Riverstone Message Reference Manual

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REGULATORY COMPLIANCE INFORMATION

This product complies with the following:

SAFETY

UL 1950; CSA C22.2, No. 950; 73/23/EEC; EN 60950; IEC 950

ELECTROMAGNETIC

FCC Part 15; CSA C108.8; 89/336/EEC; EN 55022; EN 61000-3-2

COMPATIBILITY (EMC)

EN 61000-3-3; EN 50082-1, AS/NZS 3548; VCCI V-3

REGULATORY COMPLIANCE STATEMENTS

Note Complies with Part 68, FCC rules.
FCC Registration Number 6TGUSA-46505-DE-N
Riverstone Networks, Inc.
Model WICT1-12
Made in U.S.A.

FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment uses, generates, and can radiate radio frequency energy and if not installed in accordance with the operator's manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause interference in which case the user will be required to correct the interference at his own expense.

Warning Changes or modifications made to this device that are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INDUSTRY CANADA COMPLIANCE STATEMENT

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

NOTICE: The Industry Canada label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational, and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines, and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

CAUTION: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

NOTICE: The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

VCCI COMPLIANCE STATEMENT

This is a Class A product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.

この装置は，情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準に基づくクラスＡ情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

SAFETY INFORMATION: CLASS 1 LASER TRANSCEIVERS

This product may use Class 1 laser transceivers. Read the following safety information before installing or operating this product.

The Class 1 laser transceivers use an optical feedback loop to maintain Class 1 operation limits. This control loop eliminates the need for maintenance checks or adjustments. The output is factory set and does not allow any user adjustment. Class 1 laser transceivers comply with the following safety standards:

- 21 CFR 1040.10 and 1040.11, U.S. Department of Health and Human Services (FDA)
- IEC Publication 825 (International Electrotechnical Commission)
- CENELEC EN 60825 (European Committee for Electrotechnical Standardization)

When operating within their performance limitations, laser transceiver output meets the Class 1 accessible emission limit of all three standards. Class 1 levels of laser radiation are not considered hazardous.

LASER RADIATION AND CONNECTORS

When the connector is in place, all laser radiation remains within the fiber. The maximum amount of radiant power exiting the fiber (under normal conditions) is –12.6 dBm or 55×10^{-6} watts.

Removing the optical connector from the transceiver allows laser radiation to emit directly from the optical port. The maximum radiance from the optical port (under worst case conditions) is 0.8 W cm^{-2} or 8×10^{3} W m^{2} sr–1.

Do not use optical instruments to view the laser output. The use of optical instruments to view laser output increases eye hazard. When viewing the output optical port, power must be removed from the network adapter.

SAFETY INFORMATION: WICT1-12 T1 CARD

Warning To reduce the risk of fire, use only No. 26 AWG or larger telecommunication line cord.

CONSUMER INFORMATION AND FCC REQUIREMENTS

1. This equipment complies with Part 68 of the FCC rules, FCC Registration Number 6TGUSA-46505-DE-N Riverstone Networks Inc. Model WICT1-12 Made in the USA. On the DS1/E1 WAN Module of this equipment is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, provide this information to your telephone company.
2. The REN is useful to determine the quantity of devices you may connect to your telephone and still have all those devices ring when your number is called. In most, but not all areas, the sum of the REN's of all devices should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.
3. If your DS1/E1 WAN Module causes harm to the telephone network, the Telephone Company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice isn't practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC.
4. Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper operation of your equipment. If they do, you will be given advance notice so as to give you an opportunity to maintain uninterrupted service.
5. If you experience trouble with this equipment DS1/E1 WAN Module, please contact Riverstone Networks Inc., 5200 Great America Parkway, Santa Clara, CA 95054, 408 878-6500, for repair/warranty information. The Telephone Company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure that the equipment is not malfunctioning.
6. There are no repairs that can be made by the customer to the DS1/E1 WAN Module.
7. This equipment may not be used on coin service provided by the Telephone Company. Connection to party lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information).

EQUIPMENT ATTACHMENT LIMITATIONS NOTICE

The Industry Canada label identifies certified equipment. This certification means that the equipment meets the telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the equipment will operate to the user's satisfaction.

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Caution: Users should not attempt to make connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

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Application of Council Directive(s)	89/336/EEC 73/23/EEC
Manufacturer's Name	Riverstone Networks, Inc.
Manufacturer's Address	5200 Great America Parkway Santa Clara, CA 95054
Conformance to Directive(s)/Product Standards	EC Directive 89/336/EEC EC Directive 73/23/EEC EN 55022 EN 50082-1 EN 60950
Equipment Type/Environment	Networking equipment for use in a commercial or light-industrial environment

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1 OVERVIEW

This guide lists and describes system messages generated by the operating system of your router. The system sends these messages to a syslog server during operation. The syslog server logs the messages for an administrators use. Some of the generated messages are for informational purposes only and do not require action. Other messages indicate a caution or error condition that may require action.

1.1 HOW TO USE THIS MANUAL

Messages are generated by the different system facilities featured on your router. In this manual, there is one chapter for each system facility. Within each chapter, the messages are grouped by category and alphabetized.

Appendix A contains a list undocumented messages. It is unlikely that you will see one of these messages displayed.

1.2 READING MESSAGES

Each message begins with a percent sign and has the following format:

%<*facility*>-<*category*>-<*description*> <*message text*>

where:

- <*facility*> is a code consisting of uppercase letters that indicates the facility to which the message refers.
- <*category*> is a single-letter code indicating the type of message. There are four message types:
  - I – Informational message
  - W – Warning message
  - E – Error message
  - F – Fatal error message
- <*description*> is a text string consisting of uppercase letters that identifies the message.
- <*message text*> is a text string that briefly describes the condition.

Note You do not need to respond to informational messages.

1.3 RIVERSTONE TECHNICAL ASSISTANCE CENTER

Most of the undocumented messages in this manual are for Riverstone internal use. If you have concerns about any of the undocumented messages or any of the documented messages, use the following information to contact technical support for Riverstone.

Riverstone Technical Assistance Center - RTAC

Telephone: (408) 844-0010 or (877) 776-8229 toll free

FAX: 408.878.6920

Internet address: www.riverstonenet.com/support

Email: support@riverstonenet.com

2 10BASE-T ETHERNET DRIVER MESSAGES

This chapter describes the messages for the 10Base-T Ethernet Driver driver (ETH messages).

2.1 INFORMATIONAL MESSAGES

%ETH-I-STARTINTF %s%d: interface started

Explanation:

This message is displayed when an interface has been started.

Recommended Action:

None.

%ETH-I- STOPINTF %s%d: interface stopped

Explanation:

This message is displayed when an interface has been stopped.

Recommended Action:

None.

%ETH-I-MACADDR <*name*> : ethernet address <*mac address*>

Explanation:

This message is displayed when an interface is being used on the indicated mac address.

Recommended Action:

None.

2.2 WARNING MESSAGES

%ETH-W-BIGFRAME <*name*> <*number*>: bad received packet length, <*number*> bytes

Explanation:

The packet received was larger than the legal ethernet size.

Recommended Action:

Use a packet sniffing tool to determine which host is sending illegal frames.

2.3 ERROR MESSAGES

%ETH-E-DIAGFAIL 10Base-T port failed internal diagnostics

Explanation:

The 10Base-T port on the control module failed diagnostics or initialization.

Recommended Action:

Replace the control module.

%ETH-E-NOTFDS insufficient transmit buffers

Explanation:

There are insufficient transmit buffers in 10Base-T port.

Recommended Action:

This is a transient error message and has no detrimental effect on the system. However, if the condition persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

2.4 FATAL ERRORS

%ETH-F-HISRFAIL failed to create driver HISR, sts=<*number*>

Explanation:

This is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ETH-F-INITFAIL10Base-T ethernet failed initialization

Explanation:

10Base-T port on Control Module failed diagnostics or initialization.

Recommended Action:

Replace the control module.

%ETH-F-LISRFAIL failed to register driver LISR, sts=<*number*>

Explanation:

This is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ETH-F-NOSTKMEM not enough memory to allocate stack

Explanation:

The system is running low on DRAM.

Recommended Action:

Upgrade the amount of DRAM DIMM memory to the next highest recommended amount.

3 AGGRGEN MESSAGES

This chapter describes the messages for the Aggregate-Generate parameters (AGGRGEN messages).

3.1 ERROR MESSAGES

%AGGRGEN-E-DSTIDEXIST Aggr-Gen destination <*name*> already exists.

Explanation:

This message appears when the identifier (tag) assigned to a new **`aggr-gen-dest`** CLI command is already in use.

Recommended Action:

Use a different (unique) identifier (number or text string).

%AGGRGEN-E-DSTNOTFOUND Aggr-Gen destination <*name*> not found.

Explanation:

This message appears when the destination parameter in the **`aggr-gen`** CLI command is invalid.

Recommended Action:

Correct the destination parameter.

%AGGRGEN-E-DSTOVFL No more free aggr-gen destination (max <*number*> cur <*number*>)

Explanation:

This message appears when the maximum number of aggregate-generation destination entries has been reached.

Recommended Action:

Negate the unused **`aggr-gen-dest`** commands.

%AGGRGEN-E-FLTRDSRCINUSE Filtered source at index <*number*> within aggr-gen route <*number*> is in use.

Explanation:

This error message displays when the user attempts to specify an index number in an aggregate-generation route configuration that is already in use.

Recommended Action:

Specify a different index number.

%AGGRGEN-E-FLTRDSRCNEX Sources with id <*number*> not found in aggr-gen route with destination <*number*>

Explanation:

This error message is displayed when the user attempts to specify a source or sources in the aggregate-generation route configuration that could not be found.

Recommended Action:

Specify a different source or sources.

%AGGRGEN-E-FILTRDSRCOVFL No more free sources for aggr-gen (max <*number*> current <*number*>).

Explanation:

This message displays when the maximum number of source entries associated with an **`aggr-gen`** command has been reached.

Recommended Action:

Negate unused **`aggr-gen`** commands.

%AGGRGEN-E-INVFLTRDSRCIDX Invalid filtered-source index (max <*number*> index <*number*>)

Explanation:

This error message displays when the user attempts to specify an invalid value for the filtered-source index.

Recommended Action:

Specify a different source index number that falls within the range of acceptable values.

%AGGRGEN-E-INVROUTEIDX Invalid route index (max <*number*> index <*number*>)

Explanation:

This error message is displayed when the user attempts to specify an invalid value for the route index.

Recommended Action:

Specify a different route index number that falls within the range of acceptable values.

%AGGRGEN-E-INVSRCFLTRIDX Invalid source-filter index (max <*number*> index <*number*>)

Explanation:

This error message displays when the user attempts to specify an invalid value for the source-filter index.

Recommended Action:

Specify a different source-filter index number that falls within the range of acceptable values.

%AGGRGEN-E-ROUTEINUSE Aggr-Gen route at index (<*number*>) is in use

Explanation:

This error message displays when the user attempts to specify an aggregate-generation route index that is already in use.

Recommended Action:

Specify a different aggregate-generation route index value.

%AGGRGEN-E-ROUTENOTFOUND Aggregate-Generation <*number*> is not found

Explanation:

This error message displays when the user attempts to specify an undefined aggregate-generation number.

Recommended Action:

Specify a different aggregate-generation number.

%AGGRGEN-E-ROUTEOVFL No more free aggr-gens (max <*number*> current <*number*>).

Explanation:

This message appears when the maximum number of aggregate policies has been reached.

Recommended Action:

Negate unused aggregate-generations.

%AGGRGEN-E-RTEFLTNOTFOUND Aggr-gen (with destination <*number*> source <*number*> filter <*number*>) not found.

Explanation:

This error message displays when the user specifies an undefined aggregate-generation configuration.

Recommended Action:

Verify that you have not entered inappropriate information, or specify another aggregate-generation.

%AGGRGEN-E-SRCFLTROVFL No more free route filters for this aggr-gen source max <*number*> current <*number*>

Explanation:

This message appears when the maximum number of filters/networks corresponding to an aggregate policy has been reached.

Recommended Action:

Negate unused filters/networks.

%AGGRGEN-E-SRCIDEXIST Aggr-Gen source <*name*> already exists.

Explanation:

This message displays when the identifier (tag) assigned to a new **`aggr-gen-source`** CLI command is already in use.

Recommended Action:

Use a different (unique) identifier (number or text string)

%AGGRGEN-E-SRCNOTFOUND Aggr-Gen source <*name*> not found.

Explanation:

This message appears when the source parameter in an **`aggr-gen`** CLI command is invalid.

Recommended Action:

Correct the source parameter name.

%AGGRGEN-E-SRCOVFLNo more free aggr-gen sources max <*number*> current <*number*>.

Explanation:

This message displays when the maximum number of aggregate-generation source entries has been reached.

Recommended Action:

Negate unused **`aggr-gen-source`** commands.

3.2 FATAL ERRORS

%AGGRGEN-F-IOCTL ioctl(<*number*>) failed, errno = <*number*>

Explanation:

System resources are limited and the AGGRGEN request for system IOCTL failed.

Recommended Action:

Increase the system memory. If problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

4 ARP MESSAGES

This chapter describes the messages for the ARP facility (ARP messages).

4.1 ERROR MESSAGES

%ARP-E-HOSTUNREACH <*ip address*> no route to host. ARP entry not added

Explanation:

This message displays when an ARP entry is added from the Enable mode and the action failed.

Recommended Action:

The host may not be unreachable through a directly connected interface. Create an interface and then add the ARP entry.

4.2 WARNING MESSAGES

%ARP-W-CLRTEGFAIL NUE_Set_Flag failed

Explanation:

The software that manages resources detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ARP-W-CNTRLTMRFAIL NU_Control_Timer failed for %s

Explanation:

The software that manages resources detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ARP-W-RESETTMRFAIL NU_Reset_Timer failed

Explanation:

The software that manages resources detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ARP-W-SETTEGFAIL NUE_Set_Flag failed

Explanation:

The software that manages resources detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ARP-W-WAITTEGFAIL Wait_For_Teg failed

Explanation:

The software that manages resources detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*.

5 ATM MESSAGES

This chapter describes the messages for the ATM facility (ATM messages).

5.1 INFORMATIONAL MESSAGES

%ATM-I-FIXINGSCROPTION <0> <0> SCR set, Service Category not VBR. Clearing SCR value.

Explanation:

A value was set which is not allowed for the type of service. The software is clearing the value and accepting the command.

Recommendation:

None.

%ATM-I-FIXINGMBSOPTION <0> <0> MBS set, Service Category not VBR. Clearing MBS value.

Explanation:

An MSB was set which is not allowed for this type of service. The software is clearing the value and accepting the command.

Recommendation:

None.

%ATM-I-VCLALREADYOPEN

Explanation:

Informational message.

Recommended Action:

The user should specify a VCL that is not yet created.

5.2 WARNING MESSAGES

%ATM-W-FIXINGSCROPTION

Explanation:

The specified SCR is not permitted for specified service class.

Recommended Action:

None.

%ATM-W-FIXINGMBSOPTION

Explanation:

The specified MBS is not permitted for specified service class.

Recommended Action:

None.

%ATM-W-IARPNOTXMT

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-W-IARPRETRYLIMIT

Explanation:

Internal error.

Recommended Action:

- Check that the other end of the PVC is up and supports inverse ARP.
- Specify the peer address when creating the interface.

%ATM-W-IARPMISMATCH

Explanation:

Internal error.

Recommended Action:

- Ensure that the VC is connected to the intended port.
- Ensure that the correct peer IP address was specified when the interface was created.

%ATM-W-IARPADDRCHANGE

Explanation:

The IP address changed at the other end of the VC.

Recommended Action:

Ensure that this was expected.

%ATM-W-OAMNOTXMT

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%AMT-W-OAMNORSP

Explanation:

Internal error.

Recommended Action:

Verify that the other end of the link supports OAM cells.

%ATM-W-SMBADEVENT

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

5.3 ERROR MESSAGES

%ATM-E-ATMCELLMAPPINGNOTSUPPORTED Port set failed, cell mapping value not valid for this PHY type.

Explanation:

You can not set cell mapping on this type of port.

Recommended Action:

Specify an appropriate port for cell mapping.

%ATM-E-ATM_CREATE_FAILED.

Explanation:

Internal error.

Recommended Action:

Verify that a VCL was previously created.

%ATM-E-ATMFRAMINGNOTSUPPORTED Port set failed on port <*port*> framing value not valid for this PHY type.

Explanation:

You can not set framing on this type of port.

Recommended Action:

Specify an appropriate port for framing.

%ATM-E-ATMPORTINFAILURE Port <*port*> experienced previous failure.

Explanation:

This port has failed port diagnostics. Either it's PHY has been removed, or there is a hardware failure.

Recommended Action:

If the PHY is present, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-ATMMEDIANOTSUPPROTED Port set failed on port <*port*> media type can only be set on MMF, SMF, UTP PHYs.

Explanation:

You can not set media on this type of port.

Recommended Action:

Specify an appropriate port for setting media.

%ATM-E-ATMPORTSETFRAMING Port <*port*> did not accept framing.

Explanation:

The PHY type does not support setting the framing.

Recommended Action:

Specify an appropriate port for setting the framing.

%ATM-E-ATMSCRAMBLENOTSUPPORTED Port set failed, scramble value not valid for this PHY type.

Explanation:

You can not set scramble value on this type of port.

Recommended Action:

Specify an appropriate port for setting scramble value.

%ATM-E-BADVC

Explanation:

Internal error.

Recommended Action:

Specify a different VC.

%ATM-E-BITSTREAMREADFAILED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-BOOTSOURCEISUNKNOWN

Explanation:

The bootsource did not have a value.

Recommended Action:

Specify a value for the bootsource.

%ATM-E-CREATE_Q

Explanation:

The Receive Control Queue could not be created.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-EXISTINGVPL

Explanation:

An incorrect VPL value was used.

Recommended Action:

Use the correct VPL value.

%ATM-E-EXISTINGVCL

Explanation:

An incorrect VCL value was used.

Recommended Action:

Use the correct VCL value.

%ATM-E-FPGADNLOADFAILED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-FPGAFILENAMEUNKNOWN

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-FPGAFILESIZEUNKNOWN

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-FPGAFILEOPENFAILED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-FPGACRCERROR

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-INVALIDSRVCATOPTION

Explanation:

Internal error

Recommended Action:

Use a different service type.

%ATM-E-INVALIDSRVDEFOPTION

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-INITCSRBAD

Explanation:

Internal error.‘

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-INVALIDDEFINEOBJECT

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-MAPTYPE

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-MIXED_MEDIA_OPTS Mixed Media option specified for port does not support the option or you have specified a mix of different media ports.

Explanation:

The Mixed Media option specified for the port does not support the option or you have specified a mix of different media ports.

Recommended Action:

Specify the appropriate ports and retry the command.

%ATM-E-NOPORTLISTAVAIL

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-NOVPLFOUND

Explanation:

An incorrect VPL value was used.

Recommended Action:

Specify a VPL that has already been created.

%ATM-E-NOVCLFOUND

Explanation:

An incorrect VCL value was specified.

Recommended Action:

Specify a VCL that has already been created.

%ATM-E-NI_XMT_Q_FULL

Explanation:

A control packet could not be transmitted. The NI transmit queue is full.

Recommended Action:

If the problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-NOAVAILBW

Explanation:

You are attempting to use more bandwidth than is available on the link.

Note CBR traffic cannot use 100% of the bandwidth, since some must be reserved for other critical traffic.

Recommended Action:

Use less bandwidth on the link.

%ATM-E-NOPORTLISTAVAIL No portlist available in command options

Explanation:

This message is displayed when no port list is available.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-NORESOURCESAVAIL

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-NEEDPCR

Explanation:

Internal error.

Recommended Action:

Specify a PCR value.

%ATM-E-NEEDSCR

Explanation:

Internal error.

Recommended Action:

Specify an SCR value.

%ATM-E-NOSUCHVCL

Explanation:

Internal error.

Recommended Action:

Specify a different VCL.

%ATM-E-PEERADDRREQD

Explanation:

Internal error.

Recommended Action:

A peer IP is required for VC-Multiplexed VCs.

%ATM-E-PORTDOESNOTEXIST

Explanation:

A port was specified:

- That does not exist
- Is not an ATM port.

Recommended Action:

Specify a different port.

%ATM-E-PORTHASVCLS

Explanation:

Internal error.

Recommended Action:

Remove the VCLs before removing a port.

%ATM-E-PORTNOTSRVDEFOWNER Service not owned

Explanation:

Internal error.

Recommended Action:

Remove failure.

%ATM-E-PORTHASINUSEVCLS

Explanation:

Internal error.

Recommended Action:

Remove the VCLs before changing the port settings.

%ATM-E-PORTHASSRVDEF

Explanation:

Internal error.

Recommended Action:

Remove the existing service definition before applying a new one.

%ATM-E-POSTFAILED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-REGL2ADDR

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-RSVDSRVNAME Service name is reserved, please choose another name.

Explanation:

The specified service name is reserved.

Recommendation:

Specify another service name.

%ATM-E-REG_MULTI_ADDR Could not register the ATM Multicast Address.

Explanation:

The limit of supported multicast addresses was reached, or there was a duplicate multicast address.

Recommendation:

Reenter the command.

%ATM-E-SARDOWNLOAD

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARACKERR

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARERR0

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARERR1

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARERR2

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARERR3

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARERR4

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARERR5

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARERR6

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARERR7

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARERR8

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARERR9

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARERR10

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARFILENAMEUNKNOWN

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARLOADFAILEDNOMEM

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARSIZEUNKNOWN

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARFILEOPENFAILED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARFILEREADFAILED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARTIMEOUT

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARPOSTTIMEOUT

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARCHKSUMTIMEOUT

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SARCHKSUMERR

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SCRGRTRPCR

Explanation:

Internal error.

Recommended Action:

The PCR must be greater than or equal to the SCR.

%ATM-E-SMUNKNOWNSTATE

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SRVDEFNAMENOTFOUND

Explanation:

Internal error.

Recommended Action:

Reference a service definition that you previously created.

%ATM-E-SRVDEFOPENREF

Explanation:

Internal error.

Recommended Action:

Do the following:

1. Negate the application of the service.
2. Remove the service.

%ATM-E-SRVDEFVPLREMOVE

Explanation:

The service specified is not found.

Recommended Action:

Negate the service.

%ATM-E-SMTIMERCREATEERR

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SRVDEFVCLREMOVE

Explanation:

Internal error.

Recommended Action:

Negate the failure.

%ATM-E-SUNI_CSR_TEST: Mod-Phy SUNI CSR Test: FAILED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-SUNI_CSR_TEST: Mod-Phy SUNI CSR Test: PASSED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-TOOMANYVCS

Explanation:

Internal error.

Recommended Action:

Use fewer VCs.

%ATM-E-TSHP_END_TEST: ToolShop En-Decap Memory Test: FAILED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-TSHP_TEST: ToolShop Test: PASSED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-TSHP_CSR_TEST: ToolShop CSR Test: PASSED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-TSHP_SAR_TEST: ToolShop SAR Buff Memory Test: PASSED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-TSHP_END_TEST: ToolShop En-Decap Memory Test: PASSED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-TSHP_TEST: ToolShop Test: FAILED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-TSHP_CSR_TEST: ToolShop CSR Test: FAILED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-TSHP_SAR_TEST: ToolShop SAR Buff Memory Test: FAILED

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-TRAFFICTYPEBAD, error - an illegal traffic value.

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-UNKNOWNCMD

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-VPLMAXEXCEEDED <0> <3> Max VPLs exceeded on at.%d.%d, max = %d.

Explanation:

You specified more VPLs than are allowed.

Recommended Action:

Use the **`atm set port vpi-bits`** command.

%ATM-E-VCLMAXEXCEEDED

Explanation:

The user specified VCL is outside of the current range.

Recommended Action:

Either use a different VCL value or use the **`port set vc-mode...`** command to set a larger range of permissible VCL values.

%ATM-E-VPIOUTOFRANGE

Explanation:

You specified a VPI that is outside of the current range.

Recommended Action:

Either use a different VPL value or use the **`port set vc-mode...`** command to set a larger range of permissible VPL values.

%ATM-E-VCIOUTOFRANGE

Explanation:

You specified a VCI that is outside of the current range.

Recommended Action:

Either use a different VCI value or use the **`port set vc-mode...`** command to set a larger range of permissible VCI values.

%ATM-E-VCLOUTOFRANGE

Explanation:

You specified a VCL that is outside of the current range.

Recommended Action:

Either use a different VCL value or use the **`port set vc-mode...`** command to set a larger range of permissible VCL values.

%ATM-E-VCLNOTINSERTED

Explanation:

You used an incorrect VCL value.

Recommended Action:

Use a different VCL value.

%ATM-E-VCITOOSMALL

Explanation:

You used an incorrect VCL value.

Recommended Action:

Use a different VCI value.

%ATM-E-VPLHASSRVDEF

Explanation:

Internal error.

Recommended Action:

Remove the existing service definition before applying a new one.

%ATM-E-VCLHASSRVDEF

Explanation:

Internal error.

Recommended Action:

Remove the existing service definition before applying the new one.

%ATM-E-VPLNOTSRVDEFOWNER

Explanation:

The service was not applied to the VPL.

Recommended Action:

Remove the failure.

%ATM-E-VCLNOTSRVDEFOWNER

Explanation:

The service was not applied to the VCL.

%ATM-E-VPLNOTCLOSED

Explanation:

A VPL is still in use, referenced by the **`interface create...`** command.

%ATM-E-VCLNOTCLOSED

Explanation:

A VCL is still in use, referenced by an **`interface create...`** command.

%ATM-E-VCOPENNOMEM

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-VCOPENTIMEOUT Port at <*port_id*>, time-out during open for during open

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-VCCLOSETIMEOUT

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-VCCLOSEERR

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-VCSTATEBAD

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-VCMODIFYSARERR

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-VCDISCREPENCY

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ATM-E-WRONGPORTTYPE Port <*port-number*> does not support this operation

Explanation:

This message is displayed when a command specifies a port parameter that the port does not support.

Recommended Action:

Enter a command that the port does support.

6 AUTHENTICATION MESSAGES

This chapter describes the messages for the Authentication parameter (AUTH messages).

6.1 ERROR MESSAGES

%AUTH-E-CHAINIDEXIST Key-Chain <*key-chain_name*> already exists

Explanation:

This message appears when a newly created key-chain has the same id as a previously created key-chain.

Recommended Action:

Change the name/id of the key-chain.

%AUTH-E-CHAINNOTFOUND Key-Chain with id <*id_name*> not found

Explanation:

This message appears when the key-chain identifier specified is invalid.

Recommended Action:

Use a valid key-chain id in defining the authentication method.

%AUTH-E-CHAINNOTSPEC Authentication method requires key-chain identifier.

Explanation:

This message appears when the authentication method requires a key-chain identifier.

Recommended Action:

Create a key-chain and refer to it when defining an authentication method.

%AUTH-E-CHAINOVFL No more free key-chains max <*number*> current <*number*>

Explanation:

This message appears when the maximum number of unique key-chains has been reached.

Recommended Action:

If possible, negate some of the **`authentication create key-chain`** commands.

%AUTH-E-KEYEXISTS Key <*key_name*> exists in chain <*key-chain_name*>

Explanation:

This message appears when a new key has been added to a previously created key-chain and the new key is a duplicate of another key.

Recommended Action:

Make sure that the new key is unique.

%AUTH-E-KEYOVFL No more free keys max <*number*> current <*number*> in chain <*key-chain_name*>

Explanation:

This message appears when the maximum number of keys that can be attached to a key-chain has been reached.

Recommended Action:

If possible, remove some keys from the key-chain.

%AUTH-E-KEYNOTFOUND Key <key_name> not found in chain <*key-chain_name*>

Explanation:

This message appears when the software entity responsible for managing the key-chain resources has detected an inconsistency.

Recommended Action:

If this error message is displayed repeatedly, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%AUTH-E-NUMOFCHAINERR Numof chains mismatch (max <*number*> cur <*number*>)

Explanation:

This message appears when the software entity responsible for managing the key-chain resources has detected an inconsistency.

Recommended Action:

If this error message is displayed repeatedly, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%AUTH-E-NUMOFKEYERRNumof keys mismatch (max <*number*> cur <*number*>) in chain <*key-chain_name*>

Explanation:

This message appears when the software entity responsible for managing the key-chain resources has detected an inconsistency.

Recommended Action:

If this error message is displayed repeatedly, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

7 BGP MESSAGES

This chapter describes the messages for the Border Gateway Protocol facility (BGP messages).

7.1 INFORMATIONAL MESSAGES

%BGP-I-ASPATHIGN Entered AS path specification ignored All AS paths would be displayed

Explanation:

The AS path specification is not entered correctly. Enter the correct AS path specification.

Recommended Action:

Informational message. No action required.

%BGP-I-STARTED BGP service started

Explanation:

BGP Service is started.

Recommended Action:

Informational message. No action required.

%BGP-I-TERMINATED BGP service terminated

Explanation:

BGP Service is terminated.

Recommended Action:

Informational message. No action required.

7.2 WARNING MESSAGES

%BGP-W-MAXFLAP max-flap metric must be greater than the larger of 1 and suppress-above metric

Explanation:

The max-flap metric must be both greater than 1 and greater than the suppress-above metric. The default value of the max-flap metric is 16 and the default value of *the* suppress-above metric is 3.

Recommended Action:

No action required.

%BGP-W-NOTRUNNING BGP service is currently not running

Explanation:

BGP Service is not currently started. Use the **`bgp start`** command to start BGP Service.

Recommended Action:

No action required.

%BGP-W-REUSEBELOW Reuse-below metric must be less than suppress-above metric

Explanation:

The reuse-below metric must be less than the suppress-above metric. The default value of the reuse-below metric is 2 and the default value of the suppress-above metric is 3.

Recommended Action:

No action required.

%BGP-W-STARTED_ALRDY BGP service started already

Explanation:

BGP Service is already started.

Recommended Action:

No action required.

%BGP-W-UNREACHDECAY Unreach-decay time should be greater than or equal to reach-decay time

Explanation:

The unreach-decay time must be greater than or equal to the reach-decay time. The default value of unreach-decay time is 900 and the default value of reach-decay time is 300.

Recommended Action:

No action required.

7.3 ERROR MESSAGES

%BGP-E-ATTRLISTNOTFOUND Attribute list with id <*name*> not found

Explanation:

The optional attribute list with the specified name could not be found.

Recommended Action:

Check the name for a typo or define the optional attribute list with that name.

%BGP-E-BADBGPVERIGP BGP peers of type IGP must run version 3 or better

Explanation:

BGP peers of type IGP run on version 3 or better.

Recommended Action:

Upgrade the version for the IGP Peer to 3 or better.

%BGP-E-BADBGPVERIGPH Internal BGP peer associated with IGP must run at version 3 or better

Explanation:

IGP Peering can only be done with hosts configured for BGP version 3.0 or higher.

Recommended Action:

Run BGP version 3.0 or higher.

%BGP-E-BADBGPVERRRF Route Reflection Clients must use BGP version 4 or better

Explanation:

Route Reflection only works with peers configured for BGP version 4.

Recommended Action:

Use BGP version 4 for the specified group.

%BGP-E-BADCLUSTID Clusterid may not be 0.0.0.0

Explanation:

The Cluster identification cannot be 0.0.0.0.

Recommended Action:

Change the Cluster identification to something other than 0.0.0.0.

%BGP-E-BADEXTSTPRFGR Setpref can only be used with Internal, IGP, or Routing groups not with external group <*name*>

Explanation:

The setpref metric should only be configured for internal, IGP, or routing groups.

Recommended Action:

Remove the setpref metric from the external group.

%BGP-E-BADEXTBGPRRF Only Internal, IGP or Routing groups may be route reflection clients. <*name*> is an external group.

Explanation:

External groups cannot be route reflection clients.

Recommended Action:

Do not use the route reflection feature on a named external group.

%BGP-E-BADEXTSTPRFHS Setpref can only be used with Internal, IGP or Routing host not with external host <*name*>.

Explanation:

The setpref metric can only be used for internal, IGP, or routing hosts.

Recommended Action:

Since the peer-host belongs to the external group remove the setpref metric.

%BGP-E-BADHOLDTIMEGR Holdtime <*number*> for BGP group <*name*> is less than the minimum permitted time of <*number*>

Explanation:

The holdtime is less than the minimum permitted.

Recommended Action:

Change the value of the holdtime to greater than the minimum permitted.

%BGP-E-BADHOLDTIMEHS Holdtime <*number*> for BGP peer <*name*> is less than the minimum permitted time of <*number*>

Explanation:

The holdtime for the named BGP Peer is less than the minimum allowed.

Recommended Action:

Change the holdtime for the BGP Peer so that it is higher than the minimum allowed.

%BGP-E-BADHSTGROUPAS Local AS number (<*number*>) used for BGP peer must be that of the group (<*name*>)

Explanation:

The Local AS number used for the BGP Peer must be the same as the number used for the group.

Recommended Action:

Make the local AS of the peer host to be the same as that of the group.

%BGP-E-BADHSTSETPREF Set-Pref option for internal peer host should be the same as used in the group declaration

Explanation:

The setpref setting for the internal, routing or IGP peer should be the same as that used for the group.

Recommended Action:

Change the setpref setting for the specified group and peer host so that they are equal.

%BGP-E-BADLOCALADDR Local-address option for internal peer host should be the same as used in the group declaration

Explanation:

The Local Address setting for the internal, routing, or IGP peer should be the same as that used for the group.

Recommended Action:

Change the peer host and the peer group local address setting so that they are equal.

%BGP-E-BADMETRICOUT metricout option for internal peer host should be the same as used in the group declaration

Explanation:

The metricout setting for the specified internal, routing, or IGP peer host should be the same as that used for the group.

Recommended Action:

Change the peer host and the peer group metricout setting so that they are equal.

%BGP-E-BADOUTDELAY Outdelay option for internal peer host should be the same as used in the group declaration

Explanation:

The outdelay metric for the internal, routing, or IGP peer should be the same as that used for the group.

Recommended Action:

Change the peer host and the peer group outdelay setting so that they are equal.

%BGP-E-BADPROTOVAL Protocol may only be used for internal routing groups

Explanation:

An IGP protocol needs to be specified for the routing group only.

Recommended Action:

Do not specify IGP for the specified group.

%BGP-E-BADSETPREF if SetPref is set on one internal peer group, it must be set on all internal peer groups. SetPref is not configured for <*name*> group.

Explanation:

If the setpref setting is used for one internal group it should be used for all internal groups.

Recommended Action:

Configure a setpref metric for the specified group.

%BGP-E-EXTASSAME The peeras <*number*> for external-type group match AS <*number*> of router

Explanation:

The peer AS of the specified external-type group should not match the AS of this router.

Recommended Action:

Change the peer AS of the external-type group so that it does not match the AS of this router.

%BGP-E-EXTLOCASSAME The local as <*number*> for external group should not match peer AS <*number*>

Explanation:

The local AS of the specified external group should not match the peer AS.

Recommended Action:

Change the peer AS to be different from the local AS of the specified group.

%BGP-E-GROUPIDEXISTS Group with id <*name*> also has type <*name*> and as <*number*>

Explanation:

The specified group already exists.

Recommended Action:

Use some other name when creating a group.

%BGP-E-GROUPNOTFOUND Group with id <*name*> not found

Explanation:

The specified group could not be found.

Recommended Action:

The group name may be typed incorrectly. If not, create a group of that name.

%BGP-E-GROUPOVFL No more free groups max <*number*> current <*number*>

Explanation:

The number of configured groups is more than the one allowed.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%BGP-E-HNETNOTFOUND <*name*> is not a known host-network in area <*name*>

Explanation:

The specified peer host is not found in the specified peer group.

Recommended Action:

The peer host or the peer group may be mistakenly associated with each other. Correct the association.

%BGP-E-HOSTIDEXISTS Host with Id <*name*> exists in group <*name*>

Explanation:

A peer host with the same ip address already exists in the group.

Recommended Action:

Either create a peer-host with a different IP address or use the created peer-host.

%BGP-E-HOSTOVFL No more free hosts max <*number*> current <*number*>

Explanation:

No more than the specified number of peer hosts can be configured.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%BGP-E-HSTNOTFNDALLGR Peer host <*name*> not found in any group.

Explanation:

The specified peer host is not found in any peer groups.

Recommended Action:

The peer host may be identified incorrectly. Input the correct peer host.

%BGP-E-INTASNOTSAME The peer as <*number*> for Internal, IGP or Routing group does not match AS <*number*> of router

Explanation:

The peer AS for the specified internal, IGP, or routing group does not match that of the router.

Recommended Action:

Change the peer AS of the specified internal, IGP, or routing group to this router's AS.

%BGP-E-INVCFG BGP cannot run because of invalid configuration

Explanation:

An invalid BGP configuration was given to the router and BGP will not run.

Recommended Action:

Correct the errors in the configuration.

%BGP-E-LOCASNOTSAME The local as <*number*> for Internal, IGP, or routing group does not match peer AS <*number*>

Explanation:

The local AS number for the internal, IGP, or routing group does not match the peer AS.

Recommended Action:

Change the peer AS to the same value as local AS.

%BGP-E-MAXFLAP max-flap metric must be greater than the larger of 1 and suppress-above metric

Explanation:

The max-flap metric must be greater than 1 and the suppress-above metric.

Recommended Action:

Set the max-flap metric to greater than 1 and the suppress-above metric.

Note The default value of the max-flap metric is 16 and the default value of the suppress-above metric is 3.

%BGP-E-MAXPEERSPGRP No more free hosts max <*number*> current <*number*>

Explanation:

No more than the specified number of peer hosts can be configured.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%BGP-E-MAXPEERSPRTR No more free hosts max <*number*> current <*number*>

Explanation:

No more than the specified number of peer hosts can be configured.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%BGP-E-NETEXISTS Network <*name*> exists in group <*name*>

Explanation:

The specified network number for the group already exists.

Recommended Action:

Remove the specified network number from the configuration.

%BGP-E-NETNOTFOUND Network <*name*> is not a known network for peer-group <*name*>

Explanation:

The specified network number is not found in the specified peer group.

Recommended Action:

Either the network number is associated incorrectly for the peer group, or the network is not configured for the peer-group. If the network is not configured, then configure the network for the peer group.

%BGP-E-NETOVFL No more free networks max <*number*> current <*number*>

Explanation:

The number of networks configured for the peer group exceed the maximum allowed.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%BGP-E-NOASCONFIG No autonomous system is specified

Explanation:

No autonomous system was specified.

Recommended Action:

Specify the autonomous system using the **`ip-router global set autonomous-system`** command.

%BGP-E-NOASCNTUSEGR AS-Count can only be used with external group. <*name*> is not an external group.

Explanation:

The AS-count setting can only be used with an external group.

Recommended Action:

Remove the AS-count setting for the specified non-external group.

%BGP-E-NOASCNTUSEHS AS-Count can only be used with external host. <*name*> is not a external host

Explanation:

The AS-count option can only be used for external peer host. The specified peer host does not belong to group type external.

Recommended Action:

Remove the AS-count setting.

%BGP-E-NOLEGALPEERS BGP group <*name*> has no legal peers configured or an allowed networks list for it

Explanation:

The specified BGP group has no legal peer configured for it or any allowed legal networks. A legal peer or network is one which does not have any configuration error.

Recommended Action:

Configure a peer or an allowed network without any configuration errors.

%BGP-E-NOLEGALGRPS No legal groups configured

Explanation:

No legal groups (i.e. groups without configuration errors) found, therefore BGP cannot be started.

Recommended Action:

Configure a group without configuration errors.

%BGP-E-NONXTHOPUSEGR Next-Hop-Self can only be used with external group. <*name*> is not an external group

Explanation:

Next-hop-self setting can only be used with an external group.

Recommended Action:

Remove the next-hop-self setting for the specified non-external group.

%BGP-E-NONXTHOPUSEHS Next-Hop-Self can only be used with external host. <*name*> is not a external host

Explanation:

Next-hop-self option can only be used for external peer host. The specified peer host does not belong to group type external.

Recommended Action:

Remove the next-hop-self setting.

%BGP-E-NOPEERORNET BGP group has neither configured peers or an allow list: invalid configuration

Explanation:

The BGP group has no configured peer or no allow list.

Recommended Action:

Configure a peer using the **bgp add peer-host** command or an allowed network using the **bgp add network** command.

%BGP-E-NORTRIDCFGD No router-id has been configured for the router

Explanation:

No router-id has been configured for the router.

Recommended Action:

Specify the router-id using the **ip-router global set router-id** command.

%BGP-E-NOSUCHTASK BGP Task does not exist

Explanation:

BGP is not running.

Recommended Action:

BGP can be started by using the **bgp start** command.

%BGP-E-NUMOFGROUPERR Number of groups mismatch (max <*number*> cur <*number*>)

Explanation:

There is a mismatch in the internal group data structures.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%BGP-E-NUMOFHOSTERR Number of hosts mismatch (max <*number*> cur <*number*>) in group <*name*>

Explanation:

There is a mismatch in the internal peer host data structures.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%BGP-E-NUMOFNETERR Number of net mismatch (max <*number*> cur <*number*>) in group <*name*>

Explanation:

There is a mismatch in the internal network data structures.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%BGP-E-OBJMISS BGP object to be displayed must be specified

Explanation:

A BGP object has not yet been specified.

Recommended Action:

Specify the BGP object.

%BGP-E-PEERIDSAME Peer router-id (<*name*>) is the same as that of the router

Explanation:

The peer host address is the same as this router's ID.

Recommended Action:

Either change the peer host address or change this router's ID so that they are different.

%BGP-E-PROTONOTCFG IGP protocol must be specified for internal routing group. No protocol is specified for group <*name*>

Explanation:

An IGP protocol is not specified for the specified internal routing group.

Recommended Action:

Specify an IGP protocol for the specified internal routing group.

%BGP-E-PROTONOTCFGED Proto option should be specified for group types IGP and Routing

Explanation:

The protocol option is not configured for group types IGP or routing.

Recommended Action:

A protocol should be configured for group types routing and IGP. Configure the protocol for the peer-group.

%BGP-E-REUSEBELOW reuse-below metric must be less than suppress-above metric

Explanation:

The reuse-below metric must be less than the suppress-above metric.

Recommended Action:

Set the reuse-below metric to be less than the suppress-above metric. The default value of the reuse-below metric is 2 and the default value of the suppress-above metric is 3.

%BGP-E-RECVFROM: recvfrom() failed with errno %d

Explanation:

Internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%BGP-E-SAMEGROUP at least as, type rrclient, or localas should be different between groups <*name*> and <*name*>

Explanation:

Either AS, type, rrclient, or local AS should be different between two groups.

Recommended Action:

Configure either the AS, type, rrclient or local AS differently for the specified groups.

%BGP-E-TSKDELETED BGP Task is in deleted state (flags = <*hex value*>)

Explanation:

BGP Task is in the deleted state.

Recommended Action:

Reboot the system. Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%BGP-E-UNREACHDECAY Unreach-decay time should be greater than or equal to reach-decay time

Explanation:

The unreach-decay time must be greater than or equal to the reach-decay time.

Recommended Action:

Set the unreach-decay time to be greater than or equal to the reach-decay time. The default value of the unreach-decay time is 900 and the default value of the reach-decay time is 300.

%BGP-E-WRKINPROGRESS: Work In Progress and not completed; Activate tracing by going into Config Mode BGP Commands

Explanation:

Activating BGP tracing from a mode other than the Configure mode is not completed. Activate BGP tracing from the Configure mode.

Recommended Action:

Use the BGP tracing command in the Configure the mode.

%BGP-E-ZEROGRPCFGED No groups configured

Explanation:

There are no groups configured for BGP. At least one group and a peer host should be configured.

Recommended Action:

Configure at least one group for BGP using the **bgp create peer-group** command.

%BGP-E-ZEROPEERS BGP group <*name*> has neither configured peers or an allowed networks list

Explanation:

The BGP group has no peer configured for it or any allowed networks.

Recommended Action:

Configure a peer using the **bgp add peer-host** command or an allowed network using the **bgp add network** command.

%BGP-E-ZEROGRPCFGED: No Groups configured.

Explanation:

There are no groups configured for BGP.

Recommended Action:

Configure a BGP group to activate BGP.

8 CLI MESSAGES

This chapter describes the messages for the Command Line Interface (CLI) facility.

8.1 INFORMATIONAL MESSAGES

%CLI-I-LSPDEL LSP \"%s\" is removed.

Explanation:

The LSP has been deleted.

Recommended Action:

Informational message. No action required.

%CLI-I-LSPINIT LSP \"%s\" is being initialized.

Explanation:

The LSP is being initialized.

Recommended Action:

Informational message. No action required.

%CLI-I-LSPMAPPINGREJECT LSP \"%s\" : label mapping is rejected. MPLS Error = (0x%x, 0x%x).

Explanation:

The label mapping is rejected.

Recommended Action:

Informational message. No action required.

%CLI-I-LSPRELEASE LSP \"%s\" : label %d is released.

Explanation:

The LSP was deleted by the software.

Recommended Action:

Informational message. No action required.

%CLI-I-LSPREJECT LSP \"%s\" : label request is rejected. MPLS Error = (0x%x, 0x%x).

Explanation:

Conditions have not been met for setting up the LSP.

Recommended Action:

Informational message. No action required.

%CLI-I-LSPUP LSP \"%s\" is up.

Explanation:

Use the LSP.

Recommended Action:

Informational message. No action required.

%CLI-I-LSPWITHDRAW LSP \"%s\" : label %d is withdrawn.

Explanation:

The LSP has been deleted by the software.

Recommended Action:

Informational message. No action required.

8.2 WARNING MESSAGES

%CLI-W-CHANGES Uncommitted configuration changes exist.

Explanation:

The user is attempting to log off or exit but there are non-committed configuration changes in the scratchpad.

Recommended Action:

Commit the changes.

%CLI-W-INMLP port '%s' is part of MLP bundle mp.%d

Explanation:

The user is attempting to refer to an individual port that is part of a multi-port bundle using a command that does not allow it.

Recommended Action:

The required action depends on the particular command. Either remove the port from the multiport bundle, or refer to the multiport bundle itself in the command.

%CLI-W-INTRUNK port ’<portname>’ is part of ’<name>’.

Explanation:

The specified port belongs to a SmartTRUNK. Depending on the operation of the command, this may or may not be allowed.

Recommended Action:

Ensure that the command will execute on a port that belongs to a SmartTRUNK.

%CLI-W-MODNOTFOUND <*Module_name*>: module '<*number*>' does not exist - ignoring.

Explanation:

The user is referring to a physical module that is not currently available on the system. This warning message indicates that the command specified will not have an effect on the module since the module does not exist.

Recommended Action:

Verify that the module exists on the router.

%CLI-W-MON_CONSOLE Terminal monitor not necessary for the Console

Explanation:

The user is attempting to turn on terminal monitoring on the console.

Recommended Action:

No action required. Terminal monitoring is not necessary on the console. Console output will display by default.

%CLI-W-NOHISTENT non-existent history entry '<*command_name*>'

Explanation:

The user tried to recall a command in the command history buffer that does not exist.

Recommended Action:

Check the command and re-enter.

%CLI-W-PORTBAD Port '<*port_name*>' failed self-test - ignoring

Explanation:

During system initialization, the port failed self-test.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CLI-W-PORTNOTFOUND port '<*port_name*>' does not exist - ignoring.

Explanation:

The user is referring to a port on a module that is not currently available on the system.

Recommended Action:

Verify the port exists in the router before attempting to configure the specified port. This is simply a warning message indicating that the command the user specified will not have an effect on the port since the module does not exist.

%CLI-W-RSVPNEWAUTHKEY Setting new authentication key. Existing TE-RSVP LSPs on interface %s may be torn down.

Explanation:

An authentication key was changed.

Recommended Action:

No action required.

8.3 ERROR MESSAGES

%CLI-E-ATM_ONLY This command requires an ATM port

Explanation:

The user entered a non-ATM port for a command that requires ATM ports.

Recommended Action:

Re-enter the command using an ATM port.

%CLI-E-BADIFNAME Illegal interface name: “<*interface_name*>” is a reserved keyword

Explanation:

The user attempted to use a reserved keyword as an interface name. The reserved keywords are **`default`** and **`all`**.

Recommended Action:

Specify a different name for the given interface.

%CLI-E-BADMCASTADDR Multicast address required: '<*IP_address*>'

Explanation:

The command requires a multicast address as a parameter but the user entered a non-multicast address.

Recommended Action:

Specify a multicast address.

%CLI-E-BADNAME Illegal name: '<*Hostname*>', use alphanumeric and dash '-' only

Explanation:

An illegal hostname is specified. The name can have alphanumerics and dashes only.

Recommended Action:

Specify a valid hostname with alphanumerics and dashes only.

%CLI-E-BADNAME2 Illegal name: '<*Hostname*>', use alphanumeric, h '-' and '_' only.

Explanation:

An illegal name is specified. The name can have alphanumerics, dashes, and underscores only.

Recommended Action:

Specify a valid name with alphanumerics, dashes, and underscores only.

%CLI-E-BADOPTCOMBO options '<*option_name*>' and '<*option_name*>' may not be used together

Explanation:

The two options are mutually exclusive and may not be used together.

Recommended Action:

Verify the options and re-enter command.

%CLI-E-BADUNIADDR Unicast address required: '<*IP_address*>'

Explanation:

The command requires an IP unicast address as a parameter but the user entered a non-unicast address.

Recommended Action:

Specify a unicast address.

%CLI-E-CLI_CHANNELIZED_NO_WAN_PORT card %d physical port %d%s does not exist

Explanation

The command specified a T1 or T3 channel that does not exist or has yet to be configured.

Recommended Action:

Use the **`port set`** command to specify the protocol before using the WAN port name as a parameter for another command.

