning and Configuration*, SC24-6320

### TCP/IP for z/VM

- *z/VM: TCP/IP Diagnosis Guide*, GC24-6328
- *z/VM: TCP/IP LDAP Administration Guide*, SC24-6329
- *z/VM: TCP/IP Messages and Codes*, GC24-6330
- *z/VM: TCP/IP Planning and Customization*, SC24-6331
- *z/VM: TCP/IP Programmer's Reference*, SC24-6332
- *z/VM: TCP/IP User's Guide*, SC24-6333

# Prerequisite Products

### Device Support Facilities

- Device Support Facilities (ICKDSF): User's Guide and Reference (https://www.ibm.com/docs/en/SSLTBW_2.5.0/pdf/ickug00_v2r5.pdf), GC35-0033

# Related Products

### XL C++ for z/VM

- *XL C/C++ for z/VM: Runtime Library Reference*, SC09-7624
- *XL C/C++ for z/VM: User's Guide,* SC09-7625

### z/OS

IBM Documentation - z/OS (https://www.ibm.com/docs/en/zos)

# Additional Publications

- *IBM 7171 ASCII Device Attachment Control Unit Reference Manual and Programming Guide*, GA37-0021
- *IPDS Reference*, S544-3417
- *Systems Network Architecture: Formats*, GA27-3136
- *Systems Network Architecture: Sessions Between Logical Units,* GC20-1868
- *Systems Network Architecture: Technical Overview*, GC30-3073
- *Systems Network Architecture: Transaction Programmer's Reference Manual for LU Type 6.2*, GC30-3084
- *VTAM: Programming*, SC31-6496
- *VTAM: Resource Definition Reference*, SC31-6498
- *z/OS: MVS JCL Reference*, SA22-7597

IBM®

Product Number:    5741-A09

Printed in USA