%CLI-E-CLI_NO_WAN_PROTO No protocol specified for slot %d port %d %s use ‘port set’ command to specify the WAN encapsulation

Explanation:

The protocol (PPP/MLPPP/Frame Relay) to use with the WAN link has not been specified yet.

Recommended Action:

Use the **`port set`** command to specify the protocol before using the WAN port name as a parameter for another command.

%CLI-E-CMDEXECUTE error during command execution.

Explanation:

An error occurred when the configuration command was executed.

Recommended Action:

Another error follows this error message which indicates the actual cause of the error. Examine the subsequent error message and fix the problem accordingly.

%CLI-E-CMDUNKNWN unknown or ambiguous command '<*command_name*>'

Explanation:

The user specified a command or reserved word that does not exist or is ambiguous.

Recommended Action:

Ensure that the command was typed in correctly. If there are multiple commands that match the specific command typed (ambiguous command), enter additional characters of the command.

%CLI-E-COMPUNKNWN unknown or ambiguous facility component '<*command_name*>'

Explanation:

The user specified a command or reserved word that does not exist or is ambiguous.

Recommended Action:

Ensure that the command was typed in correctly. If there are multiple commands that match the specific command typed (ambiguous command), enter additional characters of the command to clear the ambiguity.

%CLI-E-FACADD error adding facility '<*name*>'

Explanation:

System resources are limited and the CLI system facility failed to initialize.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CLI-E-FACUNKNWN unknown or ambiguous facility '<*command_name*>'

Explanation:

The user specified a command or reserved word that does not exist or is ambiguous.

Recommended Action:

Ensure that the command was typed in correctly. If there are multiple commands that match the specific command typed (ambiguous command), enter additional characters of the command to clear the ambiguity.

%CLI-E-FAILED Execution failed for "<*command_name*>"

Explanation:

An error occurred when the specified command was executed.

Recommended Action:

Another error follows this error message which indicates the actual cause of the error. Examine the subsequent error message and fix the problem accordingly.

%CLI-E-HISTNOMEM error adding to history file - insufficient memory

Explanation:

Insufficient memory for the command history file.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CLI-E-HOSTBITS Host portion of IP address not zero: '<*IP_address*>'

Explanation:

When the specified IP address is ANDed with the specified netmask, the host portion of the address is not 0. The command that was just executed expects the host portion of the address to be 0.

Recommended Action:

Specify an IP address with the network portion of the address that matches the specified netmask. For example, 1.2.3.4/24 is not valid, but 1.2.3.0/24 is.

%CLI-E-INCMPCMD incomplete command - aborting

Explanation:

The command is incomplete. It is either missing a parameter value or a required option.

Recommended Action:

Specify a complete command with the missing parameter.

%CLI-E-INCMPQUOTE unterminated quote - missing terminating (")

Explanation:

A string in quotes is missing the terminating quote.

Recommended Action:

Re-enter the command with the terminating quote.

%CLI-E-INITFAIL MPLS system initialization failed.

Explanation

MPLS initialization failed.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CLI-E-IPC_QUEUE error in opening IPC queue for this session

Explanation:

An internal error occurred when initializing the CLI.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CLI-E-IPC_QUEUE_CLOSE error in closing IPC queue for this session

Explanation:

An internal error occurred when shutting down the CLI.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CLI-E-IVADDR invalid memory address '<*memory_address*>'

Explanation:

An invalid memory address is specified. A memory address must be a non-negative number.

Recommended Action:

Specify a non-negative memory address.

%CLI-E-IVADDRLIST invalid memory address list '<*memory_address*>'

Explanation:

One or more addresses in the memory address list is invalid. A memory address must be a non-negative number.

Recommended Action:

Specify a non-negative memory address.

%CLI-E-IVCHANNEL invalid or unoccupied channel number specified: '<*channel_number*>'

Explanation:

The user specified a channel that does not exist or is not occupied.

Recommended Action:

Specify a channel that is occupied.

%CLI-E-IVCMD invalid command '<*command_name*>'

Explanation:

An invalid command word is specified.

Recommended Action:

Ensure the command exists and that the wrong command was not typed in.

%CLI-E-IVCONDITIONAL invalid conditional expression '<*expression_type*>'

Explanation:

An invalid conditional expression was specified. A conditional expression must start with a conditional symbol and be followed by a number. The three acceptable conditional symbols are > (greater than), < (less than), and != (not equal to). For example, the following are are valid conditional expressions:

- >1024 (greater than 1024)
- <1024 (less than 1024)
- !=1024 (not equal to 1024).

Recommended Action:

Specify a valid conditional expression.

%CLI-E-IVFACINST invalid facility instance '<*parameter_name*>'.

Explanation:

An invalid parameter is specified.

Recommended Action:

Ensure that the parameter entered agrees with the parameter type and value of the command.

%CLI-E-IVFLOAT invalid floating point number ’<number>’.

Explanation:

An invalid floating-point number is specified.

Recommended Action:

Enter a valid floating-point number.

%CLI-E-IVHEX invalid hexadecimal value '<*hex_value*>'.

Explanation:

An invalid hexadecimal number is specified. Only 0 through 9 and A through F are valid digits for a hexadecimal number.

Recommended Action:

Specify a valid hexadecimal number.

%CLI-E-IVIFNAME_IPADDR invalid interface name or IP address '<*IP_address/Interface_name*>'

Explanation:

An invalid interface name or an invalid IP address is specified. Only letters, periods (.), dashes (-) and underscores (_) are allowed in an interface name. In addition, the strings **`default`** and **`all`** are reserved and cannot be used.

Recommended Action:

Specify a valid interface name or a valid IP address.

%CLI-E-IVIFNAMES invalid interface name list given: '<*interface_name*>'

Explanation:

One or more specified interface names in the interface name list is invalid. Names in the interface name list must be separated by commas (,) without spaces.

Recommended Action:

Specify a valid interface name list.

%CLI-E-IVIPADDR invalid IP address '<*IP_address*>'

Explanation:

An invalid IP address is specified.

Recommended Action:

Specify an IP address of the form x.x.x.x where x must be between 0-255.

%CLI-E-IVIPADDR_MASK invalid IP address or mask '%s'

Explanation:

An IP address and mask pair in which the address and/or mask is invalid has been specified. Depending on the command, the mask may be a network mask or filtering mask. The mask can be described using the traditional IP address syntax (255.0.0.0) or the CIDR syntax (/8). For example, the following two parameters are equivalent, 10.1.0.0/255.255.0.0 or 10.1.0.0/16.

Recommended Action:

Specify a valid IP address and mask pair.

%CLI-E-IVIPLIST invalid IP address list '<*IP_address*>'

Explanation:

An invalid list of IP addresses is specified. If the list has more than one address, then the list must be specified inside quotes. Addresses must be separated by spaces.

Recommended Action:

Specify a valid IP address list.

%CLI-E-IVIPRANGE invalid IP range specified '%s'

Explanation:

An invalid IP range is specified.

Recommended Action:

Specify an IP range in the form x.x.x.x-x.x.x.x where x must be between 0-255. Re-enter the command for a non-ATM port.

%CLI-E-IVIPXADDR invalid IPX address '<*IPX_address*>'

Explanation:

An invalid IPX address is specified. A valid IPX address is a hexadecimal number less than 0xffffffff.

Recommended Action:

Specify a valid IPX address.

%CLI-E-IVIPXADDR_MAC invalid IPX network.node address '<*IPX_address*>'

Explanation:

An invalid IPX network.node address is specified. The network portion of the address must be a valid IPX address. The node portion of the address must be a valid MAC address. The two components of the address are separated by a period (.) without any spaces between them.

Recommended Action:

Specify a valid IPX address.

%CLI-E-IVLIST invalid list '<*command_name*>'

Explanation:

An invalid CLI list has been specified.

Recommended Action:

Verify the CLI list and re-enter the command.

%CLI-E-IVMACADDR invalid MAC address '<*MAC_address*>'

Explanation:

An invalid MAC address has been specified.

Recommended Action:

Re-enter a proper MAC address. The format of the MAC address should be xx:xx:xx:xx:xx:xx or xxxxxx:xxxxxx.

%CLI-E-IVMASK Non-contiguous mask not allowed

Explanation:

The mask was non-contiguous.

Recommended Action:

Re-enter a continuous mask.

%CLI-E-IVMODRANGE module range '<*module_name*>' is illegal

Explanation:

An invalid module range has been specified.

Recommended Action:

Verify the module range and re-enter a valid module range.

%CLI-E-IVNAME_IPADDR invalid hostname or IP address '<*IP_address/Hostname*>'

Explanation:

An invalid hostname or IP address has been specified.

Recommended Action:

Verify the IP address is in the correct format xxx.xxx.xxx.xxx, or thet the hostname is valid.

%CLI-E-IVNUMBER invalid numerical value '%s'

Explanation:

The numerical value specified is not valid.

Recommended Action:

Verify the numerical value and re-enter command with a valid number.

%CLI-E-IVNUMHILIMIT numerical value '<*number*>' is higher than acceptable

Explanation:

The numerical value is larger than acceptable.

Recommended Action:

Verify the numerical value and re-enter the command with a valid number.

%CLI-E-IVNUMLOLIMIT numerical value '<*number*>' is lower than acceptable

Explanation:

The numerical value specified is smaller than acceptable.

Recommended Action:

Verify the numerical value and re-enter the command with a valid number.

%CLI-E-IVNUMRANGE invalid numerical range '<*number*>' (e.g. 1,3-5,6,13-25)

Explanation:

Numerical range is not valid.

Recommended Action:

Verify the numerical value and re-enter the command with a valid number.

%CLI-E-IVOBJINST invalid object instance '<*object_name*>'

Explanation:

The object instance of the CLI command is not valid.

Recommended Action:

Verify the object instance and re-enter the command with a valid object instance.

%CLI-E-IVOPT invalid option or option value '<*option_name*>'

Explanation:

The option or option value of the CLI command is not valid.

Recommended Action:

Verify the option value and re-enter the command with a valid option instance and valid option value.

%CLI-E-IVOPTVAL invalid option value '<*option_name*>'

Explanation:

The option value of the CLI command is not valid.

Recommended Action:

Verify the option value and re-enter command with a valid option value.

%CLI-E-IVPORTNAME syntax error in port name '<*port_name*>'

Explanation:

The port name is invalid.

Recommended Action:

Ensure that the port name specified (e.g., et.1.2, gi.3.1) is valid and that it is physically present.

%CLI-E-IVPORTRANGE port range '<*port_name*>' is illegal

Explanation:

The port range is not legal.

Recommended Action:

Ensure that the port range (1-8 for et) (1-2 for gi) is valid.

%CLI-E-IVPORTLIST invalid port's list '<*port_name*>'

Explanation:

The port range is not legal.

Recommended Action:

Ensure that the port range (1-8 for et) (1-2 for gi) is valid.

%CLI-E-IVPORTYPE unrecognized port type '<*port_type*>'

Explanation:

The port type is invalid.

Recommended Action:

Ensure that the port type (et, gi, etc) is valid and it is physically present.

%CLI-E-IVSAPSRVNAME invalid SAP server name: '<*server_name*>'

Explanation:

The SAP server name is invalid.

Recommended Action:

Verify the SAP server name and re-enter the command with a valid SAP server name.

%CLI-E-IVSTPORT invalid SmartTRUNK *port ’<st>’

Explanation:

The specified SmartTRUNK port is invalid. A SmartTRUNK must have the syntax **st.**<*n*> where <*n*> is the SmartTRUNK number.

Recommended Action:

Specify a valid SmartTRUNK port.

%CLI-E-IVURL invalid URL: '<*URL_name*>'

Explanation:

The URL is invalid.

Recommended Action:

Verify the URL and re-enter the command with a valid URL.

%CLI-E-IVVCRANGE VC range ’number’ is illegal

Explanation:

The specified VC range is illegal. The valid VC range is between 16 and 991.

Recommended Action:

Specify a VC range between 16 and 991.

%CLI-E-LARGELIST list of <*number*> elements is too large

Explanation:

The CLI list is too large.

Recommended Action:

Re-enter the command with fewer elements.

%CLI-E-LARGENUMRNG numerical list of <*number*> is too large

Explanation:

The numerical list is too large.

Recommended Action:

Re-enter the command with fewer numerical elements.

%CLI-E-LARGEPORTRNG port list of <*number*> ranges is too large

Explanation:

The port list is too large.

Recommended Action:

Re-enter the command with fewer port elements.

%CLI-E-MAXLEN "<*command_name*>" exceeded maximum length of <*number*> characters

Explanation:

The CLI command is too long.

Recommended Action:

Ensure that the interface names are not excessive in length.

%CLI-E-MISSING_VCI Missing VCI specification

Explanation:

The user entered a port with no VCI specification in a command that requires VCI specification.

Recommended Action:

Re-enter the command with a port that has a VCI Specification.

%CLI-E-MISSING_VPI Missing VPI specification

Explanation:

The user entered a port with no VPI specifications in a command that requires VPI specification.

Recommended Action:

Re-enter the command with a port that has a VPI Specification.

%CLI-E-MISSOPTION missing one of these required options: <*option_name*>

Explanation:

One of the required CLI command options is missing.

Recommended Action:

Re-enter the command with the appropriate option.

%CLI-E-MISSREQD Missing required parameter '<*parameter_name*>'

Explanation:

One of the required CLI command parameters is missing.

Recommended Action:

Re-enter command with the appropriate parameter.

%CLI-E-MODRANGEBAD module range '<*module_name*>', syntax error.

Explanation:

The module range is invalid.

Recommended Action:

Re-enter the command with a valid module range (e.g., et.1.8).

%CLI-E-MODULEONLY Please enter module specification only (e.g. hs.3).

Explanation:

The command requires the user to enter a WAN module without any port or VC information. For example, to specify HSSI module 3, the user should enter **`hs.3`**.

Recommended Action:

Re-enter the command with a WAN module only.

%CLI-E-MPLSNOMEM No memory left.

Explanation

Memory allocation for the MPLS module failed.

Recommended Action:

Add more memory.

%CLI-E-MP_ONLY This command requires an MLP port only eg mp.1

Explanation:

This message displays when any command line port parameter accepts as a valid parameter a Multilink PPP (MLP or MLPPP) port name such as **`mp.1`** or **`mp.2`**.

Recommended Action:

Re-enter the command.

%CLI-E-NAMETOOLONG port name '<*port_name*>' is too long

Explanation:

The CLI port name is too long.

Recommended Action:

Re-enter the command with a valid port name; for example **`et.1.8`**.

%CLI-E-NOATM ATM port not allowed for this command

Explanation:

The user specified an ATM port in a command that does not operate on an ATM port.

Recommended Action:

Re-enter the command.

%CLI-E-NOFACINST no facility instance allowed

Explanation:

This CLI facility instance is invalid.

Recommended Action:

Re-enter the command with the proper syntax.

%CLI-E-NOMEM processing error - insufficient memory

Explanation:

There is insufficient memory for operation.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CLI-E-NOMP MLP port not allowed; physical port only

Explanation:

The user specified an MLP port in a command that does not include MLP ports.

Recommended Action:

Re-enter the command using another non-MLP port.

%CLI-E-NOOPTVAL missing required value for option '<*value*>'

Explanation:

One of the required CLI command options is missing.

Recommended Action:

Re-enter the command with the appropriate option.

%CLI-E-NOPHYPORT physical port not allowed; SmartTRUNK* port only

Explanation:

The user specified a physical port in a command that uses SmartTRUNK ports only.

Recommended Action:

Re-enter the command with a SmartTRUNK port.

%CLI-E-NOTRUNK SmartTRUNK *port not allowed; physical port only.

Explanation:

The user specified a SmartTRUNK in a command that uses physical ports only.

Recommended Action:

Re-enter the command with a physical port.

%CLI-E-NOVC VC specification is not allowed

Explanation:

The user specified a VC for a WAN port in a command that does not allow a VC to be specified.

Recommended Action:

Re-enter the command using a WAN port without a VC.

%CLI-E-NOWAN WAN port not allowed for this command

Explanation:

The user specified a WAN port in a command that does not operate on a WAN port.

Recommended Action:

Re-enter the command with a non-WAN port.

%CLI-E-OBJUNKNWN unknown or ambiguous command object '<*command_name*>'

Explanation:

The CLI command is invalid.

Recommended Action:

Re-enter the command with the proper syntax.

%CLI-E-OPTREQSOPT option '<*option_name*>' requires ONE of these options: <*option_name*>

Explanation:

The CLI command requires another option.

Recommended Action:

Re-enter the command with the proper option.

%CLI-E-OPTUNKNWN unknown or ambiguous option '<*option_name*>'

Explanation:

One of the required CLI command options is invalid.

Recommended Action:

Re-enter the command with the appropriate option.

%CLI-E-PARSEIVKYWD parser error - invalid keyword '<*command_name*>'

Explanation:

The CLI command has an invalid keyword.

Recommended Action:

Re-enter the command with the appropriate keyword.

%CLI-E-PARSENOOPT parser error - missing required option '<*command_name*>'

Explanation:

The CLI command requires another option.

Recommended Action:

Re-enter the command with proper options.

%CLI-E-PARSEOPTERR parser error during option processing - aborting

Explanation:

The CLI command could not be parsed.

Recommended Action:

Re-enter the command with the proper syntax.

%CLI-E-PORTRANGEBAD port range '<*port_name*>', syntax error

Explanation:

The port range is invalid.

Recommended Action:

Re-enter the command with the proper port range (e.g., et.1.(1-8)).

%CLI-E-Q_CREATE Failed to create ’%s’ queue.

Explanation

MPLS queue creation failed.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CLI-E-SEM_FAIL Failed to ’%s’ semaphore ’%s’.

Explanation

MPLS semaphore creation failed.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CLI-E-TOOMANYPORTS Only one port allowed '<*port_name*>'

Explanation:

Too many ports in the CLI command.

Recommended Action:

Re-enter the command with only one port specified.

%CLI-E-VCRANGEBAD VC range ’number’, syntax error

Explanation:

The specified range of VC is wrong or has a syntax error.

Recommended Action:

Specify a correct range of VC.

%CLI-E-WANONLY This command requires a WAN port

Explanation:

The user specified a non-WAN port when the command uses WAN ports only.

Recommended Action:

Re-enter the command with a WAN port.

9 CMHE MESSAGES

This chapter describes messages for the CMHE facility.

9.1 INFORMATIONAL MESSAGES

%CMHE-I-EURO_BPROM_OLD This EURODOCSIS-PROTO card reports older version of bootprom (less than 0.0.8). For the software to work properly with EURODOCSIS-PROTO cards, please upgrade the bootprom on the EURODOCSIS Prototype card OR upgrade the card to EURODOCSIS-REL version.

Description:

A bootprom version older than version 0.0.8 was found.

Recommended Action:

Upgrade the bootprom.

9.2 WARNING MESSAGES

%CMHE-W-HEADEND_DISABLED Packet received on disabled headend

Description:

The headend is disabled.

Recommended Action:

Enable the headend system using the CLI.

%CMHE-W-UPSTREAM_DISABLED Packet received on disabled upstream

Description:

The upstream ports are not enabled.

Recommended Action:

Use the CLI to enable the upstream ports.

%CMHE-W-DOWNSTREAM_DISABLED Packet received on disabled downstream

Description:

Downstream ports are not enabled.

Recommended Action:

Use the CLI to enable the downstream ports

%CMHE-W-REG_INVALID_MIC Modem attempted to register with invalid CMTS MIC (headend=%d,upstream=%d,modem=%s)

Description:

The modem attempted to register with an invalid CMTS.

Recommended Action:

Check to see if the correct string was entered. While entering the command, make sure you enter the exact same string as in the TFTP configuration file.

%CMHE-W-REG_INVALID_MAC Modem attempted to register with invalid MAC address (headend=%d,upstream=%d,modem=%s)

Description:

A modem attempted to register with an invalid MAC address.

Recommended Action:

Check the modem.

%CMHE-W-REG_INVALID_TFTP_TIMESTAMP Modem attempted to register with invalid tftp timestamp(headend=%d,upstream=%d,modem=%s,ip=%s)

Description:

A modem attempted to register with an invalid timestamp.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-W-BPI_MAC_NOMATCH Unexpected modem mac in attribute list (attr_mac=%s,headend=%d,upstream=%d,modem=%s)

Description:

The modem mac in the attribute list is invalid. There is a possible security problem or a non-DOCSIS modem.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-W-BPI_SEQ_NOMATCH Unexpected modem key sequence number (seq=%d,headend=%d,upstream=%d,modem=%s)

Description:

The modem is out of sync.

Recommended Action:

None.

%CMHE-W-BPI_DIGEST_NOMATCH Incorrect upstream key digest (headend=%d, upstream=%d, modem=%s)

Description:

The modem is out of sync.

Recommended Action:

None.

%CMHE-W- BPI_SID_NOMATCH Requested SID not associated with modem (sid=%d,headend=%d,upstream=%d,modem=%s)

Description:

The requesting SID is not associated with the modem. There may be a possible security problem or a non-DOCSIS modem.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-W-BPI_FIELD_FAILModem request message missing fields (mask=%d,headend=%d,upstream=%d,modem=%s)

Description:

The modem request message is incomplete. There may be a possible security problem or a non-DOCSIS modem.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-W-BPI_MIS_CFG Lifetime and Gracetime misconfigured(type=%s, lifetime=%d, gracetime=%d, headend=%d, upstream=%d, modem=%s)

Description:

The gracetime exceeds the lifetime of the modem key.

Recommended Action:

Reconfigure the lifetime value.

%CMHE-W-BPI_OVERRIDE Configured values overridden by modem config file (type=%s, cmts=%d, cm=%d, headend=%d, upstream=%d, modem=%s)

Description:

The configured values have overridden the modem configuration file.

Recommended Action:

None.

%CMHE-W-UDP_CKSUM_INCORRECT UDP Checksum Incorrect (modem=%s)

Description:

The UDP checksum for the modem %s is incorect.

Recommended Action:

None.

%CMHE-W-DHCP_SPOOF Client %s attempting to run DHCP server (headend=%d, upstream=%d, modem=%s, %d times)

Description:

The modem %s is trying to send DHCP spoof messages.

Recommended Action:

Enable anti-DHCP spoofing.

%CMHE-W-IP_SPOOF Client MAC %s was configured with IP address %s but is using %s on (headend=%d, upstream=%d, modem=%s)

Description:

The modem %s is trying to send IP spoof messages.

Recommended Action:

Enable anti-IP spoofing.

%CMHE-W-RUNT_DATA_PACKET

Description:

The router recieved a packet that was too small.

Recommended Action:

None.

9.3 ERROR MESSAGES

%CMHE-E-CLI_ERROR_SEND_FAIL cli command was not sent to due to IPC failure

Description:

The CMTS module may be down.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-CLI_WRONG_OBJECT_ID cli: Got cli msg with unrecognized object id

Description:

The CMTS module may be down.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-CLI_WRONG_OPCODE cli: Got cli msg with unrecognized opcode

Description:

The CMTS module may be down.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-BPI_TMR_CREATE Internal error when creating timer: code %d

Description:

An internal error has occurred.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-BPI_TMR_START Internal error start timer failed: code %d

Description:

An internal error has occurred.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-BPI_Q_CREATE Internal error create queue failed: code %d

Description:

An internal error has occurred.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-BPI_MEM_FAIL Failed to allocate memory for BPI (headend=%d, upstream=%d, modem=%s)

Description:

The system is out of memory resources.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-BPI_AK_FAIL Error generating AK (code=%d, headend=%d, upstream=%d, modem=%s)

Description:

An internal error has occurred.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-BPI_TEK_FAIL Error generating TEK (code=%d, headend=%d, upstream=%d, modem=%s)

Description:

An internal error has occurred.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-BPI_TEK_ENC_FAIL Error encrypting TEK (code=%d, headend=%d, upstream=%d, modem=%s, sid=%d)

Description:

An internal error has occurred.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-INIT_LARGE_PB_ERROR_NOMEM No memory to initialize large packet buffer pool

Description:

An internal error has occurred.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-INIT_SMALL_PB_ERROR_NOMEM No memory to initialize small packet buffer pool

Description:

An internal error has occurred.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-MODEM_CREATE_NOMEM No memory to allocate modem

Description:

An internal error has occurred.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-MODEM_CREATE Couldn’t create new modem entry

Description:

An internal error has occurred.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-SIDFLOW_CREATE_NOMEM No memory to allocate sid flow

Description:

An internal error has occurred.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-INGRESS_INVALID_MODEM Invalid modem for MAC %s

Description:

A modem error has occurred.

Recommended Action:

Check the modem.

%CMHE-E-INGRESS_INVALID_VLAN No head-end for VLAN %d

Description:

A communication error has occurred.

Recommended Action:

Check to see if the configuration is correct.

%CMHE-E-INGRESS_ERROR_ENCAPS_LEN Invalid header length %d

Description:

An internal error has occurred.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CMHE-E-UPSTREAM_INVALID_VLAN Invalid VLAN ID : %d (headend=%d , upstream=%d)

Description:

A communication error has occurred.

Recommended Action:

Check to see if the configuration is correct.

%CMHE-E-UPSTREAM_DUPLICATE_MODEM_MAC Duplicate Modem Mac Received (headend=%d,upstream=%d,modem=%s)

Description:

A modem error has occurred.

Recommended Action:

Check the modem.

%CMHE-E-HEADEND_RELAY_AGENT_DISABLED Relay Agent Option Disabled. Enable first.

Description:

The relay agent option (DHCP Option 82) is disabled.

Recommended Action:

Enable the relay agent option.

%CMHE-E-RELAY_AGENT_SUB_OPT_EXISTS Sub Option Command (Circuit ID or Remote ID) exists. Negate first.

Description:

The relay agent sub-option specified has already been specified.

Recommended Action:

Negate the previous specification.

%CMHE-E-GIADDR_NON_ZERO GI Address is Non-Zero.

Description:

The DHCP GI address is not zero. DHCP found a spoofed GI address.

Recommended Action:

Enable anti-DHCP spoofing.

%CMHE-E-UPSTREAM_FREQ_OUT_OF_RANGE Frequency %d is out of the normal range of %d - %d (headend=%d, upstream=%d).

Description:

The frequency entered is out of range.

Recommended Action:

Re-enter a frequency that is in range.

%CMHE-E-BANDWIDTH_SLOTSIZE_TOOSMALL Bandwidth is too low for mini slot size.

Description:

The bandwidth entered is too narrow for the slot.

Recommended Action:

Re-enter a bandwidth that is wider.

%CMHE-E-BANDWIDTH_SLOTSIZE_TOOLARGE Bandwidth is too large for mini slot size.

Description:

The bandwidth entered is too wide for the slot.

Recommended Action:

Re-enter a bandwidth that is narrower.

10 CMTS MESSAGES

This chapter describes the messages for the CMTS facility.

10.1 WARNING MESSAGES

%CMTS-W-VLANADDFAIL <0> <2> vlan add port command failed on cmts slot %d port %d, starting clean-up

Description:

The port was not added to the VLAN.

Recommended Action:

Check the configuration to make sure that the port does not belong to another VLAN. Make sure the CMTS card is up.

10.2 ERROR MESSAGES

%CMTS-E-IVUPSTREAM<0> <2> Invalid CATV upstream channel value %d - valid range is 1 to %d

Description:

The upstream channel value is out of the valid range.

Recommended Action:

Check for the proper range and retry.

%CMTS-E-IVPORT<0> <1> Invalid CMTS port %s

Description:

The port specified in the command is not a valid cmts port.

Recommended Action:

Retry the command and specify a valid port.

%CMTS-E-APIFAILURE<0> <0>CMTS API failure

Description:

The application programming interface has failed.

Recommended Action:

Make sure the CMTS card is up and try the command again.

11 CONFIGURATION MESSAGES

This chapter describes the messages for the Configuration facility.

11.1 INFORMATIONAL MESSAGES

%CONFIG-I-ERASED Non-committed changes erased

Explanation:

Non-committed changes in the scratchpad are erased.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-ERASED Startup configuration file erased

Explanation:

The Startup configuration file is erased.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-NOCHANGES There are no non-committed changes

Explanation:

The user is attempting to examine the non-committed commands in the scratchpad and there are not any.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-NOCONFIG The running system has no configuration

Explanation:

The user is attempting to examine the active configuration of the system but the system has no configuration.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-SAVED configuration saved to Startup configuration

Explanation:

The active configuration has been saved to the Startup configuration.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-TO_BE_DELETED Command '<*number*>' marked for negation

Explanation:

The specified command is marked for negation. The negation will occur once the scratchpad is committed to the active system.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-WILDCARD '<*number*>' command(s) marked for negation

Explanation:

This message indicates that *n* number of commands are marked for negation.

Recommended Action:

Informational Message. No action necessary.

%CONFIG-I-WRITTEN File copied successfully.

Explanation:

The requested file copy operation completed successfully.

Recommended Action:

Informational Message. No action necessary.

11.2 WARNING MESSAGES

%CONFIG-W-BACKUP_CFG Cannot find Startup config - using backup on PCMCIA flash

Explanation:

While booting, the system was unable to locate the startup config, and therefore is attempting to boot from a backup on the PCMCIA flash.

Recommended Action:

Create a startup config by doing a save startup with the desired active configuration.

%CONFIG-W-CFG_BLANK Startup config has no useful commands - using backup on PCMCIA flash

Explanation:

While booting, the system found no valid commands in the startup config, and therefore is attempting to boot from a backup on the PCMCIA flash.

Recommended Action:

Create a startup config by doing a save startup with the desired active configuration.

%CONFIG-W-MISMATCHPotentially incompatible versions between the configuration (<*number*>.<*number*>) and the system software (<*number*>.<*number*>)

Explanation:

The configuration file was created using a version of the system software that is different from the version that is running on the system. The version numbers are displayed in parenthesis.

Recommended Action:

Re-enter configuration using current system software.

%CONFIG-W-NOCOMMITChanges in Scratchpad not committed to the running system

Explanation:

This warning message is displayed when you want to exit Configure mode after making configuration changes but did not commit the changes. The non-committed changes will not have any effect on the running system. They will stay in the Scratchpad until you commit them or erase the scratchpad.

Recommended Action:

Commit the changes if you want them to effect the running system.

%CONFIG-W-NOTSAVEDChanges made to the running system are not saved to Startup.

Explanation:

Changes were made to the configuration of the running system but the changes are not saved in the Startup configuration. If the system is rebooted without saving these changes, the changes will be lost. This message is displayed when you want to exit the current login session or reboot and the active configuration does not match the Startup configuration.

Recommended Action:

Save configuration to startup if you wish the system to startup using the current configuration.

11.3 ERROR MESSAGES

%CONFIG-E-BADMOVE Source and Destination are the same

Explanation:

While using the ACL editor the user attempted to move an existing ACL to its existing position.

Recommended Action:

Verify that the ACL destination was entered correctly.

%CONFIG-E-BADPATH Bad file or pathname specified: %s

Explanation:

When entering the path name of a config file, the user specified a path that dos not exist.

Recommended Action:

Re-enter the command with the correct path.

%CONFIG-E-BADVERSION Bad version string: <*version_name*>

Explanation:

The configuration file you have contains a bad version string.

Recommended Action:

Check to see if the version string in the configuration file is corrupted. See if you can restore a backup configuration file or try to manually fix the version string.

%CONFIG-E-BINARY Binary data encountered, configuration aborted

Explanation:

The configuration file downloaded from TFTP or RCP server contains binary data. The configuration file should only contain ASCII text characters.

Recommended Action:

Check to make sure you have the correct file or that the file contains only ASCII text characters.

%CONFIG-E-CONFIG_EMPTY There is no configuration information to save

Explanation:

The user is trying to save configuration information to a file but there is nothing to save. The configuration is empty.

Recommended Action:

None.

%CONFIG-E-DUPLICATE Command is already in the active configuration, ignored...

Explanation:

The user is attempting to enter a configuration command that is already in the active configuration. In other words, the same configuration command is entered again.

Recommended Action:

None.

%CONFIG-E-GET_SEMA4 Unable to acquire %s semaphore: %d

Explanation:

An internal error occurred when trying to access one of the configuration databases.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CONFIG-E-NOSUCHFILE Unable to find configuration file: %s

Explanation:

When entering the name of a config file, the user specified a file that does not exist.

Recommended Action:

Re-enter the command with the correct file name.

%CONFIG-E-NOSUBSTITUTE Cannot change options and negate the command at the same time; new command ignored...

Explanation:

The user tried to make active a set of scratchpad changes that included both a negation and option changes for the same command.

Recommended Action:

Only the negation will take effect. Re-enter the command with the new option.

%CONFIG-E-NONEGATE Cannot negate the command and change options at the same time; negation ignored...

Explanation:

The user tried to make active a set of scratchpad changes that included both a negation and option changes for the same command.

Recommended Action:

Only the change of options will take effect. Re-enter the negation command.

%CONFIG-E-REL_SEMA4 Unable to release %s semaphore: %d

Explanation:

An internal error occurred when trying to access one of the configuration databases.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CONFIG-E-NEED_COMMAND Need at least one command word to match

Explanation:

The user is attempting to do a wildcard negate operation using *no <string> ** but the specified wildcard string does not match any existing command.

Recommended Action:

Verify you have entered the wildcard string correctly.

%CONFIG-E-NOMATCH No matching command found

Explanation:

The user is attempting to negate a command (using “no ...”) but the specified command doesn’t exist.

Recommended Action:

Verify you have entered the command to be negated correctly. You can also use the *negate* command together with a command number.

%CONFIG-E-NOTFOUND Command number '<*number*>' not found

Explanation:

The user is attempting to negate a command that does not exist.

Recommended Action:

Check to make sure the command number you specified is correct.

%CONFIG-E-SEARCH Search string '<*string*>' not found

Explanation:

The user is searching the active configuration for all commands with the specified search string. This message indicates that the search string does not appear in any of the commands in the active configuration.

Recommended Action:

Check to make sure that you entered the search string correctly.

%CONFIG-E-TOOLONG Command is too long, ignored...

Explanation:

A command in the configuration file exceeds the maximum length of 256 characters. As a result, the command is ignored.

Recommended Action:

It is unlikely that a valid command can contain more than 256 characters. Check to make sure the command you entered is correct.

11.4 FATAL ERROR MESSAGES

%CONFIG-F-CREATE_SEMA4 Unable to create %s semaphore: %d

Explanation:

An internal error occurred when trying to create one of the configuration databases.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

12 CONSOLE MESSAGES

This chapter describes the messages for the Console facility.

12.1 WARNING MESSAGES

%CONS-W-AUTH_DENIED '<name>' server (<*ipaddr*>) access denied

Explanation:

This message appears when the authentication server denies you login access. This could be because you entered the wrong password or your username is not recognized.

Recommended Action:

Retry with proper password.

%CONS-W-AUTH_GRANTED '<name>' server access granted

Explanation:

This message appears when the authentication server successfully grants you login access.

Recommended Action:

Informational message. No action required.

%CONS-W-AUTH_NONE ’<name>’ server fallback: (none)

Explanation:

This message appears when the authentication server denies you login access and there is no fallback behavior configured.

Recommended Action:

Retry with proper password or configure a fallback behavior using the **last-resort** option.

%CONS-W-AUTH_PASSWD ’<name>’ server fallback: (password)

Explanation:

This message appears when the authentication server denies you login access but the fallback behavior is to verify your login access using the enable mode password.

Recommended Action:

Retry with proper password or do nothing.

%CONS-W-AUTH_SUCCEED ’<name>’ server fallback: (succeed)

Explanation:

This message appears when the authentication server denies you login access but the fallback behavior is to log you in regardless.

Recommended Action:

Retry with proper password or do nothing.

%CONS-W-AUTH_TIMEOUT ’<name>’ server (<*ipaddr*>) timeout

Explanation:

This message appears when the router times out while trying to connect to the authentication server.

Recommended Action:

Make sure the authentication server is up and it is reachable from the router.

%CONS-W-BADPASSWD incorrect password

Explanation:

This message appears when you type in an incorrect password.

Recommended Action:

Retry with proper password.

12.2 ERROR MESSAGES

%CONS-E-DEVBUSY tty device is owned by another process

Explanation:

This message appears when the terminal device is in use by another process.

Recommended Action:

Ensure no other telnet or console session are conflicting with your console operations.

%CONS-E-FDOVFL too many open files

Explanation:

This message appears when you cannot open any more files.

Recommended Action:

System resources are limited. Upgrade with more memory. If problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CONS-E-FACADD error adding facility '<*name*>'

Explanation:

System resources are limited and the Console system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CONS-E-FILEOVFL file table has overflowed

Explanation:

This message appears when you cannot open any more files.

Recommended Action:

System resources are limited. Upgrade with more memory. If problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CONS-E-IOCTL ioctl failed with status <*number*>

Explanation:

This message appears when the IOCTL resource failed.

Recommended Action:

System resources are limited. Upgrade with more memory. If the problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CONS-E-IVDEV unable to find tty device

Explanation:

This message appears when the terminal device is unavailable.

Recommended Action:

Attempt operation again. If problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CONS-E-LOGINFAIL console login failed

Explanation:

This message appears when the console login failed.

Recommended Action:

Ensure you have the appropriate username and password.

%CONS-E-NOFILEMEM insufficient memory to open files

Explanation:

This message appears when insufficient memory exists to open files.

Recommended Action:

System resources are limited. Upgrade with more memory. If problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CONS-E-NOMEM processing error - insufficient memory

Explanation:

This message appears when network load exceeds system capacity.

Recommended Action:

System resources are limited. Upgrade with more memory. If problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CONS-E-NOPROC unable to find process handle

Explanation:

This message appears when file process handle is unavailable.

Recommended Action:

System resources are limited. Upgrade with more memory. If problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CONS-E-PWD2LONG password is longer than <*number*> characters

Explanation:

This message appears when password length is too long.

Recommended Action:

Enter a shorter password.

%CONS-E-SIGCNTL signals could not be enabled, sts=<*hex_value*>

Explanation:

This message appears when signal handler could not be enabled.

Recommended Action:

System resources are limited. Upgrade with more memory. If the problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%CONS-E-SIGREG signal handler could not be registered, sts=<*hex_value*>

Explanation:

This message appears when signal handler is not available.

Recommended Action:

System resources are limited. Upgrade with more memory. If the problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

13 DHCP MESSAGES

This chapter describes the messages for the Dynamic Host Configuration Protocol (DHCP) server.

13.1 INFORMATIONAL MESSAGES

%DHCPD-I-DBEMPTY The DHCP lease database is empty

Explanation:

There is no data in the lease database, as there are currently no address assignments.

Recommended Action:

Informational message. No action necessary.

%DHCPD-I-DBFLUSHED DHCP lease database synchronized

Explanation:

The DHCP server has updated its lease database.

Recommended Action:

Informational message. No action necessary.

%DHCPD-I-NOACTIVE There are no active leases

Explanation:

There are no currently active leases.

Recommended Action:

Informational message. No action necessary.

%DHCPD-I-NOBINDING No binding found for the specified IP address

Explanation:

No lease exists for the specified IP address.

Recommended Action:

Informational message. No action necessary.

%DHCPD-I-NOEXPIRED There are no expired leases

Explanation:

There are no expired leases.

Recommended Action:

Informational message. No action necessary.

%DHCPD-I-NOSTATIC There are no static IP leases configured

Explanation:

There are no leases with static IP address assignments.

Recommended Action:

Informational message. No action necessary.

13.2 ERROR MESSAGES

%DHCPD-E-NOSUCHIF No such interface name or address: <*name/address*>

Explanation:

The specified interface does not exist.

Recommended Action:

Check the interface name or address you specified. Specify an interface that exists.

14 DVMRP MESSAGES

This chapter describes the messages for the Distance Vector Multicast Routing Protocol (DVMRP) facility.

14.1 INFORMATIONAL MESSAGES

%DVMRP-I-STARTED DVMRP service started

Explanation:

This message is displayed when DVMRP is started.

Recommended Action:

Informational Message. No action necessary.

%DVMRP-I-TERMINATED DVMRP service terminated

Explanation:

This message is displayed when DVMRP is stopped.

Recommended Action:

Informational Message. No action necessary.

14.2 WARNING MESSAGES

%DVMRP-W-NOTRUNNING DVMRP service is currently not running

Explanation:

This message is displayed when the DVMRP service is already stopped and a command is given to stop DVMRP.

Recommended Action:

Verify DVMRP service.

%DVMRP-W-STARTED_ALRDY DVMRP service started already

Explanation:

This message is displayed when the DVMRP service is already started and a command is given to start DVMRP.

Recommended Action:

Verify DVMRP service.

14.3 ERROR MESSAGES

%DVMRP-E-BADADDR <*IP_address*>: bad address

Explanation:

This message is displayed when the IP-address entered is not valid, e.g. a loopback interface address.

Recommended Action:

Verify IP-address and re-enter command.

%DVMRP-E-BADVALUE invalid value (must be between <*number*> and <*number*>)

Explanation:

This message is displayed when the value entered is outside the range of accepted values.

Recommended Action:

Verify values and re-enter command.

%DVMRP-E-BADADDRMASK address/mask %s does not map to 239.0.0.0/8 range

Explanation:

This message is displayed when the scope for the DVMRP service on an interface is outside the 239.0.0.0/8 range.

Recommended Action:

Only use the locally administrative range, for example 239.0.0.0/8, as the scope for DVMRP service on an interface.

%DVMRP-E-DUPIFADDR <*IP_address*>: duplicate address

Explanation:

This message is displayed when the IP address entered is already in use.

Recommended Action:

Verify the IP address.

%DVMRP-E-DUPNAME: interface <*name*> already exists

Explanation:

This message is displayed when the interface name entered is already in use.

Recommended Action:

Verify interface name.

%DVMRP-E-DUPTNL Tunnel <*tunnel-name*> is already defined

Explanation:

This message is displayed when the tunnel <tunnel-name> already has been defined between specified local and remote addresses.

Recommended Action:

Verify DVMRP tunnel name.

%DVMRP-E-IFNOTFOUND <*interface_name*>: no such interface address.

Explanation:

This message is displayed when the specified interface or IP-address does not exist.

Recommended Action:

Verify interface and IP-address.

%DVMRP-E-L2_ENABLED L2 IGMP Snooping enabled on vlan %s

Explanation:

This message is displayed when an attempt is made to enable layer 3 Multicasting on a VLAN that has Layer 2 IGMP snooping already enabled on it.

Recommended Action:

Both Layer 3 Multicasting and Layer 2 IGMP snooping cannot e enabled on the same VLAN. Remove Layer 2 IGMP snooping before enabling Layer 3 Multicasting.

%DVMRP-E-MEMORY not enough memory

Explanation:

This message is displayed when the DVMRP service runs out of memory.

Recommended Action:

If possible, remove some DVMRP service. Otherwise, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%DVMRP-E-RECVFROM recvfrom() failed with errno <*number*>

Explanation:

This message is displayed when the DVMRP service is not able to receive data.

Recommended Action:

Please call RTAC. Contact information is inSection 1.3, *"Riverstone Technical Assistance Center."*

%DVMRP-E-SEMAPHORE Could not get semaphore at startup

Explanation:

This message is displayed if DVMRP is unable to acquire a system semaphore.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%DVMRP-E-SYSTEM system error

Explanation:

This message is displayed when an internal error has occurred in the DVMRP service.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%DVMRP-E-TOOMANYVIF too many interfaces defined

Explanation:

This message is displayed when greater than 64 multicast interfaces have been defined.

Recommended Action:

Remove multicast interfaces until a maximum of 64 remain.

14.4 FATAL ERRORS

%DVMRP-F-IOCTL ioctl(<*string*>) failed, errno = <*number*>

Explanation:

This message is displayed when an internal error has occurred in the DVMRP service.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

15 HBT MESSAGES

This chapter describes the messages for the Control Module Heartbeat facility.

15.1 INFORMATIONAL MESSAGES

%HBT-I-HELLORCVD heartbeat from active <*cm_type*> in slot <*slot_id*>

Explanation:

Heartbeat message received by the backup Control Module from the primary Control Module in the specified slot.

Recommended Action:

Informational message. No action necessary.

%HBT-I-MASTERCPUFAIL active <*cm_type*> in slot <*slot_id*> has failed

Explanation:

Backup Control Module has detected a failure of the primary Control Module. Backup Control Module will assume primary role.

Recommended Action:

15.2 WARNING MESSAGES

%HBT-W-DIFFDRAM DRAM configurations between redundant <*cm_type*> differs (primary = <*mem_size*>, backup = <*mem_size*>)

Explanation:

The amount of CPU memory differs between the primary and backup Control Modules.

Recommended Action:

Ensure that both Control Modules have the same amount of CPU memory.

%HBT-W-DIFFNETMEM Network memory between redundant <*cm_type*> differs (primary = <*mem_size*>, backup = <*mem_size*>)

Explanation:

The amount of Network memory differs between the primary and backup Control Modules.

Recommended Action:

Install compatible versions of primary and backup Control Modules.

%HBT-W-HBTTAKEOVER Taking over mastership from peer CM

Explanation:

Backup control module is asked to become master by master CM because of some fatal error on master CM

Recommended Action:

Check old master control module.

%HBT-W-INCONSISMAC Inconsistent count of system MACS between redundant <*cm_type*> differs (primary = <*num_MACS*>, backup = <*num_MACS*>)

Explanation:

Primary and backup Control Modules have incompatible hardware in terms of number of Mac addresses supported.

Recommended Action:

Install compatible versions of primary and backup Control Modules.

%HBT-W-INVLDSRC Invalid source address <*src_addr*> attempting to connect to service port

Explanation:

A message was received from an invalid source.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-W-INVLDMSG Invalid message received from client port <*port_id*>, on channel <*channel_id*>

Explanation:

Invalid Heartbeat message received from backup Control Module.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-W-INVLDSRVC Invalid service request <*rqst_id*>, from client port <*port_id*>, on channel <*channel_id*>

Explanation:

Invalid service request received.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-W-NOFABRICCARD system is operating without any fabric modules

Explanation:

There are no working fabric modules in the system.

Recommended Action:

Install working fabric modules.

%HBT-W-SYNCINPROG database update currently in progress - please try again

Explanation:

The primary Control Module is currently transferring data to the backup Control Module.

Recommended Action:

Try the operation at a later time. A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-W-BACKUPFAILURE backup CM in slot <*slot_id*> is not operating

Explanation:

A backup Control Module has been detected, but it is not passing heartbeats properly.

Recommended Action:

Check to see if the backup Control Module is fully up and running. Replace indicated Control Module as needed.

%HBT-W-VERSMISMATCH HBT message version mismatch (primary = <*ver_id*>, backup = <*ver_id*>)

Explanation:

This message is displayed when the backup control module is running a different software version than the primary control module.

Recommended Action:

Reinstall the system software image. If the problem persists, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

15.3 ERROR MESSAGES

%HBT-E-BADPKT bad HBT message from physical port <*port_id*>

Explanation:

A message was received with an incorrect message ID.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-E-CFGRCVERR incorrect configuration file lengths, expected <*value*>, actual <*value*>

Explanation:

A message was received that was shorter than the expected length.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-E-HBTLOOPED HBT message mistakenly looped back on slot <*slot_id*>

Explanation:

Transmitted message looped back to source Control Module.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-E-NONBUF unable to get network transmit buffer

Explanation:

No transmit buffers are available.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-E-UNKNWNMSG unknown HBT message <*msg*>

Explanation:

An unknown message was received.

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-E-XMTQFULL unable to send frame xmit queue full

Explanation:

The Control Module is unable to send messages to other Control Module(s).

Recommended Action:

A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

15.4 FATAL ERRORS

%HBT-F-CREATEQ error creating <*q_id*> queue, error = <*error_id*>

Explanation:

This message appears when an internal error has occurred.

Recommended Action:

Reinstall the system software image. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-F-ETYPEREG error registering special ether type, error = <*error_id*>

Explanation:

This message appears when an internal error has occurred.

Recommended Action:

Reinstall the system software image. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-F-TIMER error creating <*timer_id*> timer, error = <*error_id*>

Explanation:

This message appears when an internal error has occurred.

Recommended Action:

Reinstall the system software image. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-F-TMRSTARTFAIL failed to start timer <*timer_id*>, error = <*error_id*>

Explanation:

This message appears when an internal error has occurred.

Recommended Action:

Reinstall the system software image. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-F-EVENTWAIT Event wait failed, error = <*error_id*>

Explanation:

This message appears when an internal error has occurred.

Recommended Action:

Reinstall the system software image. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-F-BADSYSID inconsistent system types <*sys_id*> and <*sys_id*>

Explanation:

The primary and backup Control Modules report different system IDs.

Recommended Action:

Replace the control module. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-F-MULTISECNDRY both <*cm_type*>(s) reverted to backup controller status

Explanation:

All Control Modules are configured as backup controllers.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%HBT-F-MULTIMASTERS both <*cm_type*>(s) attempting to be primary controllers

Explanation:

More than one Control Module is operating as the primary controller.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

16 IGMP MESSAGES

This chapter describes the messages for the Internet Group Membership Protocol (IGMP) facility.

16.1 INFORMATIONAL MESSAGES

%IGMP-I-SNOOP_STARTED Igmp L2 Snooping Started

Explanation:

This message is displayed when Layer 2 IGMP Snooping service is started.

Recommended Action:

None.

%IGMP-I-SNOOP_STOPPED Igmp L2 Snooping Stopped

Explanation:

This message is displayed when Layer 2 IGMP Snooping service is stopped.

Recommended Action:

None.

16.2 WARNING MESSAGES

%IGMP-W-MODIFYREPORT responsetime was bigger than queryinterval: modified to <*number*>

Explanation:

This message appears when the response time is set to a value larger than the query interval. If queryinterval is reduced, then responsetime time is automatically reduced.

Recommended Action:

Verify query interval value.

16.3 ERROR MESSAGES

%IGMP-E-ALLOWED_LIST Allowed igmp group list is already set

Explanation:

This message appears when the user attempts to set the NotAllowed igmp list while the Allowed IGMP list is specified.

Recommended Action:

Ensure that the NotAllowed IGMP list is specified, and try to set it again.

%IGMP-E-BADRESPTIME Bad response time <*number*>, must be less than <*number*>

Explanation:

This message appears when the response time entered is larger than the query interval.

Recommended Action:

Enter a response time that is less than the query interval.

%IGMP-E-DUPNAME <1> %s: duplicate address

Explanation:

This message is displayed when the interface name specified is already in use.

Recommended Action:

Verify interface name.

%IGMP-E-L3_ENABLED <1> Multicast Routing enabled on vlan %s

Explanation:

This message is displayed when an attempt is made to enable Layer 2 IGMP snooping on a VLAN which has Layer 3 Multicasting on the VLAN before enabling Layer 2 IGMP snooping.

Recommended Action:

Both Layer 3 Multicasting and Layer 2 IGMP snooping cannot be enabled on the same VLAN. Remove Layer 3 Multicasting on the VLAN before enabling Layer 2 IGMP snooping.

%IGMP-E-INV_VLAN <1> %s is not found

Explanation:

This message is displayed if an attempt is made to set parameters for VLAN based IGMP on an invalid VLAN.

Recommended Action:

Verify specified VLAN.

%IGMP-E-IP_VLAN <1> %s is not an IP vlan

Explanation:

This message is displayed if an attempt is made to set parameters for VLAN based IGMP on a non-IP VLAN.

Recommended Action:

Only specify an IP VLAN for VLAN based IGMP snooping.

%IGMP-E-IFNOTFOUND <*IP_interface/name*>: no such interface address

Explanation:

This error message will be displayed if the user specifies a non-existent interface or IP address for the specified interface.

Recommended Action:

Ensure that the specified interface or IP address exists and/or you have typed it correctly, then enter the command again.

%IGMP-E-L2_ENABLED <1> L2 IGMP Snooping enabled on vlan %s

Explanation:

This message is displayed when an attempt is made to enable Layer 3 Multicasting on a VLAN that has Layer 2 IGMP snooping already enable on it.

Recommended Action:

Both Layer 3 Multicasting and Layer 2 IGMP snooping cannot be enabled on the same VLAN. Remove Layer 2 IGMP snooping before enabling Layer 3 Multicasting.

%IGMP-E-NOTALLOWED_LIST NotAllowed igmp group list is already set

Explanation:

This message appears when the user attempts to set the Allowed igmp list while the NotAllowed IGMP list is specified.

Recommended Action:

Ensure that the Allowed IGMP list is specified, and try to set it again.

%IGMP-E-OVERLAP L2 IGMP %s Invalid Ports %s

Explanation:

This message is displayed if an attempt is made to set parameters for VLAN based IGMP snooping with a portlist that contains both permanent and filter ports.

Recommended Action:

Only specify either filter or permanent ports in the command for setting VLAN based IGMP snooping.

17 INTERFACE CONFIGURATION MESSAGES

This chapter describes the messages for the Interface Configuration facility.

17.1 INFORMATIONAL MESSAGES

%INTERFACE-I-CREATEDIF Interface <*interface_name*> was successfully created.

Explanation:

This message is displayed when an interface has been successfully created by the “interface create” command.

Recommended Action:

Informational Message. No action necessary.

%INTERFACE-I-REMOVEDIF Interface <*interface_name*> was successfully removed.

Explanation:

This message is displayed when the negation of an “interface create” command has completed successfully.

Recommended Action:

Informational Message. No action necessary.

%INTERFACE-I-REMOVINGIF Removing interface <*interface_name*>. Please wait.

Explanation:

This message is displayed when the user has negated an **`interface create`** command. This may take some time to complete. Upon completion, another message is displayed to let the user know that the negation has completed.

Recommended Action:

Informational Message. No action necessary.

%INTERFACE-I-WANFAIL Creating interface <*interface_name*> failed, starting clean-up.

Explanation:

This message is displayed when the user has attempted to create a WAN interface but the command was unsuccessful.

Recommended Action:

Informational Message. No action necessary.

%INTERFACE-I-WAN_PPP_BCAST_ASSUMED The interface <*interface_name*> was marked as Broadcast.

Explanation:

A broadcast 13 interface is created for this PPP port.

Recommended Action:

None.

17.2 WARNING MESSAGES

%INTERFACE-W-ZEROPORTSINIF The VLAN <*vlan-name*>, which is being bound to interface <*interface-name*>, has no ports in it.

Explanation:

There are no ports in the VLAN on which an interface is configured.

Recommended Action:

Make sure there is at least one port in the VLAN on which an interface is configured.

%INTERFACE-W-ATM_CREATE_FAILED Interface create failed on at <*address*>

Explanation:

This message is displayed when interface creation for ATM failed for the specified IP address.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%INTERFACE-W-WAN_CREATE_FAILED interface create failed

Explanation:

Can not create 13 interface on the WAN card port.

Recommended Action:

Check for additional error messages.

%INTERFACE-W-WAN_NEGATE_FAILED interface negation failed

Explanation:

Negation failed on the WAN card ports.

Recommended Action:

Check for additional error messages.

%INTERFACE-W-WAN_PPP_BCAST_IGNORED The interface <*interface_name*> was marked as Point-to-Point. The broadcast address specified was ignored.

Explanation:

The Broadcast address option for the **`interface create`** command was ignored since it is a Point-to-Point interface.

Recommended Action:

None.

%INTERFACE-W-WAN_VLAN_EXIST command for port %d %d %s failed since it is already on vlan %d

Explanation:

The **`vlan add port`** or **`interface create`** command failed because a VLAN is already assigned to the non-trunk WAN card PPP ports for Frame Relay VCS.

Recommended Action:

Make sure that the WAN card port is not another VLAN.

17.3 ERROR MESSAGES

%INTERFACE-E-ACLATTACHED An ACL is attached to this interface. Please detach ACL '<*ACL_name*>' from interface '<*interface_name*>' first.

Explanation:

This message is displayed when the user is trying to delete an interface which has an ACL bound to it.

Recommended Action:

Negate the ACL first, before negating the interface.

%INTERFACE-E-ADDR_IN_EXISTING_SUBNET The address <*address*> being configured on interface <*interface_name*> belongs to a subnet which has already been configured on interface <*interface-name*>.

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%INTERFACE-E-APS_PROTECTINGPORT Port <*port-name*> has been configured as an APS Protecting port.

Explanation:

This message is displayed when the port is already configured as a Protection port for APS.

Recommended Action:

Specify a non-protecting port or use the *vlan* option.

%INTERFACE-E-BADMTU The specified MTU - <*number*> - is too large. Please select a smaller value and try again.

Explanation:

The MTU value for this particular interface is too large.

Recommended Action:

Specify a smaller MTU value and try again.

%INTERFACE-E-BADPORT The specified port - port number <*number*> - is illegal. Please check the port name and try again.

Explanation:

This error message should not appear.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%INTERFACE-E-BADVLAN Only one vc can be applied to interface command. Please check the port name and try again.

Explanation:

This message is displayed when the user has specified a VC to be applied to an interface when a VC is already applied to the interface.

Recommended Action:

Verify the port name.

%INTERFACE-E-BADVC The specified VLAN -<*VLAN_name*> - does not exist. Please check the name of the VLAN and try again.

Explanation:

This message is displayed when the user has specified a VLAN that does not exist, in the **`interface create`** command.

Recommended Action:

Check the name of the VLAN to make sure that it is the name of an existing VLAN. If the VLAN to be used for this interface does not exist, first create the VLAN before creating an interface bound to the VLAN.

%INTERFACE-E-BADIFTYPE Interface <*interface_name*>: Point-to-Point interface type can only be specified for interfaces defined over PPP ports.

Explanation:

This message is displayed when the type of interface cannot be created on the specified ports.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%INTERFACE-E-BCAST0HOST Invalid IP address - address <*IP_address*> is a broadcast address.

Explanation:

This message is displayed when the user is trying to configure an interface with an address which is a broadcast address with zeroes for the “host” part of the address. This is not allowed.

Recommended Action:

Specify a unicast IP address when creating an interface or adding an IP address to it.

%INTERFACE-E-BCAST1HOST Invalid IP address - address <*IP_address*> is a broadcast address.

Explanation:

This message is displayed when the user is trying to configure an interface with an address which is a broadcast address with ones for the “host” part of the address. This is not allowed.

Recommended Action:

Specify a unicast IP address when creating an interface or adding an IP address to it.

%INTERFACE-E-CACHEATTACHED A web-cache is attached to this interface.

Explanation:

This message is displayed when the interface is web-cache-defined and cannot be removed without detaching the web-cache first.

Recommended Action:

Detach the web-cache defined on the interface before removing the interface itself.

%INTERFACE-E-CANNOTBRINGUP Interface <*interface_name*> has not been configured with any IP or IPX addresses. Please configure it before bringing it up.

Explanation:

This message is displayed when the user is trying to bring an interface up using the **`interface up`** command, but the interface has not been configured with an IP address.

Recommended Action:

Configure the interface before bringing it up.

%INTERFACE-E-CANNOTNEGATE Interface <*interface_name*> cannot be negated because addresses have been configured for it using "interface add" commands. Please negate the appropriate "interface add" commands before negating the "interface create" command.

Explanation:

This message is displayed when the user is trying to negate an interface to which IP addresses have been added using the **`interface add ip`** command.

Recommended Action:

The **`interface add ip`** commands must be negated before the **`interface create`** command can be negated.

%INTERFACE-E-CANTCREATEIF Unknown error creating interface <*interface_name*>!

Explanation:

This message is displayed when an internal error occurred while creating an interface.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%INTERFACE-E-CMD <*command_name*> expected an argument, didn't get one

Explanation:

This message is displayed when <command_name> expected an argument, but didn't get one.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%INTERFACE-E-DIFFSUBNET local address (<*IP_address*>) and peer address (<*IP_address*>) are not on the same subnet.

Explanation:

This message is displayed when the local address and the remote (peer) address of a WAN IP interface do not belong to the same subnet.

Recommended Action:

Ensure that both the local and peer IP addresses belong to the same subnet.

%INTERFACE-E-EXISTS Interface <*interface_name*> has already been created. Please use another name for the interface.

Explanation:

This message is displayed when the user is attempting to create an interface with a name which is already being used by another interface.

Recommended Action:

Use another name for the interface being created.

%INTERFACE-E-IFNONE No IP interfaces found.

Explanation:

This message is displayed when the user is trying to display information for all interfaces of a particular type, but no interfaces matching the request were found.

Recommended Action:

None.

%INTERFACE-E-IFNOTIP An IP address cannot be configured on interface <*interface_name*> because the interface does not support IP.

Explanation:

This message is displayed when the user is attempting to configure an IP (IPX) address on an interface that does not support IP (IPX).

Recommended Action:

Create another interface that supports the required protocol and then configure it with the address.

%INTERFACE-E-IFVLANEXISTS There is already an <*interface_type*> interface called <*interface_name*> on VLAN <*VLAN_name*>. A VLAN can be bound to only one L3 interface for each protocol.

Explanation:

This message is displayed when the user attempts to create an IP/IPX interface on a VLAN that already has an IP/IPX interface association. As the message text states, only one L3 interface can be associated with a VLAN for each type of protocol.

Recommended Action:

Specify a different interface type/name for the given VLAN.

%INTERFACE-E-INVALIDATES_EXISTING_ADDR An existing address <*address*> on interface <*interface_name*> matches the subnet of the address-netmask (%s/%s) of the interface <*interface_name*> being created.

Explanation:

This message is displayed when the software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%INTERFACE-E-INVALIDIFNAME The name <*interface_name*> is not allowed for interfaces. Please use another name.

Explanation:

This message is displayed when the user attempts to create an interface with an invalid name. The interface names “en”, “lo”, “en0”, and “lo0” are reserved names.

Recommended Action:

Choose a correct interface name.

%INTERFACE-E- INVALIDNETMASK The netmask <*netmask*> is an invalid netmask.

Explanation:

This message is displayed when the subnet mask entered for the interface is invalid.

Recommended Action:

Make sure the subnet mask is valid.

%INTERFACE-E-IPADDREXISTS The IP address <*IP_address*> is already configured on interface <*interface_name*>.

Explanation:

This message is displayed when the user is trying to configure the same address twice on the system. This is not allowed.

Recommended Action:

Remove the command which generated this error from the configuration.

%INTERFACE-E-IPREDATTACHED Attempting to config IP address <*IP_address*> which is currently in use by a virtual-router on interface <*interface_name*>.

Explanation:

This message is displayed when the user attempts to add or remove an IP address to or from an interface that is currently serving as part of a VRRP virtual router. Executing this command would leave the router in an "inconsistent" state.

Recommended Action:

Remove the IP address from the VRRP router and then add or remove the IP address as before.

%INTERFACE-E-MACADDRNOTALLOWED Mac address option is not allowed for WAN card.

Explanation:

The MAC address option is not allowed for WAN cart ports.

Recommended Action:

None.

%INTERFACE-E-MACCONFLICT The MAC address <*MAC_address*> conflicts with another MAC address <*MAC-address*> being used on this port. Only one MAC address can be configured per port, per protocol.

Explanation:

This message is displayed when the user attempts to specify a MAC address that is different from the MAC address already associated with the given port for the IP/IPX interface being created. As the message text states, only one MAC address may be specified per port for each type of protocol.

Recommended Action:

No action necessary. The new MAC address has not been assigned.

%INTERFACE-E-MISSINGPORTVLANOPTIONS You must supply either the port or the vlan to be used with this interface.

Explanation:

This message is displayed when the user creates an interface and fails to add a vlan or port to the interface.

Recommended Action:

Specify a port or vlan to be added to the interface.

%INTERFACE-E-NAME <*string*> is not a valid host or network address

Explanation:

This message is displayed when a user supplies an invalid host or network address.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%INTERFACE-E-NAMETOOLONG The interface name <*interface_name*> is too long. The name cannot be longer than 32 characters.

Explanation:

This message is displayed when the user has entered a name for an IP/IPX interface which is too long.

Recommended Action:

Use a shorter name. The maximum allowed length is displayed in the error message.

%INTERFACE-E- NATATTACHED An NAT is attached to this interface.

Explanation:

This message is displayed when the interface is NAT-defined and cannot be removed without detaching NAT first.

Recommended Action:

Detach the NAT definition on the interface first before removing the interface itself.

%INTERFACE-E-NOEXIST Interface <*interface_name*> does not exist. Please check the name and try again.

Explanation:

This message is displayed when a command refers to an interface which does not exist. Usually, this occurs if the interface name is typed in incorrectly.

Recommended Action:

Check the name of the interface in the command that failed, and make sure that it matches the name of an interface that has already been created.

%INTERFACE-E-NOMAC The MAC address <*MAC_address*> is being used by the en0 10base-T interface on the CPU module and is reserved. Please use another MAC address.

Explanation:

The specified MAC address is reserved for use with the CPU module.

Recommended Action:

Specify another MAC address for your interface.

%INTERFACE-E-NOMLTPL Interface <*interface_name*> cannot support secondary address due to old line card

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%INTERFACE-E-NOPEERADDR Interface <*interface_name*> is configured as a Broadcast interface.

Explanation:

This message is displayed when the interface is configured as a broadcast interface and no peer address is given.

Recommended Action:

Make sure that there is a peer address specified with the interface when the Broadcast type is configured.

%INTERFACE-E-NOSUCHIF Interface <*interface_name*> was not found or is not configured with any 'IP' addresses.

Explanation:

This message is displayed when the user is trying to show information about an interface that does not exist, or is not configured with the protocols of interest to the user.

Recommended Action:

Check the name of the interface.

%INTERFACE-E-NOSUCHPORT Port doesn't exist on this system.

Explanation:

This message occurs when a port is not found by the system even though the module exists.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%INTERFACE-E-OMACMISMATCH The interface <*interface_name*> is also using VLAN <*vlan_name*>. When two interfaces use the same VLAN, they must use the same output MAC encapsulation. Please change the output MAC encapsulation or use another VLAN.

Explanation:

See message text.

Recommended Action:

See message text.

%INTERFACE-E-POLICYATTACHED A Policy is attached to this interface. Please detach policy '<*policy-name*>' from interface '<*interface_name*> ' first.

Explanation:

This message is displayed when the interface is Policy-defined and cannot be removed without detaching the Policy first.

Recommended Action:

Detach the Policy defined on the interface before removing the interface itself.

%INTERFACE-E-PORTHASVLAN Port <*port_number*> already belongs to VLAN <*vlan_name*>. Please use the -vlan- option of the -interface create- command instead of the -port- option.

Explanation:

When an interface is created using the **`interface create... port`** <*portname*> command, a VLAN is created for the interface and the port is added to the VLAN. If the port is an access port and is already on a VLAN for the type of interface being created (IP/IPX), then it cannot be added to another VLAN.

Recommended Action:

Use the **`interface create... vlan`** <*vlanname*> version of the command to bind the interface to the VLAN which contains the desired port.

%INTERFACE-E-PORTINVLAN Only ports belonging to the default vlan can be added to a SmartTRUNK.

Explanation:

This error message is displayed when the user attempts to add a port to a SmartTRUNK that already belongs to a VLAN other than the default VLAN.

Recommended Action:

Remove the port from any other VLANs (except the default VLAN) by negating any existing **`vlan add ports`** commands relating to the port in question. Then add the port to the desired SmartTRUNK.

%INTERFACE-E-PPPADDNOTSUPP Interface <*interface-name*> is already configured as a Point-To-Point interface.

Explanation:

Adding an address to a Point-to-Point interface is not supported.

Recommended Action:

Create a broadcast interface if multiple interfaces are needed.

%INTERFACE-E-PPPIFPORTSEXCD Point-to-Point interface %s cannot have more than 1 port specified (%d%s, %d%s)

Explanation:

A Point-to-Point interface can not have more than one port.

Recommended Action:

Use the **`interface create`** command on a single port. Or ensure that only one port is in the VLAN when using the **`interface create`** command on a VLAN.

%INTERFACE-E-PROTNOTSUPP VLAN <*vlan_name*> does not support the IP protocol. Please check the VLAN name and try again.

Explanation:

This message is displayed when the user is trying to create an interface bound to a VLAN which does not support the protocol of the interface (IP/IPX).

Recommended Action:

Create a VLAN which supports the desired protocol before creating an interface for that protocol.

%INTERFACE-E-QOSATTACHED A QOS flow definition is attached to interface <*interface_name*>. Please negate the QOS commands applied to this interface.

Explanation:

Before negating (deleting) an interface, QOS flows associated with the interface must be negated.

Recommended Action:

Locate and negate (delete) all CLI commands associating QOS flows with the interface you wish to negate, then negate the interface.

%INTERFACE-E-RLATTACHED A Rate Limit policy is attached to this interface.

Explanation:

This message is displayed when the interface is Rate-Limit-defined and cannot be removed without detaching the Rate-Limit first.

Recommended Action:

Detach the Rate-Limit defined on the interface before removing the interface itself.

%INTERFACE-E-RESERVEDIF Interface lo0 is a reserved interface and cannot be created. However, you can add addresses to the interface using the _interface add_ command.

Explanation:

The interfaces lo0 (loopback) and en0 (management port on the CPU module) are automatically created by the system. They cannot be created by the user. However, the user can add addresses to these interfaces.

Recommended Action:

Remove the command which generated the message from the configuration. Use the **interface add ip** command to add an IP address to the interface, if desired.

%INTERFACE-E-SAMEADDR local address <*address*> and peer address <*address*> are the same.

Explanation:

This message is displayed when the peer address given matches the local address.

Recommended Action:

Make sure that the peer address you are trying to configure is different from the local address.

%INTERFACE-E-SAMEENCAP The encapsulation entered is already being used on another network attached to this interface.

Explanation:

This message is displayed when the encapsulation entered is already being used by another network attached in the same interface.

Recommended Action:

Make sure no two networks on the same interface have the same encapsulation.

%INTERFACE-E-STNOTFOUND SmartTRUNK st.<*number*> not found.

Explanation:

This message occurs when the user attempts to add an interface to a SmartTRUNK and the SmartTRUNK does not exist.

Recommended Action:

Verify the SmartTRUNK exists.

%INTERFACE-E-SUBNETEXISTS The address <*IP_address*> belongs to a subnet which is already configured on this system.

Explanation:

The user is trying to create an interface on a subnet which is already configured on another interface on the same device.

Recommended Action:

Remove the command that generated the error message from the configuration.

%INTERFACE-E-VLANIFTYPENOTSUPP Interface <*interface_name*>: Point-to-Point interface type cannot be specified along with the VLAN option.

Explanation:

This message is displayed when a Point-to-Point interface type is selected with a VLAN option.

Recommended Action:

Use the port option with the **`interface create`** command instead of the vlan option.

%INTERFACE-E-ZEROPORTSINIF Interface <*interface_name*> is not associated with any ports

Explanation:

This message is displayed when three are no ports associated with the configured interface.

Recommended Action:

Make sure there is at least one port associated with the configured interface.

18 IPC (WAN) MESSAGES

This chapter describes the messages for the IPC facility used by the WAN software.

18.1 WARNING MESSAGES

%IPC-I-MODFAIL Remote module <*number*> failed (<*n*> times)... attempting hotswap

Explanation:

This message is displayed when the router detects a failure with a WAN module and attempts to restart it via hotswap.

Recommended Action:

If necessary, contact RTAC and furnish them with the crash dump of the WAN image. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

Note The first three times the router detects a failure with a WAN module, it will attempt to automatically restart via hotswap. After the third time, you must manually conduct a hotswap to attempt resuming contact with the failed WAN module.

18.2 ERROR MESSAGES

%IPC-E-EEPTFAIL Failed to modify extended exit port

Explanation:

This is an internal error. This may affect the functionality of the system.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPC-E-FWDRCVFAIL IPC receive failed in the forward task - <*message*>

Explanation:

This is an internal error. This may affect the functionality of the system.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPC-E-IPCSYNC IPC sync. with WAN image failed on module <*number*>

Explanation:

This error message is displayed when the router fails to establish communication with a particular WAN module.

Recommended Action:

Try to re-establish contact with the WAN module using the following solutions (in order):

1. Try hotswapping the WAN module to resume communication.
2. Reboot the router in an attempt to re-establish a good communication link with the WAN module.
3. Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPC-E-MALLOCFAIL Failed to allocate memory for <*message*>

Explanation:

This message is displayed when the GSR is not able to allocate memory. The reason could be that the system does not have enough memory to support the configuration. (For example, the number of interfaces configured.)

Recommended Action:

Try removing some configuration entries (delete some interfaces). If the problem persists contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPC-E-MODFAIL Too many remote module <*number*> failures (<*n*> times)

Explanation:

This error message is displayed when the router detects a failure with a particular WAN module more than three times.

Recommended Action:

Try hotswapping the WAN module to resume communication. If that does not solve the problem, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPC-E-SENDFAIL Failed to send msg with error <*number*>

Explanation:

This is an internal error. This may affect the functionality of the system.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

19 IP HELPER AND BOOTP RELAY AGENT MESSAGES

This chapter describes the messages for the IP Helper and BOOTP/DHCP Relay Agent facility.

19.1 INFORMATIONAL MESSAGES

%IPHELPER-I-FWD Packet forwarded <*IP address*> to <*interface*>

Explanation:

The router forwarded a packet that arrived with the displayed IP address and UDP port number, to the interface with the displayed unicast IP address.

Recommended Action:

No action is necessary.

%IPHELPER-I-FWD_IF Packet forwarded <*IP address*> to <*addresses*> (ifaddr <*address*>)

Explanation:

The router forwarded a packet that arrived with the displayed IP address and UDP port number, to the interface with the displayed broadcast and unicast IP addresses.

Recommended Action:

No action is necessary.

%IPHELPER-I-TTLEXP TTL expired; packet from <*IP address*> not forwarded

Explanation:

The router dropped the packet with the displayed IP address and UDP port number due to its TTL expiration.

Recommended Action:

No action is necessary.

%RELAY-I-BOOTREQUEST Forwarded BOOTREQUEST for <*host*> to <*interface*>

Explanation:

The router forwarded a BOOTREQUEST from the client with the displayed MAC address to the displayed IP address.

Recommended Action:

No action is necessary.

%RELAY-I-BOOTREPLY Forwarded BOOTREPLY for <*host*> to <*interface*>

Explanation:

The router forwarded a BOOTREPLY from a BOOTP server to the client with the displayed IP and MAC address.

Recommended Action:

No action is necessary.

%RELAY-I-GIADDR BOOTP reply with unknown giaddr <*address*>

Explanation:

The router dropped a BOOTREPLY packet with the displayed giaddr IP address because it does not match any of the interfaces on the router.

Recommended Action:

No action is necessary.

%RELAY-I-NOHELPER BOOTP packet received on <*interface*> with no IP helper configured

Explanation:

The router received a BOOTP/DHCP packet on an interface but no IP helper address is configured for that interface. As a result, the broadcast BOOTP/DHCP packet will not be forwarded by the router.

Recommended Action:

No action is necessary if you don't want the Relay Agent to forward BOOTP/DHCP broadcast packets to an IP helper address. If you want the packet to be forwarded, then you need to configure an IP helper address for that interface.

%RELAY-I-NOFORWARD BOOTP/DHCP forwarding not allowed on <*interface*>

Explanation:

The router received a BOOTP/DHCP packet on an interface where an IP helper address is configured but it's not for BOOTP/DHCP packets. The helper address is configured to forward UDP broadcast packets of a service other than BOOTP/DHCP.

Recommended Action:

No action is necessary if you don't want the Relay Agent to forward BOOTP/DHCP broadcast packets to an IP helper address. If you want the packet to be forwarded, then you need to configure an IP helper address for that interface.

%RELAY-I-PACKET BOOTP <?> (<?>) received at interface <*interface*>

Explanation:

The router received a BOOTP request or reply packet. The packet's giaddr IP address, whether it is a request or reply and whether it is a broadcast or unicast packet, is displayed.

Recommended Action:

No action is necessary.

19.2 ERROR MESSAGES

%IPHELPER-E-DUPHELPER Duplicate helper address <*IP-address*>

Explanation:

This error message appears when the user attempts to assign a helper address to an interface with which the same helper address has already been assigned.

Recommended Action:

Assign a different helper address to the interface.

%IPHELPER-E-NOSUCHIF No such interface: <*interface_name*>

Explanation:

This error message appears when the user specifies a helper address for a nonexistent interface.

Recommended Action:

Specify a helper address on an existing interface.

20 IP POLICY MESSAGES

This chapter describes the messages for the IP policy facility.

20.1 INFORMATIONAL MESSAGES

%PBR-I-CREATED Policy <*name*> has been successfully created for ACL(s) <*acl list*>

Explanation:

The IP policy has been created for the specified ACL(s).

Recommended Action:

Informational message. No action necessary.

%PBR-I-DELETED Policy <*name*> has been successfully deleted for ACL(s) <*acl list*>

Explanation:

The IP policy has been deleted for the specified ACL(s).

Recommended Action:

Informational message. No action necessary.

%PBR-I-INTERFACE Policy <*name*> has been successfully attached to/attached from <*interface*> interface

Explanation:

The IP policy has been applied to the specified interface.

Recommended Action:

Informational message. No action necessary.

%PBR-I-NOALL No policy applied to all IP interfaces

Explanation:

There is no policy that is applied to all IP interfaces.

Recommended Action:

Informational message. No action necessary.

%PBR-I-PINGER_ADD Adding addresses for policy <*name*> to pinger <*string*>

Explanation:

Pinger has been enabled for this policy.

Recommended Action:

Informational message. No action necessary.

20.2 ERROR MESSAGES

%PBR-E-ACLEXISTS Profile <*acl*> already exists in policy <*name*>

Explanation:

The specified ACL is already part of this policy. Multiple instances of the same ACL are not allowed.

Recommended Action:

Check the ACL name.

%PBR-E-ACLNOTFOUND Rule <*acl*> not present

Explanation:

The specified ACL is not found.

Recommended Action:

Check the ACL name and make sure it exists.

%PBR-E-APPLIED Policy has other commands attached -- negate these commands first

Explanation:

The policy that is being negated has other commands applied to it. This policy cannot be deleted before the other applied commands.

Recommended Action:

Negate the other commands that are applied to this policy before deleting this policy.

%PBR-E-INVLD_IPADDR Invalid IP address <*address*> specified

Explanation:

The IP address specified is invalid.

Recommended Action:

Specify a valid IP address.

%PBR-E-IPONLY Policy can be applied to IP ACLs only -- ignoring <*acl*>

Explanation:

Only IP ACLs can be specified for the policy.

Recommended Action:

Specify an IP ACL.

%PBR-E-NOMEM Processing error -- out of memory <*string*>

Explanation:

The system is out of memory.

Recommended Action:

Expand existing memory and try again. If the problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PBR-E-NONIPIF Cannot apply policy to non IP interface <*name*>

Explanation:

The interface to which the policy is being applied is a non-IP interface.

Recommended Action:

Apply the policy to an IP interface.

%PBR-E-NOPOLICY: No Policy applied to interface %s

Explanation:

There is no policy applied to the interface

Recommended Action:

Use the correct interface name.

%PBR-E-NOSUCHIF Interface <*name*> does not exist

Explanation:

The specified interface does not exist.

Recommended Action:

Check the interface name and make sure it exists.

%PBR-E-NOSUCHRULE Could not find policy <*name*>

Explanation:

The specified policy name does not exist.

Recommended Action:

Make sure that the policy name is valid.

%PBR-E-POLICYEXISTS: Load Policy for %s already set to %s --- negate previous policy

Explanation:

Cannot change the load policy of a policy without negating the policy

Recommended Action:

Negate the policy and re-apply with the new load policy

%PBR-E-TOOMANY Maximum of <*number*> next-hops can be specified

Explanation:

Too many next hops are specified.

Recommended Action:

A maximum of four next hops can be specified in a single instance of the next hop list. Make sure that four or fewer next hops are specified.

%PBR-E-TOOMANYACLS Maximum of <*number*> ACLs can be specified

Explanation:

Too many ACLs are specified.

Recommended Action:

A maximum of 20 ACLs can be specified in a single policy statement. Make sure that less than 20 ACLs are specified.

21 IP REDUNDANCY (VRRP) MESSAGES

This chapter describes the messages for the IP Redundancy (VRRP) facility.

21.1 INFORMATIONAL MESSAGES

%IPRED-I-CONFIGUPDATE updated config for virtual router <*id_number*> on interface <*interface_name*>

Explanation:

This message appears when the Virtual Router configuration on an interface has changed.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-STATE <*event*>, <*old_state*>-><*new_state*>, I/F <*Interface name*>, vid <*router ID*>

Explanation:

This message appears for the following events: Startup (Startup), Shutdwn (Shutdown), Adv Tmr (Advertise Timer), Mas Dwn (Master down timer), Rcv ZPP (Received zero priority packet), Rcv EPP (Received equal priority packet), Rcv HPP (Received higher priority packet), Rcv LPP (Received lower priority packet), and Int Dwn (Interface Down). Old_state/new_state can be M (Master), B (Backup), or I (Initialize).

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_CREATED successful creation of virtual-router <*id_number*> on interface <*interface_name*>

Explanation:

This message appears when a Virtual Router has been successfully added on an interface.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_IPADDED added IP address <*IP_address*> to virtual-router <*id_number*> on interface <*interface_name*>

Explanation:

This message appears when an IP address has been added to a Virtual Router defined on an interface.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_IPREMOVED removed IP address <*IP_address*> from virtual-router <*id_number*> on interface <*interface_name*>

Explanation:

This message appears when an IP address has been removed from a Virtual Router defined on an interface.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_REMOVE_REQ initiated deletion of virtual-router <*id_number*> on interface <*interface_name*>

Explanation:

This message appears when a Virtual Router is being deleted from an interface.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_REMOVE_DONE successful shutdown and deletion of virtual-router <*id_number*> on interface <*interface_name*>

Explanation:

This message appears when deletion of a Virtual Router from an interface has succeeded.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_STARTED started virtual-router <*id_number*> on interface <*interface_name*>

Explanation:

This message appears when a Virtual Router has been initialized on an interface.

Recommended Action:

Informational Message. No action necessary.

%IPRED-I-VR_STOPPED stopped virtual-router <*id_number*> on interface <*interface_name*>

Explanation:

This message appears when a Virtual Router has been halted on an interface.

Recommended Action:

Informational Message. No action necessary.

21.2 WARNING MESSAGES

%IPRED-W-INVALID_EVENT received invalid event (VRRP state=<*state name*> event=<*event name*> interface=<*name*> vrId=<*ID number*> code=<*ID*>)

Explanation:

This message appears when a Virtual Router receives one of the following unrecognized events: Startup (Startup), Shutdwn (Shutdown), Adv Tmr (Advertise Timer), Mas Dwn (Master down timer), Rcv ZPP (Received zero priority packet), Rcv EPP (Received equal priority packet), Rcv HPP (Received higher priority packet), Rcv LPP (Received lower priority packet), and Int Dwn (Interface Down). State can be M (Master), B (Backup), or I (Initialize).

Recommended Action:

No action is necessary.

%IPRED-W-MSG_RX IPRED queue received unrecognized message <*ID*>

Explanation:

This message appears when receiving an unrecognized message from the IP RED task queue.

Recommended Action:

No action is necessary.

%IPRED-W-MSG_TX send message to IPRED queue failed (<*function name*> - <*ID*>)

Explanation:

This message appears when the sending of a message to the IP RED task queue fails.

Recommended Action:

No action is necessary.

%IPRED-W-TMR_MISSING timer expired - info not found (<*name*> - <*ID*>)

Explanation:

This message is usually displayed when a VRRP state transitions and can be ignored. However, if it's displayed repeatedly, follow the recommended action below.

Recommended Action:

Stop the currently configured VRRP Virtual Routers (negate the **`vrrp start`** CLI commands), and then re-start them.

21.3 ERROR MESSAGES

%IPRED-E-ADDRMASK invalid subnet (interface <*interface_name*>, virtual-router <*id_number*>)

Explanation:

This error message appears when the mask given to an IP address associated with a Virtual Router is invalid.

Recommended Action:

Correct the network mask and re-execute the CLI command.

%IPRED-E-AUTHKEY a key is required for the type of authorization selected (interface <*interface_name*>; virtual-router <*id_number*>)

Explanation:

This error message appears when a Virtual Router has been configured to one of several authorization types that require a key. However, the “key” parameter/option is missing.

Recommended Action:

Ensure that you have properly configured a “key” for the Virtual Router referred to in the error message.

%IPRED-E-BAD_AF interface <*interface_name*> is not an IP interface

Explanation:

The message appears when the interface added to a Virtual Router is not an IP interface.

Recommended Action:

Verify interface is an IP interface.

%IPRED-E-CONFIGCMD remove config parameters currently applied to virtual-router <*id_number*> on interface <*interface_name*>

Explanation:

This message appears when the user attempts to remove a Virtual Router from the system. However, CLI commands referring to (or dependent upon) the existence of the Virtual Router in question still exist.

Recommended Action:

Remove all CLI commands that refer to this Virtual Router.

%IPRED-E-DUPL_CFG <*parameter name*> parameter already configured - ignoring (interface <*interface_name*>; virtual-router <*id_number*>)

Explanation:

This message appears when the same parameter is configured more than once with conflicting values.

Recommended Action:

Be sure to remove any extra configuration CLI commands.

%IPRED-E-DUPLICATE virtual-router <*id_number*> already exists on interface <*interface_name*>

Explanation:

This message appears when a Virtual Router has been applied to an interface and a Virtual Router already exists on the specified interface.

Recommended Action:

Verify the Virtual Router configuration.

%IPRED-E-EN0 en0 is not a valid interface

Explanation:

This message appears when en0 is added to a Virtual Router. en0 is not a valid interface.

Recommended Action:

Do not specify en0 as a Virtual Router interface.

%IPRED-E-IF_MISMATCH IP address <*IP_address*> is currently in use by interface <*interface_name*>

Explanation:

This message appears when an address is associated with a Virtual Router. However, the IP address is currently in use on the router on a different interface from the one where the Virtual Router has been configured.

Recommended Action:

Verify that the Virtual Router configuration is correct.

%IPRED-E-KEYLEN invalid key length (<*number*>). Maximum length = 8 characters (interface <*interface_name*>; virtual-router <*id_number*>)

Explanation:

This message appears when the user attempts to configure an authorization key with an illegal length.

Recommended Action:

Redefine the length of the authorization key, ensuring that the value is within the guideline specified in the error message text.

%IPRED-E-MANY_IPADDRS remove associated IP addresses before removing virtual-router <*id_number*> on interface <*interface_name*>

Explanation:

This error message appears when the user attempts to remove a Virtual Router from the system that still has IP addresses associated with it.

Recommended Action:

Be sure to remove all of the associated IP addresses before removing the Virtual Router.

%IPRED-E-MISCONFIG at least 1 option to configure is required

Explanation:

This error message appears when the user attempts to select a Virtual Router to which a number of options are to be applied. However, at this time, no options are defined for the Virtual Router.

Recommended Action:

Verify the Virtual Router configuration.

%IPRED-E-NETMASK invalid netmask (interface <*interface_name*>, virtual-router <*id_number*>)

Explanation:

This error message appears when the mask given to an IP address associated with a Virtual Router is invalid.

Recommended Action:

Correct the network mask and re-execute the CLI command.

%IPRED-E-NOADDRS at least 1 associated IP address is required (interface <*interface_name*>; virtual-router <*id_number*>)

Explanation:

This error message appears when the user attempts to start a Virtual Router without having first associated an IP address with the Virtual Router.

Recommended Action:

Be sure to associate an IP address with the Virtual Router before attempting to restart it.

%IPRED-E-NO_MCAST interface <*name*> does not support IP multicasts

Explanation:

This error message appears when the user attempts to create a Virtual Router on an interface that does not support multicast IP addresses.

Recommended Action:

Select a valid interface for the Virtual Router.

%IPRED-E-NOSUCHIF invalid interface <*interface_name*>

Explanation:

This message appears when an invalid interface has been added to a Virtual Router.

Recommended Action:

Verify the interface is valid.

%IPRED-E-NOSUCHIP IP address not found (interface <*interface_name*>; virtual-router <*id_number*>)

Explanation:

This message appears when an invalid IP address has been added to a Virtual Router.

Recommended Action:

Verify the IP address is valid.

%IPRED-E-NOSUCHVR virtual router <*id_number*> not found on interface <*interface_name*>

Explanation:

This message appears when the user attempts to configure an option for a Virtual Router that has not yet been created.

Recommended Action:

Configure a Virtual Router before attempting to assign any options to it.

%IPRED-E-OWNER virtual-router <*id_number*> on interface <*interface_name*> has to be the address owner of ALL or NONE of the associated IP addresses. The following IP addresses cause a conflict: <*IP address*>

Explanation:

This message appears when multiple IP addresses have been associated with a Virtual Router.

Recommended Action:

Remove the IP address that causes a conflict.

Note The IP addresses assigned to a Virtual Router must either all match the IP addresses of the interface where the Virtual Router has been configured, or must all be different from the interface IP address.

%IPRED-E-PRIORITY invalid priority assigned to virtual-router <*id_number*> on interface <*interface_name*> <*explanation*>

Explanation:

This message appears when a Virtual Router priority has been configured incorrectly.

Recommended Action:

Reconfigure the priority as stated in the “explanation” portion of the message text.

%IPRED-E-RXD_VRRP_PKT <*explanation*>

Explanation:

This message appears when a VRRP packet with conflicting information is received.

Recommended Action:

The “explanation” portion of the message text describes what portion of the received packet is incorrect. It may also display the IP address of the router responsible for generating the invalid/conflicting VRRP packets. Ensure that the local and remote routers both have an identical configuration for the Virtual Router.

%IPRED-E-STARTCMD remove 'start' command currently applied to virtual-router *<id_number>* on interface *<interface_name>*

Explanation:

This message appears when the user attempts to remove a Virtual Router. However, a CLI **`start`** command referring to the Virtual Router about to be removed still exists.

Recommended Action:

Be sure to remove the CLI **`start`** command in question before removing the Virtual Router.

%IPRED-E-SEND_VRRP detected interface down

Explanation:

This message appears when the router attempts to transmit a VRRP packet on an interface which is not currently “up”.

Recommended Action:

Verify that the interface is “up” before attempting to resend the VRRP packet.

%IPRED-E-IOCTL, ioctl operation failed (IPRED_PollInterfaces)

Explanation

This is an internal error.

Recommended Action

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

22 IP STACK MESSAGES

This chapter describes the messages for the IP Stack facility.

22.1 INFORMATIONAL MESSAGES

%IP-I-ARPNOTFOUND No matching ARP entry found

Explanation:

This message is displayed when the user is trying to delete an entry which does not exist.

Recommended Action:

Informational Message. No action necessary.

%IP-I-ARPOVRWRITE arp info overwritten for <*IP_address*> by *(MAC_address)*

Explanation:

An ARP entry was updated as a result of receiving an ARP message with information different from the information contained in the entry. This can happen if a connected device is rebooted with a different Ethernet adapter.

Recommended Action:

Informational Message. No action necessary.

%IP-I-IPSTATCLEAR IP statistics cleared

Explanation:

This message is displayed after IP statistics are cleared.

Recommended Action:

This message is informational only. No action is necessary.

%IP-I-REPUNRESOLVE Replacing unresolved arp for <*IP_address*> with <*MAC_address*>

Explanation:

This message is displayed when a previously unresolved ARP for a given IP address is updated as a result of a user-defined static ARP entry.

Recommended Action:

Informational Message. No action is necessary.

%IP-I-ROUTEADDED <3> Route to %s %s via gateway %s was successfully added

Explanation:

This message indicates that a route entry was added.

Recommended Action:

This message is informational only. No action is necessary.

%IP-I-ROUTEDELETED <3> Route to %s %s via gateway %s was successfully deleted

Explanation:

This message indicates that a route entry was deleted.

Recommended Action:

This message is informational only. No action is necessary.

%IP-I-RTQREALLYOLD in_rtqtimo: adjusted rtq_reallyold to <*number*>

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

22.2 WARNING MESSAGES

%IP-W-ARPEXCEEDED The maximum number of ARPs (<*number*>) was exceeded - no ARP entry created.

Explanation:

This message is displayed when the maximum number of ARP packets has been sent with no response.

Recommended Action:

Verify connectivity to the device which ARP packets are being sent.

%IP-W-BADBCAST arp: ether address is broadcast for IP address <*IP_address*>!

Explanation:

This message is displayed when an ARP packet with a broadcast source Ethernet address was received.

Recommended Action:

There may be a device on the network which is misconfigured or behaving erratically.

%IP-W-DUPLIP duplicate IP address <*IP-address*> sent from ethernet address: <*MAC-address*>

Explanation:

This message is displayed when an ARP packet was received from another device that has been configured with the same IP address as the router. This is a misconfiguration of the network.

Recommended Action:

Change the IP address on the router or the other device. The other device can be identified by the MAC address displayed in the message.

%IP-W-RTQKILL1

Explanation:

This message indicates that the software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

22.3 ERROR MESSAGES

%IP-E-ARPLKUP arplookup <*IP_address*> failed: <*error-number*>

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-BADANNOT rn_delete: inconsistent annotation

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-CLRTEGFAIL NUE_Set_Flag failed

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-CNTRLTMRFAIL NU_Control_Timer failed for %s

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-GTWY arp_rtrequest: bad gateway value

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-LLINFO arpresolve: can't allocate llinfo

Explanation:

This message is displayed when the system is out of memory.

Recommended Action:

Reboot the device.

%IP-E-MASKDUP rn_addmask: mask impossibly already in tree

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-MAXKEYLEN rn_init: radix functions require max_keylen be sent

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-NOANNOT rn_delete: couldn’t find our annotation

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-NOCHANNUM Invalid channel number -- <*number*>

Explanation:

This message is displayed when the user specifies a valid channel number that is currently inactive.

Recommended Action:

Specify an active channel. If you need quick help determining which channels are available, you can enter the system show hardware CLI command to display your current hardware configuration.

%IP-E-NATCFG <3> Port %s cannot be set to destination based routing with interface %s set as NAT %s

Explanation:

NAT cannot work for an interface if that port is in destination based routing.

Recommended Action:

Make sure that the port on which NAT support is needed is not in destination based routing mode.

%IP-E-NATHSTMODECFG <3> Port %s cannot be set to host blow based routing with interface %s set as NAT %s

Explanation:

NAT cannot work for an interface if that port is in host flow based routing.

Recommended Action:

Make sure that the port on which NAT support is needed is not in host flow based routing mode.

%IP-E-NOIPADDRCFG No IP Interface configured for port %s

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-NOMASK rn_new_radix_mask: Mask for route not entered

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-NOMEM arp_rtrequest: memory request failed

Explanation:

This message is displayed when the system is out of memory.

Recommended Action:

Reboot the device.

%IP-E-NONODE rn_delete: couldn’t find us

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-NOTEN0 A default route cannot be set with a gateway reachable via en0

Explanation:

This message is displayed when the user is trying to add a default route such that packets that match the default route will be sent on the en0 interface. This is not allowed because the en0 interface is reserved for management purposes.

Recommended Action:

Do not specify en0 as the gateway interface. Do not use a device which is connected to en0 as a gateway.

%IP-E-NONUNIQRT rn_addroute: Non-unique normal route, mask not entered

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-ORPHANMASK rn_delete: Orphaned Mask %x at %x

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-PROFDEFINED-Profile name test is already defined. Please use another name.

Explanation:

The name used for defining the profile is already taken by another profile.

Recommended Action:

Use another name for the profile.

%IP-E-PROFNFND-Profile name test2 does not exist.

Explanation:

The profile name specified has not yet been defined.

Recommended Action:

Verify the spelling of the profile name. It may be misspelled.

%IP-E-PROFINUSE-Profile name test is in use on some slot(s). Please negate the profile from all the slot(s) to which it has been applied before deleting the profile.

Explanation:

The profile is applied on some slot. Therefore, the profile cannot be deleted.

Recommended Action:

Disassociate the profile from all slots before attempting to delete it.

%IP-E-RESETTMRFAIL NU_Reset_Timer failed

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-ROUTEEXISTS <3> A route to %s %s via gateway %s is already present

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-ROUTENOTFOUND Could not delete the route to %s because it does not exist

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-SETTEGFAIL NUE_Set_Flag failed

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IP-E-WAITTEGFAIL Wait_For_Teg failed

Explanation:

The software component that manages IP resources has detected an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

23 IPX PROTOCOL MESSAGES

This chapter describes the messages for the IPX Protocol facility.

23.1 INFORMATIONAL MESSAGES

%IPX-I-BUFFERSSUCC Allocated buffer size of %lu for %s.

Explanation:

This message is displayed when the IPX task successfully allocates socket buffers.

Recommended Action:

None.

%IPX-I-SAPPACKPERITER Sap packets per iteration changed to %d.

Explanation:

This message is displayed when the maximum SAP packets to be processed is set.

Recommended Action:

None.

%IPX-I-SAPGNSPACKPERITER Sap gns packets per iteration changed to %d.

Explanation:

This message is displayed when the maximum SAP GNS packets to be processed limit is set.

Recommended Action:

None.

%IPX-I-RIPPACKPERITER Rip packets per iteration changed to %d.

Explanation:

This message is displayed when the maximum RIP packets to be processed limit is set.

Recommended Action:

None.

%IPX-I-IPXSTATCLEAR IPX Statistics cleared.

Explanation:

This message is displayed when the IPX statistics information is cleared.

Recommended Action:

None.

23.2 ERROR MESSAGES

%IPX-E-BUFFERSFAIL <3> Could not allocate buffer size of %lu for %s. Error = %d.

Explanation:

This message is displayed when the desired buffer size could not be allocated.

Recommended Action:

Reduce the size of the buffers requested and try again.

%IPX-E-CLRTEGFAIL NUE_Set_TEG_Flag failed (0x%x).

Explanation:

This message is displayed when the CLR TEG call to the kernel fails.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPX-E-CNTRLTMRFAIL NU_Control_Timer failed (0x%x) for %s.

Explanation:

This message is displayed when the control timer call to the kernel fails.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPX-E-ENOSOCKSIZEELEM No shadow socket size entry available

Explanation:

Internal allocation array is filled up.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPX-E-ERIPSTATRTFAIL Cannot add static route; route add failed

Explanation:

This message is displayed when an add static route failed because of lack of memory.

Recommended Action:

If possible, remove some static routes to free up memory, or contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPX-E-ERIPSTATRTINTF Cannot define static route for the interface route

Explanation:

This message is displayed when IPX cannot make the interface routes static.

Recommended Action:

Verify interface is a directly attached network. You cannot add a static IPX route for a directly attached network.

%IPX-E-ERIPSTATRTSHAD Cannot allocate memory for shadow static route entry

Explanation:

This message is displayed when IPX cannot allocate memory for shadow static route entry.

Recommended Action:

If possible, remove some static routes to free up memory.

%IPX-E-ERIPNOSTATRTELEM No shadow static route entry available

Explanation:

This message is displayed when IPX cannot allocate a slot in the static route entry array. There is a maximum of 64 static route entries allowed.

Recommended Action:

Delete static routes until there are 64 entries.

%IPX-E-ERIPIFSHAD Cannot allocate memory for shadow delete interface entry

Explanation:

This message is displayed when the router cannot allocate memory for shadow delete interface structure.

Recommended Action:

If possible, remove some interfaces to free up memory.

%IPX-E-ERIPNOIFELEM No shadow delete interface entry available

Explanation:

This message is displayed when the router cannot get a free slot in the shadow delete interface array.

Recommended Action:

Do not delete more than 10 interfaces combined for all the telnet sessions

%IPX-E-ERIPTEGFAIL '<*string*>' : Set_TEG_Flag ret 0x<*hex_number*> event_flag <*flag*>

Explanation:

This message is displayed when IPX cannot set the task event group flag in the designation function.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPX-E-ESAPNOSTATSAPELEM No shadow static sap entry available

Explanation:

This message is displayed when the router cannot get a free slot in the shadow static SAP entry array. You cannot add more than 64 static SAP entries.

Recommended Action:

Delete SAP entries until there are 64 entries.

%IPX-E-ERIPSHOWSHAD Cannot allocate memory for shadow show entry

Explanation:

This message is displayed when IPX cannot allocate memory for shadow show entry.

Recommended Action:

If possible, remove some IPX entries to free up memory.

%IPX-E-ERIPNOSHOWELEM No shadow show entry available

Explanation:

This message is displayed when IPX cannot get a free slot in the shadow show entry array. There can be a maximum of 20 active shows combined from all the telnet session.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPX-E-ERIPCLINOMEM Cannot allocate memory for CLI

Explanation:

This message is displayed when IPX cannot allocate memory for CLI bulk print buffer.

Recommended Action:

If possible, remove some IPX entries to free up memory.

%IPX-E-ESAPNOMEM Cannot allocate memory for SAP entry

Explanation:

This message is displayed when the IPX task cannot allocate memory.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPX-E-ESAPSTATSAPFAIL Cannot add static sap; sap add failed due to low memory

Explanation:

This message is displayed when the user attempts to add a static sap, but there is insufficient memory to accommodate such an addition.

Recommended Action:

Expand existing memory and try again. If situation persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPX-E-ESAPSTATSAPSHAD Cannot allocate memory for shadow static sap entry

Explanation:

This message is displayed when the router cannot allocate memory for shadow static SAP entry structure.

Recommended Action:

If possible, remove some SAP entries to free up memory.

%IPX-E-ESOCKSIZESHAD Cannot allocate memory for shadow socket size array

Explanation:

This message is displayed when the IPX task cannot allocate memory.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPX-E-ESOCKTEGFAIL <3> '%s' : Set_TEG_Flag ret 0x%x event_flag %lu

Explanation:

This message is displayed when the IPX task cannot set the TEG flag.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPX-E-INTFNAMETOOLONG Interface Name <*interface_name*> is longer than allowed max length <*max_length_allowed*>

Description:

The specified interface name is too long.

Recommended Action:

Type in the name of an existing ipx interface name to be associated with the static sap entry.

%IPX-E-INTFNAMENOTFOUND Interface <*interface_name*> not found

Description:

The specified interface cannot be found.

Recommended Action:

Type in the name of an existing IPX interface name to be associated with the static sap entry.

%IPX-E-INTMAXMCREATED Number of IPX interface created exceeds <*number*> allowed

Description:

The number of IPX interfaces has exceeded the maximum allowable.

Recommended Action:

Create no more than the maximum allowable number of IPX interfaces.

%IPX-E-NOCHANNUM Invalid channel number -- <*number*>

Explanation:

This message is displayed when a user inputs an invalid channel number (or the channel number does not refer a to slot that contains a line card).

Recommended Action:

Enter a valid channel number. A valid channel is numbered 0 through 7 and refers to a slot that contains a line card.

%IPX-E-NOIPXADDRCFG No IPX Interface configured for Port %s.

Explanation:

This message is displayed when the user tries to set Destination based forwarding mode on a port on which there is no IPX interface configured.

Recommended Action:

Configure an IPX interface before setting the port in destination based forwarding mode.

%IPX-E-RESETTMRFAIL NU_Reset_Timer failed (0x%x).

Explanation:

This message is displayed when the reset timer call to the kernel fails.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPX-E-SETTEGFAIL NUE_Set_TEG_Flag failed (0x%x).

Explanation:

This message is displayed when the SET TEG call to the kernel fails.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%IPX-E-WAITTEGFAIL Wait_For_TEG failed (0x%x).

Explanation:

This message is displayed when the TEG event call to the kernel fails.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

24 ISIS MESSAGES

This chapter describes the messages for the Intermediate System to Intermediate System (ISIS) facility.

24.1 INFORMATIONAL MESSAGES

%ISIS-I-ADDISIS ISIS was successfully added to interface <name>.

Explanation:

The interface <name> was successfully added to an ISIS area.

Recommended Action:

Informational message. No action is necessary.

%ISIS-I-REMISIS ISIS was successfully removed from interface <name>.

Explanation:

The interface <name> was successfully removed from an ISIS area.

Recommended Action:

Informational message. No action is necessary.

24.2 ERROR MESSAGES

%ISIS-E-IFNOIPFORISIS ISIS cannot be configured on interface <name> because the interface does not support IP.

Explanation:

You have attempted to configure ISIS on a non-IP interface.

Recommended Action:

Change the interface type to IP.

%ISIS-E-IFNOISISONMGMT ISIS cannot be configured on management interface.

Explanation:

You have attempted to configure ISIS on a management port.

Recommended Action:

No recommended action.

%ISIS-E-ISISEXISTS ISIS has already been added to interface <name>.

Explanation:

You have attempted to configure ISIS on an interface that already has ISIS configured on it.

Recommended Action:

No recommended action.

%ISIS-E-ISISNOEXISTS ISIS has not been added to interface <name>.

Explanation:

You have attempted to configure ISIS on an interface but it was not added.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ISIS-E-ISISP2P Interface has to be of type point-to-point to be configured for ISIS.

Explanation:

You have attempted to configure ISIS on a non-PPP interface.

Recommended Action:

Set WAN encapsulation to PPP for the interface.

25 LAYER 2 TABLE MANAGER MESSAGES

This chapter describes the messages for the Layer 2 Table Manager facility.

25.1 INFORMATIONAL MESSAGES

%L2TM-I-CLI_ACK <*command_name*>

Explanation:

This message is displayed as acknowledgment of a successfully completed L2 configuration command (e.g. successful address filter registration).

Recommended Action:

Informational Message. No action necessary.

%L2TM-I-FLOW_HW Attempt to enable flow bridging mode in a prototype module/port failed (%s).

Explanation:

This message is displayed when attempting to enable flow bridging mode on a module that doesn't support flow bridging mode.

Recommended Action:

Upgrade the hardware or do not specify flow bridging mode.

%L2TM-I-STATION_MOVE MAC addresses are moving between port <*port_id*> and other port(s). Possible loop.

Explanation:

This message is displayed when a mac address is moving from one port to another, indicating a possible loop in the network.

Recommended Action:

None.

%L2TM-I-STNOTFOUND not found

Explanation:

This message is displayed when a SmartTRUNK is specified in an L2 filter and the SmartTRUNK does not exist.

Recommended Action:

Either create the SmartTRUNK or do not specify it in the L2 filter.

%L2TM-I-WANNOTALLOWED filtering on vc is not supported

Explanation:

This message is displayed when you try to create an L2 filter on a WAN port per VC. Filters on WAN port VCs are not supported.

Recommended Action:

None.

25.2 WARNING MESSAGES

%L2TM-W-ADD_L2_ENTRYadd L2 entry failed (<*number*>; port <*port_name*>; vlan <*id*>; mac <*MAC_address*>)

Explanation:

This message is displayed when a MAC address could not be added to a port's L2 table.

Recommended Action:

This occurs if ALL the MAC addresses in a port's L2 table are management entries not to be deleted, therefore preventing dynamically learned MACs from being installed.

%L2TM-W-ADD_L2_ENTRY_FLOW add L2 entry failed

Explanation:

This message is displayed when a flow could not be added to a port’s L2 table.

Recommended Action:

This occurs if ALL the FLOW is in a port’s L2 table are management entries not to be deleted, therefore preventing dynamically learned flow from being started.

%L2TM-W-BAD_PORTrequest to perform an action on an invalid port (Port <*port_id*>; <*port_name*>)

Explanation:

This message is displayed when a layer-2 action (e.g. age MAC addresses on port-x) was requested on an invalid port.

Recommended Action:

None.

%L2TM-W-L3ARP_TX send message to ARP MAC Move queue failed (<*string*> <*number*>)

Explanation:

This message is displayed when a send message to the ARP MAC Move queue failed.

Recommended Action:

This may be a temporary condition. Retry.

%L2TM-W-DMND_DELL2 max table capacity reached: <*name*> cap<*number*> thr<*number*> src<*number*> dst<*number*> flw<*number*> mgt<*number*> (<number> >=<*number*>)

Explanation:

This message is displayed when a port's maximum L2 table capacity has almost been reached. Some MAC entries will automatically be deleted (CAPacity, THReshold, SouRCe MACs, DeST MACs, FLoWs, ManaGeMent MACs).

Recommended Action:

If this message is displayed frequently, you may need a board with higher table capacity. Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L2TM-W-FLOW_MISMATCHMAC table flow inconsistency (<*name*>; port <*port_name*>; vlan <*id*>; src <*MAC_address*>; dst <*MAC_address*>)

Explanation:

This message is displayed when the hardware and software views of the MAC tables are out of sync.

Recommended Action:

None.

%L2TM-W-HANDLE_BKTFULLbucket full-deletion failed (port <*name*>;vlan <*id*>;mac <*MAC_address*>)

Explanation:

This message is displayed when multiple MAC addresses map to the same hardware location. A request for one of the MACs to be removed can't be completed.

Recommended Action:

None.

%L2TM-W-INVALID_VLANPort <*port_name*> receiving frames from non-member VLAN (<*vlan_id*>). Possible misconfiguration.

Explanation:

This message is displayed when a port is receiving frames corresponding to a VLAN of which it is not a member.

Recommended Action:

This is likely due to reception of 802.1Q tagged frames. Check your VLAN-to-port configuration.

%L2TM-W-INVALID-WAN-VLAN, WAN Module in slot number <*number*> is receiving frames from non-member VLAN <*vlan ID*>

Explanation:

This message is displayed when a port is receiving frames corresponding to a VLAN of which it is not a member.

Recommended Action:

This is likely due to reception of 802.1Q tagged frames. Check your VLAN-to-port configuration.

%L2TM-W-L4BDGCONFIG L4 bridging configuration error - <*string*>

Explanation:

This message is displayed when a non-IP/IPX packet was received and dropped.

Recommended Action:

Verify the configuration of the Layer 4 bridging VLAN.

%L2TM-W-L4BDGHDRERR L4 bridging L3 header error

Explanation:

This message is displayed when an error is detected in an IP/IPX packet header.

Recommended Action:

No action is required.

%L2TM-W-L4BDGL3QUE L4 bridging L3 miss queue error - <string>

Explanation:

This message is displayed when a packet is received from a VLAN which is not in Layer 4 bridging mode.

Recommended Action:

Verify the configuration of Layer 4 bridging VLANs.

%L2TM-W-L4BDGTBL L4 bridging MAC table error - <*string*>

Explanation:

This message is displayed when there is an error processing the MAC table lookup. See <string> for additional details.

Recommended Action:

Verify the configuration of the Layer 4 bridging VLANs.

%L2TM-W-MAC_REG MAC address registration failed (%s)

Explanation:

This message is displayed when one of the parameters required to add a MAC address into a port's table is invalid.

Recommended Action:

None (these are not user requests to add MAC addresses).

%L2TM-W-MACTBL MAC table error - <*string*>

Explanation:

This message is displayed when a request to add or remove a MAC address from a port's L2 table failed.

Recommended Action:

None.

%L2TM-W-MALLOC malloc failed (<*string*>)

Explanation:

This message is displayed when an L2 request for memory failed. System is running out of memory.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L2TM-W-MSG_RX L2 queue received unrecognized message (<*number*>)

Explanation:

This message is displayed when the L2 queue received an unrecognized request.

Recommended Action:

None.

%L2TM-W-MSG_TX send message to L2 queue failed (<string> - <number>)

Explanation:

This message is displayed when a send message to the L2 queue failed.

Recommended Action:

The queue may be temporarily full.

%L2TM-W-STATION_MOVE MAC addresses are moving between port <*port_name*> and other port(s). Possible loop.

Explanation:

This warning message is displayed when one or more MAC addresses that had previously been learned on one port have now been learned on a different port.

Recommended Action:

If a cable has been moved from one port to another, or if there have been recent spanning-tree topology changes, then you can ignore this message. However, if this message is displayed repeatedly, a loop may exist requiring you to enable spanning-tree.

%L2TM-W-ST_CONFLICT Port (<name>) inherited SmartTRUNK config <config name>.

Explanation:

This message is displayed when a port has been added to a SmartTRUNK.

Recommended Action:

None. (This message is purely for the user’s benefit.)

%L2TM-W-ST_PORT_SYNC Error while updating L2 table of new %s port

Explanation:

This message is displayed while synchronizing ports in a link group. If any problem occurs during the synchronization, this message will be displayed.

Recommended Action:

None.

%L2TM-W-TBL_MISMATCHL2 table inconsistency (<name>; port <port_name>;vlan <id>; mac <MAC_address>)

Explanation:

This message is displayed when the hardware and software views of the MAC tables are out of sync.

Recommended Action:

None.

25.3 ERROR MESSAGES

%L2TM-E-CREATE_TMR timer creation failed (retCode <number>)

Explanation:

This message is displayed when, during initialization (system boot), the L2 task could not create a timer resource (used to age-out MAC addresses).

Recommended Action:

Restart the system. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L2TM-E-DMND_DEL could not remove enough entries from L2 table (port <port_id>)

Explanation:

This message is displayed when a port's table is almost full. Some MAC addresses were automatically removed. However, not enough entries were found (more entries were expected).

Recommended Action:

The software and hardware view of the MAC tables may be out of sync. If this message is frequently displayed, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L2TM-E-FLT_CONFLICT <string>

Explanation:

This message is displayed when multiple L2 filters have been configured and there are conflicts between 2 of them (contradictory configuration).

Recommended Action:

The message informs you of the conflicting parameters. Please modify the configuration accordingly.

%L2TM-E-FLT_INVALID <string>

Explanation:

This message is displayed when an L2 filter was successfully configured but later, when the filter was being applied to traffic that matched the requirements, not all the filtering information was found.

Recommended Action:

Negate and then re-enter the L2 filter command. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L2TM-E-FLT_MAC invalid MAC address while specifying L2 filter

Explanation:

This message is displayed when one of the MAC address parameters required to register an L2 filter is invalid.

Recommended Action:

Save a copy of your configuration file and send it to RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L2TM-E-GET_SEMA4 failed acquiring sema4 (retCode <number>)

Explanation:

This message is displayed when the lock used to guarantee the integrity of the MAC address table could not be acquired/set.

Recommended Action:

If this message is displayed continuously, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L2TM-E-PORT_CLEANUPunsuccessful port cleanup (p <name> src <number> dst<number> flow<number> mgt<number>)

Explanation:

This message is displayed when a port was hot-swapped (out) and not all of its related information could be successfully removed.

Recommended Action:

None.

%L2TM-E-REL_SEMA4 failed releasing sema4 (retCode <number>)

Explanation:

This message is displayed when the lock used to guarantee the integrity of the MAC address table could not be released.

Recommended Action:

If this message is displayed continuously, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L2TM-E-START_TMR failed to start timer 0x<hex_number> (retCode <number>)

Explanation:

This message is displayed when, during initialization (system boot), the L2 task could not start a timer (used to age-out MAC addresses).

Recommended Action:

Restart the system. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L2TM-E-ST_CONFLICT failed adding port (<port_name>) to SmartTRUNK <SmartTRUNK>

Explanation:

This message is displayed when adding a port fails.

Recommended Action:

Verify the port being added to a SmartTRUNK.

%L2TM-E-STNOTFOUND SmartTRUNK st.<number> not found

Explanation:

This message is displayed when the user attempts to specify a particular SmartTRUNK port that the router cannot identify.

Recommended Action:

Verify that the specified port is actually part of a SmartTRUNK.

%L2TM-E-WANNOTALLOWED L2 filtering on vc is not supported

Explanation:

This message is displayed when an L2 static entry is configured.

Recommended Action:

This feature (static entry) cannot include a WAN VC as a parameter.

25.4 FATAL ERRORS

%L2TM-F-CREATE_SEMA4 failed creating sema4 (retCode <number>)

Explanation:

This message is displayed when, during initialization (system boot), the L2 task could not create a semaphore resource used to maintain the integrity of the MAC tables

Recommended Action:

Restart the system. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L2TM-F-CREATE_Q failed creating queue <string> (retCode <number>)

Explanation:

This message is displayed when, during initialization (system boot), the L2 task could not create a queue resource (used to receive MAC addresses during learning).

Recommended Action:

Restart the system. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L2TM-F-REG_LRN failed registering L2-learning with NI

Explanation:

This message is displayed when, during initialization (system boot), the L2 task could not register to receive frames for learning.

Recommended Action:

Restart the system. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

26 LAYER 3 ACCESS CONTROL LIST MESSAGES

This chapter describes the messages for the Layer 3 Access Control List (ACL) facility.

26.1 INFORMATIONAL MESSAGES

%ACL-I-NOACL No ACL applied to interface <*interface_name*>

Explanation:

The user is trying to see if an ACL is applied to a specific interface. This message indicates that there are no ACLs applied to this interface.

Recommended Action:

Informational Message. No action necessary.

%ACL-I-NONE No ACL applied to any services

Explanation:

There is no Service ACL applied to any services on the router.

Recommended Action:

Informational Message. No action necessary

%ACL-I-NOCHANGE No change was made, exiting...

Explanation:

The user is attempting to use the **save** command in the ACL editor but no change has been made.

Recommended Action:

Informational Message. No action necessary.

%ACL-I-NOALL No ACL applied to all IP interfaces.

Explanation:

There is no ACL that is applied to all IP interfaces.

Recommended Action:

Informational Message. No action necessary.

%ACL-I-NOALL No ACL applied to all IPX interfaces.

Explanation:

There is no ACL that is applied to all IPX interfaces.

Recommended Action:

Informational Message. No action necessary.

%ACL-I-DEFAULT DENY ACL [<*acl_name*>] on "<*interface_name*>" ...

Explanation:

This ACL Logging message shows that a packet doesn't match any of the rules specified in this ACL. As a result, the packet is denied because of the implicit deny rule.

Recommended Action:

Informational Message. No action necessary.

%ACL_LOG-I-DENY ACL [<*number*>] on "<*interface_name*>" ...

Explanation:

This ACL Logging message shows that a particular packet is denied because it matches a rule in the specified ACL.

Recommended Action:

Informational Message. No action necessary.

%ACL_LOG-I-PERMIT ACL [<*number*>] on "<*interface_name*>" ...

Explanation:

This ACL Logging message shows that a particular packet is permitted because it matches a rule in the specified ACL.

Recommended Action:

Informational Message. No action necessary.

26.2 ERROR MESSAGES

%ACL-E-ALREADY ACL <*ACL_name*> is already applied to interface <*interface_name*>.

Explanation:

The user is trying to apply an ACL to an interface where this ACL is already applied.

Recommended Action:

None. An ACL can only be applied to the same interface in the same direction once.

%ACL-E-BADACLNAME Unknown or invalid ACL name: <*ACL_name*>

Explanation:

The user is trying to apply a non-existent ACL to an interface.

Recommended Action:

Create the ACL first before applying it to the interface.

%ACL-E-DSTFLOWMODE Interface ’%s’ has a port in Destination Flow Mode.

Explanation:

The user is trying to attach an ACL to an interface which has one or more ports in Destination flow based routing mode. An inbound ACL cannot be applied to such interfaces because the ACL may have Source IP, Source Port, or Destination Port field in its parameters.

Recommended Action:

Either the ports associated with the interface should not be in Destination Flow based mode or the ACL should only contain Destination IP address in its parameters.

%ACL-E-FACADD error adding facility '<*name*>'

Explanation:

System resources are limited and the ACL system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ACL-E-GNSDIRECTION IPXGNS ACL can only be applied to output.

Explanation:

The user is trying to apply a GNS filter (IPX ACL) to the input direction. Since the Get Nearest Server (GNS) requests are sourced by the router, it doesn't make sense to apply an IPX GNS ACL on the inbound side.

Recommended Action:

None. GNS filters cannot be applied to the input direction.

%ACL-E-HSTFLOWMODE Interface '%s' has a port in Host Flow Mode.

Explanation:

The user is trying to attach an ACL to an interface which has one or more ports in Host Flow based routing mode. An inbound ACL cannot be applied to such interfaces because the ACL may have Source Port or Destination Port fields in its parameters.

Recommended Action:

Either the ports associated with the interface should not be in Host Flow based mode or the ACL should only contain Destination IP address and Source IP address in its parameters.

%ACL-E-HSTFLOWSERVICEACL Service ACL has incompatible rules for Host Flow based routing.

Explanation:

The user is trying to change the port mode to Host Flow based, where there is a service ACL in the system. A service ACL requires that all ports not be in either Destination or Host Flow based modes because a service ACL requires to compare the Destination Port number in the packet and a port in Destination flow mode would produce a flow block with only the Destination and Source IP addresses.

Recommended Action:

Cannot change port mode to Host Flow based mode if a service ACL is present in the system. The ACL could be detached from the services if the port needs to be in Host Flow based mode.

%ACL-E-HSTFLMODINCOM ACL %s has incompatible rules for Host Flow based routing.

Explanation:

The user is trying to set the port to Host Flow based routing mode which is not compatible with the ACL associated with the port. The ACL might be having rules on Scr Port or Destination Port, all of which in the packet will not be considered if the port is in Host Blow based mode.

Recommended Action:

Find out the ACL that is causing the conflict and detach it from the port and try again.

%ACL-E-INCOMPATIBLE ACL %s has incompatible rules for Destination based routing.

Explanation:

The user is trying to set the port to Destination Based routing mode which is not compatible with the ACL associated with the port. The ACL might be having rules on Source IP Src Port, or Destination Port, all of which in the packet will not be considered if the port is in Destination based mode.

Recommended Action:

Find out the ACL that is causing the conflict ant detach it from the port and try again.

%ACL-E-IFNOTFOUND <*interface_name*>: no such interface.

Explanation:

The user is trying to apply an ACL to a non-existent interface.

Recommended Action:

Create the interface first before applying the ACL.

%ACL-E-INSERVICE <2> ACL %s is currently in use by service '%s'.

Explanation:

The ACL is used by the service.

Recommended Action:

None.

%ACL-E-NATCONFIGURED <2> ACL %s is currently in use by NAT as '%s' dynamic pool

Explanation:

The user is trying to delete an ACL which is being used by NAT in a dynamic pool.

Recommended Action:

None.

%ACL-E-NATINFO <2> ACL %s is currently in use by NAT as '%s' dynamic pool

Explanation:

The user is trying to delete an ACL and the ACL is not present in the system.

Recommended Action:

None.

%ACL-E-NOTINL4BDGVLAN ACL not applied - Port %s must belong to an L4-bridged Vlan.

Explanation:

The user is trying to apply an ACL to a port which does not belong to the L4 bridging VLAN.

Recommended Action:

An ACL cannot be applied to a port which does not belong to L4 bridging VLAN. The user needs to add the port to an L4 bridging VLAN.

%ACL-E-NOMODIFYPORT <2> ACL is currently in use by port. Please use the ACL Editor to edit this ACL.

Explanation:

The user is trying to create an ACL which is already present and is attached to a port.

Recommended Action:

None. You cannot create an ACL which is already present. Use a new name.

%ACL-E-NOMEM processing error - insufficient memory

Explanation:

This message appears when network load exceeds system capacity.

Recommended Action:

System resources are limited. Upgrade with more memory. If problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ACL-E-NOMODIFYACL is currently in use at interface <*interface_name*>. Please use the ACL Editor to edit this ACL.

Explanation:

The user is trying to modify an ACL that is currently applied to an interface.

Recommended Action:

To modify an ACL that is currently applied to an interface, there are two ways you can do it. One way is to “detach” the ACL from the interface first before modifying the ACL. You can do so by negating the corresponding **`acl apply`** command. The second, simpler method is to use the ACL Editor. Using the ACL Editor, you can make changes to an ACL that is currently applied. When you exit and save the modified ACL, the changes take effect immediately.

%ACL-E-NOSUCHRULEUnable to find specified ACL rule; possibly deleted by another configuration task.

Explanation:

The ACL that you are trying to use does not exist. This message only occurs in the rare situation where someone deleted the ACL as you try to use it.

Recommended Action:

Re-create the ACL that you want to use.

%ACL-E-PORTFLOWMODE A port is in Destination Flow Mode; incompatible with Service ACL %s.

Explanation:

The user is trying to apply an ACL to a service and at least one port in the router is in Destination Flow based mode. To apply an ACL to a service requires the Destination Port number in the packet. If any port is in Destination flow based ode then, only the Destination IP address is extracted from the packet and all other fields are ignored while constructing the flow block for flow lookup.

Recommended Action:

Only if none of the ports are in either Destination or Host Flow based mode, will the user be able to apply an ACL to a service.

%ACL-E-PORTNOTFOUND %d: no such port.

Explanation:

The user is trying to look at all the attached ACLs for a port that doesn’t exist.

Recommended Action:

Check the appropriate slot for the presence of the port.

%ACL-E-PORTHSTFLOWMODE A port is in Host Flow Mode; incompatible with Service ACL %s.

Explanation:

The user is trying to apply an ACL to a service and at least one port in the router is in Host Flow based mode. To apply an ACL to a service requires the Destination Port number in the packet. If any port is in Destination Flow based ode then, only the Destination IP address is extracted from the packet and all other fields are ignored while constructing the flow block for the flow lookup.

Recommended Action:

Only if none of the ports are in either Destination or Host Flow based mode, will the user be able to apply an ACL to a service.

%ACL-E-PROTMISMATCH There is a protocol mismatch between the ACL and the Interface.

Explanation:

This message is displayed if the user tries an ACL to an interface and the protocol type (IP, IPX, etc.) of the ACL and the interface are not the same.

Recommended Action:

Try to attach an ACL to an interface if and only if they both have the same protocol types.

%ACL-E-REFERENCE ACL ’%s’ is being referenced by other commands -- delete these references before deleting this ACL

Explanation:

The user is trying to delete the ACL which is still being used.

Recommended Action:

Detach the ACL from all its usages before deleting it.

%ACL-E-SAMEPROTOAnother ACL (<*ACL_name*>) for <*interface_name*> has already been applied to this interface.

Explanation:

Another ACL for the same protocol has already been applied to this interface in the same direction (input or output). You cannot apply a second ACL for the same protocol to the same interface in the same direction. For example, you can only apply one IP ACL to an IP interface in the inbound direction. You can apply a second IP ACL to the same IP interface if it is applied in the outbound direction but not if they apply to the same direction. This approach is chosen to avoid confusion as to which ACL should have precedence over other ACLs in the event that none of the rules in an ACL matches the packet.

Recommended Action:

If it is necessary to have the rules from two different ACLs applied to an interface, you need to combine the rules from the two ACLs into one ACL and apply that to the interface.

%ACL-E-SERVICEACL Service ACL has incompatible rules for Destination based routing.

Explanation:

The user is trying to change the port mode to Destination Flow based, when there is a service ACL in the system. A service ACL requires that all ports not be in either Destination or Host Flow based modes because a service ACL requires to compare the Destination Port number in the packet and a port in Destination Flow mode would produce a flow block with only the Destination IP address.

Recommended Action:

Cannot change port mode to Destination Flow based mode if a service ACL is present in the system. The ACLs could be detached from the services if the port needs to be in Destination Flow based mode.

%ACL-E-WCMODE-ACL on the interface stm-1-if is incompatible with port gi.1.2 set to custom forwarding mode

Explanation:

This message is displayed when either an ACL is applied to an interface containing ports set to the custom forwarding mode or a port is set to a custom forwarding mode is on an interface that contains an ACL. The error message indicates that the ACL is incompatible with the custom forwarding mode as some field wildcarded by the custom forwarding mode is required by the ACL.

Recommended Action:

Adjust the port configuration.

%ACL-E-ACLINCOMP-ACL 110 is incompatible with port gi.1.2 set to custom forwarding mode

Explanation:

This message is displayed when either an ACL is applied to an interface containing ports set to the custom forwarding mode or a port is set to a custom forwarding mode is on an interface that contains an ACL. The error message indicates that the ACL is incompatible with the custom forwarding mode as some field wildcarded by the custom forwarding mode is required by the ACL.

Recommended Action:

Adjust the port configuration.

%ACL-E-WRONGACLYou can only add rules to ACL '<*ACL_name*>' in this editing session.

Explanation:

Inside the ACL Editor, the user is attempting to add rules to a different ACL.

Recommended Action:

None. When you edit an ACL in the ACL Editor, you can only add rules to the ACL that you are editing. For example, you cannot add rules to ACL 110 when you are editing ACL 100.

%ACL-E-WRONGPROTOCOLACL <*ACL_name*> is currently defined for <*protocol_type*>.

Explanation:

The user is trying to specify an ACL rule that is of a different protocol family than the ones that are currently in this ACL. For example, this message can occur if the user is trying to add an IPX ACL rule to an IP ACL or vice versa.

Recommended Action:

None. The rules in an ACL must all belong to the same protocol family.

27 LAYER 3 AGING MESSAGES

This chapter describes the messages for the Level 3 Aging facility.

27.1 FATAL ERRORS

%L3AGE-F-EVWAIT event wait failed with error '<*number*>'

Explanation:

This message appears when the L3 aging task event wait failed due to system resource problems.

Recommended Action:

System will reboot. If problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L3AGE-F-TMRCREATFAIL timer creation failed with error '<*number*>'

Explanation:

This message appears when the timer for the L3 aging task could not be created due to limited system resources

Recommended Action:

Increase system memory or call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%L3AGE-F-TMRSTARTFAIL failed to start timer '0x<*hex_number*>', error '<*number*>'

Explanation:

This message appears when the timer for the L3 aging task could not be started due to limited system resources

Recommended Action:

Increase system memory or call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

28 LFAP MESSAGES

This chapter describes the messages for the LFAP (Lightweight Flow Accounting Protocol) facility.

28.1 INFORMATIONAL MESSAGES

%LFAP-I-CONNECT creating a TCP connection to <*server*> on dport <*port*>

Explanation:

This message is displayed when the router attempts to connect to a remote LFAP server.

Recommended Action:

Informational message. No action required.

%LFAP-I-CONNECTED connected to server <*server*>

Explanation:

This message is displayed when the router successfully connects to a LFAP server.

Recommended Action:

Informational message. No action required.

%LFAP-I-LOST_CONTACT lost contact with server <*server*>

Explanation:

This message is displayed when the router loses its connection with the LFAP server.

Recommended Action:

Check to see that the LFAP server is still running and reachable from the router.

%LFAP-I-STOP started LFAP Service

Explanation:

This message is displayed when the LFAP service is started.

Recommended Action:

Informational message. No action required.

%LFAP-I-STOP stopped LFAP Service

Explanation:

This message is displayed when the LFAP service is stopped.

Recommended Action:

Informational message. No action required.

%LFAP-I-UPDATE updated LFAP Service

Explanation:

This message is displayed when the LFAP service is updated.

Recommended Action:

Informational message. No action required.

28.2 WARNING MESSAGES

%LFAP-W-DROPPED_FAR dropped a FAR message: %lu

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-W-DROPPED_FUN dropped a FUN-I message: %lu

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-W-FLOW_INFO retrieving flow information, cannot find flow %lu in flow table

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-W-FLOW_STATS cannot find flow %lu in flow table

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-W-INVALID_LEN send message length: %d

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-W-INS_IP_FLOW_PTR unable to insert flow %lx:%lu into ptr to flowid table

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-W-SSR_DEL_FLOW cannot find flow %lx in ptr to flowid flow table

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-W-MSG_SHORT received LFAP message is shorter than indicated length, indicated:%d actual:%d

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-W-MSG_CORRUPT corrupt message received, opcode:%d msgid:%d

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-W-UNKNOWN_MSG received unknown message, opcode: %d

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Check the server version for the correct version. If the problem persists contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-W-WORK_CREATED worker thread already created

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-W-WRITEV writev: %s

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

28.3 ERROR MESSAGES

%LFAP-E-BAD_VERSION received message with incompatible LFAP version, rcvd:<*number*> send:<*number*>

Explanation:

The router's LFAP service received a LFAP packet with incompatible version number.

Recommended Action:

Check to make sure that the LFAP server is compatible with the LFAP service on the router.

%LFAP-E-CALLBACK_FAIL callback failed

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-CLOSE_FAIL close: %s

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-CONNECT_FAIL connect: %s

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-CREATE_TASK NUE_Create_Task failed: %s

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-DIFF_SERVERS current server not equal to this server, current server: %lu this server: %lu

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-DISCONNECT server IP is zero, still disconnecting

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-DIS_TIMER unable to disable timer: %d

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-EN_TIMER unable to enable timer: %d

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-FAS_DEL_FLOW cannot find flow <*number*> in flow table

Explanation:

LFAP service tried to delete a flow that does not exist anymore (already deleted).

Recommended Action:

Check LFAP server, refresh current active flow list.

%LFAP-E-INVALID_LENGTH invalid length computed while sending multiple messages

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-INVALID_STATE invalid state in work loop, ignored, lfap_status=%d mask=%x

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-INS_IP_FLOW_ID unable to insert flow %lu into flowid to ptr table

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-IOCTL_FAIL connect ioctl: %s

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-MSG_TOO_LARGE fas sent too large of a message, len=%d, ignored

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-NO_CALLBACK no callback for timer: %d

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-NO_SERVER cannot change configuration if a server is not configured

Explanation:

The user is attempting to change the configuration of the router's LFAP service without first specifying a LFAP server.

Recommended Action:

Specify a LFAP server before changing the configuration of the LFAP service.

%LFAP-E-NO_DISCONNECT unable to disconnect, server IP is unavailable

Explanation:

Router's LFAP service is trying to disconnect from a LFAP server but the server's IP address is unknown.

Recommended Action:

Check to see if the LFAP server list on the router is valid. If yes, stop and restart LFAP service on the router.

%LFAP-E-NO_START cannot start LFAP Service if a server is not configured

Explanation:

The user is trying to start the LFAP service without specifying a LFAP server for the router to connect.

Recommended Action:

Specify a LFAP server before starting the LFAP service.

%LFAP-E-NO_TIMERS no timers available

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-PART_MSG_RCVD did not receive entire message, rcvd:%d actual:%d

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-REM_FLOW_ID unable to remove flow %lu from flowid to ptr table

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-REM_FLOW_PTR unable to remove flow %lu from ptr to flowid table

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-SET_TEG_FLAG NUE_Set_TEG_Flag failed for Process Work Event

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-SHUTDOWN_FAIL shutdown: %

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-SOCKET_FAIL socket: %s

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-TIMER_FAIL NU_Create_Timer failed: %s

Explanation:

This message indicates that there is an internal error.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-WRITE_FAIL write: %s

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LFAP-E-WRITEV_FAIL writev: %s

Explanation:

This message indicates that there is a system failure.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

29 LOAD BALANCE MESSAGES

This chapter describes the messages for the Load Balance facility.

29.1 INFORMATIONAL MESSAGES

%LOADBAL-I-AGINGTIMER Load Balance Client-Server mappings aging timer set to <*number of minutes*> minutes

Explanation:

The aging timer for client-server mappings is set to the specified number of minutes.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-APPDOWN Host status change detected: applications on port <*port num*> of <*server IP*> belonging to group <*group name*> is down

Explanation:

The operational state of the specified application on the server has been set to down.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-APPUP Host status change detected: applications on port <*port num*> of <*server IP*> belonging to group <*group name*> is up

Explanation:

The operational state of the specified application on the server has been set to up.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-CHGPOLICY Load Balance policy changed to <*new policy*> from <*old policy*> for group <*group name*>

Explanation:

The policy for distributing workload on load-balancing servers is changed for the specified group.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-CLADDGRPACC <*Client ipaddr/ipaddr range*> added to access list of group <*group name*>

Explanation:

The specified address or address range is added to the list of hosts that are allowed to access the load balancing server group without address translation.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-CLREMGRPACC <*Client ipaddr/ipaddr range*> removed from access list of group <*group name*>

Explanation:

The specified address or address range has been removed from the list of hosts that are allowed to access the load balancing server group without address translation.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-FTPCONTROL FTP Control port set to <*port number*> for load balancing

Explanation:

The FTP control port is set to the specified port number.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-GRPCREATED Group <*group name*> successfully created with virtual IP <*ipaddr*> and port <*virtual port number*>

Explanation:

The load balancing group is created with the specified virtual IP address and virtual port number.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-GRPDELETED Load Balancing group <*group name*> deleted successfully

Explanation:

The specified load balancing group was deleted.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-HOSTADDED Host <*ipaddr*> with port <*port number*> successfully added to group <*group name*>

Explanation:

The specified server was added to the load balancing group.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-HOSTDELETED Host <*ipaddr*> successfully deleted from group <*group name*>

Explanation:

The specified server was deleted from the load balancing group.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-HOSTDOWN Host Status Change Detected: <*ipaddr*> belonging to group <*group name*> is Down

Explanation:

The operational status of the specified server in the load balancing group has been set to ‘down.’

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-HOSTUP Host Status Change Detected: <*ipaddr*> belonging to group <*group name*> is Up

Explanation:

The operational status of the specified server in the load balancing group has been set to ‘up.’

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-NOCHGVPNPORTCannot change VPN Destination port. VPN load balance group exists on port <*port_num*>

Explanation:

The user previously created a group with persistence-level of ’VPN’.

Recommended Action:

Delete the group on the specified port number to be able to proceed.

%LOADBAL-I-NOACVOPT4UDP Application Content Verification options cannot be set for UDP groups or their servers

Explanation:

ACV options cannot be set for UDP groups or their servers.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LOADBAL-I-NOACVOPT4WILD Application Content Verification options cannot be set for Wildcard groups or their servers

Explanation:

ACV options cannot be set for wildcard groups or their servers.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LOADBAL-I-OPTSET4GRP <*option name*> already set for group <*group name*>. Please negate that command before proceeding

Explanation:

The specified option was already set to a certain value in a previous command.

Recommended Action:

Negate that command before proceeding.

%LOADBAL-I-OPTSET4SER <*option name*> already set for server <*ip of server*> on port <port num>.Please negate that command before proceeding

Explanation:

The specified option was already set to a certain value in a previous command.

Recommended Action:

Negate that command before proceeding.

%LOADBAL-I-REMACVOPT4GRP Please remove the ACV options of Group <*group name*> before proceeding

Explanation:

The user modified the ACV options from their defaults and now wishes to delete that group.

Recommended Action:

Negate the ACV command before for that group before proceeding.

%LOADBAL-I-REMACVOPT4SER> Please remove the ACV options of Host <*ip of server*> with port <*port num*> before proceeding

Explanation:

The user modified the ACV options from their defaults and now wishes to delete that server.

Recommended Action:

Negate the server-ACV command for that server before proceeding.

%LOADBAL-I-SETVARIANT Load Balance Mappings Hash Index variant set to variant <*new variant*> from <*old variant*>

Explanation:

The hash variant for calculating the load balancing mappings index is set to the new variant number.

Recommended Action:

Informational Message. No action necessary.

%LOADBAL-I-VPNDEST VPN destination port set to <*port_num*> for Load Balancing

Explanation:

VPN groups will now need to use this port.

Recommended Action:

None.

%LOADBAL-I-RULEXLT Rule %s: pattern translated from %s to %s

Explanation:

This informational message displays the rule/pattern translation.

Recommended Action:

Informational message. No action necessary.

%LOADBAL-I-LOADQUALITYRATIO Site load quality ratio %s for group %s

Explanation:

The site load quality ratio for the group %s has been set successfully. This message also displays when a site load quality ratio is deleted.

Recommended Action:

Informational message. No action necessary.

29.2 WARNING MESSAGES

%LOADBAL-W-ADMINALREADYDOWN Host <*ipaddr*> with port <*port number*> in group <*group name*> is already marked down by admin

Explanation:

The specified server has already been set to ‘down’ admin status.

Recommended Action:

No action necessary.

%LOADBAL-W-ADMINALREADYUP Host <*ipaddr*> with port <*port number*> in group <*group name*> is already marked up by admin

Explanation:

The specified server has already been set to ‘up’ admin status.

Recommended Action:

No action necessary.

%LOADBAL-W-HOSTSTATE Incoming packets for group <*group name*> being dropped. Due to their current state, no destination host could be selected.

Explanation:

This warning message is displayed when all servers in the load balancing group are either set to ‘down’ admin status or are not responding.

Recommended Action:

Use the **`load-balance show virtual-hosts`** command to check the status of the servers in the group. Set the admin status of servers to ‘up.’ Make sure servers are running.

%LOADBAL-W-MSG Cleaning up flows <*description*>. This might take a while...

Explanation:

The load balancing facility is performing periodic flow maintenance, but this does not affect load balancing operations.

Recommended Action:

Informational message only. No action required.

%LOADBAL-W-NOHOSTSADDED Incoming packets for group <*group name*> being dropped. No servers have been added to group <*group name*>

Explanation:

Clients are trying to access the virtual address and port number of the load balancing group, but there are no servers in the group to which the router can redirect the client requests. The load balancing group has been created but no servers have been added to the group.

Recommended Action:

Add servers to the specified group with the **`load-balance add host-to-group`** or **`load-balance add host-to-vip-range`** commands.

29.3 ERROR MESSAGES

%LOADBAL-E-ACCLSTEXISTS Access List still exists for group <*group name*>. Please remove access list of group before proceeding

Explanation:

You attempted to remove the group, but an access list exists for the group.

Recommended Action:

Remove the access list for the group first before removing the group.

%LOADBAL-E-GRPNAMEUSED
Group name <*group name*> is already used
Implicit to be generated group name <*group name*> is already used

Explanation:

You attempted to create a group name that already exists. When using the load-balance create vip-range-name command to create groups, note that separate server groups for each virtual IP address in the range are implicitly created.

Recommended Action:

Use the **load-balance show virtual-hosts** command to see the created groups.

%LOADBAL-E-HOSTEXISTS Destination hosts still exist for group <*group name*>. Please remove them from the group before proceeding

Explanation:

You attempted to delete a group or range before removing the hosts from the group or range.

Recommended Action:

Use the negate command to remove hosts from the group or range first before deleting the group or range.

%LOADBAL-E-HOSTINLIST Host <*ipaddr*> with port <*port number*> is already added to group <*group name*>

Explanation:

You attempted to add a server that has already been added to the same group.

Recommended Action:

Use the **load-balance show virtual-hosts** command to see the created groups and the servers that belong to those groups.

%LOADBAL-E-ILLEGALRANGE Illegal range. Please try again.

Explanation:

You specified an illegal IP address range. The range must be in the form 10.10.1.1-10.10.1.3.

Recommended Action:

Check the syntax of the IP address range you specified.

%LOADBAL-E-INVALIDPORT
Cannot create a Virtual IP range on port 20 (ftp data port)
Cannot create a group on port 20 (ftp data port)
Cannot add a host with port 20 (ftp data port)

Explanation:

Port number 20 is the FTP data port and cannot be specified as the virtual port number for a group or virtual IP range, or the port for a server.

Recommended Action:

Specify a port number other than 20.

%LOADBAL-E-IPINACCLIST Client IP already in access list

Explanation:

You specified an IP address with the load-balance allow access-to-servers command that had already been specified.

Recommended Action:

Check the IP address.

%LOADBAL-E-IPNOTINACCLIST specified IP addresses not found in access list of group <*group name*>

Explanation:

The access list for the group was removed or does not exist.

Recommended Action:

Use the **`load-balance allow access-to-servers`** command to specify the hosts that are allowed to access a group without address translation.

%LOADBAL-E-MAXVIPRANGE Cannot create a range with more than 254 Virtual IP's. Please try again with a lesser range.

Explanation:

A virtual IP address range cannot have more than 254 addresses. You can, however, create two or more separate virtual IP address ranges.

Recommended Action:

Specify a virtual IP address range of less than 254 addresses.

%LOADBAL-E-MSG Load Balance - <*module*> - memory allocation error

Explanation:

A memory allocation error occurred in the specified module.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LOADBAL-E-NEEDACVREPLY Please specify an 'act-reply' to be checked for the 'acv-command'

Explanation:

While setting up the application checking options, the 'acv-command' was specified without specifying an "acv-reply.'

Recommended Action:

Try the command again and this time also specify the expected response from the server with the 'acv-reply' option.

%LOADBAL-E-NEEDPORT Host without a port cannot be added to a group associated with a specific port

Explanation:

You attempted to add a host without a port number to a load balancing group that has a port specified.

Recommended Action:

Specify a port number for the host you are adding to the group.

%LOADBAL-E-NEEDWILDPORT<0> <1> %s

Explanation:

While assigning a persistence-level of 'sticky' when creating a group, the user also specified the 'virtual-port' options. The 'sticky' persistence-level only works with wildcard groups.

Recommended Action:

Try the command again without specifying the 'virtual-port' option while creating the group.

%LOADBAL-E-NOCHGFTPPORT Cannot change FTP Control port. FTP load balance group exists on port *<port number>*

Explanation:

You created a group on the FTP control port. The FTP control port cannot be changed unless the group is removed first.

Recommended Action:

Remove the group before changing the FTP control port. Or, do no change the FTP control port.

%LOADBAL-E-NOFTPDATAGRP The Corresponding FTP data group of <*group name*> could not be found

Explanation:

You created a group on the FTP control port, which implicitly creates the FTP data group. However, the FTP data group cannot be found.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LOADBAL-E-NOPORT Host with a port cannot be added to a group unassociated with ports

Explanation:

You attempted to add a host with a port number to a load balancing group that does not have a port specified.

Recommended Action:

Do not specify a port number for the host you are adding to the group.

%LOADBAL-E-NOSETOPTFTPDATAGRP Cannot set <*option*> for FTP data group. Set it for the corresponding FTP control group.

Explanation:

You created a group on the FTP control port, which implicitly created the FTP data group. You can only set options for the group on the FTP control port.

Recommended Action:

Specify the group name on the FTP control port.

%LOADBAL-E-NOSUCHGRP No such load-balance group <*group name*> exists

Explanation:

You specified a nonexistent load balancing group when adding servers to a group, specifying access lists, etc.

Recommended Action:

Use the **`load-balance show virtual-hosts`** command to see the created groups.

%LOADBAL-E-NOSUCHHOST Host <*ipaddr*> with port <*port number*> is not in server list of group <*group name*>

Explanation:

You attempted to either set the status of a server that does not belong to a load balancing group, delete a server that has already been deleted, or delete a server that was never added to a group.

Recommended Action:

Use the **`load-balance show virtual-hosts`** command to see the created groups and their servers.

%LOADBAL-E-NOSUCHVIPRANGE No such Virtual IP range name <*vip range name*>

Explanation:

You specified a nonexistent virtual IP range name when adding servers to groups, specifying access lists, etc.

Recommended Action:

Check the configuration for the specified virtual IP range name.

%LOADBAL-E-REMOVEPOLICY Policy has been changed for group <*group name*>. Please remove that command before proceeding

Explanation:

You changed the load-balancing policy from the default policy for the specified group. You cannot remove the group unless the policy configuration command is removed first.

Recommended Action:

Remove the policy command before removing the group.

%LOADBAL-E-SAMEPOLICY Load Balance policy is already set to *<policy name>*

Explanation:

You attempted to set the policy for distributing workload on the load balancing servers, but the specified policy was already in effect.

Recommended Action:

No action necessary.

%LOADBAL-E-SAMEVARIANT Load Balance Mappings Hash Index variant is already set to variant *<hash variant number>*

Explanation:

You attempted to set the hash variant for calculating load-balancing mappings index, but the specified hash variant was already in effect.

Recommended Action:

No action necessary.

%LOADBAL-E-SPLITHOSTS Cannot add more than *<limit>* hosts in one command. Please split them up

Explanation:

You need to use more than one command in order to add more hosts to the group. Note that this does *not* mean that no more hosts can be added to the group; you will need to use more than one command to add the hosts.

Recommended Action:

Use multiple commands to add hosts to the group.

%LOADBAL-E-STRINGTOOBIG Virtual IP range name is too big. With specified range, the range name can be only <*number*> characters.

Explanation:

The specified range name becomes the *base* group name; thus, the range name ‘myrange’ becomes the groups ‘myrange1,’ ‘myrange2,’ etc., for each virtual address in the specified range. Depending upon the number of virtual addresses in the range, one to three additional digits are appended to the base group name.

Recommended Action:

Use a range name with fewer characters.

%LOADBAL-E-USESAMERANGE Please use the same range of IP’s for the destination server’s as the Virtual IP range.

Explanation:

The number of servers in the specified range is not the same as the number of virtual IP addresses. If you specified 15 virtual IP addresses with the **`load-balance create vip-range-name`** command, then you must specify a range of 15 IP addresses in the **`load-balance add host-to-vip-range`** command.

Recommended Action:

Specify a range of IP addresses that is a one-to-one mapping to the virtual IP addresses.

%LOADBAL-E-VIPPORTUSED Virtual IP <*ipaddr*> and Virtual Port <*port number*> combination is already used

Explanation:

You specified a virtual IP address and virtual port number combination that has already been created.

Recommended Action:

Use a different virtual IP address-virtual port number combination.

%LOADBAL-E-VIPRANGENAMEUSED Virtual IP range name <*range name*> is already used

Explanation:

You specified a **`vip-range-name`** that already exists.

Recommended Action:

Use the **`load-balance show virtual-hosts`** command to see the created groups.

%LOADBAL-E-DEFGRPSET Default-group has already been set for group %s

Explanation:

Use the default group of servers as the last resort.

Recommended Action

Use another group.

%LOADBAL-E-HLBRULEDUP %s add rule - rule has already been added to the group

Explanation:

The same rule with the same priority has already been added to the group.

Recommended Action:

Use a different rule with a different priority.

%LOADBAL-E-RATIOSET %s ratio already set for group %s %s

Explanation:

A ratio is already set for the group. The first instance of %s contains the string "site load quality." The second is the name of the group. The third is the message "Please negate this command before this group can be deleted."

Recommended Action:

Negate the command.

%LOADBAL-E-GET_SEMA4 Failed acquiring sema4 (retCode %d)

Explanation:

The load balancing module could not allocate resources and this is a critical error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%LOADBAL-E-REL_SEMA4 Failed releasing sema4 (retCode %d)

Explanation:

The load balancing module could not allocate resources and this is a critical error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

29.4 FATAL MESSAGES

%LOADBAL-E-CREATE_SEMA4 Failed creating sema4 (retCode %d)

Explanation:

The load balancing module could not allocate resources and this is a critical error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

30 MIRRORING MESSAGES

This chapter describes the messages for the Mirroring facility.

30.1 INFORMATIONAL MESSAGES

%MIRRORING-I-MIRROR_INFO Mirroring on port %s for %s is %s

Explanation:

This message is displayed when port mirroring is enabled or disabled on a port.

Recommended Action:

None.

30.2 WARNING MESSAGES

%MIRRORING-W-GCASTRLSE Cannot release gcast entry %d

Explanation:

This message is displayed when the group cast index cannot be released.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MIRRORING-W-L2APIFAIL Cannot mirror existing L2 traffic

Explanation:

This message is displayed when the Layer 2 traffic cannot be mirrored.

Recommended Action:

Check the mirrored/target port for correctness. Also if the port is already being mirrored, the above message will be displayed.

30.3 ERROR MESSAGES

%MIRRORING-E-TOO_MANY Only one %s can be specified.

Explanation:

This message is displayed when more than one target port is specified.

Recommended Action:

Specify only one target port to mirror.

%MIRRORING-E-ONLYONE Only one monitor port allowed

Explanation:

This message is displayed when more than one monitor port is specified.

Recommended Action:

Specify only one monitor port.

%MIRRORING-E-GCASTSET Could not set monitor port entries

Explanation:

This message is displayed when a group cast index cannot be set.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MIRRORING-E-MONITORING_SET %s '%s' is already being monitored

Explanation:

This message is displayed when the target port is already being monitored.

Recommended Action:

Check to make sure that the target port specified is not already being monitored.

%MIRRORING-E-MONITORPORT Port '%s' is a monitor port, cannot monitor a monitor port

Explanation:

This message is displayed when the monitor port specified is itself being monitored.

Recommended Action:

Disable monitoring on the desired port and then execute the command.

%MIRRORING-E-NO_WAN_MIRRORING Port mirroring not allowed on wan ports

Explanation:

This message is displayed when a WAN port is specified as a monitor port.

Recommended Action:

Do not use a WAN/CMTS/POS port to monitor.

%MIRRORING-E-NO_CMTS_MIRRORING Port mirroring not allowed on cmts ports

Explanation:

This message is displayed when a CMTS port is specified as a monitor port.

Recommended Action:

Do not use a WAN/CMTS/POS port to monitor.

%MIRRORING-E-NO_POS_MIRRORING Port mirroring not allowed on SONET ports

Explanation:

This message appears when a POS port is specified as a monitor port.

Recommended Action:

Do not use a WAN/CMTS/POS port to monitor.

%MIRRORING-E-NORULE Rule ’%s’ does not exist, cannot %s a non-existant rule

Explanation:

This message is displayed when the ACL name specified could not be found.

Recommended Action:

Check the ACL name for correctness.

%MIRRORING-E-MAXCAPACITY Maximum of %d rules created, cannot create more rules

Explanation:

This message is displayed when the maximum number of rules has been created.

Recommended Action:

Do not specify additional rules.

%MIRRORING-E-RULETOOLONG Rule name '%s' exceeds maximum allowable 20 characters

Explanation:

This message is displayed when the specified rule name is longer than 20 characters.

Recommended Action:

Specify a rule name of less than 20 characters.

%MIRRORING-E-EXISTS Duplicate rule name '%s'

Explanation:

This message is displayed when the specified rule name already exists.

Recommended Action:

Specify a different name.

%MIRRORING-E-NOTEXIST Rule name '%s' does not exist

Explanation:

This message is displayed when the specified rule name does not exist.

Recommended Action:

Specify and existing rule name.

%MIRRORING-E-IPONLY ACL ’%s’ is a non-IP ACL. Only IP ACLs can be applied to flow mirroring

Explanation:

This message is displayed when the ACL specified is a non-IP ACL.

Recommended Action:

Non-IP ACLs cannot be used in flow mirroring.

31 MPLS MESSAGES

This chapter describes the messages for the Multiprotocol Label Switching (MPLS) facility messages.

31.1 INFORMATIONAL MESSAGES

%MPLS-I-LSPPATHSWITCH LSP <*path*> switching to <primary/secondary> Path <*path*>.

Explanation:

The indicated LSP has switched to the primary or secondary path.

Recommended Action:

Informational message. No action required.

31.2 WARNING MESSAGES

%MPLS-W-IFNOTIP Interface <*interface*> is not an IP interface.

Explanation:

You attempted to enable MPLS on a non-IP interface. Only IP interfaces can be specified.

Recommended Action:

Enable MPLS on IP interfaces only.

%MPLS-W-L2FECCUSTOMERPORTSINCONSISTENT All ports belonging to customer-id <id> should be of same type (ACCESS or TRUNK)

Explanation:

All ports that are mapped to a customer ID with the must be either access ports or trunk ports. You cannot map both access and trunk ports to a single customer ID.

Recommended Action:

Specify either all access ports or all trunk ports for the customer ID.

%MPLS-W-L2FLTADD Unable to add MPLS L2 filter <filter>.

%MPLS-W-L2FLTDEL Unable to remove MPLS L2 filter <filter>.

%MPLS-W-LDPL2FECTRANSPORTLSPDEL LSP <lsp> is getting removed. There are L2 FECs which prefer this LSP as transport LSP which will stop using this as preferred LSP

Explanation:

The transport or tunnel LSP specified to transport L2 frames across an MPLS network is being removed.

Recommended Action:

If an alternate LSP is specified and available, no action is required. Otherwise, you may need to specify a different transport LSP for the L2 FEC.

%MPLS-W-LOADDRESSNOTSAMEASROUTERIDNOW New router-id <id> is not one of the addresses of loopback interface. Remote LDP peers will not work

%MPLS-W-RSVPNEWAUTHKEY Setting new authentication key. Existing TE-RSVP LSPs on interface <*interface*> may be torn down.

Explanation:

A new authentication key has been set.

Recommended Action:

No action required.

%MPLS-W-VLANID Vlan Id <*vlan-id*> does not exist

Explanation:

The specified VLAN ID does not exist.

Recommended Action:

Either create the VLAN with the specified ID or specify a VLAN ID that currently exists.

31.3 ERROR MESSAGES

%MPLS-E-ADDILMFLD Unable to add ILM entry

%MPLS-E-ADDOTTFLD Unable to add OTT entry

%MPLS-E-AGMISCFG Administrative groups misconfiguration

%MPLS-E-ARPNOTFOUND ARP entry for gateway <ipaddr> not found

%MPLS-E-BADLBLMAP Bad label-map configuration: %s

%MPLS-E-CLRTEGFAIL Failed to clear TEG events, status: %d

%MPLS-E-CNTRLTMRFAIL Failed to control timer, status: %d, timer: %s

%MPLS-E-EOTLEXIST This label <label> is already reserved on %s.

%MPLS-E-EOTLNOTEXIST This label <label> is not reserved on %s.

%MPLS-E-ERRILM ILM entry operation failed: %s

%MPLS-E-FAINTERFACENOTCONFIG Forward adjacency interface <interface> could not be configured %d.

%MPLS-E-FAINTERFACENOTCREATED Forward adjacency interface <interface> could not be created %d.

%MPLS-E-FAINTERFACENOTEXIST Forward adjacency interface <interface> does not exist.

%MPLS-E-FALSP_INIT MPLS failed to get fa-lsp ifindex for \"%s\".

%MPLS-E-FANAMETOOLONG Forward adjacency name <name> too long. The name cannot be longer than <number> characters.

%MPLS-E-FANOTDESTROYED Forward adjacency <name> was not destroyed.

%MPLS-E-FAVLANNOTCREATED Vlan could not be created for forward adjacency

%MPLS-E-FIB_SEM Unable to %s ILM semaphore

%MPLS-E-FILTERDUP Another LDP Filter already existing with same parameters

%MPLS-E-FILTERDUPSEQ Another LDP Filter already existing with same sequence number %d

%MPLS-E-FILTERNOTFOUND Unable to delete LDP filter.

%MPLS-E-FIRSTHOPNOTLOCAL The first hop of path <name> is not a local interface.

%MPLS-E-FNDURFFLD No URF entry exists for addr %ul

%MPLS-E-GATEDNOTUP Gated Task is not up

%MPLS-E-GETOTTFLD Unable to get free OTT index

%MPLS-E-HOPEXIST Hop num <number> exists for path <name>.

Explanation:

You attempted to configure a hop in the path that was previously configured.

Recommended Action:

Specify a different hop in the path.

%MPLS-E-HOPNOTDEFINED Hop number <number> is not defined for path <name>.

Explanation:

You have not configured the hop for the path.

Recommended Action:

Configure the hop.

%MPLS-E-HOPRANGE Given hop is out of range for path <name>.

Explanation:

The hop that you have attempted to configure is not within the maximum number of hops configured for the path.

Recommended Action:

Specify a hop that is within the maximum number of hops configured for the path.

%MPLS-E-IFCREATEFAIL Failed to create MPLS Interface object

%MPLS-E-IFLDPADDED Interface <name> already added to LDP.

%MPLS-E-IFLDPNOTADDED Interface <interface> is not added to LDP

%MPLS-E-IFMPLSNOTADDED Interface <name> is not added to MPLS.

%MPLS-E-IFNOTEXIST Interface <name> does not exist

Explanation:

The specified interface does not exist.

Recommended Action:

Either create the interface or specify an interface that currently exists.

%MPLS-E-IFRSVPADDED Interface <name> already added to RSVP.

%MPLS-E-IFRSVPNOTADDED Interface <name> is not added to RSVP.

%MPLS-E-IFSIG Disable signalling protocols %d on interface <name>.

%MPLS-E-ILLEGALLBLOP %d: Illegal label operation

%MPLS-E-INIFNULL Ingress interface is NULL for if ID %d

%MPLS-E-INITFAIL MPLS system initialization failed.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MPLS-E-INTERFACEEXIST Interface %s has already been created. Please use another name.

%MPLS-E-INTERFACENOTEXIST Interface %s does not exist.

Explanation:

The specified interface does not exist.

Recommended Action:

Either create the interface or specify an interface that currently exists.

%MPLS-E-INTERFACENOTFOUND Unable to locate LDP interface %s

%MPLS-E-INVBETENDS Lower limit of mask (%d) is greater than upper limit (%d).

%MPLS-E-INVBETLOWEND Lower limit of mask (%d) is mask than specified mask len (%d).

%MPLS-E-INVBETWEENOPT Invalid between option.

%MPLS-E-INVMASK Mask (%s) specified is invalid.

%MPLS-E-INVMASKLEN Masklen (%d) specified is greater than 32.

%MPLS-E-INVNEIGHBOR Null neighbor IP address not allowed.

%MPLS-E-INVNEXTHOP Null nexthop not allowed.

%MPLS-E-KEYLEN Length of the specified key <key> exceeds maximum allowed.

Explanation:

You have specified an authentication key of more than 16 characters.

Recommended Action:

Specify an authentication key of 16 characters or less.

%MPLS-E-KEYUNSPEC Authentication key is unspecified on interface <name>.

Explanation:

You have enabled authetication on the interface, but have not configured an authentication key.

Recommended Action:

Specify an authentication key of 16 characters or less.

%MPLS-E-L2CAMADD Failed to add CAM entry (%s), port:<port>, index: <index>.

%MPLS-E-L2CAMDEL Failed to delete CAM entry (%s), port: <port>, index: <index>.

%MPLS-E-L2OTTDEL Failed to delete OTT entry (%) - r_ott: %d.

%MPLS-E-LATFREE Cannot free label <label> on interface <name>.

%MPLS-E-LATGET Cannot reserve label <label> on interface <name>.

%MPLS-E-LDPADDL2FECTOTARGETFAIL Unable to add%s%s to LDP remote peer <ipaddr>

%MPLS-E-LDPADDTARGETFAIL Failed to add LDP remote peer <ipaddr> to interface <name>

%MPLS-E-LDPCUSTOMERPORTALREADYMAPPED Port <port> already mapped to another customer-id <id>

%MPLS-E-LDPCUSTOMERPORTMODESINCONSISTENT All ports belonging to customer-id <id> should be of same type (ACCESS or TRUNK)

%MPLS-E-LDPINTERFACECREATEFAIL Failed to create LDP Interface object

%MPLS-E-LDPL2FECCUSTOMERNOPORTMAPPING Customer ID <id> not mapped to any port

%MPLS-E-LDPMAPCUSTOMERPORTFAIL LDP map port-list to customer-id <id> failed

%MPLS-E-LDPREMOVETARGETFAIL Failed to remove LDP remote peer <ipaddr> from interface <name>

%MPLS-E-LDPSETIFPASSWORDFAIL Unable to set MD5 password for peer <peer>

%MPLS-E-LDPSETL2FECTRANSPORTEXIST Unable to set transport LSP <lsp> for %s to remote-peer %s. Another set command exists

%MPLS-E-LDPSETL2FECTRANSPORTFAIL Unable to set transport LSP %s for %s to remote-peer %s

%MPLS-E-LDPSETL2FECTRANSPORTNONEXIST Unable to set transport LSP %s for %s to remote-peer %s. LSP does not exist

%MPLS-E-LDPSETPEERPASSWORDFAIL Unable to set MD5 password for interface %s

%MPLS-E-LDPSOCKFAIL Failed to create LDP hello socket

%MPLS-E-LDPTARGETALREADYADDED LDP remote-peer %s is already added to interface %s

%MPLS-E-LDPTARGETNOTADDED LDP remote peer %s is not added

%MPLS-E-LOADDRESSNOTSAMEASROUTERID One of the addresses of lo0 must be same as router-id %s for LDP remote peering

%MPLS-E-LSPEXIST LSP \"%s\" already exists.

%MPLS-E-LSPHASNOPRIM LSP \"%s\" has no primary path: \"%s\".

%MPLS-E-LSPHASPRIM LSP \"%s\" has primary path: \"%s\".

%MPLS-E-LSPINUSE LSP \"%s\" is in use

%MPLS-E-LSPINVALIDFROM LSP \"%s\" has invalid \"from\" addr.

%MPLS-E-LSPINVALIDRTRID No router-id configured. Failed to create LSP \"%s\".

%MPLS-E-LSPINVLBL Invalid label list in LSP

%MPLS-E-LSPMISSINGPARAM LSP \"%s\" is missing parameters.

%MPLS-E-LSPNOTEXIST LSP \"%s\" does not exist

%MPLS-E-LSPPOLNOTFOUND Lsp %s policy %s not found

%MPLS-E-MEMFAIL running out of memory.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MPLS-E-MPLSCNTRCREATFAILED Failed to create MPLS Controller object.

%MPLS-E-MPLSCTRLQ Can’t send message to mpls ctrl-cli queue.

%MPLS-E-MPLSNOMEM No memory left

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MPLS-E-NEEDEMBDNBUF does not have embedded nbuf in mbuf

%MPLS-E-NOFMHANDLE No Handles remaining in OTT Flow Manager

%MPLS-E-NONCONTIGMASK Non-contiguous mask %s not allowed.

%MPLS-E-NONMASKEDNOTZERO Non-masked bits not zero for %s mask %s

%MPLS-E-NOROUTE No IGP route exists to %s

%MPLS-E-NULLNBUF Null nbuf returned.

%MPLS-E-OTTFREE Cannot for ott-index for %s on interface %s.

%MPLS-E-OTTGET Cannot get ott-index for %s on interface %s.

%MPLS-E-OUTIFNULL Egress interface is NULL for if ID %d

%MPLS-E-PATHEXIST Path \"%s\" already exists.

%MPLS-E-PATHNOTEXIST Path \"%s\" does not exist.

%MPLS-E-PGRNHLST Next-hop list: %s

%MPLS-E-POLICYEXIST Policy %s already exists

%MPLS-E-POLICYINUSE Policy %s is in use

%MPLS-E-POLICYNOTEXIST Policy %s does not exist

%MPLS-E-PREFFILTERDUP Filter %s already existing with same parameters as filter

%s

%MPLS-E-PREFIXFILTERCANNOTDELETE Please delete LDP filters using prefix filter %s before deleting prefix filter %s

%MPLS-E-PREFIXFILTEREXIST Prefix filter %s already existing with same parameters as %s

%MPLS-E-PREFIXFILTERNOTFOUND Prefix filter %s not found.

%MPLS-E-Q_CREATE Failed to create '%s' queue.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MPLS-E-QCREATFAIL Failed to queue for console/MPLS return code %d

%MPLS-E-QSENDFAIL Failed to send in queue for console/MPLS return code %d

%MPLS-E-RESETTMRFAIL Failed to reset timer, status: %d

%MPLS-E-RSVPIDEXIST RSVP is already enabled on interface %s.

%MPLS-E-RSVPIFADD Failed to create RSVP Interface object

%MPLS-E-RSVPNGBNOTEXIST RSVP neighbor not found. (%s)

%MPLS-E-RSVPOBJCREATE Failed to create RSVP object.

%MPLS-E-RSVPPKTCKSUM RSVP packet recv error: bad checksum 0x%x.

%MPLS-E-RSVPPKTDECODE RSVP packet recv error: packet decoding error. RSVP Error = (0x%x, 0x%x).

%MPLS-E-RSVPPKTIFAGG RSVP packet recv error: aggregation is not enabled on interface %s. Packet is discarded.

%MPLS-E-RSVPPKTIFDIS RSVP packet recv error: recv on rsvp-disabled interface %d.

%MPLS-E-RSVPPKTIFMSGID RSVP packet recv error: msg-id extensions are not enabled on interface %s. Packet is discarded.

%MPLS-E-RSVPPKTMANDOBJMISSING RSVP packet recv error: missing mandatory object.

%MPLS-E-RSVPPKTMSGLEN RSVP packet recv error: bad msg len (rsvpLen: %d, ipLen: %d, ipHdrlen: %d).

%MPLS-E-RSVPPKTMSGTYPE RSVP packet recv error: bad msg type %d.

%MPLS-E-RSVPPKTOUTPKT RSVP packet recv error: outgoing ttl 0. msg type %d.

%MPLS-E-RSVPPKTTTL RSVP packet recv error: ttl 0.

%MPLS-E-RSVPPKTTTLMISMATACH RSVP packet recv error: IP ttl and RSVP ttl mismatch.

%MPLS-E-RSVPPKTVERSION RSVP packet recv error: bad version number.

%MPLS-E-RSVPQ Can’t send message to mpls RSVP-cli queue.

%MPLS-E-RSVPRECV RSVP socket receive error %d.

%MPLS-E-RSVPSEND Failed to send RSVP packet %d.

%MPLS-E-RSVPSOCK Failed to create RSVP socket.

%MPLS-E-RSVPSOCKOPT Can’t set socket option on RSVP socket.

%MPLS-E-RSVPTXSOCKBLOCK Failed to send RSVP packet. Transmit socket is blocked.

%MPLS-E-SEM_FAIL Failed to ’%s’ semaphore ’%s’.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MPLS-E-SETTEGFAIL Failed to set TEG event, status: %d

%MPLS-E-SIGEXIST Disable signalling on interface %s before executing this command.

%MPLS-E-STNOTFOUND %s %s.%d not found

%MPLS-E-TMACEOTLFAIL TMAC eotl %d operation failed for %s.

%MPLS-E-UNKNOWNCLIMSG Unknown CLI msg 0x%x to MPLS module.

%MPLS-E-UNKNOWNIFMSG Unknown IF msg 0x%x to MPLS module.

%MPLS-E-UNKNOWNPROTOMSG Unknown PROTO 0x%x in the mesg to MPLS module.

%MPLS-E-VLANLABEL_LEN Vlan label name exceeded maximum (%d)

%MPLS-E-WAITTEGFAIL Failed to wait on TEG event, status: %d

31.4 SYSTEM ERRNOS AND DESCRIPTIONS

Table 31-1 is a list of standard system error numbers that can be referenced in RS error messages. The table provides a description for each error number.

Table 31-1 Errno Values and Descriptions

Error Number	Error	Description
1	EPERM	Not super-user
2	ENOENT	No such file or directory
3	ESRCH	No such process
4	EINTR	Interrupted system call
5	EIO	I/O error
6	ENXIO	No such device or address

Table 31-1 Errno Values and Descriptions

Error Number	Error	Description
7	E2BIG	Arg list too long
8	ENOEXEC	Exec format error
9	EBADF	Bad file number
10	ECHILD	No children
11	EAGAIN	Resource temporarily unavailable
12	ENOMEM	Not enough core
13	EACCES	Permission denied
14	EFAULT	Bad address
15	ENOTBLK	Block device required
16	EBUSY	Mount device busy
17	EEXIST	File exists
18	EXDEV	Cross-device link
19	ENODEV	No such device
20	ENOTDIR	Not a directory
21	EISDIR	Is a directory
22	EINVAL	Invalid argument
23	ENFILE	File table overflow
24	EMFILE	Too many open files
25	ENOTTY	Inappropriate ioctl for device
26	ETXTBSY	Text file busy
27	EFBIG	File too large
28	ENOSPC	No space left on device
29	ESPIPE	Illegal seek
30	EROFS	Read only file system
31	EMLINK	Too many links
32	EPIPE	Broken pipe
33	EDOM	Math arg out of domain of func
34	ERANGE	Math result not representable
35	ENOMSG	No message of desired type
36	EIDRM	Identifier removed

Table 31-1 Errno Values and Descriptions

Error Number	Error	Description
37	ECHRNG	Channel number out of range
38	EL2NSYNC	Level 2 not synchronized
39	EL3HLT	Level 3 halted
40	EL3RST	Level 3 reset
41	ELNRNG	Link number out of range
42	EUNATCH	Protocol driver not attached
43	ENOCSI	No CSI structure available
44	EL2HLT	Level 2 halted
45	EDEADLK	Deadlock condition.
46	ENOLCK	No record locks available.
47	ECANCELED	Operation canceled
48	ENOTSUP	Operation not supported
49	EDQUOT	Disc quota exceeded
50	EBADE	Invalid exchange
51	EBADR	Invalid request descriptor
52	EXFULL	Exchange full
53	ENOANO	No anode
54	EBADRQC	Invalid request code
55	EBADSLT	Invalid slot
56	EDEADLOCK	File locking deadlock error
57	EBFONT	Bad font file fmt
60	ENOSTR	Device not a stream
61	ENODATA	No data (for no delay io)
62	ETIME	Timer expired
63	ENOSR	Out of streams resources
64	ENONET	Machine is not on the network
65	ENOPKG	Package not installed
66	EREMOTE	The object is remote
67	ENOLINK	The link has been severed
68	EADV	Advertise error

Table 31-1 Errno Values and Descriptions

Error Number	Error	Description
69	ESRMNT	srmount error
70	ECOMM	Communication error on send
71	EPROTO	Protocol error
74	EMULTIHOP	Multihop attempted
77	EBADMSG	Trying to read unreadable message
78	ENAMETOOLONG	Path name is too long
79	EOVERFLOW	Value too large to be stored in data type
80	ENOTUNIQ	Given log. name not unique
81	EBADFD	f.d. invalid for this operation
82	EREMCHG	Remote address changed
83	ELIBACC	Can't access a needed shared lib.
84	ELIBBAD	Accessing a corrupted shared lib.
85	ELIBSCN	.lib section in a.out corrupted.
86	ELIBMAX	Attempting to link in too many libs.
87	ELIBEXEC	Attempting to exec a shared library.
88	EILSEQ	Illegal byte sequence.
89	ENOSYS	Unsupported file system operation
90	ELOOP	Symbolic link loop
91	ERESTART	Restartable system call
92	ESTRPIPE	If pipe/FIFO, don't sleep in stream head
93	ENOTEMPTY	Directory not empty
94	EUSERS	Too many users (for UFS)
95	ENOTSOCK	Socket operation on non-socket
96	EDESTADDRREQ	Destination address required
97	EMSGSIZE	Message too long
98	EPROTOTYPE	Protocol wrong type for socket
99	ENOPROTOOPT	Protocol not available
120	EPROTONOSUPPORT	Protocol not supported
121	ESOCKTNOSUPPORT	Socket type not supported
122	EOPNOTSUPP	Operation not supported on socket

Table 31-1 Errno Values and Descriptions

Error Number	Error	Description
123	EPFNOSUPPORT	Protocol family not supported
124	EAFNOSUPPORT	Address family not supported by protocol family
125	EADDRINUSE	Address already in use
126	EADDRNOTAVAIL	Can't assign requested address
127	ENETDOWN	Network is down
128	ENETUNREACH	Network is unreachable
129	ENETRESET	Network dropped connection because of reset
130	ECONNABORTED	Software caused connection abort
131	ECONNRESET	Connection reset by peer
132	ENOBUFS	No buffer space available
133	EISCONN	Socket is already connected
134	ENOTCONN	Socket is not connected
143	ESHUTDOWN	Can't send after socket shutdown
144	ETOOMANYREFS	Too many references: can't splice
145	ETIMEDOUT	Connection timed out
146	ECONNREFUSED	Connection refused
147	EHOSTDOWN	Host is down
148	EHOSTUNREACH	No route to host
	EWOULDBLOCK	EAGAIN
149	EALREADY	Operation already in progress
150	EINPROGRESS	Operation now in progress
151	ESTALE	Stale NFS file handle

32 MULTICAST MESSAGES

This chapter describes the messages for the Multicast facility.

32.1 ERROR MESSAGES

%MULTICAST-E-BADADDR Bad Address: ’%s’

Explanation:

This message is displayed if the IP address specified does not correspond to a configured interface.

Recommended Action:

Verify the interface IP address.

%MULTICAST-E-BADGRP Bad Group Address: ’%s’

Explanation:

This message is displayed if the multicast group specified is not a valid Group D address, for example, 224.0.0.0 to 239.255.255.255.

Recommended Action:

Verify the Group IP address.

%MULTICAST-E-FACADD error adding facility '<*name*>'

Explanation:

System resources are limited and the Multicast system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MULTICAST-E-IFNOTFOUND <*interface ip_address/name*>: no such interface address

Explanation:

This message appears when a nonexistent multicasting interface name or IP address has been specified.

Recommended Action:

Verify IP address and name.

%MULTICAST-E-MEMORY Could not allocate memory

Explanation:

This message is displayed when multicast service is unable to allocate system memory.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MULTICAST-E-NOCHILD Unable to create '%s' task

Explanation:

This message is displayed when the system is unable to create the DVMRP task.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MULTICAST-E-NOIGMP Igmp Not Running

Explanation:

This message is displayed when the DVMRP task is not running.

Recommended Action:

Verify DVMRP service.

%MULTICAST-E-SYSERR System Error in setting Static Group

Explanation:

This message is displayed when an internal system error occurred while trying to configure a static group.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MULTICAST-E-VPORT Port Not in Vlan: '%s'

Explanation:

This message is displayed when the port specified does not belong to the corresponding interface's VLAN.

Recommended Action:

Verify specified port.

33 MULTICAST TRACEROUTE MESSAGES

This chapter describes the messages for the Multicast Traceroute facility.

33.1 WARNING MESSAGES

%MT-W-JOIN can't join group <*group_name*> on interface <*interface_name*>

Explanation:

This message appears when Mtrace cannot join group on interface.

Recommended Action:

Make sure the interface specified exists and the group address is a multicast address.

%MT-W-LEAVE can't leave group <*group_name*> on interface <*interface_name*>

Explanation:

This message appears when Mtrace cannot leave the group on interface.

Recommended Action:

This could be because there was no join for the group on the specified interface.

%MT-W-SENDTO sendto to <*name*> on <*interface_name*>

Explanation:

This message appears when the IGMP packet could not be sent.

Recommended Action:

This could be due to lack of resources, try again when the system is less busy.

33.2 ERROR MESSAGES

%MT-E-BADVALUE invalid value (must be between <*number*> and <*number*>).

Explanation:

This message appears when an incorrect value is entered.

Recommended Action:

Enter an appropriate value and try again.

%MT-E-FACADD error adding facility '<*name*>'

Explanation:

System resources are limited and the Multicast Traceroute system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MT-E-IPHDRINCL setsockopt IP_HDRINCL <*number*>

Explanation:

This message appears when the setsockopt IP_HDRINCL had an invalid argument passed to it.

Recommended Action:

This error could be due to lack of resources or the option is not supported or the argument is not a valid socket.

%MT-E-MINVALUE value must be <*number*> or higher

Explanation:

This message appears when an incorrect value was entered.

Recommended Action:

Enter appropriate value and try again.

%MT-E-MULTICASTIF setsockopt IP_MULTICAST_IF <*interface_name*>

Explanation:

This message appears when the setsockopt IP_MULTICAST_IF returned an error.

Recommended Action:

The error could be due to lack of resources or the option is not supported or the argument is not a valid socket.

%MT-E-MULTICASTLOOP setsockopt IP_MULTICAST_LOOP <*socket_number*>

Explanation:

This message appears when the setsockopt IP_MULTICAST_LOOP returned an error.

Recommended Action:

The error could be due to lack of resources or the option is not supported or the argument is not a valid socket.

%MT-E-MULTICASTTTL setsockopt IP_MULTICAST_TTL <*socket_number*>

Explanation:

This message appears when the setsockopt IP_MULTICAST_TTL returned an error.

Recommended Action:

The error could be due to lack of resources or the option is not supported or the argument is not a valid socket.

%MT-E-NOINTERFACES No interfaces present

Explanation:

This message appears when there are no interfaces present in the switch

Recommended Action:

Create an interface so that the mtrace packet can be transmitted.

%MT-E-NOMEM processing error - insufficient memory

Explanation:

This message appears when unable to allocate memory.

Recommended Action:

This error is due to lack of resources. Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%MT-E-SORCVBUF setsockopt SO_RCVBUF <*number*>

Explanation:

This message appears when the setsockopt SO_RCVBUF returned an error.

Recommended Action:

This could be due to the fact that the system could not meet the receive buffer size due to lack of resources.

%MT-E-UNKWNHOST unknown host <*host_name*>

Explanation:

This message appears when Mtrace sees an unknown host.

Recommended Action:

Check host name and try again.

34 NAT MESSAGES

This chapter describes the messages for the Network Address Translation (NAT) facility.

34.1 INFORMATIONAL MESSAGES

%NAT-I-CLNDYN Please wait while NAT removes the bindings and cleans up the existing NAT flows for these bindings...

Explanation:

NAT is removing the bindings and the flows for this dynamic binding.

Recommended Action:

Informational message. No action necessary.

%NAT-I-DYNCR NAT Dynamic binding created for local-acl: <*acl_name*> and global pool

Explanation:

A dynamic address binding has been created with the specified local ACL pool and the global pool.

Recommended Action:

Informational message. No action necessary.

%NAT-I-DYNRM NAT Dynamic binding removed for local-acl: <*acl_name*> and global pool

Explanation:

Dynamic address binding is removed with the negation of the dynamic binding command.

Recommended Action:

Informational message. No action necessary.

%NAT-I-DYNSESSTO Dynamic session time out for NAT set to: <*value*> (min)

Explanation:

The timeout for dynamic address bindings is set to the specified value.

Recommended Action:

Informational message. No action necessary.

%NAT-I-FLOWAGING NAT flow aging timeout is set to: <value> (min)

Explanation:

Flow aging for NAT is set to the specified value.

Recommended Action:

Informational message. No action necessary.

%NAT-I-FTPPRT FTP port for NAT set to: <*port*>

Explanation:

The FTP control port for NAT is set to the specified value.

Recommended Action:

Informational message. No action necessary.

%NAT-I-FTPTO FTP session timeout for NAT set to: <*value*> (min)

Explanation:

The FTP session timeout for NAT is set to the specified value.

Recommended Action:

Informational message. No action necessary.

%NAT-I-IFALLIN All the interfaces are set NAT inside

Explanation:

All interfaces are defined as inside interfaces.

Recommended Action:

Informational message. No action necessary.

%NAT-I-IFALLOUT All the interfaces are set NAT outside

Explanation:

All interfaces are defined as outside interfaces.

Recommended Action:

Informational message. No action necessary.

%NAT-I-IFSETIN Interface: <*interface_name*> is already set to be NAT inside

Explanation:

The specified interface was previously defined as a NAT inside interface.

Recommended Action:

Informational message. No action necessary.

%NAT-I-IFSETOUT Interface: <*interface_name*> is already set to be NAT outside

Explanation:

The specified interface was previously defined as a NAT outside interface.

Recommended Action:

Informational message. No action necessary.

%NAT-I-INITDYN Please wait while NAT dynamic initializes the dynamic pools and cleans up any existing flows...

Explanation:

NAT is initializing the dynamic binding.

Recommended Action:

Informational message. No action necessary.

%NAT-I-RMIFALLIN All the interfaces are set to their previous NAT states, if applicable, else they are no longer NAT inside interfaces

Explanation:

The NAT set interface all inside command is negated. As a result, one or more interfaces may be set to NAT inside interfaces if they were set prior to this command. Otherwise they are no longer NAT inside interfaces.

Recommended Action:

Informational message. No action necessary.

%NAT-I-RMIFALLOUT All the interfaces are set to their previous NAT states, if applicable, else they are no longer NAT outside interfaces

Explanation:

The NAT set interface outside command is negated.

Recommended Action:

Informational message. No action necessary.

%NAT-I-RMIFIN Interface: <*interface_name*> is no longer a NAT inside interface

Explanation:

The command that defines the specified interface as an inside interface is negated.

Recommended Action:

Informational message. No action necessary.

%NAT-I-RMIFOUT Interface: <*interface_name*> is no longer a NAT outside interface

Explanation:

The command that defines the specified interface as an outside interface is negated.

Recommended Action:

Informational message. No action necessary.

%NAT-I-STCR NAT Static binding created between local-ip: <*ip_address*> and global-ip: <*ip_address*> with protocol: <*protocol*>

Explanation:

A static address binding has been created between the specified local and global addresses with the specified protocol (IP, TCP, or UDP).

Recommended Action:

Informational message. No action necessary.

%NAT-I-STRM NAT Static binding removed between local-ip range: <*ip_address-ip_address:port(if any)*> and global-ip range: <*ip_address-ip_address:port(if any)*> with protocol: <*protocol*>

Explanation:

Static address binding is removed.

Recommended Action:

Informational message. No action necessary.

34.2 ERROR MESSAGES

%NAT-E-AQRSEM NAT_AcquireSemaphore - <*value*>

Explanation:

System error. NAT could not obtain a semaphore from the system.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NAT-E-BNDMAL NAT_AllocateBinding - malloc error

Explanation:

Memory allocation error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NAT-E-COMPILE NAT support was not included at compile time.

Explanation:

NAT is not supported in this release.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NAT-E-CUSTCOMP-One of the ports in an interface set in custom forwarding mode conflicts with a nat rule

%NAT-E-CSUTMODECNFLT- The interface: net-if has port: gi.3.2 of slot: 3 which is set to custom forwarding mode. Nat rules conflict with the custom forwarding mode on that port.

Explanation:

The two error message above occur when you try to enable a NAT rule (static or dynamic). If the rule conflicts with any port on the interface set to custom forwarding mode due to the fact that the custom forwarding mode wildcards a particular field that the NAT requires.

Recommended Action:

Adjust the configuration.

%NAT-E-DYNGBLINFMAL NAT_AllocateGlobalInfo - malloc error

Explanation:

Internal error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NAT-E-DYNGBLLSTMAL NAT_AllocateGlobalList - malloc error

Explanation:

Internal error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NAT-E-DYNGBLRM The Global pool does not correspond to the Local acl pool: <*acl*> it is binded for

Explanation:

The global pool that the user specified does not correspond to the local pool.

Recommended Action:

Check the correspondence of the local ACL pool and the global pool.

%NAT-E-DYNGBLTOLCL The Global pool does not correspond to the Local acl pool: <*acl_name*> it is binded for

Explanation:

The global pool that the user specified does not correspond to the local pool.

Recommended Action:

Check the correspondence of the local ACL pool and the global pool.

%NAT-E-DYNGBLUSED Given global IP is already being used with Local Acl pool <*acl_name*>

Explanation:

The global address pool is already defined for dynamic address binding with the specified ACL.

Recommended Action:

Specify a different global address pool for dynamic address binding with the specified ACL.

%NAT-E-DYNINFMAL NAT_AllocateDynamicInfo - malloc error

Explanation:

Internal error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*.

%NAT-E-DYNLCLANYDEFINED Local Acl pool: <*acl_name*> has defined any local ip address. NAT cannot bind local ip adresses with 'any' already defined for translation

Explanation:

An ACL pool with the keyword ‘any’ is already defined. You cannot assign any other local IP address after ‘any.’

Recommended Action:

Remove the ‘any’ local-acl-pool from NAT and reconfigure.

%NAT-E-DYNLCLDEFINED Local Acl pool: <*acl_name*> has defined 'any' local ip address. NAT cannot bind 'any' with local ip ddresses already defined for translation

Explanation:

An ACL pool with a local IP address is already defined. You cannot define ‘any’ with a local IP address already defined.

Recommended Action:

Remove the local-acl-pool from NAT with the local IP address and reconfigure.

%NAT-E-DYNLCLUSED Local IP address: <*ip_address*> in local acl-pool: <*acl_name*> is already used in previous defined aclset: <*acl_name*>. NAT cannot bind same local to different global

Explanation:

The local address pool is already defined in a dynamic address binding with a global address pool.

Recommended Action:

Specify a different local address pool for the dynamic address binding.

%NAT-E-DYNOLIFPRTDSTBASED The interface: <*interface_name*> has port: <*port_number*> of slot: <*slot_number*> which is set to destination based routing. Global pool uses this interface. NAT cannot allow destination based routing with overloaded dynamic

Explanation:

NAT overloaded dynamic does not allow destination based routing for the global pool using the named interface.

Recommended Action:

Remove destination based routing from the port.

%NAT-E-DYNOLIFPRTHSTMODE The interface: <*interface*> has port: <*port*> of slot: <*slot*> which is set to host flow mode. This is not allowed with NAT overloaded dynamic which is used by global pool.

Explanation:

NAT overloaded dynamic does not allow host flow mode for the global pool using the named interface.

Recommended Action:

Remove host flow mode from the port.

%NAT-E-DYNPATMAL NAT_AllocatePat- malloc error

Explanation:

Internal error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*.

%NAT-E-FTPDYNOL NAT_AllocateFtpInfo - dynamic allocation error

Explanation:

Internal error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*.

%NAT-E-FTPINFOMAL NAT_AllocateFtpInfo - malloc error

Explanation:

Internal error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*.

%NAT-E-HWCOMP Slot: <*slot_number*> is not NAT compliant

Explanation:

The hardware detected for the slot is not NAT compliant. New hardware is required for NAT.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NAT-E-IFBOUND Could not get the modules for interface: <*interface_name*>

Explanation:

NAT could not get the modules attached to this interface.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NAT-E-IFHWCOMP Slot: <*slot_number*> of interface: <*interface_name*> is not NAT compliant

Explanation:

The slot of the interface has a line card which is not NAT compliant. New hardware is needed for NAT.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NAT-E-IFMAL NAT_InterfaceInfo - malloc error

Explanation:

Internal error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NAT-E-IFNMMAL NAT_InterfaceName - malloc error

Explanation:

Internal error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NAT-E-IFPRTDSTBASED The interface: <*interface_name*> has port: <*port_number*> of slot: <*slot_number*> which is set to destination based routing. This is not allowed with NAT

Explanation:

Destination based routing ports are not allowed with NAT.

Recommended Action:

Remove destination based routing from the port.

%NAT-E-IFPRTHSTMODE The interface: <*interface_name*> has port: <*port_number*> of slot: <*slot_number*> which is set to destination based routing. This is not allowed with NAT

Explanation:

Destination based routing ports are not allowed with NAT.

Recommended Action:

Remove destination based routing from the port.

%NAT-E-IFSETIN Interface: <*interface_name*> is already set to be NAT inside

Explanation:

The specified interface was previously defined as a NAT inside interface.

Recommended Action:

Specify a different interface, if necessary.

%NAT-E-IFSETOUT Interface: <*interface_name*> is already set to be NAT outside

Explanation:

The specified interface was previously defined as a NAT outside interface.

Recommended Action:

Specify a different interface, if necessary.

%NAT-E-IPADDRMSK Not a valid address (broad cast address

Explanation:

The specified address is not a valid IP address.

Recommended Action:

Specify a valid IP address.

%NAT-E-IPLIST Not a valid IP list

Explanation:

The specified list of IP addresses is not valid.

Recommended Action:

Specify a valid IP list.

%NAT-E-LCLACLNF Local acl set: <*acl*> not found

Explanation:

The ACL specified for the local address pool does not exist.

Recommended Action:

Specify a valid ACL.

%NAT-E-LCLACLPROTO Local ACL's protocol should be IP

Explanation:

The ACL specified for the local address pool is not an IP ACL.

Recommended Action:

Specify an IP ACL.

%NAT_E_MATCHIF NAT found that the local acl is defined previously without any matching interface. This is not allowed with NAT dynamic

Explanation:

You can specify multiple global pools for the same local-acl pool if you have more than one connection to the Internet on different interfaces. You must specify the interface to be used in all the commands that use that local-acl pool.

Recommended Action:

Specify a matching interface in all the configuration commands that use this local-acl pool.

%NAT-E-MAXGBL

Explanation:

With NAT dynamic, you can specify a maximum of 64K global addresses.

Recommended Action:

Specify no more than 65536 global addresses.

%NAT-E-MAXOVRGBL

Explanation:

With NAT dynamic overload, you can specify a maximum of 255 global addresses.

Recommended Action:

Specify no more than 255 global addresses.

%NAT-E-NOSUCHIF Invalid interface: *<interface_name>*

Explanation:

The specified interface does not exist.

Recommended Action:

Specify a valid interface.

%NAT-E-RESSEM NAT_ReleaseSemaphore - <*value*>

Explanation:

Internal error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NAT-E-SLOTEMP Slot: <*slot_number*> is empty

Explanation:

There is no line card in the slot.

Recommended Action:

Check the slot that you have specified.

%NAT-E-STGLBEXSITS A mapping for the global-ip already exists

Explanation:

The specified global address is already being used for a static address binding.

Recommended Action:

Specify a different global address for the static address binding.

%NAT-E-STLCLEXSITS A mapping for the local-ip already exists

Explanation:

The specified local address is already being used for a static address binding.

Recommended Action:

Specify a different local address for the static address binding.

%NAT-E-STLCLGBL IP address: <ip_address> found both in local and global

Explanation:

The same IP address is specified for both the local and global address binding.

Recommended Action:

Specify a different address for either the local or global address binding.

%NAT-E-STPRT Ports cannot be used with protocol ip

Explanation:

The local-port or global-port parameters can only be used if tcp or udp is specified for the protocol in this static address binding.

Recommended Action:

Specify either tcp or udp for the protocol for the static address binding.

%NAT-E-STRNG Range of local and global ip should be same

Explanation:

There are different numbers of IP addresses in the local and global ranges.

Recommended Action:

You need to give exactly the same number of IP addresses in the local and global ranges.

%NAT-E-STRNGMAX Range of local and global ip should be less than 5000

Explanation:

You cannot specify more than 5000 IP addresses in the range.

Recommended Action:

Reduce the range to 5000 or less.

35 NETSTAT MESSAGES

This chapter describes the messages for the Netstat facility.

35.1 ERROR MESSAGES

%NETSTAT-E-NLIST Unknown error during NLIST - please contact Technical Support

Explanation:

This message appears when an internal system error has occurred.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NETSTAT-E-NONLIST No NLIST found - please contact Technical Support

Explanation:

This message appears when an internal system error has occurred.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NETSTAT-E-RTDUMPALLOC Could not allocate <*number*> bytes for the route table dump

Explanation:

This message appears when an internal system error has occurred.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NETSTAT-E-RTDUMP Internal Error while dumping the route table dump

Explanation:

This message is displayed when an internal system error has occurred.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NETSTAT-E-RTDUMPALLOC Could not allocate %lu bytes for the route table dump

Explanation:

This message is displayed when an internal system error has occurred.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NETSTAT-E-RTDUMPSIZ Internal Error while estimating route table dump size

Explanation:

This message is displayed when an internal system error has occurred.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

36 NETWORK INTERFACE DRIVER MESSAGES

This chapter describes the messages for the Network Interface Driver facility.

36.1 ERROR MESSAGES

%NI-E-DIAGQ Couldn't create DIAGNOSTIC Queue, sts=0x<*hex_number*>, qptr=0x<*hex_number*>

Explanation:

This message appears when the system failed to allocate resources for a queue used in diagnostics.

Recommended Action:

Increase the control module memory. If problem persists, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NI-E-FBQ Couldn't initialize Free Buffer Queue

Explanation:

This message appears when the system could not properly initialize the free buffer queue.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

36.2 FATAL MESSAGES

%NI-F-BADPRIO bad priority '<*number*>' in request

Explanation:

This message appears when the Control Module encountered an unknown priority in one of the packets.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NI-F-FREEQFULL free buffer is unexpectedly full at priority '<*number*>'

Explanation:

This message appears when the network interface asic's (NIA) free buffer queue was corrupted.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%NI-F-HISRFAIL failed to create driver HISR, sts=0x<*hex_number*>

Explanation:

This message appears when the system failed to allocate resources for interrupt handling routines.

Recommended Action:

Increase Control Module memory. If problem persists, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*.

%NI-F-LISRFAIL failed to register driver LISR, sts=0x<*hex_number*>

Explanation:

This message appears when the system failed to allocate resources for interrupt handling routines.

Recommended Action:

Increase Control Module memory. If problem persists, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*.

%NI-F-NOSTKMEM not enough memory to allocate HISR stack

Explanation:

This message appears when the system failed to allocate resources for interrupt handling routines.

Recommended Action:

Increase Control Module memory. If problem persists, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*.

%NI-F-QSENDFAIL queue send failed, sts=0x<*hex_number*>

Explanation:

This message appears when the Control Module was unable to send another packet due to a problem with the NIA send queue.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

37 NTP MESSAGES

This chapter describes the messages for the NTP (Network Time Protocol) facility.

37.1 INFORMATIONAL MESSAGES

%NTP-I-TIMESYNC Time synchronized to <*time*>

Explanation:

This message appears when the router successfully synchronizes its clock with an NTP server when the user executes the **`ntp synchronize`** command.

Recommended Action:

Informational Message. No action necessary.

37.2 WARNING MESSAGES

%NTP-W-NOTIMEZONE Time will not be set until timezone is configured; use 'system set timezone' to configure

Explanation:

This warning message appears when the user attempts to configure an NTP server without first configuring the local timezone.

Recommended Action:

Configure the local timezone using the Configuration mode command **`system set timezone.`**

%NTP-W-UNKWNHOST Unknown host: <*hostname*>

Explanation:

This message appears when the router is unable to resolve the NTP server's hostname.

Recommended Action:

Check to make sure you typed in the correct NTP server name or DNS is configured correctly to resolve the name.

37.3 ERROR MESSAGES

%NTP-E-NORESPONSE No response from NTP server

Explanation:

The router is not getting a response from the NTP server to synchronize its clock.

Recommended Action:

Check to make sure the NTP server is reachable from the router.

%NTP-E-STRATUM Bad stratum <*number*>, NTP server not ready to synchronize

Explanation:

The router received an NTP response with a bad stratum. This usually means that the server is not ready to synchronize time with a client, for example, the NTP server just started or lost its connect with its peer or its next stratum NTP server.

Recommended Action:

If this error occurs because the NTP server just started, wait a few minutes for the NTP server to stabilize. The message should disappear once the NTP server is responding correctly.

%NTP-E-BADSRCIP No such interface address: <*ip-address*>

Explanation:

This message appears when the user specifies a source IP address for NTP requests that doesn't belong to any known interface address on the router. The source IP address for NTP is configured using the **`ntp set server source`** command.

Recommended Action:

Make sure the source IP address is one of the router's interfaces.

%NTP-E-NOTIMEZONE Timezone is not set; use 'system set timezone' to configure

Explanation:

This message appears when the router attempts to synchronize time with a NTP server but the local timezone information is not configured.

Recommended Action:

Configure the local timezone using the Configuration mode command **`system set timezone`**.

38 OSPF MESSAGES

This chapter describes the messages for the Open Shortest Path First (OSPF) facility.

38.1 INFORMATIONAL MESSAGES

%OSPF-I-RECFG Reconfiguring the router to restart OSPF.

Explanation:

This message informs the user that the router routing process is being reinitialized to reconfigure OSPF.

Recommended Action:

This message is merely information regarding the status of OSPF on the router. No action is required.

38.2 ERROR MESSAGES

%OSPF-E-AREAEXISTS Area <*area_name*> already exists.

Explanation:

An OSPF area was defined multiple times (e.g. “area backbone” and “area 0.0.0.0”)

Recommended Action:

Remove one of the extra area definitions.

%OSPF-E-AREANOTFOUND Area <*area_name*> is not a known area.

Explanation:

An OSPF command refers to an undefined area.

Recommended Action:

Modify the command so that it refers to an existing area, or create the undefined area.

%OSPF_E_AREAIFOVFL No memory for creating interface in area.

Explanation:

This error message is displayed when the command to add a OSPF interface failed due to a memory allocation error.

Recommended Action:

Try re-executing the command. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-AREAOVFL No more free areas max <*number*> current <*number*>

Explanation:

The maximum number of areas has been reached.

Recommended Action:

If possible, remove unused areas.

%OSPF-E-BACKBONENOTCFGNumber of areas (<*number*>) with valid config greater than 1 but there are no virtual links or backbone with valid configuration.

Explanation:

An OSPF virtual link has been configured. There must be at least 2 valid areas configured (backbone and one or more non-backbone areas).

Recommended Action:

Verify configuration of OSPF areas.

%OSPF-E-BBONEZEROINTFSZero interfaces (including virtual links) in backbone area.

Explanation:

No interfaces have been added into the backbone (0.0.0.0) area.

Recommended Action:

Add at least one interface to the backbone (0.0.0.0) area.

%OSPF-E-BIFOVFL No more free broadcast ifs (max <*number*>) in area <*number*>.

Explanation:

The maximum number of interfaces of type “broadcast” that can be added to an OSPF area has been reached.

Recommended Action:

If possible, remove unused interfaces.

%OSPF-E-DESTEXISTS Destination <*name*> exists.

Explanation:

This message appears when someone tries to add an OSPF-Monitor destination that already exists.

Recommended Action:

If you want to change the authentication key associated with an existing destination, then delete the existing destination and add the destination again with the new key.

If you want to query an OSPF router with a different authentication key, then simply specify the destination and authentication-key with the **`ospf-monitor`** command.

%OSPF-E-DESTMALLOC Malloc failed for dest <*name*>.

Explanation:

The OSPF monitor command failed due to a memory allocation error.

Recommended Action:

Try the command again. If the problem persists, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-EXIT OSPF task terminated at <*number*>

Explanation:

This error message appears when the router terminates an OSPF task and is unable to automatically rectify the problem through reinitialization/reconfiguration.

Recommended Action:

Ensure that the OSPF task in question is valid; that OSPF has been enabled for the router; and that the router has an appropriate router identification number.

%OSPF-E-FLTCHKFAIL Problem with LSA hash (id=0x<*hex_number*> hash=0x<*hex_number*>) at <*number*>.

Explanation:

This error message appears when an OSPF Link State Advertisement fails its checksum validation.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-HASHPROB Problem with LSA hash (id=0x<*hex_number*> hash=0x<*hex_number*>) at <*number*>.

Explanation:

This error message appears when the router experiences an internal error while computing the checksum for an OSPF Link State Advertisement.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-IFEXISTS Interface <*interface_name*> exists in area <*area_name*>.

Explanation:

An interface has been configured that already exists in the specified area.

Recommended Action:

Verify interface name and re-enter command.

%OSPF-E-IFNEXISTS <*interface_name*> is not a known OSPF interface.

Explanation:

An OSPF parameter has been configured for an interface that does not exist.

Recommended Action:

Verify interface name and re-enter command.

%OSPF-E-IFNOTFOUND <*interface_name*> is not a known interface in area <*area_name*>.

Explanation:

An OSPF parameter has been configured for an interface that does not exist.

Recommended Action:

Verify interface name and re-enter command.

%OSPF-E-IMPBBONEFAIL Failed to implicitly create the backbone area.

Explanation:

This error message appears when the router experiences an internal error while attempting to implicitly create a backbone area.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-INSUFFAREASFORVLINK Vlinks present. Number of areas (<*number*>) with valid configuration less than 2.

Explanation:

An OSPF virtual link has been configured. There must be at least 2 valid areas configured (backbone and one or more non-backbone areas).

Recommended Action:

Verify configuration of OSPF areas.

%OSPF-E-INVASTAG AS Path tag (<*number*>) greater than 4095. tag_value and as options ignored.

Explanation:

This message appears when a tag value is out-of-range. A tag value must be between 0 and 4095, inclusive.

Recommended Action:

Adjust the tag value.

%OSPF-E-INVBACKBONECFG Number of areas (<*number*>) with valid config greater than 1 but backbone has invalid configured.

Explanation:

There are 2 or more non-backbone areas configured. A valid backbone area is required.

Recommended Action:

Correct the configuration of the backbone area.

%OSPF-E-INVCFG OSPF cannot run because of invalid configuration.

Explanation:

This message appears when OSPF could not be started. A more detailed message is also displayed explaining the cause of the failure.

Recommended Action:

Refer to the more detailed message.

%OSPF-E-INVMD5KEY Invalid MD5 key <*key_name*> (len=<*number*>, max=<*number*>).

Explanation:

This message appears when the MD5 key assigned to one of the OSPF interfaces is invalid.

Recommended Action:

Make sure that the length of the key is within the valid range.

%OSPF-E-INVSIMPLEKEY Invalid simple key <*key_name*> (len=<*number*>, max=<*number*>).

Explanation:

This message appears when the simple key assigned to one of the OSPF interfaces is invalid.

Recommended Action:

Make sure that the length of the key is within the valid range.

%OSPF-E-INVTRANSAREA Transit area cannot be the backbone area.

Explanation:

An OSPF virtual link was misconfigured. The transit area defined is invalid (it cannot be the backbone area).

Recommended Action:

Select an area different from the backbone as the virtual link's transit-area.

%OSPF-E-MCASTFAIL Registration of address <*address*> failed for interface <*interface_name*>.

Explanation:

This error message appears when the router’s routing process fails to register addresses necessary for OSPF.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF_E_MCASTFAIL Registration of address <*IP address*> failed for interface <*name*>.

Explanation:

The error is displayed when the switch is unable to register a multicast group.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF_E_MD5KIDNOTSPEC MD5 key id not specified. Key id <*num*> used.

Explanation:

This error is displayed when the MD5 key ID to be used with OSPF interface is not specified. The system will select a value.

Recommended Action:

It is difficult to control which ID will be selected by the system. It is better to specify the key ID with interface configuration.

%OSPF-E-MD5NOTSUPP Authentication type MD5 not supported for OSPF.

Explanation:

This error message appears when the router attempts to perform authentication using MD5, but MD5 is not currently supported for OSPF.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-NBIFOVFL No more free nonbroadcast ifs (max <*number*>) in area <*number*>.

Explanation:

The maximum number of interfaces of type “non-broadcast” that can be added to an OSPF area has been reached.

Recommended Action:

If possible, remove unused interfaces.

%OSPF-E-NBMANBREXISTS NBMA Nbr <*NBMA_name*> already exists for interface <*interface_name*>.

Explanation:

Multiple instances of the same NBMA neighbor have been added to an interface.

Recommended Action:

Remove one of the duplicate NBMA neighbors.

%OSPF-E-NBMANBROVFLNo more free nbma nbrs (max <*number*> current <*number*>) in interface <*interface_name*>.

Explanation:

The maximum number of NBMA neighbors that can be added to an interface has been reached.

Recommended Action:

If possible, remove unused NBMA neighbors from the interface.

%OSPF-E-NBRNOTFOUND <*NBMA_name*> is not a known nbma neighbor for interface <*interface_name*>.

Explanation:

Attempting to remove an NBMA neighbor from an interface. However, there aren't any records of this particular neighbor.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-NETNOTFOUND <*network_name*> is not a known network in area <*area_name*>.

Explanation:

Trying to disassociate a network from an area. However, the area has no previous knowledge about this network.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-NETWKOVFL No more free networks max <*number*> current <*number*>

Explanation:

The maximum number of networks that can be added to an area has been reached.

Recommended Action:

If possible, remove unused networks.

%OSPF-E-NETWORKEXISTS Network <*network_name*> already exists in area <*number*>.

Explanation:

Multiple instances of the same network were added to an area.

Recommended Action:

Remove one of the duplicate **add network** commands.

%OSPF-E-NOAUTHTYPENo authentication-method specified for interface (<*name*>) or area (<*number*>). No authentication being used.

Explanation:

In the case of OSPF, the user has the choice of specifying the authentication-method (Simple, MD5, None) in one of the following ways:

- At the Area and Interface level.
- At the Area level but not at the Interface level.
- At the Interface level but not at the Area level.

If an authentication-method is *not* specified at either the Area Level or the Interface Level, and an authentication-key is specified, then this message is displayed. The router would proceed with the configuration as though the authentication were not needed.

Recommended Action:

If you want to have authentication, then an authentication-method needs to be specified in one of the ways mentioned above.

%OSPF-E-NOROUTERID Router ID is not defined.

Explanation:

This error message appears when the router attempts to use a router identification number that is undefined or otherwise invalid. Normally, the router will automatically derive the correct identification number from one of the IP addresses associated with an active network interface. If it is unable to do so, then this message will appear.

Recommended Action:

If no network interfaces are in an active state and the OSPF task exists, specify the router ID explicitly then resume normal operation.

%OSPF-E-NOSUCHTASK OSPF task does not exist.

Explanation:

This error message appears when the router encounters an OSPF task that is undefined.

Recommended Action:

Ensure that the OSPF task in question is valid; that OSPF has been enabled for the router; and that the router has an appropriate router identification number.

%OSPF-E-NOTSTUBBBONE Backbone cannot be a stub area. Stub option ignored.

Explanation:

This error message is displayed when the user attempts to set up the router as a stub area when it is already [part of] the backbone.

Recommended Action:

Ensure that you are specifying the correct stub attribute for the correct backbone area and re-enter the command(s) for the appropriate area.

%OSPF-E-NOVALIDAREA No OSPF Areas with valid configuration. Number of areas configured (<*number*>).

Explanation:

This message appears when the user could not start OSPF because all areas were misconfigured.

Recommended Action:

A more detailed error message is also displayed for each area's misconfiguration. Refer to the more detailed messages.

%OSPF-E-NUMOFAREAERR Number of areas is zero (max <*number*>).

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-NUMOFBIFERR Number of ifs mismatch (bcast <*number*> nbcast <*number*> tot <*number*>) in area <*area_number*>.

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-NUMOFIFERR Number of ifs mismatch (bcast <*number*> nbcast <*number*> tot <*number*>) in area <*area_number*>.

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-NUMOFNBIFERR Number of ifs mismatch (bcast <*number*> nbcast <*number*> tot <*number*>) in area <*area_number*>.

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-NUMOFNBRERR Numof NBMA nbr mismatch (max <*number*> cur <*number*>) for interface <*interface_name*>.

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-NUMOFNTWKERR Zero networks (max <*number*>) in area <*area_number*>.

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-NUMOFSHOSTERR Numof stub hosts mismatch (max <*number*> cur <*number*>) in area <*area_number*>

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-NUMOFVLINKERR Numof vlinks mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-OBJMISS OSPF object to be displayed must be specified.

Explanation:

Insufficient information provided while executing the **ospf show** CLI command.

Recommended Action:

Choose a valid option while executing the **ospf show option** command.

%OSPF_E_ONEKEYONLY Current MD5 implementation supports only one key. Key <name> is being used.

Explanation:

This message is displayed when multiple MD5 keys are encountered.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-RTRIDCHANGED Router ID changed.

Explanation:

This error message informs the user that the router identification number has changed. Normally, the router will automatically derive the correct identification number from one of the IP addresses associated with an active network interface. If it is unable to do so, then this message will appeear.

Recommended Action:

If no network interfaces are in an active state and the OSPF task exists, specify the router ID explicitly, then resume normal operation.

%OSPF_E_RTRIFOVFL No memory for creating interface.

Explanation:

This error message is displayed when the command to add a OSPF interface failed due to a memory allocation error.

Recommended Action:

Try re-executing the command. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-SHOSTEXISTS Stub host <*name*> already exists in area <*area_number*>.

Explanation:

Multiple instances of the same stub-host have been added to an area.

Recommended Action:

Remove one of the duplicate stub-host commands.

%OSPF-E-SHOSTNOTFOUND <stub-host_name> is not a known stub host in area <*area_name*>.

Explanation:

Attempting to remove a stub-host from an area. However, there aren't any records of the stub-host in this area.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-SHOSTOVFL No more free stub hosts (max <*number*> cur <*number*>) in area <*area_number*>

Explanation:

The maximum number of stub hosts that can be added to an area has been reached.

Recommended Action:

If possible, remove unused stub-hosts from the area.

%OSPF-E-TRANSAREANOTFOUND Transit area <*area_name*> is not a known area.

Explanation:

An OSPF virtual link was misconfigured. The transit area defined is invalid.

Recommended Action:

Select a valid transit-area when defining the virtual-link.

%OSPF-E-TSKDELETED OSPF Task is in deleted state (flags=0x%x)

Explanation:

This message is displayed when the user enters one of the OSPF show commands but the OSPF task is not running. The OSPF task may not be running because of one of the following reasons.

- OSPF is not enabled on the box.
- The OSPF configuration is invalid.
- Because the router-id was not explicitly specified, and there are no interfaces whose state is up.

Recommended Action:

Depending on the reason for the non-existence of the OSPF task, the user would have to rectify one of the three causes.

%OSPF-E-VLINKEXISTS VLink with nbr <*name*> trans_area <*area_name*> already exists (id <*name*>).

Explanation:

Multiple virtual links using the same transit-area and going to the same neighbor have been configured.

Recommended Action:

Remove one of the duplicate virtual links, or specify a different transit-area/neighbor.

%OSPF-E-VLINKIDEXISTS VLink with id <*name*> already exists (trans_area <*area_number*> nbr <*name*>).

Explanation:

Multiple virtual links using the same id have been created.

Recommended Action:

Use a unique id per virtual link.

%OSPF-E-VLINKNOTFOUND Virtual link with id <*name*> is not found.

Explanation:

The software component that manages OSPF area resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-VLINKOVFL No more free virtual links (max <*number*> cur <*number*>).

Explanation:

The maximum number of virtual links that can be configured has been reached.

Recommended Action:

If possible, remove unused virtual links.

%OSPF-E-ZEROAREAS No OSPF Areas configured.

Explanation:

This message appears when a user attempted to start OSPF without any configured areas.

Recommended Action:

Configure at least one OSPF area before starting.

%OSPF-E-ZEROINTFSNo interfaces configured in area (<*area_number*>). Area (<*area_number*>) ignored.

Explanation:

An OSPF area was defined, but there aren't any interfaces associated with it.

Recommended Action:

Remove unused OSPF area, or add interfaces to it.

%OSPF-E-NOMONAUTHTYPE <0> <0> No authentication-method specified for commands. No authentication being used.

Explanation:

There is a problem with authentication in monitor-OSPF commands.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%OSPF-E-ELIGNOTVALID %s is of type point-to-multipoint

Explanation:

You have specified the **`eligible`** option in your point-to-multipoint configuration.

Recommended Action:

Do not specify the eligible option.

%OSPF-E-ZEROROUTERID Router id cannot be specified to be zero

Explanation:

No router ID has been specified.

Recommended Action:

Specify a router ID.

38.3 FATAL ERRORS

%OSPF-F-IOCTL ioctl(<*number*>) failed, errno = <*number*>

Explanation:

System resources are limited and the OSPF request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

39 PACKET-OVER-SONET MESSAGES

This chapter describes the messages for the Packet-Over-Sonet facility.

39.1 INFORMATIONAL MESSAGES

%SONET-I-SONETAPS_SWITCH %s EVENT CAUSED AN APS SWITCH FROM %s TO %s

Explanation:

This is an informational message which is displayed when an external event causes the Automatic Protection Switching (APS) function to switch from the working port to the protection port.

Recommended Action:

None.

%SONET-I-SONETAPS_K1K2 K1 K2 Byte Change event received on %s

Explanation:

This is an informational message which is displayed when a K1-K2 byte change event is received on a POS port which has been configured with the Automatic Protection Switching (APS) function.

Recommended Action:

None.

39.2 WARNING MESSAGES

%SONET-W-GCASTRLSE Cannot release gcast entry %d

Explanation:

This message is displayed as a result of an internal error

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

39.3 ERROR MESSAGES

%SONET-E-APS_CFG_PRESENT Invalid port %s. This port is already configured as '%s'

Explanation:

This message is displayed when a command tries to configure a port as a protecting port, but the port has already been configured as an APS working port (or vice versa).

Recommended Action:

The command probably specified a different port than was intended. Please check the port being configured and make sure that it is one that was intended to be configured.

%SONET-E-APS_HIGHERPRIO Bridge request <*string*> was not executed. Higher Priority requests exists on port <*port*>

Explanation:

This error message is displayed when an attempt to execute an APS Bridge request on a port and the port already has a higher priority bridge request on it.

Recommended Action:

This may be a temporary condition. Retry.

%SONET-E-APS_INVALIDOPER Invalid bridge request'<*string*>' on port <*port_number*>

Explanation:

This error message is displayed when an attempt to execute an APS Bridge request on a port that was not configured for APS was made.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SONET-E-APS_INVALID_CFG Certain Sonet commands are already present on the Working port <*port*>. These commands are generally applicable only to the Protecting port. Negate the other commands or apply them to the Protecting port <*port*>.

Explanation:

This message is displayed when configuring APS. The port that is being configured as a Working port has conflicting commands in the config.

Recommended Action:

Negate those commands or reapply those commands to the Protecting port.

%SONET-E-APS_MISMATCH Unable to configure APS.

Explanation:

This message is displayed when configuring APS. The port being configured has some other command that has been applied. The Protecting port inherits the configurative values from the Working port.

Recommended Action:

Negate the commands that have been applied to the Protecting port and apply them on the Working port.

%SONET-E-APSPROTONLY This option requires a port that has been already configured as a Protecting port.

Explanation:

This message is displayed when a certain APS command has specified a port and the port is not already configured as a Protecting port.

Recommended Action:

Configure the port as a Protecting port or apply the command on a port that has been configured as a Protecting port.

%SONET-E-APS_SONET_PORT Invalid port %s. A Sonet port is needed for this option

Explanation:

This message appears when an attempt is made to configure APS on a port which does not support Automatic Protection Switching.

Recommended Action:

The command probably specified a different port than was intended. Please check the port being configured and make sure that it is of a type which supports APS (e.g. Packet Over SONET).

%SONET-E-APS_SINGLEPORT Option '%s' requires a single Sonet port

Explanation:

This message appears when multiple ports are specified as working or protecting ports.

Recommended Action:

For APS, only one port can be specified in a given command.

%SONET-E-APS_UNAVAILABLE Error initializing EPT table. APS on Sonet is disabled.

Explanation:

This message appears as a result of an internal error while configuring APS.

Recommended Action:

Please note the message and the actions performed to cause it, and contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SONET-E-PORTINVLAN Only ports belonging to the default vlan can be configured as Protecting port

Explanation:

An attempt was made to configure a port which does not belong to the default VLAN, as an APS protecting port.

Recommended Action:

Remove the port from the non-default VLAN(s) to which it belongs, and retry the command.

%SONET-E-SONET_NOMEM Not enough memory to allocate APS information block

Explanation:

This message appears when the system had run out of memory resources required by APS.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SONET-E-VALUE_TOO_LONG Value in CLI command is too long

Explanation:

The value specified for CIRCUIT ID is too long.

Recommended Action:

Specify a value of 64 characters or less.

%SONET-E-NOSONET SONET - ATM or POS - port not allowed for this command

Explanantion:

You cannot use a SONET port in this command.

Recommended Action:

Re-enter the command using a port that is not SONET.

%SONET-E-SONET_ONLY This command requires a SONET port - ATM or POS

Explanation

You must use a SONET port in this command.

Recommended Action:

Re-enter the command using a SONET port.

39.4 FATAL MESSAGES

%SONET-F-SONET_NOMEM Not enough memory to allocate APS information.

Explanation:

The router has run out of memory.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

40 PHY_POLL MESSAGES

This chapter describes the messages for the Phy_POLL facility.

40.1 FATAL MESSAGES

%PhyPOLL-F-TMRCREATFAIL timer creation failed with error '%d'

Explanation:

The timer creation failed.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PhyPOLL-F-TMRSTARTFAIL failed to start timer '0x%x', error '%d'

Explanation:

The indicated event failed to start the timer.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PhyPOLL-F-EVWAIT event wait failed with error '%d'

Explanation:

The specified event failed.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

41 PING MESSAGES

This chapter describes the messages for the Ping facility.

41.1 ERROR MESSAGES

%PING-E-BADVALUE invalid value (must be between <*number*> and <*number*>)

Explanation:

This message is displayed when the user specified a value that is out of range.

Recommended Action:

Type the value within the range specified in this error message.

%PING-E-FACADD error adding facility '<*name*>'

Explanation:

System resources are limited and the Ping system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PING-E-MINVALUE value must be <*min-_number*> or higher

Explanation:

This message is displayed when the user specifies a value that is too low.

Recommended Action:

Type the value within the range specified in this error message.

%PING-E-NOMEM processing error - insufficient memory

Explanation:

The router does not have enough memory to run ping. This could occur because the system has too much memory tied up in different protocols.

Recommended Action:

Free up some memory and retry the PING operation.

%PING-E-TOOSHORT packet too short (<*number*> bytes) from <*host_name*>

Explanation:

Ping packets returned by the remote host were too short.

Recommended Action:

Verify network connectivity and operation of the remote host.

%PING-E-UNKWNHOST unknown host <*host_name*>

Explanation:

This message is displayed when the IP address of a specified hostname could not be resolved.

Recommended Action:

Verify host name and re-enter command.

42 POLICY MESSAGES

This chapter describes the messages for the POLICY facility.

42.1 WARNING MESSAGES

%POLICY-W-PROTOMETIGN Invalid metric value (<*number*>) for <*address*> is ignored.

Explanation:

This message is displayed when the user specifies a metric for the export-source or filter that does not coincide with the given protocol. The metric assignment has been ignored.

Recommended Action:

If you desire a different behavior on the export-source or filter in question, re-enter the command with a metric that coincides with the given protocol.

42.2 ERROR MESSAGES

%POLICY-E-ASPATHALLOCFAIL Malloc failed for aspath.

Explanation:

This error message is displayed when the router routing process is unable to allocate the necessary memory for autonomous system path (Aspath) specification.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-ASPATHNULL AS Path is null.

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-ASPATHNONNULL AS Path is non null.

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-ATTRIBUTEEXISTS Attribute <*name*> exists in attribute list <*name*>.

Explanation:

An attribute of the same type and value already exists in the indicated Attribute List.

Recommended Action:

Delete the existing attribute entry from the indicated Attribute List and add the updated attribute entry.

%POLICY-E-ATTRIBUTEOVFL No more free attributes max <*number*> current <*number*> in list <*name*>

Explanation:

The maximum number of entries is already present in an attribute list.

Recommended Action:

Delete an existing attribute entry from the indicated Attribute List and add the new attribute entry.

%POLICY-E-ATTRLISTNOTFOUND Attribute list with id <*number*> not found.

Explanation:

A reference was made to a non-existent attribute list.

Recommended Action:

Create a new attribute list and add the needed entries into it.

%POLICY-E-ATTRLISTOVFL No more free attribute lists max <*number*> current <*number*>

Explanation:

Maximum number of attribute lists have already been created.

Recommended Action:

Delete an existing attribute list. Add the new attribute list.

%POLICY-E-ATTRLISTIDEXIST Attribute list <*name*> already exists.

Explanation:

An attempt was made to create an Attribute List with an identifier that is the same as an existing Attribute List.

Recommended Action:

Delete the existing attribute list or give the new attribute list a different identifier.

%POLICY-E-BGPEXPDSTEXIST: BGP Export destination %s and %s have identical contents

Explanation:

Two BGP Export destinations are of the same kind.

Recommended Action:

Use the previously defined BGP Export Destination.

%POLICY-E-EXPDSTIDEXIST Export destination <*name*> already exists.

Explanation:

Multiple export destination policies have been created, and at least 2 of them were assigned the same identifier.

Recommended Action:

Use a unique identifier for each export destination entry.

%POLICY-E-EXPDSTNOTFOUND Export destination <*name*> not found.

Explanation:

A routing policy command refers to an invalid (non-existent) export-destination identifier.

Recommended Action:

Select a valid identifier.

%POLICY-E-EXPDSTOVFL No more free export destinations max <*number*> current <*number*>

Explanation:

The maximum number of export-destination policy entries has been reached.

Recommended Action:

If possible, remove unused export-destination policy entries.

%POLICY-E-EXPPLCYINUSE Export policy at index (<*number*>) is in use.

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-EXPPOLICYOVFL No more free export policies (max <*number*> current <*number*>).

Explanation:

The maximum number of export policies has been reached.

Recommended Action:

If possible, remove unused export policy entries.

%POLICY-E-EXPSRCFLTROVFL No more free route filters for this exported source max <*number*> current <*number*>

Explanation:

The maximum number of route filters being exported from a single source (e.g. from RIP) has been reached.

Recommended Action:

If possible, remove unused route filters.

%POLICY-E-EXPSRCIDEXIST Export source <*name*> already exists.

Explanation:

Multiple export-source policies have been created, and at least 2 of them were assigned the same identifier.

Recommended Action:

Use a unique identifier for each export-source entry.

%POLICY-E-EXPSRCNOTFOUND Export source <*name*> not found.

Explanation:

A routing policy command refers to an invalid (non-existent) export-source identifier.

Recommended Action:

Select a valid identifier.

%POLICY-E-EXPSRCOVFL No more free export sources max <*number*> current <*number*>

Explanation:

The maximum number of export-source policy entries has been reached.

Recommended Action:

If possible, remove unused export-source policy entries.

%POLICY-E-FILTRDSRCOVFL No more free export-sources for this policy max <*number*> current <*number*>

Explanation:

The maximum number of export-source policy entries has been reached.

Recommended Action:

If possible, remove unused export-source policy entries.

%POLICY-E-FILTERIDEXIST Route Filter <*name*> already exists.

Explanation:

Multiple route filters using the same identifier have been configured.

Recommended Action:

Use a unique identifier per route filter entry.

%POLICY-E-FILTERNOTFOUND Filter with id <*name*> not found.

Explanation:

A routing policy command refers to an invalid (non-existent) filter identifier.

Recommended Action:

Select a valid filter identifier.

%POLICY-E-FILTEROVFL No more free filters max <*number*> current <*number*>

Explanation:

The maximum number of route filters that can be configured has been reached.

Recommended Action:

Add multiple routes/networks to a single filter. When the maximum number of routes that can be added to one filter is reached, then create a new filter and add new routes to the new filter.

%POLICY-E-FLTRDSRCINUSE Filtered source at index (<*number*>) within export policy (<*number*>) is in use.

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-IMPFLTERR Mismatch about number of implicit filters (max <*number*> cur <*number*>).

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-IMPFLTRERR Number of import filters mismatch (max <*number*> cur <*number*>).

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-IMPFLTINUSE Implicit filter at index (<*number*>) is in use.

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-IMPFLTRINUSE Source filter at index (<*number*>) for policy (<*number*>) is in use.

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-IMPFLTRNOTFOUND Implicit filter <*name*> not found

Explanation:

This error message is displayed when the user attempts to specify an implicit filter name that is unrecognizable or undefined.

Recommended Action:

Ensure that you are specifying the appropriate filter name and/or the syntax is correct.

%POLICY-E-IMPFLTROVFL No more free implicit filters max <*number*> current <*number*>

Explanation:

The maximum number of implicit filters that can be configured has been reached.

Recommended Action:

Add multiple routes/networks to a single filter. When the maximum number of routes that can be added to one filter is reached, then create a new implicit filter and add new routes to the new implicit filter.

%POLICY-E-IMPPLCYINUSE Import policy at index (<*number*>) is in use.

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-IMPPOLICYOVFL No more free import policies max <*number*> current <*number*>

Explanation:

The maximum number of import policies has been reached.

Recommended Action:

If possible, remove unused import policy entries.

%POLICY-E-IMPSRCFLTROVFL No more free route filters for this imported source max <*number*> current <*number*>.

Explanation:

The maximum number of route filters being imported from a single source (e.g., from RIP) has been reached.

Recommended Action:

If possible, remove unused route filters.

%POLICY-E-INVEXPPLCYIDX Invalid export policy index (max <*number*> index <*number*>).

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-IMPSRCIDEXIST Import source <*name*> already exists.

Explanation:

Multiple import sources have been created. At least two of them were assigned the same identifier.

Recommended Action:

Use a unique identifier when creating import sources.

%POLICY-E-IMPSRCNOTFOUND Import source <*name*> not found.

Explanation:

A routing policy command refers to an invalid (non-existent) import-source identifier.

Recommended Action:

Select a valid identifier.

%POLICY-E-IMPSRCOVFL No more free import sources max <*number*> current <*number*>.

Explanation:

The maximum number of import-source policy entries has been reached.

Recommended Action:

If possible, remove unused import-source policy entries.

%POLICY-E-INVPROTOMET: Invalid metric value used (%d) for %s

Explanation:

The value of metric used is beyond the bounds allowed by the protocol.

Recommended Action:

Use a metric value which is allowed by the protocol.

%POLICY-E-INVFLTRDSRCIDX Invalid filtered-source index (max <*number*> index <*number*>).

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-INVIMPFLTIDX Invalid implicit filter index (max <*number*> index <*number*>).

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-INVIMPFLTRIDX Invalid source-filter index (max <*number*> index <*number*>).

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-INVIMPPLCYIDX Invalid import policy index (max <*number*>index <*number*>).

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-INVSRCFLTRIDX Invalid source-filter index (max <*number*> index <*number*>).

Explanation:

The maximum number of route filters that can be configured has been reached.

Recommended Action:

Add multiple routes/networks to a single filter. When the maximum number of routes that can be added to one filter is reached, then create a new filter and add new routes to the new filter.

%POLICY-E-NETWKOVFL No more free networks max <*number*> current <*number*> in filter <*name*>

Explanation:

The maximum number of networks that can be added to a filter has been reached.

Recommended Action:

Create a new filter and then add the desired network to the new filter.

%POLICY-E-NETWORKEXISTS Network <*network_name*> exists in filter <*filter_name*>.

Explanation:

Multiple networks have been added to a filter. Some of the configured networks are duplicates.

Recommended Action:

Remove one of the duplicate networks.

%POLICY-E-NOASNUMEXPDST AS number required for exporting routes to BGP. Routes will not be exported to BGP.

Explanation:

This error message is displayed when the user attempts to export routes to BGP with an undefined or otherwise invalid AS number association.

Recommended Action:

Ensure that you have associated a valid AS number with the routes you wish to export to BGP, then try again.

%POLICY-E-NOASNUMEXPSRC AS number required for exporting BGP routes. BGP routes will not be exported.

Explanation:

This error message is displayed when the user attempts to export BGP routes with an undefined or otherwise invalid AS number association.

Recommended Action:

Ensure that you have associated a valid AS number with the BGP routes you wish to export, then try again.

%POLICY-E-NOTRSVDCOMM Community 0x<*hex_vlaue*> is not a reserved community.

Explanation:

Community attribute values in the ranges 0x0000FFFF-0x00000000 and 0xFFFFFFFF-0xFFFF0000 are reserved. Specified community is not a reserved community.

Recommended Action:

Enter a valid value for a reserved community.

%POLICY-E-NUMOFEXPDSTERR Numof export dests mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-NUMOFEXPPLCYERR Numof export policy mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-NUMOFEXPFLTERR Numof export filters mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-NUMOFEXPSRCERR Numof export sources mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-NUMOFFLTDSRCERR Numof filtered sources mismatch (max <*number*> cur <*number*>)

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-NUMOFIMPORTFLTERR Numof import filter mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-NUMOFIMPPLCYERR Numof import policy mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-NUMOFIMPSRCERR Numof import sources mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-NUMOFRTFLTERR Numof route filters mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages policy resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-OSPFEXPDSTEXIST: OSPF Export destination %s and %s have identical contents

Explanation:

Two OSPF Export destinations are of the same kind.

Recommended Action:

Use the previously defined OSPF Export Destination.

%POLICY-E-RSVDCOMMWKN Reserved community 0x<*hex_value*> is Well Known.

Explanation:

The reserved community value specified is well known.

Recommended Action:

Use the well-known community option to specify well-known communities.

%POLICY-E-SRCFLTRERR Number of source filters mismatch (max <*number*> cur <*number*>).

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-SRCFLTRINUSE Source filter at index (<*number*>) within source (<*number*>) for policy (<*number*>) is in use.

Explanation:

An internal error has occurred in the router routing process.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%POLICY-E-RIPEXPDSTEXIST: RIP Export destination %s and %s have identical contents

Explanation:

Two RIP Export destinations are of the same kind.

Recommended Action:

Use the previously defined RIP Export Destination.

42.3 FATAL ERRORS

%POLICY-F-IOCTL ioctl(<*number*>) failed, errno = <*number*>

Explanation:

System resources are limited and the Policy request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

43 PPP MESSAGES

This chapter describes the messages for the Point-to-Point Protocol (PPP) facility.

43.1 INFORMATIONAL MESSAGES

%PPP-I-PPPEVENT Port <*port*>: PPP event <*event-name*> for protocol <*protocol-name*>.

Example:

Port so.3.1: PPP event NETWORK LAYER UP for protocol IP

Explanation:

This is an informational message. It is displayed when the PPP protocol running on a POS port receives an event. For example, it is displayed when the PPP IPCP protocol layer receives the Network Layer Up event.

Recommended Action:

None

%PPP-I-DEBUGENABLED- PPP debug has been turned on|off on port <*port-name*>

Example:

PPP debug has been turned off on port so.4.2

Explanation:

This is an informational message. It is displayed when PPP debugging is enabled or disabled on POS port.

Recommended Action:

None.

43.2 ERROR MESSAGES

%PPP-E-NOPORTFORPROTO-Attempting to bring up <protocol-name> on port <port-number> which does not exist.

Explanation:

This error message is displayed when a PPP event is received on a port which has been removed from the system.

Recommended Action:

Note down the message and contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PPP-E-NOPORTFORPPP- Attempting to set up PPP on port <port-number> which does not exist.

Explanation:

This error message is displayed when the system attempts to initialize PPP on a port which has been removed on a system.

Recommended Action:

This message is not expected and is included as an extra precaution. Please note down the message and contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PPP-E-NOPORTFORINIT- PPP initialization failed on port <port-number> because the port does not exist.

Explanation:

This error message is displayed when the system attempts to initialize PPP on a port which has been removed on a system.

Recommended Action:

This message is not expected and is included as an extra precaution. Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PPP-E-NOPORTCONFIG- No PPP Port Configuration on port <*port-name*>

Explanation:

This error message is displayed when a PPP control packet is received on a port which is not configured for PPP.

Recommended Action:

Please note down the message and call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PPP-E-RCVDLOOPBACK-Received looped-back packet on port <port-name>

Explanation:

This error message is displayed when a loopback connection is detected on a POS port by the PPP protocol.

Recommended Action:

Please check the port for inadvertent loopback configuration.

%PPP-E-OUTOFBUFFERS- PPP could not allocate a network buffer

Explanation:

This error message is displayed when PPP fails to obtain a network buffer required by it to transmit a PPP packet.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PPP-E-NOMEM-Could not allocate memory while initializing PPP on port <*port-name*>

Example:

Could not allocate memory while initializing PPP on port so.5.1

Explanation:

PPP could not initialize a POS port due to insufficient memory.

Recommended Action:

Please note down the message and contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

% PPP-E-ALLOCFAILED-Could not allocate PPP structures for port <*port-name*>

Explanation:

PPP could not initialize a POS port due to insufficient memory.

Recommended Action:

Please note down the message and contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PPP-E-BINDFAILED-Could not bind PPP protocol to port <*port-name*>

Explanation:

PPP failed to bind the PPP protocol to a POS port, due to an internal error.

Recommended Action:

Please note the message and contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PPP-E-QSENDFAILED- Failed to send message to PPP queue. Reason: <*code in hexadecimal*>

Explanation:

This error message represents an internal error in PPP processing.

Recommended Action:

Please note the message and contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PPP-E-QFULL-Failed to send message to PPP queue. Reason: queue full.

Explanation:

This error message represents an internal error in PPP processing.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PPP-E-OUTOFTXBUFFERS PPP could not allocate a transmit network buffer

Explanation:

You have run out of memory space in the transmit buffer.

Recommended Action:

Hot swap the line card, then contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%PPP-E-OUTOFRXBUFFERS PPP could not allocate a transmit network buffer

Explanation:

You have run out of memory space in the receive buffer.

Recommended Action:

Hot swap the line card, then contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

44 PTY MESSAGES

This chapter describes the messages for the PTY facility.

44.1 WARNING MESSAGES

%PTY-W-OVERFLOW pty ring overflowed while interrupts were disabled

Explanation:

Output was lost because interrupts were disabled.

Recommended Action:

Enable interrupts.

44.2 FATAL MESSAGES

%PTY-F-EVGCREAT failed to create driver event group, sts=0x%x

Explanation:

Memory resources unavailable.

Recommended Action:

Release memory resources.

%PTY-F-NOSTKMEM not enough memory to allocate stack

Explanation:

Memory resources unavailable.

Recommended Action:

Release memory resources.

%PTY-F-NOBUFMEM not enough memory to allocate typeahead buffer

Explanation:

Memory resources unavailable.

Recommended Action:

Release memory resources.

%PTY-F-HISRFAIL failed to create driver HISR, sts=0x%x

Explanation:

Memory resources unavailable.

Recommended Action:

Release memory resources.

%PTY-F-LISRFAIL failed to register driver LISR, sts=0x%x

Explanation:

Memory resources unavailable.

Recommended Action:

Release memory resources.

%PTY-F-EVGSET failed to set events, sts=0x%x

Explanation:

Memory resources unavailable.

Recommended Action:

Release memory resources.

%PTY-F-EVGGET failed to get events, sts=0x%x

Explanation:

Memory resources unavailable.

Recommended Action:

Release memory resources.

%PTY-F-SIGSEND failed to send signal, sts=0x%x

Explanation:

Memory resources unavailable.

Recommended Action:

Release memory resources.

%PTY-F-RINGGONE ring buffer vanished

Explanation:

Memory resources unavailable.

Recommended Action:

Release memory resources.

45 QOS MESSAGES

This chapter describes the messages for the Quality of Service (QOS) facility.

45.1 INFORMATIONAL MESSAGES

%QOS-I-MATCHINGENTRY Matching entry with equal priority exists

Explanation:

This message appears when a matching flow exists with the same priority.

Recommended Action:

Informational Message. No action necessary.

%QOS-I-NOENTRY Entry does not exist

Explanation:

This message appears when a matching flow does not exist.

Recommended Action:

Informational Message. No action necessary.

%QOS-I-NOOP No action taken.

Explanation:

This message appears when no action was taken.

Recommended Action:

Informational Message. No action necessary.

%QOS-I-PRECENDENCEDEFAULT Precedence fields set to default

Explanation:

Precedence fields set to default settings profile.

Recommended Action:

None.

%QOS-I-NO1P2TOS 1P to ToS overwrite is not applied on: %s

Explanation:

A 1P to Tos mapping is not applied to the port or interface indicated by %s.

Recommended Action:

This message is informational and no action is required.

%QOS-I-1P2TOS 1P to ToS overwrite is now applied on: %s

Explanation:

A 1P toToS mapping is applied to a port or interface indicated by %s.

Recommended Action:

This message is informational and no action is required.

%QOS-I-TOS2ONEP ToS to 1P overwrite is now applied on: %s

Explanation:

A ToS to 1P mapping is applied to the port or interface indicated by %s.

Recommended Action:

This message is informational and no action is required.

%QOS-I-NOTOS2ONEP ToS to 1P overwrite is not applied on: %s

Explanation:

A ToS to 1P mapping is not applied to the port or interface indicated by %s.

Recommended Action:

This message is informational and no action is required.

45.2 WARNING MESSAGES

%QOS-W-VCNOTALLOWED VC is not allowed on this command

Explanation:

You cannot specify a VC when specifying a WAN port for this command.

Recommended Action:

Specify a WAN port without any VCs.

%QOS-W-IPONLY IP ACLs only can be used to qualify the IP flows -- ignoring ‘%s’

Explanation:

The application (port mirroring, caching, policy, rate limiting, etc.) is available only to IP-ACLs.

Recommended Action:

Use IP ACLs only.

45.3 ERROR MESSAGES

%QOS-E-BWALREADYSETThe bandwidth has already been set for port <*port*>. Delete the earlier setting before assigning new values.

Explanation:

This message appears when the user attempts to specify bandwidth requirements on a port where the bandwidth has already been set.

Recommended Action:

Remove the previous bandwidth settings before specifying the new ones.

%QOS-E-DSTNETWORKNOTSPCFYDSpecify a destination network for the destination mask

Explanation:

This message appears when a destination network was not specified for the destination mask to apply.

Recommended Action:

Specify a destination network for the destination mask.

%QOS-E-IFNOTFOUND <*interface_name*>: no such interface

Explanation:

This message appears when the specified interface does not exist.

Recommended Action:

Create the interface before specifying it.

%QOS-E-NEGATEBWALLOC Negate the line QOS set weighted-fair control <*number*> high <*number*> medium <*number*> low <*number*> for port <*port*> before negating this line.

Explanation:

The command line **`QOS set queueing-policy weighted-fair`** cannot be negated.

Recommended Action:

Negate the line **`QOS set weighted-fair control <number> high <number> medium <number> low <number>`** before negating the line **`QOS set queueing-policy weighted-fair`**.

%QOS-E-NOTANIPINTF Not an IP interface

Explanation:

The interface specified for the QOS IP flow is not an IP interface.

Recommended Action:

Specify an IP interface for the QOS IP flow.

%QOS-E-NOMEM processing error - insufficient memory

Explanation:

This message appears when QOS is unable to allocate memory.

Recommended Action:

Try deleting old flows before trying to create new ones.

%QOS-E-NOTANIPXINTF Not an IPX interface

Explanation:

The interface specified for the QOS IPX flow is not an IPX interface.

Recommended Action:

Specify an IPX interface for the QOS IPX flow.

%QOS-E-NOTINL4BDGVLAN Port <*port_name*> does not belong to an L4 bridged VLAN. Cannot apply QOS to it.

Explanation:

The indicated port is not a member of a Layer 4 bridging VLAN.

Recommended Action:

Remove the port from the port list.

%QOS-E-SPCFYFLOWFIELDS Specify flow fields

Explanation:

This message appears when no flow fields were specified.

Recommended Action:

Specify at least one flow field.

%QOS-E-SRCNETWORKNOTSPCFYDSpecify a source network for the source mask

Explanation:

This message appears when a source network was not specified for the source mask to apply.

Recommended Action:

Specify a source network for the source mask.

%QOS-E-WFQNOTENABLED Weighted Fair Queuing policy not enabled on port <*port*>

Explanation:

This message appears when the Weighted Fair Queuing policy was not enabled on the specified port.

Recommended Action:

Enable the Weighted Fair Queuing policy before setting bandwidth.

%QOS-E-WFQVALUESINCORRECTWeighted Fair Queuing bandwidth allocation values incorrect

Explanation:

This message appears when the Weighted Fair Queuing bandwidth allocation values are incorrect.

Recommended Action:

The bandwidth allocation for the control, high, medium, and low queues should total 100.

%QOS-E-WRONGPRIOVALUE 1Q priority cannot be applied to interface

Explanation:

This message appears when an invalid 802.1q priority is specified using the CLI.

Recommended Action:

Correct the CLI-specified priority value.

%QOS-E-VCNOTALLOWED VC is not allowed on this command

Explanation:

You cannot specify a VC when specifying a WAN port for this command.

Recommended Action:

Specify a WAN port without any VCs.

%QOS-E-NOREDSUPPORT RED is not supported on any of the ports

Explanation:

RED is not supported on the port.

Recommended Action:

Get hardware that supports RED.

%QOS-E-IPDSTMODEON IP destination based mode is on, qos profiles will not be set

Explanation:

IP destination based mode is on, QOS profile will not be set. This is because source ip address or sockets are specified in the QOS profile.

Recommended Action:

Specify a QOS profile without sockets and source ip address.

%QOS-E-IPHOSTFLOWMODEON IP host flow based mode is on, qos profiles will not be set

Explanation:

IP host flow based mode is on, QOS profile will not be set. This is because sockets are specified in the QOS profile.

Recommended Action:

Specific a QOS profile without sockets.

%QOS-E-IPXDSTMODEON IPX destination based mode is on, qos profiles will not be set

Explanation:

IPX destination based mode is on, QOS profile will not be set. This is because source socket or source network is specified in the QOS profile.

Recommended Action:

Specify a QOS profile without sockets and source network address.

%QOS-E-NOTIPVLAN Port '%s' does not belong to an IP vlan

Explanation:

Port is not a member of an IP vlan, but is specified as a part of an IP QOS profile.

Recommended Action:

Add the port to an IP vlan.

%QOS-E-NOTIPXVLAN Port '%s' does not belong to an IPX vlan

Explanation:

Port is not a member of an IPX vlan, but is specified as a part of an IPX QOS profile.

Recommended Action:

Add the port to an IPX vlan.

%QOS-E-FLOWEXISTS Another policy with same flow specifications already exists

Explanation:

Another policy with the same flow specification exists

Recommended Action:

None

%QOS-E-INCOMPATIF-The the custom forwarding mode of the port et.1.1 is incompatible with the QOS profile set on the interface st-if
%QOS-E-INCOMPATCUST-The the custom forwarding mode of the port et.2.2 is incompatible with the QOS profile.

Explanation:

The QOS set on the interface is incompatible with the custom forwarding profile on the port. .

Recommended Action:

This would be because some fields that are wildcarded by the profile are needed by the QOS. Specify the fields as required by the QOS.

%QOS-E-INCOMPATGLOB-The the custom forwarding mode of the port et.1.1 is incompatible with the global QOS profile set.

Explanation:

The global QOS is incompatible with the custom forwarding profile on the port.

Recommended Action:

This would be because some fields that are wildcarded by the profile are needed by the QOS. Specify the fields as required by the QOS.

%QOS-E-INCOMPATCHAN-The the custom forwarding mode of the slot <slot> is incompatible with the QOS profile.

Explanation

This error occurs when a global QOS profile is set. A check is made to see if there is any slot with which the global QOS conflicts. If it is found the above error is reported.

Recommended Action:

Adjust the slot configuration to be compatible with the QOS profile.

%QOS-E-HSTMODE One of the ACLs has src socket or dst socket specified and %s has a port in Host Flow Mode.

Explanation

The user is attempting to set up an IP internal priority which conflicts with this flow mode.

Recommended Action:

Remove the port from the host flow mode. Retry setting up the priority.

%QOS-E-DSTMODE One of the ACLs has src socket, dst socket or source address specified and %s has a port in Destination Flow Mode.

Explanation

The user is attempting to set up an IP internal priority which conflicts with this flow mode.

Recommended Action:

Remove the port from the destination flow mode. Retry setting up the priority.

%QOS-E-UNKNOWNMODE Interface %s has a port in Unknown Flow Mode.

Explanation

The user is attempting to set up an IP internal priority which conflicts with this flow mode.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%QOS-E-TOOMANYACLS Too many ACLs specified.

Explanation

The user is exceeding the maximum number of allowed ACLs.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%QOS-E-ACLNOTFOUND Rule ‘%s’ not present.

Explanation

The user specified an ACL that does not exist.

Recommended Action:

Create an IP ACL before applying the rule.

%QOS-E-IFSNOTFOUND None of the interfaces specified exists.

Explanation

No interfaces exist.

Recommended Action:

Create an interface.

46 RARPD MESSAGES

This chapter describes the messages for the RARPD facility.

46.1 INFORMATIONAL MESSAGES

%ARAPD-I-MAPNOTFOUND No mapping found for: <*hardware_address*>:<*IP_address*>

Explanation:

An RARP request came to the router and no mapping was found that mapped the hardware address to an IP address.

Recommended Action:

None.

%ARAPD-I-REPLY Reply sent on interface: %s, to %02X%02X%02X:%02X%02X%02X, IP address: %s, server-ip: %d.%d.%d.%d

Explanation:

This message appears when the router replies to an RARP request, for example when it found a mapping and sent a reply.

Recommended Action:

None.

46.2 WARNING MESSAGES

%ARAPD-W-IFNOTENABLED rarp request received from %02X%02X%02X:%02X%02X%02X on non-RARPD enable interface: %s

Explanation:

An RARP request was received by the router on an interface in which RARPD is not enabled.

Recommended Action:

Enable RARP on the specific IP interfaces or all IP interfaces as part of the configuration.

%ARAPD-W-BADETHERSMAC Bad mac address entry in ethers file: %s

Explanation:

If an ethers file exists on the boot flash, RARPD will read it. The ethers file consists of hardware address to ip-address mappings. If there is a bad hardware address, for example the format of it is wrong, this message is displayed.

Recommended Action:

Make sure the ethers file is correct.

%ARAPD-W-BADETHERSIP Bad ip address entry in ethers file: %

Explanation:

If an ethers file exists on the boot flash, RARPD will read it. The eithers file consists of hardware address to ip-mappings. If there is a bad IP address, for example the format of it is wrong, this message is displayed.

Recommended Action:

Make sure the ethers file is correct.

46.3 ERROR MESSAGES

%ARAPD-E-NOMEM Unable to add new mapping. Not enough memory.

Explanation:

This error message is displayed when the user is trying to add an RARP mapping via the CLI and/or the ethers file and there isn't any memory left on the router.

Recommended Action:

Release memory used by other facilities where possible.

%ARAPD-E-IFNOTFOUND Interface not found or not IP interface.

Explanation:

This error message is displayed when, the user is trying to set RARPD on an IP interface and the interface either doesn't exist, or it is not an IP interface. RARP operates on IP interfaces only.

Recommended Action:

Verify that the interface being set is an IP interface.

%ARAPD-E-SANITYCHK Failed rarp sanity check.

Explanation:

This error message is displayed when there is an error in the original RARP packet.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

47 RATE LIMIT MESSAGES

This chapter describes the messages for the **`rate-limit`** facility.

47.1 INFORMATIONAL MESSAGES

%RL-I-CHANGEDTOFLOW

Explanation:

The rate limiting mode on the specified slot has been changed to per-flow rate limiting.

Recommended Action:

Informational message. No action required.

%RL-I-CHANGEDTOLINK

Explanation:

The rate limiting mode on the specified slot has been changed to aggregate rate limiting.

Recommended Action:

Informational message. No action required.

%RL-I-CREATED Rate limit policy <*name*> has been successfully created for ACL(s) <*acl list*>

Explanation:

A rate limit policy has been created for the specified ACL.

Recommended Action:

Informational message. No action required.

%RL-I-DELETED Rate limit policy <*name*> has been successfully deleted for ACL(s) <*acl list*>

Explanation:

The specified rate limiting policy <name> has been deleted for the ACL specified by <acl list>.

Recommended Action:

Informational message. No action required.

%RL-I-INTERFACE Rate limit policy <*name*> has been successfully attached to/attached from <*interface*> interface

Explanation:

A rate limiting policy has been applied to the interface specified in <interface>.

Recommended Action:

Informational message. No action required.

%RL-I-LL_CREATED Port level rate limit policy '%s' has been successfully created.

Explanation:

A port-level rate limiting policy has been created.

Recommended Action:

Informational message. No action required.

%RL-I-LL_DELETED Port level rate limit policy ’%s’ has been successfully deleted.

Explanation:

A port-level rate limiting policy has been deleted.

Recommended Action:

Informational message. No action required.

%RL-I-NOALL No Rate limit policy applied to all IP interfaces

Explanation:

No rate limiting policies are applied to any IP interfaces.

Recommended Action:

Informational message. No action required.

%RL-I-NOTAPARENT <0> <1> Port ’%s’ can not be a parent. Only aggregate and input link level policies can be parents.

Explanation:

You have tried to specify port <%s> as a parent. Only aggregate and input port-level ports can be parents and port <%s> is not an aggregate or input port-level port.

Recommended Action:

Informational message. No action required.

%RL-I-NOTLINKLEVEL Policy '%s' is not a port level.

Explanation:

The policy you are trying to apply is not a port-level policy.

Recommended Action:

Informational message. No action required.

%RL-I-PORTLEVELDISABLED

Explanation:

Input port-level rate limiting has been disabled on the slots specified.

Recommended Action:

Informational message. No action required.

%RL-I-PORTLEVELENABLED

Explanation:

Input port-level rate limiting has been enabled on the slots specified.

Recommended Action:

Informational message. No action required.

47.2 WARNING MESSAGES

%RL-W-INVLD_IPADDR Invalid IP address <*address*> specified, ignoring.

Explanation:

An invalid IP address has been specified.

Recommended Action:

Specify a valid IP address.

%RL-W-IPONLY Rate limit policy can be applied to IP ACLs only -- ignoring <*acl list*>.

Explanation:

One or more specified ACLs are not IP ACLs.

Recommended Action:

Specify an IP ACL.

%RL-W-NOAGGRSUPPORT

Explanation:

The specified modules do not support aggregate rate limiting.

Recommended Action:

Install or enable a module that supports aggregate rate limiting.

47.3 ERROR MESSAGES

%RL-E-ACLNOTFOUND Rule <*acl*> not present.

Explanation:

The specified ACL was not found.

Recommended Action:

Check the ACL name and ensure that it exists.

%RL-E-ALREADY_APPLIED The policy is already applied to the interface.

Explanation:

The rate limiting policy has already been applied to the specified interface.

Recommended Action:

Apply another rate limiting policy to the interface or apply the rate limitng policy to another interface.

%RL-E-ALREADY_APPLIED_PORT

Explanation:

The specified rate limiting policy has been already applied on the port. The same rate limiting policy can not be applied on a port more than once.

Recommended Action:

Select another port.

%RL-E-ALREADYINAGGRMODE Modules '%s' are already in 'Aggregate' mode. Ignoring all.

Explanation:

Aggregate rate limiting has been applied to a module that is already in the aggregate rate limiting mode.

Recommended Action:

Select another module.

%RL-E-APPLIED Rate limit policy has other commands attached -- negate these commands first.

Explanation:

The rate limit policy that is being negated is being used in other commands. This policy can not be negated before the other applied commands.

Recommended Action:

Negate the other commands that are using this policy.

%RL-E-APS_PROTECTION.

Explanation:

Port-level rate limiting policies can not be applied to ports that are APS protecting ports.

Recommended Action:

Apply the rate limiting to ports are not APS protecting ports.

%RL-E-BKTA_INUSE

Explanation:

Input port-level rate limiting is disabled and you are trying to enable it by negating the disable command. The error displays because all buckets are being used by some aggregate rate limiting policies.

Recommended Action:

Negate some apply commands for rate limiting policies currently applied.

%RL-E-BKTUSED All resources (bucket) required by the policy <name> are in use.

Explanation:

Resources needed for the aggregate or default rate limiting policy are already used by another rate limiting policy.

Recommended Action:

Determine if the maximum number of policies used has been reached. If it has, negate some policy apply commands. If it has not, contact technical support.

%RL-E-CHILDEXISTS One or more children of this policy exist.

Explanation:

The rate limiting policy that is being deleted already has a child. All of the child policies have to be deleted before the parent policy can be deleted.

Recommended Action:

Delete all the child policies.

%RL-E-CHILDRATE_ERR Incorrect rate. It should be less than or equal to parent's rate minus the sum of all peer's rate.

Explanation:

A child policy is being created with a rate limit that is greater than the parent's rate minus the sum of all the peer rates. The sum of the rates of all the children should be less than or equal to the parent's rate.

Recommended Action:

Make the rate of the policy being created less than or equal to the parent's rate minus the sum of all the peer rates.

%RL-E-HASAPARENT This policy already has <*name*> as a parent.

Explanation:

The flow-level rate limit policy that is being assigned a parent already has a parent. A policy can have only one parent.

Recommended Action:

Do not assign a parent to this flow-level policy.

%RL-E-INAGGRMODE Cannot change rate limiting mode to 'Per Flow' (default mode) as there are Input Port Level policies or Aggregate rate limiting policies attached to interface on modules '%s'. Please delete them before changing the mode

Explanation:

The rate limiting mode can not be changed to per-flow on specified module either because there are some input port-level policies configured on this module or there are aggregate rate limiting policies applied to some of the port's interfaces. Per-flow and aggregate rate limiting do not work together.

Recommended Action:

Delete all input port-level policies and all aggregate rate limiting policies.

%RL-E-INFLOWMODE Cannot change rate limiting mode to 'Aggregate' as there are Per Flow rate limiting policies attached to interface on modules <*name*>. Please detach them before changing the mode.

Explanation:

The rate limiting mode can not be changed to aggregate rate limiting for the specified modules because per-flow rate limiting has been enabled on the interfaces.

Recommended Action:

Disable per-flow rate limiting before enabling aggregate rate limiting.

%RL-E-INLINKMODE Cannot change rate limiting mode to ’Per Flow’ (default mode) as there are Input Port Level or Aggregate rate limiting policies configured. Please delete them before changing the mode.

Explanation:

The line card is currently configured with input port-level or aggregate rate limiting policies. Configuring the card with per-flow rate limiting can not be done. Before changing the mode, all the policies in current mode should be deleted.

Recommended Action:

Delete all aggregate and input port-level rate limiting policies before changing the rate limiting mode to per-flow.

%RL-E-INTF_ERROR Please check that interface <name> is working correctly

Explanation:

The interface on which the rate limiting policy is being applied is not working properly.

Recommended Action:

Ensure that the interface on which this policy is being applied is up and working properly.

%RL-E-LEVEL_ERR Parent policy for default policy should be at level 1

Explanation:

A default policy is being created with a parent policy that is not level 1. Only policies that are level 1 or root can be the parent of a default policy.

Recommended Action:

Ensure that the parent policy of this default policy is a level 1 or root policy.

%RL-E-LL_EXISTS Rate limit policy <name> already exists

Explanation:

The rate limiting policy being created is using a name that is already in use.

Recommended Action:

Select a name that is not being used.

%RL-E-MORECHAN Aggregate or Default rate limit policy can not be applied on interface that spans across multiple channels.

Explanation:

Aggregate and default rate limit policies can not be applied to interfaces that are configured on VLANs or ports that are on more than one slot.

Recommended Action:

Ensure that the interface on which the policy is being applied is configured on a VLAN or port that is on the same slot.

%RL-E-NOAGGRAPPLY Aggregate rate limiting policy can not be applied to all interfaces.

Explanation:

Aggregate rate limiting policies can not be applied on all IP interfaces. It can only be applied to a specific IP interfaces.

Recommended Action:

Ensure that an aggregate rate limiting policy is not being to all IP interfaces.

%RL-E-NOAGGRONPORT

Explanation:

The module to which the port belongs does not support aggregate rate limiting.

Recommended Action:

Enable aggregate rate limiting on a module that supports aggregate rate limiting.

%RL-E-NO_AGGR_ON_TRUNK

Explanation:

Aggregate rate limiting does not work on 802.1Q trunk ports.

Recommended Action:

Ensure that the interface on which policy is applied is not and 802.1Q trunk ports.

%RL-E-NOAGGRPARENT One of the parents is aggregate rate limiting policy and can not be applied to all interfaces.

Explanation:

A parent of the policy being applied to all interfaces is an aggregate rate limiting policy. It can not be applied to all interfaces. Aggregate policies can not be applied to all interfaces.

Recommended Action:

Apply another policy.

%RL-E-NODEFAPPLY Default rate limiting policies can not be applied to all interfaces.

Explanation:

A default rate limiting policy can not be applied to all IP interfaces.It can be applied to only a specific IP interface.

Recommended Action:

Make sure that you are not applying a default rate limiting policy to all IP interfaces.

%RL-E-NOINTF No interfaces exist.

Explanation:

There are no IP interfaces configured on the system.

Recommended Action:

When a rate limit policy is applied to **all** interfaces, make sure that at least one IP interface exists.

%RL-E-NOMEM Processing error -- out of memory <*string*>

Explanation:

The system is out of memory.

Recommended Action:

Expand existing memory and try again. If the problem persists, contact technical support.

%RL-E-NONIPIF Cannot apply rate limit policy to non IP interface <*name*>

Explanation:

The interface to which the rate limit policy is being applied is a non-IP interface.

Recommended Action:

Apply the rate limit policy to an IP interface.

%RL-E-NOPARENT No parent to take remaining rate from

Explanation:

A default rate limiting policy is being created without a parent. Default policies need to have parents to borrow the remaining rate from.

Recommended Action:

Specify a parent policy for the default policy being created.

%RL-E-PARENT_MORECHAN One of the parents can not be applied on interface that spans across multiple channels.

Explanation:

A rate limit policy, whose parent is an aggregate or default policy is being applied to an interface that is configured on a VLAN or port that belongs to more than one slot. Aggregate and default rate limit policies can not be applied to interfaces that are configured on VLANs or ports that are on different slots.

Recommended Action:

Ensure that if one of the parents of this policy is an aggregate or default policy, then the interface to which this policy is being applied is not configured on VLANs or ports that belong to different slots.

%RL-E-NOPOLICY No rate limit policy applied to interface <*name*>.

Explanation:

You are requesting a display of all applied policies on a particular interface and there are no policies applied on that interface.

Recommended Action:

Informational message. No action required.

%RL-E-NOPORTINFO No information for interface <*name*>.

Explanation:

There is no information available for the specified interface.

Recommended Action:

Ensure that the interface exists.

%RL-E-NOSUCHIF Interface <*name*> does not exist.

Explanation:

The specified interface does not exist.

Recommended Action:

Check the interface name.

%RL-E-NOSUCHRULE Could not find rate limit policy <*name*>.

Explanation:

The specified rate limit policy does not exist.

Recommended Action:

Ensure that the rate limit policy name is the right name.

%RL-E-NOTAGGRORFLOW Policy <*name*> is not an aggregate or a flow or a default policy.

Explanation:

The rate limiting policy that is being applied to the interface is not an aggregate, flow, or default policy. Only these type of policies can be applied to the interface.

Recommended Action:

Ensure that the policy being applied to the interface is one of the above types.

%RL-E-NOTAPARENT Policy <*name*> can not be a parent. Only aggregate and input link level policies can be parents.

Explanation:

In hierarchical rate limiting, policies must be either aggregate policies or input-link level policies to become a parent.

Recommended Action:

Ensure that policy specified as parent is either aggregate or input-link.

%RL-E-NOTINAGGRMODE Modules on which Interface/Ports '%s' exist(s) are not in 'Aggregate' Rate Limiting mode. To change the mode use 'system enable aggregate-rate-limiting' command

Explanation:

You are trying to apply an aggregate, burst-safe, or port level policy on a port or interface that is not aggregate rate limit enabled.

Recommended Action:

Enable aggregate rate limiting on the modules on which the interface exists. Use the command **`system enable aggregate-rate-limiting`**.

%RL-E-NOTALLINFLOWMODE:

Explanation:

All the modules in the system are not in the per-flow rate limiting mode. In order to apply per-flow rate limiting to the interfaces, all the modules should be in per-flow mode.

Recommended Action:

Ensure that all the modules are in the per-flow rate limiting mode. The rate limiting mode can be changed on a slot by using the **`system enable aggregate-rate-limiting`** command.

%RL-E-NOTINFLOWMODE Modules on which Interface exists are not in 'Per Flow' Rate Limiting mode. To change the mode negate 'system enable aggregate-rate-limiting' command

Explanation:

All the modules are not in per-flow rate limiting mode. This policy can not be applied to interfaces which are enabled for aggregate rate limiting. Per-flow rate limiting and aggregate rate limiting will not work on the same interface.

Recommended Action:

Negate the **system enable aggregate rate-limiting** command on the modules.

%RL-E-NOTINLINKMODE System is not in 'Aggregate' rate limiting mode. To change the mode use 'system enable aggregate-rate-limiting command.

Explanation:

The router is currently not in the aggregate rate limiting mode. This error displays when the user tries to create aggregate or input port-level rate limiting policies while the router is in the per-flow mode. There are two rate limiting modes. Per-flow, which is default, and aggregate, used for aggregate and input port-level rate limiting. To create aggregate or input port-level rate limiting policies the user should change the rate limiting mode to aggregate.

Recommended Action:

Before creating any aggregate or input port-level rate limiting policies, change the router's rate limit mode to aggregate by using the **system enable aggregate-rate-limiting** command.

%RL-E-NOTLINKLEVEL Policy <name> is not a Link Level Policy

Explanation:

The user is trying to display a non link-level rate limiting policy using the **rate-limit show link-level** command.

Recommended Action:

Ensure that policy name given in the command is a link-level policy.

%RL-E-PORTBKTUSED Rate limiting resources for ports <*name*> are already in use. Ignoring all.

Explanation:

A resource needed for the link level policy to work is already in use by another rate limiting policy.

Recommended Action:

Disable rate limiting on some ports.

%RL-E-PORTLEVELPOLICIES

Explanation:

You are trying to disable input port-level rate limiting on modules that have input port-level policies applied to them.

Recommended Action:

Delete the policies and try again.

%RL-E-PORTNOTINAGGRMODE

Explanation:

You are trying to apply an aggregate or burst-safe rate limit on a port that is not in the aggregate rate limiting mode.

Recommended Action:

Enable aggregate rate limiting on the port.

%RL-E-PORTNOTINFLOWMODE:

Explanation:

You are trying to apply a flow-level or flow-aggregate rate limiting policy on a port that is not in the flow-level rate limiting mode.

Recommended Action:

Enable flow-level rate limiting on the port.

%RL-E-RATE_UNAVAIL No rate available with parent.

Explanation:

A default rate limiting policy is being created where all the rates of the parent policies are already being used by other children of the parent policy.

Recommended Action:

Reduce the rate of one of the children policies.

%RL-E-SAME_PRICE No two fields can have the same precedence.

Explanation:

When configuring precedence for IP fields, no two fields can have the same precedence. Each field should have a unique precedence value ranging from 1 to 7.

Recommended Action:

Ensure that no two IP fields have the same precedence values.

%RL-E-TOOMANYACLS Too many acls specified.

Explanation:

Too many ACLs are specified.

Recommended Action:

A maximum of 20 ACLs can be specified in a single rate limit policy statement. Ensure that 20 ACLs or less are specified.

%RL-E-WRONG_RATE Rate specified is not within the range for ports <ports>.

Explanation:

The specified rate is not correct for the rate limiting policy. There are constraints on what rates are supported, for various types of policies on various modules.

Recommended Action:

Verify the supported range of rates and the type of policy for the target module, and use a rate within the range.

48 RCP MESSAGES

This chapter describes the messages for the RCP facility.

48.1 INFORMATIONAL MESSAGES

%RCP-I-STATUS RCP <*status_code*>

Explanation:

This message appears to display the status of the RCP data transfer.

Recommended Action:

Informational Message. No action necessary.

%RCP-I-TRANS Nothing to transfer from <*name*>

Explanation:

This message appears when there was nothing in the active or transient database to transfer.

Recommended Action:

Informational Message. No action necessary.

%RCP-I-XFERRATE <*string*> <*number*> bytes in <*number*>.<*number*> seconds

Explanation:

This message appears to display the rate of data transfer.

Recommended Action:

Informational Message. No action necessary.

48.2 WARNING MESSAGES

%RCP-W-DIFF_USERNAME TACACS username <*name*> differs from the CLI username <*name*>, using TACACS username.

Explanation:

This error message appears when the user specifies an RCP username that is different from the original TACACS or RADIUS login username.

Recommended Action:

This warning message is merely informational, letting you know that the router will use the specified TACACS/RADIUS username rather than the RCP username. No action is required unless you wish to specify a different name.

%RCP-W-INVLD Invalid <*username*>: <*username*>

Explanation:

This message appears when the username entered contains illegal characters (non_alphanumeric characters except '-' and '_').

Recommended Action:

Verify the username.

%RCP-W-NORESP No response from <*server_name*>

Explanation:

This message appears when the RCP server stops responding.

Recommended Action:

Verify operation of RCP server.

48.3 ERROR MESSAGES

%RCP_E_ALLUSE RCMD: All sockets are in use

Explanation:

This message is displayed when the RCP connection failed because all the sockets allocated for RCP are in use.

Recommended Action:

Try again. If this message is displayed repeatedly, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%RCP-E-BADFILE Bad file name: *<filename>*

Explanation:

This message appears when a bad file name is given to be copied.

Recommended Action:

Check the file name.

%RCP-E-BADRCPURL Bad RCP URL '*<url_type>*:/ /*<url_name>*'

Explanation:

This message appears when the RCP command (URL form) contains an invalid format.

Recommended Action:

Check the format and try again.

%RCP-E-BADTARGET Ambiguous Target

Explanation:

This message appears when you passed bad parameters for copying.

Recommended Action:

Check parameters and try again.

%RCP-E-CONNECTION Lost connection <*number*>

Explanation:

This message appears when you lost the connection with the RCP server while transferring data.

Recommended Action:

Check if the RCP server is responding. If it is responding, try again.

%RCP-E-CONN RCMD: Connect to address: <*address*>

Explanation:

This message appears when the router could not connect to the RCP server.

Recommended Action:

The RCP server is busy, try again later.

%RCP-E-CTRL Error in control packet <*string*>

Explanation:

This message appears when an internal protocol error occurred.

Recommended Action:

Please try RCP again.

%RCP-E-FILE Could not <*string*> file <*filename*>

Explanation:

This message appears when the router could not open a file on the local file system for writing.

Recommended Action:

Check permissions and file system space available.

%RCP-E-FORMAT <*filename*> name format error <*error_type*>

Explanation:

This message appears when a file name contains a colon (**:**).

Recommended Action:

Remove the colon (**:**) from the file name.

%RCP-E-FSTAT File (<*filename*>) not found

Explanation:

This message appears when the local file to be copied could not be found on the file system.

Recommended Action:

Check if file exists, or file name is correct.

%RCP-E-NAME <*filename*> not specified

Explanation:

This message appears when the file to be copied was not specified.

Recommended Action:

Give the name of the file to be transferred.

%RCP-E-PERM Permission denied

Explanation:

This message appears when the user does not have access to copy files on the remote or local file system.

Recommended Action:

Use the correct user name and/or check permissions on the server.

%RCP-E-PROTO Protocol error: <*error_type*>

Explanation:

This message appears when some RCP protocol error occurred.

Recommended Action:

Please try RCP again.

%RCP-E-RCMD rcmd failed

Explanation:

This message appears when the router could not establish connection with the RCP server. This could be caused if the server is not present, there is no route to the server, server does not respond.

Recommended Action:

Verify that we have a route to the server, and the server is responding.

%RCP-E-REMOTE Remote error <*error_type*>

Explanation:

This message appears when some error occurred on the RCP server. Mostly this should occur if the file specified on the RCP server does not exist, or there were permission problems. The error should be printed out along with the message.

Recommended Action:

Check if file exists on the RCP server and/or permissions are OK.

%RCP_E_SOCK RCMD: Socket: <*message*>

Explanation:

This message is displayed when the RCP connection failed because of an error in socket.

Recommended Action:

Try again. If this message is displayed repeatedly, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%RCP-E-TXFR Error while transferring data

Explanation:

This message appears when some error occurred during data transfer (TCP broken pipe).

Recommended Action:

Verify server is responding, and try again.

%RCP-E-UNREACH Host <*host_name*> unreachable

Explanation:

This message appears when we do not have a route to the RCP server.

Recommended Action:

Check if the RCP server is reachable.

%RCP_E_WRITE RCMD: Write (setting up stderr): <*message*>

Explanation:

This message is displayed when there is an error writing to the RCP socket.

Recommended Action:

Try again.

49 RDISC MESSAGES

This chapter describes the messages for the RDISC facility.

49.1 ERROR MESSAGES

%RDISC-E-ADDREXISTS: Address <*address*> already exists

Explanation:

The address has already been added to the rdisc configuration.

Recommended Action:

Specify a different address.

%RDISC-E-ADDRNOTFOUND: <*address*> is not a known address

Explanation:

The address that has been specified does not exist.

Recommended Action:

Check the address and try again.

%RDISC-E-ADDROVFL: No more free addresses max <*number*> current <*number*>.

Explanation:

The maximum number of addresses that can be configured for RDISC has been reached. (By default, all addresses on an RDISC-enabled interface are included in router advertisements.)

Recommended Action:

Delete any addresses that should not be included in router advertisements.

%RDISC-E-BADADVLIFETIME: Advertisement lifetime - invalid value (must be between <*number*> and <*number*>).

Explanation:

The configured value of the Advertisement Lifetime parameter exceeds the operation limits.

Recommended Action:

Use a value that is within the specified range.

%RDISC-E-BADMAXINTERVAL: Maximum advertisement interval - invalid value (must be between <*number*> and <*number*>).

Explanation:

The configured value of the Maximum Advertisement Interval parameter exceeds the operation limits.

Recommended Action:

Use a value that is within the specified range.

%RDISC-E-BADMININTERVAL: Minimum advertisement interval - invalid value (must be between <*number*> and <*number*>).

Explanation:

The configured value of the Minimum Advertisement Interval parameter exceeds the operation limits.

Recommended Action:

Use a value that is within the specified range.

%RDISC-E-IFEXISTS: Interface <*name*> already exists.

Explanation:

The interface name has already been added to the rdisc configuration.

Recommended Action:

Specify a different interface name.

%RDISC-E-IFNOTFOUND: <*name*> is not a known interface.

Explanation:

The interface name that has been specified does not exist.

Recommended Action:

Check the name and try the again.

%RDISC-E-IFOVFL: No more free interfaces max <*number*> current <*number*>.

Explanation:

The maximum number of interfaces that can be configured for RDISC has been reached.

Recommended Action:

Delete any interfaces on which router advertisement does not need to be enabled.

%RDISC-E-INVCFG: RDISC cannot run because of invalid configuration

Explanation:

You have specified conflicting RDISC parameters in the configuration.

Recommended Action:

Correct the configuration and restart RDISC.

%RDISC-E-NOSUCHTASK: RDISC Task does not exist

Explanation:

RDISC has not started.

Recommended Action:

Start RDISC using the 'rdisc start' command.

%RDISC-E-NUMOFADDRERR: Num of addresses mismatch (max <*number*> cur <*number*>).

Explanation:

Internal error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%RDISC-E-NUMOFIFERR: Num of interfaces mismatch (max <*number*> cur <*number*>).

Explanation:

Internal error.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%RDISC-E-OBJMISS: RDISC object to be displayed must be specified

Explanation:

No RDISC object was specified with the ‘rdisc show’ command.

Recommended Action:

Specify an address or an interface name along with the show command.

%RDISC-E-TSKDELETED: RDISC Task is in deleted state

Explanation:

RDISC has not started.

Recommended Action:

Start RDISC using the 'rdisc start' command.

50 RESOLVER MESSAGES

This chapter describes the messages for the Resolver facility.

50.1 INFORMATIONAL MESSAGES

%RES-I-BADARCRD gethostbyaddr: A record of <*name*> != PTR record [<*name*>]

Explanation:

This message appears when the host address is not found.

Recommended Action:

Check to make sure DNS is configured properly.

%RES-I-NOHST gethostbyaddr: No A record for <*name*> (verifying [<*name*>])

Explanation:

This message appears when DNS could not resolve a host name.

Recommended Action:

Verify host name and re-enter command.

%RES-I-QUERY1 gethostby*.getanswer: asked for "<*name*>", got "<*name*>"

Explanation:

This message appears when an informational message denoting QUERY1 has been received.

Recommended Action:

Informational Message. No action necessary.

%RES-I-QUERY3gethostby*.getanswer: asked for "<*name*> <*name*> <*name*>", got type "<*name*>"

Explanation:

This message appears when an informational message denoting QUERY3 has been received.

Recommended Action:

Informational Message. No action necessary.

50.2 ERROR MESSAGES

%RES-E-BADAF bad address family '<*number*>'

Explanation:

This message appears when you have entered a bad address family.

Recommended Action:

Check to make sure DNS is configured properly.

%RES-E-BADQTYPE bad query type '<*number*>'

Explanation:

This message appears when you have entered a bad query type.

Recommended Action:

Check to make sure DNS is configured properly.

%RES-E-BASE64 output is not in base-64

Explanation:

This message appears when the output from DNS is not base-64.

Recommended Action:

Check to make sure DNS is configured properly.

%RES-E-FAILED DNS resolver failed: <*name*>(<*name*>)

Explanation:

This message appears when the Domain Name Server resolver failed.

Recommended Action:

Check name for DNS. Check to make sure DNS is configured properly.

51 RIP MESSAGES

This chapter describes the messages for the Routing Information Protocol (RIP) facility.

51.1 ERROR MESSAGES

%RIP-E-IFEXISTS Interface <*interface_name*> already exists.

Explanation:

A RIP parameter has been configured for an interface that does not exist.

Recommended Action:

Use a valid interface.

%RIP-E-IFNOTFOUND <*interface_name*> is not a known interface.

Explanation:

A RIP parameter has been configured for an interface that does not exist.

Recommended Action:

Use a valid interface.

%RIP-E-IFOVFL No more free interfaces max <*number*> current <*number*>.

Explanation:

The maximum number of interfaces that can be added to RIP has been reached.

Recommended Action:

If possible, remove unused interfaces.

%RIP-E-NOSUCHTASK RIP Task does not exist.

Explanation:

The user attempted to display RIP information. However, RIP is not running.

Recommended Action:

Either RIP has not been started, or RIP was started but the routing configuration is invalid. Refer to error messages that were displayed after the configuration changes were made active.

%RIP-E-NUMOFIFERR Numof interfaces mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages RIP resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%RIP-E-NUMOFSGWAYERR Numof source gateways mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages RIP resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%RIP-E-NUMOFTGWAYERR Numof trusted gateways mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages RIP resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%RIP-E-OBJMISS RIP object to be displayed must be specified.

Explanation:

Insufficient information provided while executing the **`rip show`** command.

Recommended Action:

Choose a valid option while executing the **`rip show option`** command.

%RIP-E-SGWAYEXISTS Source Gateway <*name*> already exists.

Explanation:

A RIP source-gateway has been defined multiple times.

Recommended Action:

Remove the duplicate source-gateway entries.

%RIP-E-SGWAYOVFL No more free source gateways max <*number*> current <*number*>.

Explanation:

The maximum number RIP source-gateways that can be configured has been reached.

Recommended Action:

If possible, remove unused source-gateways.

%RIP-E-TGWAYEXISTS Trusted Gateway <*name*> already exists.

Explanation:

A RIP trusted-gateway has been defined multiple times.

Recommended Action:

Remove the duplicate trusted-gateway entries.

%RIP-E-TGWAYOVFL No more free trusted gateways max <*number*> current <*number*>.

Explanation:

The maximum number RIP trusted-gateways that can be configured has been reached.

Recommended Action:

If possible, remove unused source-gateways.

%RIP-E-TSKDELETED RIP Task is in deleted state (flags=0x<*hex_value*>)

Explanation:

The user attempted to display RIP information. However, RIP is not running.

Recommended Action:

RIP was started but the routing configuration is invalid. Refer to error messages that were displayed after the configuration changes were made active.

51.2 FATAL ERRORS

%RIP-F-IOCTL ioctl(<*number*>) failed, errno = <*number*>

Explanation:

System resources are limited and the RIP request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

52 RMON MESSAGES

This chapter describes the messages for the Remote Network Monitoring (RMON) facility.

Note See the SNMP chapter for additional RMON messages.

52.1 INFORMATIONAL MESSAGES

%RMON-I-ADD_MEM A total of <*number*> bytes has been allocated for RMON

Explanation:

The number of bytes of memory shown is allocated to RMON.

Recommended Action:

Informational message. No action required.

%RMON-I-DISABLED RMON has been disabled.

Explanation:

RMON has been disabled on the router.

Recommended Action:

Informational message. No action required.

%RMON-I-ENABLED RMON has been enabled.

Explanation:

RMON is enabled on the router.

Recommended Action:

Informational message. No action required.

%RMON-I-IS_DISABLED RMON is disabled.

Explanation:

RMON must be enabled. By default, RMON is disabled on the router.

Recommended Action:

Issue the rmon enable command.

%RMON-I-LITE_DEF Lite default tables have been enabled.

Explanation:

Default control tables for the Lite group are enabled.

Recommended Action:

Informational message. No action required.

%RMON-I-LITE_DEL_DEF Lite default tables have been deleted.

Explanation:

Default control tables for the Lite group have been turned off and collected data has been dropped from the tables.

Recommended Action:

You can create more precise control table rows from the management station or by using CLI commands.

%RMON-I-LITE_NON_DEF Manual CLI Lite commands have been enabled.

Explanation:

RMON is enabled with Lite groups.

Recommended Action:

Informational message. No action required.

%RMON-I-LITE_OFF Lite has been disabled.

Explanation:

RMON Lite groups have been disabled.

Recommended Action:

Informational message. No action required.

%RMON-I-MARKED_DEL RMON additional RMON memory has been marked for deletion.

Explanation:

Memory has been freed from RMON. When memory is marked for deletion, it is returned to the system.

Recommended Action:

Informational message. No action required.

%RMON-I-PRO_DEF Professional default tables have been enabled.

Explanation:

Default control tables for the Professional group are enabled.

Recommended Action:

Informational message. No action required.

%RMON-I-PRO_DEL_DEF Professional default tables have been deleted.

Explanation:

Default control tables for the Professional group have been turned off and collected data has been dropped from the tables.

Recommended Action:

You can create more precise control table rows from the management station or by using CLI commands.

%RMON-I-PRO_NON_DEF Manual CLI Professional commands have been enabled.

Explanation:

RMON is enabled with Professional groups.

Recommended Action:

Informational message. No action required.

%RMON-I-PRO_OFF Professional has been disabled.

Explanation:

RMON Professional groups have been disabled.

Recommended Action:

Informational message. No action required.

%RMON-I-STD_DEF Standard default tables have been enabled.

Explanation:

Default control tables for the Standard group are enabled.

Recommended Action:

Informational message. No action required.

%RMON-I-STD_DEL_DEF Standard default tables have been deleted.

Explanation:

Default control tables for the Standard group have been turned off and collected data has been dropped from the tables.

Recommended Action:

You can create more precise control table rows from the management station or by using CLI commands.

%RMON-I-STD_NON_DEF Manual CLI Standard commands have been enabled.

Explanation:

RMON is enabled with Standard groups.

Recommended Action:

Informational message. No action required.

%RMON-I-STD_OFF Standard has been disabled.

Explanation:

RMON Standard groups have been disabled.

Recommended Action:

Informational message. No action required.

%RMON-I-WAIT Waiting 3 seconds for SNMP agent to complete RMON config task

Explanation:

The RMON configuration is being processed by the SNMP agent.

Recommended Action:

Informational message. No action required.

52.2 WARNING MESSAGES

%RMON-W-BUCKETS <*name*> index <*number*> - <*number*> buckets out of <*number*> were allocated.

Explanation:

Buckets are used in history tables to collect a serial of data (number of buckets) over a certain interval.

Recommended Action:

No action required.

%RMON-W-CONTROL_INDEX <*group*> Control Index <*number*> does not exist. Cannot add index entry.

Explanation:

Configuring the RMON Host-Top-N group requires that you specify an index for the Host table, while configuring the Al-Matrix-Top-N and NL-Matrix-Top-N groups require that you specify an index for the HL-Matrix table. The index specified does not exist.

Recommended Action:

Check the index that you specified for the Host or HL-Matrix table. If necessary, you must configure the index entry in the Host or HL-Matrix table first.

%RMON-W-LITE_OFF RMON Lite is disabled.

Explanation:

The RMON groups Alarm, Event, History, and Etherstats are disabled. RMON will not gather data for these groups.

Recommended Action:

Make sure that you want these groups disabled.

%RMON-W-MAX_ROWS Cannot add <*name*> row for port <*port*> - maximum number of rows <*number*> reached.

Explanation:

A maximum of 65535 rows can be specified for the RMON group.

Recommended Action:

Do not configure more than 65535 rows for the group.

%RMON-W-MEM_RANGE Memory requested is less than presently allocated. Restart RMON to take effect.

Explanation:

The memory allocation specified with the rmon set memory command is less than the amount of memory allocated when RMON was enabled.

Recommended Action:

Restart RMON to use the new memory allocation.

%RMON-W-NO_IFINDEX Cannot add <*name*> index <*number*> row - could not find ifIndex for port <*port*>.

Explanation:

The index number uniquely identifies a row in a table. Some RMON commands refer to other commands by the index number.

Recommended Action:

Check the RMON configuration.

%RMON-W-NO_MEM RMON memory failure: <name> index <number> (max <size> Meg). Please add memory and restart RMON.

Explanation:

RMON is out of memory.

Recommended Action:

Allocate more memory with the rmon set memory command. Verify the memory with the rmon show status command.

%RMON-W-OID_BIND Cannot add <*name*> index <*number*> row - could not bind oid for ifIndex <*number*>.

Explanation:

The index number uniquely identifies a row in a table. Some RMON commands refer to other commands by the index number.

Recommended Action:

Check the RMON configuration.

%RMON-W-PRO_OFF RMON Professional is disabled.

Explanation:

The RMON 2 groups are disabled. RMON will not gather data for these groups.

Recommended Action:

Make sure that you want these groups disabled.

%RMON-W-REBOOT_NOW RMON coldBoot command accepted from <*name*>.

Explanation:

The router has accepted a reboot request via SNMP from the specified host IP system.

Recommended Action:

No action required.

%RMON-W-ROW_EXISTS Row index = <*index*> was already active, deleting it.

Explanation:

A row containing collected data was deleted. Data will no longer be collected for the data source specified by the row.

Recommended Action:

Verify that you do not want data collected for the deleted entry. To collect data for the deleted entry, you need to use the appropriate rmon command to add a table row.

%RMON-W-SNMPOFF SNMP is disabled. Cannot turn on RMON.

Explanation:

SNMP must be enabled for RMON to function.

Recommended Action:

Enable SNMP.

%RMON-W-STD_OFF RMON Standard is disabled.

Explanation:

The RMON groups Host, Matrix, Matrix-Top-N, Filter, and Channel are disabled. RMON will not gather data for these groups.

Recommended Action:

Make sure that you want these groups disabled.

52.3 ERROR MESSAGES

%RMON-E-ALIGN Request for unaligned memory of size <number> bytes rounded up.

Explanation:

Internal error.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%RMON-E-DS_BIND Cannot add <*name*> index <*number*> row - could not bind data source ifIndex <*number*>.

Explanation:

A system error occurred.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%RMON-E-ENABLE_FAILURE Cannot enable RMON without enabling either Lite, Std, or Pro.

Explanation:

You must configure the Lite, Standard, or Professional RMON groups before enabling RMON.

Recommended Action:

Specify an rmon set lite|standard|professional command in your configuration.

%RMON-E-FILTER_ID_EXISTS Filter Id <*number*>, is already taken.

Explanation:

The specified filter ID is already being used.

Recommended Action:

Use a different identifier when creating the filter.

%RMON-E-FILTER_ID_NOTEXISTS Filter Id <*number*>, does not exist.

Explanation:

The specified filter ID does not exist.

Recommended Action:

Check the existing filters for the correct ID.

%RMON-E-ICERROR Invalid sample data <*data*>=<*number*> sample=<*number*> found.

Explanation:

Internal error.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%RMON-E-INCONSISTENT RMON configuration is in an inconsistent state. RMON tables do not reflect configuration file.

Explanation:

Internal error.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%RMON-E-INVALID_OID Object identifier is not an integer or doesn’t exist. Index: <*number*>

Explanation:

A command attempted to set a control for a port that does not exist.

Recommended Action:

Check the object identifier and make sure that it references an existing port.

%RMON-E-NOMEM Reached max of <*number*> Meg, <*?*> - Index(<*index*>).

Explanation:

The router is out of memory and RMON cannot get what it needs.

Recommended Action:

Use the system show capacity memory command to see memory usage.

%RMON-E-NOSSRMEM No more memory available on SSR.

Explanation:

The router is out of memory and RMON cannot get what it needs.

Recommended Action:

Use the system show capacity memory command to see memory usage.

%RMON-E-PROTOCOL Protocol <*name*>, not found.

Explanation:

The probe does not support the requested protocol in the protocol directory.

Recommended Action:

Use the rmon show protocol-directory to see supported protocols.

%RMON-E-REG_CTRL Register Control table entry failed. No more memory.

Explanation:

The router is out of memory and RMON cannot get what it needs.

Recommended Action:

Use the system show capacity memory command to see memory usage.

%RMON-E-SYNTAX_ERR A Syntax Error occurred while specifying an RMON filter.

Explanation:

There was a syntax error in the command to specify an RMON filter.

Recommended Action:

Check and correct the configuration command to specify a filter.

%RMON-E-TMR_BIND Cannot add <*name*> index <*number*> row - timerbind call failed.

Explanation:

A system error has occurred.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

53 ROSRD GLOBAL MESSAGES

This chapter describes the messages for the ROSRD Parent facility.

53.1 INFORMATIONAL MESSAGES

%ROSRD-I-BADLOGIN GII login failed from %s

Explanation:

Examine some of the tables maintained by the routing process using the GII utility. The router Routing Process prints this message on the console when a suer from a specific machine enters the GII password incorrectly three times.

Recommended Action:

In this case, ensure that no one is trying to access the router without proper authorization. If there is any possibility of someone trying to access the router in an unauthorized fashion, then the router-manager is advised to change the enabled password of the router.

%ROSRD-I-NOROUTE No route to destination

Explanation:

The router Routing Information Base does not have any route to the specified prefix.

Recommended Action:

Reenter the command with a different prefix.

%ROSRD-I-RECONFIGDONE Reinitializing (pid 0x<*hex_number*>) done at <*number*>

Explanation:

This message displays the process ID and the time at which the router routing process was reinitialized to handle any new configuration.

Recommended Action:

This message is for the user’s benefit. No action is required.

%ROSRD-I-START Started (pid 0x<*hex_number*>) on <*name*>

Explanation:

This message displays the process ID and the time at which the router routing process was initiated.

Recommended Action:

This message is for the user’s benefit. No action is required.

%ROSRD-I-LOWMEMTHRCLR Low memory threshold %d clear

Explanation:

The low memory condition %d has cleared up.

Recommended Action:

None.

53.2 ERROR MESSAGES

%ROSRD-E-ABORT Aborted (pid 0x<*hex_number*>) at <*number*>

Explanation:

This error message displays the specified process ID and the time at which this routing process was aborted.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-ADVALLOCFAIL Memory allocation failed for a contributing route

Explanation:

This error message is displayed when the router routing process cannot allocate memory for a route contributing to an aggregate.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-ADVALLOCLIST Memory allocation failed for a contributing list

Explanation:

This error message is displayed when the router routing process cannot allocate memory for a contributing list.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-ADVNULL4IMGAGGR Policy element null for implicit aggregate route

Explanation:

This error message is displayed when the router routing process detects an internal error.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-ASSERTFAIL Assertion failed pid[0x<*hex_number*>], file <*name*>, line <*number*>: <*error*>

Explanation:

This error message is displayed when an internal check fails in the router's routing process.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-CFGOPENFAIL ROSRD cannot open the configuration file.

Explanation:

This error message is displayed when the router routing process is unable to open its configuration file.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-CFGPARSEERR ROSRD configuration file had parse errors.

Explanation:

This error message is displayed when the router routing process encounters errors/corruption in its configuration file.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-CLIMALLOCFAIL CLI malloc failed.

Explanation:

This error message is displayed when the router experiences a memory allocation failure in one of its routing process display commands.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-CLNTCONFAIL Cannot connect to console server (client <*client_id*> error = <*number*>)

Explanation:

This error message is displayed when the router experiences a connection failure in one of its routing process display commands.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-CLNTOPENFAIL Cannot open ROSRD console-client socket (error = <*number*>)

Explanation:

This error message is displayed when the router experiences a failure trying to open a socket in one of its routing process display commands.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-CONSACCEPTFAIL Cannot accept ROSRD console socket <*number*> (error = <*number*>)

Explanation:

This error message is displayed when the router experiences a “socket accept” operation failure in its routing process.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-CONSBINDFAIL Cannot bind ROSRD console socket <*number*> (error = <*number*>)

Explanation:

This error message is displayed when the router experiences a “socket bind” operation failure in its routing process.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."* at 1-877-RSN-TAC9.

%ROSRD-E-CONSFDOPENFAIL Fdopen failed for console connection <*number*>

Explanation:

This error message is displayed when the router fails to open a file mapped to the specified socket during its routing process.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-CONSOPENFAIL Cannot open ROSRD console socket (error = <*number*>)

Explanation:

This error message is displayed when the router fails to open the given socket during its routing process.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-CONSLISTENFAIL Cannot listen ROSRD console socket <*number*> (error = <*number*>)

Explanation:

This error message is displayed when the router experiences a “socket listen” operation failure in its routing process.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-CONSREADFAIL Cannot read from console socket <*socket_id*> (error = <*number*>)

Explanation:

This error message is displayed when the router experiences a “socket read” operation failure in its routing process.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-DMIATTACHEDNULL DMI attached null for implicit aggregate route

Explanation:

This error message is displayed when the router routing process detects an internal error.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-DMIEXTAGGRMISMATCH DMI external 0x%x not equal to aggr_adv 0x%x

Explanation:

This error message is displayed when the router routing process detects an internal error.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-DSTMSKINSFAIL Explicit aggregate for network %s/%s exists. Implicit ignored

Explanation:

This error message is displayed when the addition of an implicit aggregate route to a destination network fails because of the presence of an explicit aggregate to the same destination network. In this case the implicit aggregate route is ignored.

Recommended Action:

None.

%ROSRD-E-EXIT Exited (pid 0x<*hex_number*>) at <*number*>

Explanation:

This error message displays the process ID and the time at which the router routing process failed (exited) due to internal error.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-FACADD error adding facility '<*name*>'

Explanation:

System resources are limited and the ROSRD Parent system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-ILLROUTERID Router id cannot be in the loopback network

Explanation:

The IP address which is chosen to be the Router-ID of the router cannot be from the loopback network (127.0.0.0).

Recommended Action:

Enter an IP address belonging to the router which is not on the loopback network (127.0.0.0).

%ROSRD-E-INVCONSSLOT Invalid console slot (<*number*>). Max <*number*>.

Explanation:

This error message is displayed when the experiences an internal error in its routing process.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-IOCTLFAIL ioctl returned (<*number*>) for <*number*>

Explanation:

This error message is displayed when the router experiences a “socket ioctl” operation failure in its routing process.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-IMPAGGREXISTS Implicit aggregate for network %s/%s exists. Explicit ignored

Explanation:

This error message is displayed when the addition of an explicit aggregate route to a destination network fails because of the presence of an implicit aggregate to the same destination network. In this case the explicit aggregate route is ignored.

Recommended Action:

None.

%ROSRD-E-MAXACTIVECCONN Maximum active console connections <*number*> exceeded

Explanation:

This error message is displayed when the user attempts to activate more than the maximum number of allowable console-client connections for the router routing process.

Recommended Action:

Deactivate any unnecessary connections, then activate the new one.

%ROSRD-E-NOAGGRRADVDST No aggregate route in policy elem (0x%x) flag (0x%x)

Explanation:

This error message is displayed when the routing process detects an internal error.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-NOAGGRRADVLIST No aggregate route in policy elem (0x%x) flag (0x%x)

Explanation:

This error message is displayed when the router routing process detects an internal error.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-NOAGGRGHEAD No aggregate head rt (0x%x) rth (0x%x)

Explanation:

This error message is displayed when the router routing process detects an internal error.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-NOAGGRGHEADPLCY No aggregate head rt (0x%x) rth (0x%x) policy elem (0x%x)

Explanation:

This error message is displayed when the router routing process detects an internal error.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-NOAGGRROUT No aggregate route in policy elem (0x%x) flag (0x%x)

Explanation:

This error message is displayed when the router routing process detects an internal error.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-NOSUCHTASK Task does not exist.

Explanation:

This error message is displayed when the user instructs the router routing process to perform an operation for which there is no corresponding sub-task.

Recommended Action:

Ensure that you have specified the appropriate task and/or that its syntax is correct.

%ROSRD-E-NUMOFCCONNERR Numof active console connections mismatch (max *<number>* cur *<number>*)

Explanation:

This error message is displayed when the router experiences an internal error in its routing process.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-OPT2ADDRSPECFAIL Copy from option to addr spec failed.

Explanation:

This message is displayed when there was an error while processing one of the CLI command parameters (possibly the “gateway” or “interface” parameter).

Recommended Action:

Try re-entering the command after verifying that the parameters are valid. If the problem persists, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-SNMPEVTNOTIFY Error sending SNMP event (status=<*number*>)

Explanation:

This message is displayed when an SNMP request to access ROSRD-related information failed.

Recommended Action:

Try performing the SNMP request again. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-SNMPIFINUSE Snmp interface is in use (action=<*number*>).

Explanation:

This message is displayed because only 1 SNMP reader may access ROSRD's tables at a time.

Recommended Action:

Serialize SNMP requests to ROSRD's tables.

%ROSRD-E-SNMPRSPNOTIFY Error sending SNMP response (status=<*number*>)

Explanation:

This message is displayed when an SNMP request to access ROSRD-related information failed.

Recommended Action:

Try performing the SNMP request again. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-SNMPTMO No SNMP response from ROSRD (status=<*number*>)

Explanation:

This message is displayed when an SNMP request to access ROSRD-related information failed.

Recommended Action:

Try performing the SNMP request again. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-SSOCKOPTFAIL Set socket option returned (<*number*>) for <*number*>

Explanation:

This error message is displayed when the router fails to set a socket option in its routing process.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-TSKDELETED Task (<*name*>, 0x<*hex_number*>) is in deleted state (flags=0x<*hex_number*>)

Explanation:

This error message is displayed when the user instructs the router routing process to perform an operation for which the corresponding sub-task is in the deleted state.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-E-WRITEFAIL Write socket returned (<*number*>) for <*number*>

Explanation:

This error message is displayed when the router experiences a “socket write” operation failure in its routing process.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-W-LOWMEMTHRHIT Threshold %d reached

Explanation:

A low memory threshold has been reached. %d represents the level. Level is the percent of memory used. There are four levels:

Th1, where %d is 1 and the threshold is 75%.

Th2, where %d is 2 and the threshold is 80%.

Th3, where %d is 3 and the threshold is 90%.

Th4, where %d is 4 and threshold is 95%.

This message should only display for RIP and BGP.

Recommended Action:

Obtain more memory.

53.3 FATAL MESSAGES

%ROSRD-F-DATAMALLOCFAIL Malloc failed for ROSRD data-section.

Explanation:

This message is displayed when, during initialization, the ROSRD task could not successfully allocate the required memory.

Recommended Action:

Restart the system. If the problem persists, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%ROSRD-F-NULLDATAPTR Saved data-section pointer is NULL.

Explanation:

This message is displayed when the ROSRD task detected a memory corruption problem.

Recommended Action:

Restart the system. If the problem persists, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

54 SERIAL (WAN) MESSAGES

This chapter describes the messages for the Serial facility used by the WAN software.

54.1 INFORMATIONAL MESSAGES

%SERIAL-I-DOWN frame-relay|ppp on port <*port*> is down

Explanation:

The specified port is operationally down. This could be due to no cable being connected, the port was disabled by the user, or the frame relay or PPP connection has been lost.

Recommended Action:

Informational message. No action required.

%SERIAL-I-FRCOMP_DOWN Compression is down on port <*port*> vc <*number*>

Explanation:

The message appears when Frame Relay compression (FRF.9) has gone down. This message may not be seen very often, as the only way for compression to go down is for the VC to down in which case the “VC down” message is displayed.

Recommended Action:

Informational message. No action required.

%SERIAL-I-FRCOMP_UP Compression is up on port <*port*> vc <*number*>

Explanation:

The message appears when Frame Relay compression (FRF.9) was successfully negotiated and is now up.

Recommended Action:

Informational message. No action required.

%SERIAL-I-IMUX_MP_UP IMUX on <*bundle*> is up

Explanation:

IMUX is ready on the specified MP bundle.

Recommended Action:

Information message. No action required.

%SERIAL-I-IMUX_MP_DOWN IMUX on <*bundle*> is down

Explanation:

IMUX is not ready on the specified MP bundle.

Recommended Action:

Information message. No action required.

%SERIAL-I-IMUX_PROTOCOL_RECONFIG Remote IMUX link on port <*port*> requested reconfiguration

Explanation:

The remote end of the IMUX link has requested a reconfiguration. This messages is posted to inform you of the reason the link is going down and back up again.

Recommended Action:

Information message. No action required.

%SERIAL-I-LINK_STATUS_CHANGE Port <*port*><*status*>

Explanation:

The status of the specified port has changed as indicated.

Recommended Action:

Information message. No action required.

%SERIAL-I-MP_DOWN PPP on <*bundle*> is down

Explanation:

The specified MLP bundle has gone down. All of the ports in the bundle are closed.

Recommended Action:

Informational message. No action required.

%SERIAL-I-MP_UP PPP on <*bundle*> is up

Explanation:

The specified MLP bundle has been opened (i.e., negotiation successfully completed). At least one port in the bundle is opened.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPP_MP_PROTOCOL_DOWN IP|IPX on <*bundle*> is down

Explanation:

The specified PPP protocol has closed the connection for the specified MLP bundle.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPP_MP_PROTOCOL_UP IP|IPX on <*bundle*> is up

Explanation:

The PPP protocol has been opened (i.e., negotiations successfully completed) for the specified MLP bundle.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPP_PROTOCOL_DOWN IP|IPX|Bridging on port <*port*> is up

Explanation:

The specified PPP protocol has closed the connection for the specified port.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPP_PROTOCOL_UP IP|IPX|Bridging on port <*port*> is up

Explanation:

The specified PPP protocol has been opened (i.e. negotiation successfully completed) for the specified port.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPP_SHUTDOWN PPP on port <*port*> was shutdown due to ECP negotiation failure

Explanation:

The PPP encryption protocol (ECP) was not successfully negotiated on the specified port. Instead of sending unencrypted traffic over the link, the link is shut down.

Recommended Action:

Check the ECP configuration.

%SERIAL-I-PPP_UNKNOWN_PROTOCOL_UP ppp protocol <*number*> on port <*port*> is up

Explanation:

An unknown protocol with the given protocol number is up on the specified port.

Recommended Action:

Informational message. No action required.

%SERIAL-I-PPP_UNKNOWN_PROTOCOL_DOWN ppp protocol <*number*> on port <*port*> is down

Explanation:

An unknown protocol with the given protocol number is down on the specified port.

Recommended Action:

Informational message. No action required.

%SERIAL-I-LINK_STATUS_CHANGE Port <*port*><*status*>

Explanation:

The status of the specified port has changed as indicated.

Recommended Action:

Information message. No action required.

%SERIAL-I-T1E1_ALARM_STATUS T1/E1 Alarm on Port <*port*>, Chan <*channel*>: <*alarm*>

Explanation:

The specified alarm has been received on the indicated port and channel.

Recommended Action:

Information message. No action required.

%SERIAL-I-T3E3_ALARM_STATUS T3/E3 Alarm on Port <*port*> <*alarm*>

Explanation:

The specified alarm has been received on the indicated port.

Recommended Action:

Information message. No action required.

%SERIAL-I-T1E1_NOALARM_STATUS No T1/E1 Alarm on Port <*port*>, Chan <*channel*>

Explanation:

No alarm has been received on the indicated port and channel.

Recommended Action:

Information message. No action required.

%SERIAL-I-T3E3_NOALARM_STATUS No T3/E3 Alarm on Port <*port*>

Explanation:

No alarm has been received on the indicated T3/E3 port.

Recommended Action:

Information message. No action required.

%SERIAL-I-PPPSHIM_STATIC_ADDR ppp shim: Cannot update peer IP address on port <*port*>: address is static

Explanation:

During the PPP negotiation for IP, the peer sent its IP address. However, the user had already specified the peer IP address with the **`interface create`** CLI command.

Recommended Action:

Informational message. No action required.

%SERIAL-I-UP frame-relay|ppp on port <*port*> is up

Explanation:

The specified port is operationally up. Either frame relay or PPP was able to establish a connection.

Recommended Action:

Informational message. No action required.

%SERIAL-I-VC_DOWN VC <*number*> on port <*port*> is down

Explanation:

The message appears when the specified VC on the port is down.

Recommended Action:

Informational message. No action required.

%SERIAL-I-VC_RANGE_DOWN VCs <*number*> through <*number*> on port <*port*> are down

Explanation:

The message appears when all of the VCs in the range have gone down. This takes the place of individual “down” messages for each VC.

Recommended Action:

Informational message. No action required.

%SERIAL-I-VC_RANGE_UP VCs <*number*> through <*number*> on port <*port*> are up

Explanation:

The message appears when all of the VCs in the range have come up. This takes the place of individual “up” messages for each VC.

Recommended Action:

Informational message. No action required.

%SERIAL-I-VC_UP VC <*number*> on port <*port*> is up

Explanation:

The message appears when the specified VC on the port is up.

Recommended Action:

Informational message. No action required.

54.2 WARNING MESSAGES

%SERIAL-W-CISCO_HDLC_DUP_IPADDR Cisco HDLC: Cannot update peer IP address on port <*port*>: local and peer addresses are the same

Explanation:

The peer address is the same as the local interface address.

Recommended Action:

Make sure that the interface address and peer address conform to the following rules:

1. The interface and peer addresses should belong to the same subnet.
2. The host part of the addresses should be either 1 or 2. If the host part of the interface address is 1, then the peer address should be 2, and vice-versa.

%SERIAL-W-CISCO_HDLC_ERROR_NOMEM Cisco HDLC: Cannot allocate Cisco HDLC info memory

Explanation:

Cisco HDLC could not initialize the port due to insufficient memory.

Recommended Action:

Please note down the message and contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SERIAL-W-CISCO_HDLC_ERROR_NOTCISCO_HDLC Cisco HDLC: port is not Cisco HDLC

Explanation:

The port you specified is not a Cisco HDLC encapsulated port.

Recommended Action:

Specify a port configured for Cisco HDLC encapsulation.

%SERIAL-W-CISCO_HDLC_INVALID_ADDR Cisco HDLC: Invalid address provided by peer - <*IPaddress*>/<*mask*> on port <*port*>

Explanation:

The specified peer IP address is invalid.

Recommended Action:

Make sure that the interface address and peer address conform to the following rules:

1. The interface and peer addresses should belong to the same subnet.
2. The host part of the addresses should be either 1 or 2. If the host part of the interface address is 1, then the peer address should be 2, and vice-versa.

%SERIAL-W-CISCO_HDLC_INVALID_PORT Cisco HDLC: Invalid port - <*port*>

Explanation:

You specified a port that does not support Cisco HDLC.

Recommended Action:

Specify a WAN port.

%SERIAL-W-CTL_PKT_LOOPBACK frame-relay LMI|PPP LCP packet was looped back on port <*port*>

Explanation:

A frame relay LMI packet or a PPP Link Control Protocol packet on the specified port was looped back.

Recommended Action:

If this message appears only a few times immediately following boot up, no action is required. If this message continues to appear, check the CSU/DSU connection with the specified port to ensure it is not in loopback mode.

%SERIAL-W-DEC_DRIVER <*text*>

Explanation:

Generic warning message from the serial card's ethernet driver.

Recommended Action:

If this message appears repeatedly, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SERIAL-W-EGRESS_DEC_SEND dec_send (wan to router) failed

Explanation:

The WAN card could not send a packet to the main router.

Recommended Action:

If this message appears repeatedly, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SERIAL-W-EGRESS_ERROR_INARP egress: inarp error

Explanation:

Could not resolve the inarp request.

Recommended Action:

If this message appears, one should check for IP or IPX addresses on both local and remote routers.

%SERIAL-W-EGRESS_ERROR_INARP_ADDR error: src and dst address are not on the same network(src <*name*>, dst <*name*>, netmask <*number*>)

Explanation:

This message appears when local and peer IP addresses configured for a VC or PPP port are on different subnets.

Recommended Action:

Check configuration to make sure local IP address is correct.

%SERIAL-W-ENGRESS_ERROR_INARP_DSTADDR inarp error: could not find any L3 entry which is on the same subnet as the given peer address(<*ipaddr*>)

Explanation:

Could not find L3 address which is on the same subnet as specified in the inarp request.

Recommended Action:

Check local and remote router's L3 address.

%SERIAL-W-ENGRESS_ERROR_INARP_IPX_ADDR error: src and dst address(<*ipxaddr*>) are not on the same network(src <*ipxaddr*>, dst <*ipxaddr*>)

Explanation:

This message appears when local and peer IPX addresses configured for a VC or PPP port are on different subnets.

Recommended Action:

Make sure both local and peer addresses are on the same network.

%SERIAL-W-ENGRESS_ERROR_INARP_RESOLVE inarp error: peer address(<*ipaddr*>) is the same as local address(<*ipaddr*>)

Explanation:

This message appears when the source address of inarp request/response is the same as the local address.

Recommended Action:

Make sure both local and peer addresses are on the same network.

%SERIAL-W-EGRESS_FR_FORMAT egress; wrong PDU format from vc <*number*> on port <*name*>

Explanation:

WAN card received packets with unrecognized protocol data unit format.

Recommended Action:

Check if the peer router is sending out packets using RFC1483 encapsulation.

%SERIAL-W-EGRESS_FR_NLPID egress: invalid nlpid(%x) or proto from vc <*number*>

Explanation:

Egress path received a packet with invalid nlpid of protocol ID.

Recommended Action:

Check if the peer router is sending out packets using RFC1483 encapsulation.

%SERIAL-W-EGRESS_FR_OUI egress: invalid fr oui from vc <*number*> on port <*port*>

Explanation:

Egress path has received a packet with invalid organization unique ID of frame relay header.

Recommended Action:

Check if the peer router is sending out packets using RFC1483 encapsulation.

%SERIAL-W-EGRESS_FR_PID egress: invalid fr L3 pid(%x0 from vc <*number*> on port <*port*>

Explanation:

Egress path has received a frame relay packet with unrecognized protocol ID.

Recommended Action:

Check if the peer router is sending out packets using RFC1483 encapsulation.

%SERIAL-W-EGRESS_FR_VC_DISABLED egress: VC <*number*> is not up on port <*port*>

Explanation:

Frame relay VC is operationally/administratively disabled.

Recommended Action:

Enable the frame relay VC or check if LMI is running.

%SERIAL-W-EGRESS_FR_VC_NOTCONF egress: VC <*number*> is not configured on port <*name*>

Explanation:

This message appears when receiving packets on a non-configured VC.

Recommended Action:

Configure the frame relay VC.

%SERIAL-W-EGRESS_IMUX_FORMAT egress: wrong PDU format on port <*port*>

Explanation:

Wrong encapsulation on the receiver, and occurs when a WAN port is set up for a trunk port, but only on one side. Denotes a misconfiguration.

Recommended Action:

Check the configuration of the specified port, and configure the port correctly with the correct encapsulation.

%SERIAL-W-EGRESS_MAC_TYPE egress: invalid MAC type on port <*name*>

Explanation:

Incoming packet does not have the 802.3 MAC type.

Recommended Action:

Check if the peer router is sending out packets using RFC1483 encapsulation.

%SERIAL-W-EGRESS_PORT_DISABLED egress: PPP port is not up

Explanation:

PPP port is operationally or administratively disabled.

Recommended Action:

Enable the PPP port or check LCP/NCP.

%SERIAL-W-EGRESS_PPP_MP_PID egress: received mlp frames on port <*name*> which is not configured for mlp, discarding

Explanation:

The egress data path is not configured for MLP, but received an MLP packet.

Recommended Action:

Check the configuration.

%SERIAL-W-EGRESS_PPP_PID egress: invalid PPP proto id(%x) on port <*name*>

Explanation:

Received packets with unrecognized PPP protocol ID.

Recommended Action:

Check if the peer router is sending out packets using RFC1483 encapsulation.

%SERIAL-W-HDLC_DRIVER <*text*>

Explanation:

Generic warning message from the serial card's HDLC driver.

Recommended Action:

If this message appears repeatedly, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SERIAL-W-LMISHIM_ERROR_NOMEM lmi shim: Cannot allocate frcc info memory

Explanation:

The LMI processing has run out of memory.

Recommended Action:

Hotswap the WAN card or reboot the router. Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SERIAL-W-PORT_CABLE_BAD Port <*name*>: External clocks are unstable: Try reseating the cable

Explanation:

The external clock supplied to the serial card is unstable.

Recommended Action:

Try reseating the serial cable. If problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SERIAL-W-PPPSHIM_DUP_IPADDR ppp shim: Cannot update peer IP address on port <*port*>: local and peer addresses are the same

Explanation:

During IP PPP negotiation, the IP addresses for the local and peer routers are the same.

Recommended Action:

Check the configuration.

%SERIAL-W-PPPSHIM_MLP_FAILED ppp shim: mlp negotiation failed for port <*port*>

Explanation:

Unable to negotiate MLP with the peer router.

Recommended Action:

Check the configuration.

%SERIAL-W-PPPSHIM_NO_DST ppp shim: Cannot update peer IP|IPX address on port <*port*>: peer does not have an address

Explanation:

During PPP IP/IPX negotiation for the specified port, the peer did not supply its IP/IPX address.

Recommended Action:

Statically specify peer IP/IPX address on the **`interface create`** CLI command for the specified port.

%SERIAL-W-PPPSHIM_NO_SRC ppp shim: Cannot update peer IP address on port <*name*>: no source address

Explanation:

During PPP IP negotiation for the specified port, the peer supplied its IP address but the interface for this port has none.

Recommended Action:

Check the configuration. The router may be set up for bridging, while the peer may be configured for routing.

%SERIAL-W-PPPSHIM_SUBNET_MISMATCH ppp shim: Cannot update peer IP address on port <*port*>*:* not on same subnet as source(src <*ipaddr*>, dst <*ipaddr*>)

Explanation:

During PPP IP negotiation for the specified port, the local and peer IP addresses were not on the same subnet.

Recommended Action:

Check the configuration. Both the router and the peer should be on the same IP subnet.

54.3 ERROR MESSAGES

%SERIAL-E-BERT_BAD_LINETYPE: BERT can only be set on a T1 or an E1 port.

Exaplnation:

An attempt was made to set BERT on a port that doesn't support BERT (for example, a port that is not T1 or E1).

Recommended Action:

Make sure the port is a T1 or E1 port.

%SERIAL-E-BERT_NEED_ESF: BERT can only be set on a T-1 port in ESF mode. Make sure framing is in ESF mode.

Exaplanation:

The port specified is not a T-1 port in ESF mode.

Recommended Action:

Make sure the port is a T1 port with the framing set to ESF.

%SERIAL-E-BERT_ONLY_ONE_PORT: BERT can only be set on a signle T-1 port per module CPU. Stop BERT on slot <*slot*> port <*port*> before starting BERT on another port.

Explanation:

Another port associated with the same CPU (that is the board for channelized T1, or half board for channelized T3) is currently running a BERT.

Recommended Action:

Stop the BERT, then start the BERT for the desired port.

%SERIAL-E-CLI_CHANNELIZED_PORT_SET_FAILED cli: Port set failed for option <*option*> on port <*port*> slot <*slot*> channel <*channel*>

Explanation:

The port set command you entered has failed. Possible reasons are:

- There is a problem with the line or the line card. For example, the line may be down.
- The option you have entered is not appropriate for the
- The option you have entered is not valid for the current port configuration.

Recommended Action:

Check the line condition. Check that you have submitted the command correctly, and in the correct Mode.

%SERIAL-E-CLI_CHANNELIZED_LINE_SET_FAILED cli: Line set failed for option <*option*> on line <*line*> slot <*slot*>

Explanation:

The port set command you entered has failed. Possible reasons are:

- There is a problem with the line or the line card. For example, the line may be down.
- The option you have entered is not appropriate for the
- The option you have entered is not valid for the current port configuration.

Recommended Action:

Check the line condition. Check that you have submitted the command correctly and in the correct Mode.

%SERIAL-E-CLI_ERROR_NOT_WAN_PORT Trying to set wan parameters on a LAN port

Explanation:

Attempt to configure a LAN port with WAN parameters.

Recommended Action:

Make sure the port number correctly specifies a WAN port.

%SERIAL-E-CLI_ERROR_SEND_FAIL cli command was not sent to due to IPC failure

Explanation:

Failed to communicate with WAN module.

Recommended Action:

Attempt to execute CLI command again. If commands fails, hotswap the WAN module. If the error persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SERIAL-E-CLI_FR_VC_REQD cli: This option requires vc number to be specified for frame relay port

Explanation:

No VC specified for the Frame Relay CLI command.

Recommended Action:

Specify VC for the CLI command.

%SERIAL-E-CLI_LMI_NO_VC_ALLOWED cli: Cannot specify vc - LMI parameters apply to all vc's on port

Explanation:

A VC was specified in the port list for the CLI command when it is not allowed.

Recommended Action:

Remove the VC designator from the command.

%SERIAL-E-CLI_NON_FR_PROFILE cli: Trying to set a non-frame-relay service (<*name*>) on a frame relay port (<*name*>)

Explanation:

Attempt to set non-frame-relay service on a port configured for Frame Relay.

Recommended Action:

Use or create relevant service profile based on the configuration of the specified port.

%SERIAL-E-CLI_NON_FR_PORT card <*number*> port <*name*> is not a frame relay port

Explanation:

The specified port is not a frame relay port, while the CLI command pertains to frame relay.

Recommended Action:

Correct the port in the CLI command or use the **`port set`** CLI command to set the desired port to be a frame relay port.

%SERIAL-E-CLI_NON_PPP_PROFILE cli: Trying to set a non-ppp service (%s) on a PPP port (%d)

Explanation:

Attempt to set non PPP service on a port configured for PPP.

Recommended Action:

Use or create relevant service profile based on the configuration of the specified port.

%SERIAL-E-CLI_NON_WAN_PORT cli: Port <*port*> is not a WAN port

Explanation:

The specified port is not a WAN port, while the CLI command pertains to WAN.

Recommended Action:

Correct the port in the CLI command.

%SERIAL-E-CLI_SERVICE_PROFILE_IN_USE cli: the service profile is being used

Explanation:

Cannot negate a service profile definition while it is applied to the port.

Recommended Action:

Negate the CLI command that applies the service profile to the port before negating the service profile definition.

%SERIAL-E-CLI_SERVICE_PROFILE_NON_EXISTING cli: Service profile: <*name*> does not exist. Please use WAN define command first

Explanation:

Attempt to apply a non-existent service profile to a port.

Recommended Action:

Make sure the specified service profile is defined before application.

%SERIAL-E-CLI_WAN_PORT_OUT_OF_RANGE cli: Port num <*port*> is out of range

Explanation:

The specified port is not valid for a WAN card. WAN cards may have 2 or 4 ports.

Recommended Action:

Correct the port number.

%SERIAL-E-EGRESS_IMUX_DEC_FAIL egress: failed to forward on port <*port*>

Explanation:

Ethernet backplane interface is overloaded with data frames forwarded by IMUX.

Recommended Action:

If the problem persists, contact Riverstone Technical Support.

%SERIAL-E-EGRESS_FR_DEC_FAIL egress: failed to forward from vc <*number*> on port <*name*>

Explanation:

Frame relay packet received can’t be forwarded.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SERIAL-E-EGRESS_PPP_DEC_FAIL egress: failed to forward on port <*name*>

Explanation:

PPP packet received can’t be forwarded.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SERIAL-E-IPC_SEND_FAILED IPC send failed in routine <*name*> with code <*number*>

Explanation:

Router failed to communicate with WAN module.

Recommended Action:

Hotswap the WAN module.

%SERIAL-E-IPDSTADDR_REUSE_PORT peer address <*ip-address*> is already used by interface on slot: <*number*> port: <*port*> and can't be reassigned to slot: <*number*>, port: <*port*>

Explanation:

This message appears when trying to assign the same IP peer address to different ports.

Recommended Action:

Use different peer addresses for different interfaces.

%SERIAL-E-IPDSTADDR_REUSE_VC peer address <*ip-address*> is already used by interface on slot: <*number*> port: <*port*> and can't be reassigned to slot: <*number*>, port: <*port*>, vc: <*number*>

Explanation:

This message appears when trying to assign the same IP peer address to different frame relay VCs.

Recommended Action:

Use different peer addresses for different interfaces.

%SERIAL-E-IPXDSTADDR_REUSE_PORT peer address <*ipx-address*> is already used by interface on slot: <*number*> port: <*port*> and can't be reassigned to slot: <*number*>, port: <*port*>

Explanation:

This message appears when trying to assign the same IPX peer address to different ports.

Recommended Action:

Use different peer addresses for different interfaces.

%SERIAL-E-IPXDSTADDR_REUSE_VC peer address <*ipx-address*> is already used by interface on slot: <*number*> port: <*port*> vc: <*number*> and can't be reassigned to slot: <*number*>, port: <*port*>, vc: <*number*>

Explanation:

This message appears when trying to assign the same IPX peer address to different frame relay VCs.

Recommended Action:

Use different peer addresses for different interfaces.

%SERIAL-E-LOOPBACK_FRAMING_WRONG Loopback codes using facility data link (FDL) require line to be in ESF framing

Explanation:

You attempted to use one of the FDL loopback codes on a T1 line that is not configure for ESF framing.

Recommended Action:

Configure the T1 line for ESF framing, then set the required FDL loopback code.

%SERIAL-E-MLPASSEMBLY received a new frame on <*port*> before the previous frame was assembled

Explanation:

The frame cannot be assembled because one or more fragments were lost.

Recommended Action:

No action.

%SERIAL-E-MLPCREATIONFAILED failed to create mp group (<*group*>) since slot <*slot*> can only have <*number*> mp groups

Explanation:

An attempt was made to create more MP groups than the number of available physical ports.

Recommended Action:

Check the configuration and make sure that the number of MP bundles are less than the number of physical ports on the module.

%SERIAL-E-RATESHAPEBADNAMELEN Unable to apply rate shaping template <*template*> -- template name length too long

Explanation:

The length of the template name you specified is too long.

Recommended Action:

Enter a name with a maximum length of 15 characters.

%SERIAL-E-RATESHAPEDELRULENOEXIST Unable to negate rate shaping template <*template*> -- template has not been previously applied to specified port

Explanation:

The template has not been applied to the specified port.

Recommended Action:

Specify the correct port. Use the **`wan show rate-shape-policies`** command to display the list of templates applied to a port.

%SERIAL-E-RATESHAPEDELRULENOMEM Unable to negate rate shaping template <*template*> -- insufficient memory to reconfigure

Explanation:

Insufficient memory to negate the rate shaping template.

Recommended Action:

Check system memory use.

%SERIAL-E-RATESHAPEINTTOOSMALL Unable to apply rate shaping template <*template*> -- the sampling interval (Tc=Bc/CIR) is too small; use a bigger value for Bc (min Tc is <*minvalue*>)

Explanation:

The values you entered for Bc and CIR have resulted in a sampling interval (Tc=Bc/CIR) that is less than the specified minimum sampling interval <*minvalue*>.

Recommended Action:

Either increase Bc, or decrease the CIR.

%SERIAL-E-RATESHAPEIPEXISTS Unable to apply rate shaping template <*template*> -- a different template has already been applied to traffic on the specified IP address/mask

Explanation:

The specified IP address/mask has already had a template applied to it.

Recommended Action:

Either specify a different IP address/mask, or remove the original template from the specified IP address/mask and apply the new template.

%SERIAL-E-RATESHAPENOMEM Unable to apply rate shaping template <*template*> -- insufficient memory

Explanation:

Insufficient memory trying to apply a rate shaping template.

Recommended Action:

Check system memory use.

%SERIAL-E-RATESHAPEPOEEXISTS Unable to apply rate shaping template <*template*> -- a different template has already been applied to traffic from the source port

Explanation:

The source port has already had a template applied to it.

Recommended Action:

Either specify a different source port, or remove the original template from the specified port and apply the new template.

%SERIAL-E-RATESHAPERULEXISTS Unable to apply rate shaping template <*template*> -- template previously applied for same port parameters

Explanation:

The template was previously applied to the specified ports.

Recommended Action:

If the rate shaping template has not been modified since you applied it to the specified ports, then no action is needed. Otherwise, negate the configuration command used to apply this template, then re-enter the command.

%SERIAL-E-RATESHAPEVIDEXISTS Unable to apply rate shaping template <*template*> -- a different template has already been applied to traffic on the specified VLAN

Explanation:

The VLAN has already had a template applied to it.

Recommended Action:

Either specify a different VLAN, or remove the original template from the specified VLAN and apply the new template.

%SERIAL-E-WAN_NO_MEM can’t allocate memory on wan card

Explanation:

Ran out of memory on WAN card.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

55 SERVICE MESSAGES

This chapter describes the messages for the SERVICE facility (Service messages).

55.1 INFORMATIONAL MESSAGES

%RL-I-SERVICE_CREATED Service %s has been successfully created

Explanation:

The service has been successfully created. %s is the name of the service.

Recommended Action:

Informational message. No action necessary.

%RL-I-SERVICE_DELETED Service %s has been successfully deleted

Explanation:

The service has been successfully deleted. %s is the name of the service.

Recommended Action:

Informational message. No action necessary.

%RL-I-SERVICE_INTERFACE Service %s has been successfully %s %s interface

Explanation:

A service has been successfully attached to or detached from an interface.

Recommended Action:

Informational message. No action necessary.

%RL-I-SERVICE_PORT Rate limit service %s has been successfully %s ports %s

Explanation:

A service has been successfully attached to or detached from a port.

Recommended Action:

Informational message. No action necessary.

56 SMARTTRUNK MESSAGES

This chapter describes the messages for the SmartTRUNK facility.

56.1 INFORMATIONAL MESSAGES

%STRNK-I-CREATED SmartTRUNK(s) <*name*> are successfully created

Explanation:

This message is displayed when a SmartTRUNK has been successfully created.

Recommended Action:

Informational Message. No action necessary.

%STRNK-I-PORTSADDED Ports <*port_name*> added to SmartTRUNK <*name*>

Explanation:

This message is displayed when ports have been added to a SmartTRUNK.

Recommended Action:

Informational Message. No action necessary.

%STRNK-I-PORTSREMOVED Ports <*port_name*> removed from SmartTRUNK <*name*>

Explanation:

This message is displayed when ports have been removed from a SmartTRUNK.

Recommended Action:

Informational Message. No action necessary.

%STRNK-I-REMOVED SmartTRUNK <*name*> removed

Explanation:

This message is displayed when a SmartTRUNK has been removed.

Recommended Action:

Informational Message. No action necessary.

%STRNK-I-STATUS SmartTRUNK status change detected: st.<*name*> - <*status*>

Explanation:

This message is displayed when a SmartTRUNK operational status has changed.

Recommended Action:

Informational Message. No action necessary.

56.2 WARNING MESSAGES

%STRNK-W-ADDED Port <*port_name*> already part of SmartTRUNK <*name*>

Explanation:

This error message is displayed when the user attempts to add a port to a SmartTRUNK and the port is already a member of the same SmartTRUNK.

Recommended Action:

Verify the port specified is not a member of the specified SmartTRUNK.

%STRNK-W-AGGINGERROR SmartTRUNK <*name*> aged out due to <*string*>, probable misconfiguration

Explanation:

This message is displayed when the Hunt Group protocol receives an invalid control message or does not receive a hello message within a specific period. The SmartTRUNK is brought down as a result of this.

Recommended Action:

Check connection and remote switch state.

%STRNK-W-GCASTRLSE Cannot release multicast entry <number

Explanation:

This message is displayed when a groupcast entry cannot be released.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STRNK-W-INVLD Received ctrl pkt on <*port_name*> port <*port_number*> not part of hunt group

Explanation:

This message is displayed when a SmartTRUNK control packet was received on a SmartTRUNK port which does not have the Hunt Group protocol enabled.

Recommended Action:

Verify SmartTRUNK has Hunt Group protocol enabled.

%STRNK-W-MISCONFIG SmartTRUNK <*name*> misconfigured on port <*port_name*>

Explanation:

This message is displayed when SmartTRUNK is misconfigured, e.g. 2 ports of a SmartTRUNK are connected to 2 different remote switches. Seen only if the Hunt Group protocol is enabled.

Recommended Action:

Verify SmartTRUNK connections/configuration.

%STRNK-W-TIMEOUTIGNORED Timeout <*seconds*> ignored for SmartTRUNKs <*name*> as no protocol is enabled, using default timeout of 1 second

Explanation:

This message is displayed when the timeout is specified for a SmartTRUNK in a no-protocol mode.

Recommended Action:

No action required, timeout is ignored.

56.3 ERROR MESSAGES

%STRNK-E-CREATEQ Error creating LGRP queue

Explanation:

This message is displayed when a queue for the link group cannot be created due to lack of resources.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STRNK-E-DIFFGRP Port(s) <*port_name*> already part of a different SmartTRUNK

Explanation:

This error message is displayed when the user attempts to add a port to a SmartTRUNK and the port is already a member of an existing SmartTRUNK group.

Recommended Action:

Verify the port specified is not a member of another SmartTRUNK.

%STRNK-E-DISABLED SmartTRUNK is disabled, cannot transmit data

Explanation:

This message is displayed when a SmartTRUNK has been administratively disabled or all ports of a SmartTRUNK are inactive.

Recommended Action:

Enable SmartTRUNK or check for misconfiguration of SmartTRUNK.

%STRNK-E-DIFFHASH Hash Function for <*port_name*> is different than %s

Explanation:

The hash mode of this mode does not match that of the other ports belonging to the SmartTRUNK.

Recommended Action:

Check the has mode of the ports belonging to the SmartTRUNK and set the port's hash mode appropriately.

%STRNK-E-DIFFMEDIA Media type of port '<*port_name*> does not match that of all other ports

Explanation:

The media type of the port being added is not the same as the media type of the other ports belonging to the SmartTRUNK.

Recommended Action:

Check the media type of the ports belonging to the SmartTRUNK and use the appropriate media type.

%STRNK-E-DIFFNEGOTIATION Port <*port_name*> auto-negotiation setting does not match %s setting

Explanation:

The auto negotiation setting of the port being added is not the same as that of the other ports in the same trunk.

Recommended Action:

Change the auto negotiation setting of the port to that of the other ports in the SmartTRUNK.

%STRNK-E-DIFFSPEED Port speed of <*port_name*> does not match speed of other STRNK ports

Explanation:

The speed of the port being added is to the same as that of the other ports already part of the SmartTRUNK.

Recommended Action:

Check the speed of the ports belonging to the SmartTRUNK and use a port of the appropriate speed.

%STRNK-E-DUPX Port <*port_name*> is not full-duplex, cannot add to SmartTRUNK

Explanation:

The port being added to the SmartTRUNK should be full duplex. A half duplex port cannot be added to the SmartTRUNK.

Recommended Action:

Check the settings of the port and make it full duplex.

%STRNK-E-EXISTS SmartTRUNK <*name*> already exists

Explanation:

This message is displayed when the SmartTRUNK being created already exists.

Recommended Action:

Verify the name of the SmartTRUNK being created.

%STRNK-E-FAILED SmartTRUNK(s) <*name*> could not be created

Explanation:

This message is displayed when an error is encountered while creating a SmartTRUNK because system memory is insufficient.

Recommended Action:

Upgrade memory on Control Module.

%STRNK-E-FAILREGMCASTADDR Failed to register multicast address

Explanation:

The register groupcast call to the kernel failed.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STRNK-E-MCASTREG Cannot register huntgroup mcast address

Explanation:

This message is displayed when the link group task is unable to register the hunt group multicast address.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STRNK-E-NEGFAILED SmartTRUNK(s) <*name*> could not be deleted

Explanation:

This message is displayed when a SmartTRUNK is being deleted and if the SmartTRUNK has member ports on it or the SmartTRUNK has other actions created on it.

Recommended Action:

Remove all member ports. Verify no other action is present on the SmartTRUNK.

%STRNK-E-NONENET Cannot add non ethernet port <*port_name*> to SmartTRUNK

Explanation:

This message is displayed when a non ethernet port, WAN HSSI or Serial, is added to a SmartTRUNK. SmartTRUNK only supports Ethernet, Fast Ethernet or Gigabit Ethernet ports.

Recommended Action:

Verify the port being added to a SmartTRUNK is an ethernet port.

%STRNK-E-NOMEM Out of memory, cannot transmit control packets

Explanation:

The link group task cannot allocate memory.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STRNK-E-OTHERCMDS Remove other commands for <*name*> before deleting SmartTRUNK

Explanation:

This message is displayed when SmartTRUNK is deleted and there are actions on SmartTRUNK that have not been removed.

Recommended Action:

Remove command enable on SmartTRUNK before negating SmartTRUNK.

%STRNK-E-PORTSATTACHED Remove member ports from <*name*> before deleting SmartTRUNK

Explanation:

This message is displayed when a SmartTRUNK is deleted before the member ports are deleted.

Recommended Action:

Delete ports from SmartTRUNK before deleting SmartTRUNK.

%STRNK-E-STNOTFOUND SmartTRUNK <*name*> not found

Explanation:

This message is displayed when a non-existent SmartTRUNK is specified for any SmartTRUNK command.

Recommended Action:

Verify SmartTRUNK has been created.

%STRNK-E-TIMER Cannot create STRNK global timer

Explanation:

The timer call to the kernel failed.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STRNK-E-XMTQFULL Cannot send packet, transmit Q full

Explanation:

This message is displayed when the queue for sending control packets is full and SmartTRUNK control packets cannot be transmitted.

Recommended Action:

None.

%STRNK-E-INTRUNK Invalid port %s. This port is part of %s %s %d

Explanation:

The port is part of a SmartTRUNK and can not be used independantly.

Recommended Action:

Either:

- Reconfigure the port to remove it from the SmartTRUNK.
- Do not use the port independantly.

57 SNMP MESSAGES

This chapter describes the messages for the Simple Network Management Protocol (SNMP) facility.

57.1 INFORMATION MESSAGES

%SNMP-I-DISABLED SNMP Agent disabled

Explanation:

The SNMP Agent on the router has stopped.

Recommended Action:

Informational message. No action required.

%SNMP-I-ENABLED SNMP Agent enabled

Explanation:

The SNMP Agent on the router has started.

Recommended Action:

Informational message. No action required.

%SNMP-I-RMON_ENABLED RMON agent enabled.

Explanation:

RMON is enabled on the router.

Recommended Action:

Informational message. No action required.

%SNMP-I-DS_REGISTERED RMON Data Source registered.

Explanation:

RMON data source is registered on the router.

Recommended Action:

Informational message. No action required.

%SNMP-I-DS_UNREGISTERED RMON Data Source un-registered.

Explanation:

RMON data source is un-registered on the router.

Recommended Action:

Informational message. No action required.

%SNMP-I-SENT_TRAP Sending SNMPv1 trap <*trap*> to management station

Explanation:

The SNMP Agent sent the specified Trap to the Management Station.

Recommended Action:

Informational message. No action required.

57.2 WARNING MESSAGES

%SNMP-W-RMON_DISABLED RMON Agent resource allocation failure.

Explanation:

RMON agent resource allocation has failed.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

57.3 ERROR MESSAGES

%SNMP-E-BINDPORT bind to udp/<*number*> failed. Agent is disabled : <*string*>

Explanation:

This message is displayed when a system software error has occurred.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SNMP-E-DS_REG_FAILED Internal Error Data Source NOT registered.

Explanation:

The router is out of memory and RMON cannot get what it needs.

Recommended Action:

Use the system show capacity memory command to see memory usage.

%SNMP-E-RMON_MEM nwMemAlloc Failed: <name> index <number> (max <size> Meg). Please allocate more RMON memory.

Explanation:

RMON is out of memory.

Recommended Action:

Allocate more memory with the RMON set memory command. Verify the memory with the RMON show status command.

%SNMP-E-NO_ENABLED_TARGETS No configured managers are enabled to receive SNMPv1 traps

Explanation:

Even though an agent has been configured to send SNMP Traps to a manager, a trap cannot be sent by the router because the configuration has them all disabled.

Recommended Action:

Enable the Management Station to receive SNMPv1 traps in the config file.

%SNMP-E-NO_TARGETS No managers defined to receive SNMPv1 traps

Explanation:

The SNMP Agent cannot send a Trap because the user did not define a Management Station to receive the trap.

Recommended Action:

Specify a Management Station to receive SNMPv1 traps.

%SNMP-E-KILLTIMER Internal Error deleting timer failed code <*number*>

Explanation:

This message is displayed when a system software error has occurred.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SNMP-E-TRAP_DISABLED This trap type has been disabled

Explanation:

The specified trap cannot be sent because this trap type has been disabled.

Recommended Action:

Enable the sending of this trap type in the configuration file.

%SNMP-E-STOPTIMER Internal Error stop timer failed code <*number*>

Explanation:

This message is displayed when a system software error has occurred.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SNMP-E-TEGSET Internal Error signal snmp task failed code <*number*>

Explanation:

This message is displayed when a system software error has occurred.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SNMP-E-TMRCREATE Internal error when creating timer code <*number*>

Explanation:

This message is displayed when a system software error has occurred.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SNMP-E-TRAP send trap pdu to host "<*host_name*>" failed : <*error*>

Explanation:

This message is displayed when a system software error has occurred.

Recommended Action:

Check your network connection via ping or traceroute.

%SNMP-E-WRITECONFIG Internal Error writing startup file code <*number*>

Explanation:

This message is displayed when a system software error has occurred.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SNMP-E-WRITETRANS Internal Error writing scratchpad file code <*number*>

Explanation:

This message is displayed when a system software error has occurred.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SNMP-E-SEND_PDU, Send PDU to manager 11.93.201.36 failed No route to host

Explanation:

The switch can not find a route to the IP address.

Recommended Action:

Add a route.

58 SR MESSAGES

This chapter describes the messages for the SysReg facility.

58.1 WARNING MESSAGES

%SR-W-QSENDFULL queue full

Explanation:

This message is displayed when an internal error has occurred.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SR-W-START_TIMER_FAILED Debounce, NUE_Start_Timer

Explanation:

An internal error has occurred.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SR-W-RESTART_TIMER_FAILED Debounce, NUE_Restart_

Explanation:

An internal error has occurred.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SR-W-STOP_TIMER_FAILED Debounce, NUE_Stop_Timer

Explanation:

An internal error has occurred.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SR-W-WAIT_TEG_EVENTS Debounce, NUE_Wait_For_TEG_Events

Explanation:

An internal error has occurred.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

58.2 ERROR MESSAGES

%SR-E-DIAGQ Couldn’t create DIAGNOSTIC Queue

Explanation:

An internal error has occurred.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SR-E-SPURIOUSINT spurious interrupt, unknown reason

Explanation:

This message is displayed when something interrupts system operation. This message is often caused by thermal conditions.

Recommended Action:

Check for fan failure.

58.3 FATAL MESSAGES

%SR-F-NOSTKMEM not enough memory to allocate HISR stack

Explanation:

An internal error has occurred.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SR-F-HISRFAIL failed to create driver HISR, sts=%d

Explanation:

An internal error has occurred.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SR-F-LISRFAIL failed to register driver LISR, sts=%d

Explanation:

An internal error has occurred.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SR-F-QSENDFAIL queue send failed, sts=%d

Explanation:

An internal error has occurred.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SR-F-CREATE_EVENT_GROUP_FAILED Create Event Group Failed, sts=%d

Explanation:

An internal error has occurred.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SR-F-CREATE_TIMER_FAILED NU_Create_Simple_Timer failed, sts=%d

Explanation:

An internal error has occurred.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

59 STATIC MESSAGES

This chapter describes the messages for the STATIC facility.

59.1 ERROR MESSAGES

%STATIC_E-DUPLICATEGWAYS Route to destination %s has gateway <*name*> specified multiple times.

Explanation:

This message is displayed when the command to add a static route failed because duplicate gateways are specified with gate-list option.

Recommended Action:

Do not specify duplicate gateway addresses in gate-list option.

%STATIC-E-GLISTEXISTS Gateway List exists with this static route.

Explanation:

This error message is displayed when the user attempts to specify a static route for a Gateway List, but the given static route already exists.

Recommended Action:

Specify a different static route and/or associated Gateway List.

%STATIC_E_GLISTALLOCFAIL Calloc failed for Gateway List.

Explanation:

The command to add a static route failed due to a memory allocation error.

Recommended Action:

Try re-executing the command. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STATIC-E-GWAYALLOCFAIL Calloc failed for Gateway.

Explanation:

The command to add a static route failed due to a memory allocation error.

Recommended Action:

Try re-executing the command. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STATIC-E-GWAYEXISTS Gateway exists with this static route.

Explanation:

This error message is displayed when the user attempts to specify a static route for a Gateway but the given static route already exists.

Recommended Action:

Specify a different static route and/or associated Gateway.

%STATIC-E-GWAYNULL Nonexistent Gateway for static route.

Explanation:

The software component that manages static route resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STATIC_E_GWAYIFLISTEXISTS Gateway or Interface list option specified with this static route.

Explanation:

This error message is displayed when the user attempts to specify a static route with interface or gateway option but the given static route already exists with either intf-list or gate-list option.

Recommended Action:

Specify a different static route or remove the existing route with intf-list or gate-list option and later add static route with interface or gateway option.

%STATIC_E_GWAYREACHEN0 Gateway <*name*> for the default route is only reachable through en0 interface.

Explanation:

This message is displayed when the command to add a static route failed because the gateway is reachable only through the en0 interface.

Recommended Action:

Specify the proper gateway address. The gateway should be reachable through an interface other than en0.

%STATIC-E-IFLISTEXISTS Interface List exists with this static route.

Explanation:

This error message is displayed when the user attempts to specify a static route for an Interface List, but the given static route already exists.

Recommended Action:

Specify a different static route and/or associated Interface List.

%STATIC_E_IFLISTALLOCFAIL Calloc failed for Interface List.

Explanation:

The command to add a static route failed due to a memory allocation error.

Recommended Action:

Try re-executing the command. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STATIC_E_ILLGWAYVAL Gateway address cannot be zero or multicast address.

Explanation:

This message is displayed when the command to add a static route failed because of invalid gateway address.

Recommended Action:

Specify the proper gateway address. It should not be zero or a multicast address.

%STATIC-E-INTFALLOCFAIL Calloc failed for Interface.

Explanation:

The command to add a static route failed due to a memory allocation error.

Recommended Action:

Try re-executing the command. If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STATIC-E-INTFEXISTS Interface exists with this static route.

Explanation:

This error message is displayed when the user attempts to specify a static route for an interface, but the given static route already exists.

Recommended Action:

Specify a different static route and/or associated interface.

%STATIC-E-INTFNULL Nonexistent Interface for static route.

Explanation:

The software component that manages static route resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STATIC_E_MAXINTFSXCEEDED Maximum number of interfaces <*number*> exceeded.

Explanation:

This message is displayed when the command to add a static route failed because the number of maximum interfaces for intf-list option is exceeded.

Recommended Action:

Specify interfaces only upto maximum interfaces in intf-list option.

%STATIC_E_MAXGATESXCEEDED Maximum number of gateways <*number*> exceeded.

Explanation:

This message is displayed when the command to add a static route failed because the number of maximum gateways for gate-list option is exceeded.

Recommended Action:

Specify gateways only upto maximum gateways in gate-list option.

%STATIC-E-NUMOFROUTEERR Numof interfaces mismatch (max <*number*> cur <*number*>.

Explanation:

The software component that manages static route resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STATIC-E-ROUTEEXISTS Static route to network <*name*> already exists.

Explanation:

A static route has been added multiple times.

Recommended Action:

Remove the duplicate static route entries.

%STATIC-E-ROUTENOTFOUND Static route to destination <*name*> not found.

Explanation:

The software component that manages static route resources has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STATIC-E-ROUTEOVFL No more free routes max <*number*> current <*number*>.

Explanation:

The maximum number of static routes that can be configured has been reached.

Recommended Action:

If possible, remove unused static routes.

%STATIC_E_SNGLGWAYIFEXISTS Gateway or Interface option specified with this static route.

Explanation:

This error message is displayed when the user attempts to specify a static route with intf-list or gate-list option but the given static route already exists with either interface or gateway option.

Recommended Action:

Specify a different static route or remove the existing route with interface or gateway option and later add static route with gate-list or intf-list option.

59.2 FATAL ERRORS

%STATIC-F-IOCTL ioctl(<*number*>) failed, errno = <*number*>

Explanation:

System resources are limited and the STATIC request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

60 STP MESSAGES

This chapter describes the messages for the STP facility.

60.1 INFORMATIONAL MESSAGES

%STP-I-MISMATCH Port <*port*> cannot be added to <smarttrunk> because of attribute mismatch

Explanation:

The specified port cannot be added to the SmartTRUNK because the attributes of the port do not match that of the SmartTRUNK.

Recommended Action:

Modify the port's attributes to make them compatible with that of the SmartTRUNK.

%STP-I-BPDU_FILTER BPDU filter on port <*number*> has been <*"disabled" or "enabled"*>

Explanation:

This message is displayed to inform the user whether the BPDU filter on the given port has been enabled or disabled.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%STP-I-PORT_STATUS Port status change detected: <*number*> - <*text*>

Explanation:

The link state of the port has changed.

Recommended Action:

This message is displayed for the user’s benefit. No action is required.

60.2 WARNING MESSAGES

%STP-W-PORTSTATE port state value '<*number*>' not valid

Explanation:

This message is displayed when the port state is not valid.

Recommended Action:

Verify port’s operational state.

60.3 ERROR MESSAGES

%STP-E-COSTSETCANTDELLG Port cost is set for the %s, negate the stp port cost and then delete the %s.

Explanation:

This message is displayed when the port cost has been set on a SmartTRUNK and the user tries to delete the SmartTRUNK.

Recommended Action:

Negate the port set cost command before deleting the SmartTRUNK.

%STP-E-CREATEQ error creating '<*name*>' queue - error=<*error_code*>

Explanation:

This message is displayed when there was an error creating STP queue.

Recommended Action:

The error could be due to a lack of resources (-32) or an invalid event was specified (-8).

%STP-E-CANTADDDFLT Cannot add DEFAULT vlan to spanning tree

Explanation:

This message is displayed when the user tries to create a PVST instance on the default VLAN.

Recommended Action:

A PVST instance cannot be created on the default VLAN. The default VLAN has a default spanning tree associated with it.

%STP-E-DFLTNOTALWD User STP facility for accessing default spanning tree

Explanation:

This message is displayed when PVST config facility is used to access the default spanning tree.

Recommended Action:

Us the STP config facility to access the default spanning tree.

%STP-E-EVENTWAIT error in wait for events

Explanation:

This message is displayed when any of the resources required for the full operation of the STP protocol could not be created.

Recommended Action:

This error could be because the STP timer could not be created or the bridge group management address could not be registered or the BPDUs receive queue could not be created. This could be due to a lack of resources. Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STP-E-FACADD error adding facility '<*name*>'

Explanation:

System resources are limited and the STP system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STP-E-FAILREGMGMTADDR failed to register bridge group address

Explanation:

This message is displayed when bridge group address is not registered.

Recommended Action:

This error is due to an invalid bridge management group address or VLAN or port number.

%STP-E-MCASTREG error registering multicast address - error=<*error_code*>

Explanation:

This message is displayed when the bridge group management address could not be registered.

Recommended Action:

The error could be due to the registration table being full (-51) or the address is not a multicast address (-55).

%STP-E-NOFLOWFORCESTP Can’t enable flow-bridging-mode and force-STP-state simultaneously on port <*number*>

Explanation:

This error message is displayed when the user attempts to issue the **`stp force`** command for a port that is already assigned flow-bridging-mode.

Recommended Action:

Remove the port from the flow-bridging-mode and then issue the **`stp force`** command for the desired port.

%STP-E-NOMEM processing error - insufficient memory

Explanation:

This message is displayed when memory could not be allocated.

Recommended Action:

This error is due to the unavailability of memory. Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STP-E-NOPVST Unable to access STP port information

Explanation:

This message is displayed when the STP task is not able to determine the STP information for the port.

Recommended Action:

Check the port for correctness. Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%STP-E-NOSTP STP should be enabled on port <*number*> for force-STP-state to succeed

Explanation:

This error message is displayed when the user attempts to issue the stp force command for a port that has not had STP enabled.

Recommended Action:

Enable STP on the desired port and then issue the stp force command for the port.

%STP-E-NOSUCHPVST The Spanning Tree for vlan %s does not exist

Explanation:

This message is displayed when there does not exist a PVST instance for the specified VLAN name.

Recommended Action:

Check the VLAN name for correctness, if a spanning tree instance has not been created for the desired VLAN, create it.

%STP-E-NOSUCHVLAN VLAN '<*name*>' does not exist

Explanation:

This error message is displayed when the user attempts to specify an invalid VLAN name.

Recommended Action:

Ensure that you are properly specifying a valid VLAN name and try again.

%STP-E-NOTMEMBOFPVST The Port is not a member of this spanning tree

Explanation:

This message is displayed when the user is trying to configure STP parameters for a port which does not belong to the PVST instance specified.

Recommended Action:

Either the port or the PVST instance specified is incorrect. Adjust parameters as appropriate.

%STP-E-NOTMEMOFVLAN Port is not a member of vlan %s

Explanation:

This message is displayed when the user tries to enable PVST on a port for a particular VLAN and the port is not part of the VLAN.

Recommended Action:

Check the command for correctness and try the command again.

%STP-E-NOWAN Spanning Tree is not supported on WAN modules

Explanation:

You cannot enable STP on a WAN port because it is not a supported operation.

Recommended Action:

None.

%STP-E-PORTDISABLEDBYMGMT Unable to set vlan <*VLAN_name*> to state <*state_name*> because port is administratively disabled

Explanation:

This error message is displayed when the user attempts to issue the stp force command on a given port that had been previously disabled by the network administrator using a “port disable” command.

Recommended Action:

Negate (delete) the “port disable” designation on the desired port and then issue the stp force command to set the port state.

%STP-E-PORTNO port no '<*port_number*>' is invalid

Explanation:

This message is displayed when the port number is invalid.

Recommended Action:

The port number is currently unavailable on the system.

%STP-E-PRISETCANTDELLG Priority is set for the %s, negate stp set priority and then delete the %s

Explanation:

This message is displayed when the user has configured a priority for the SmartTRUNK and tries to delete the SmartTRUNK.

Recommended Action:

Negate the port set priority command before deleting the SmartTRUNK.

%STP-E-PVSTENBLD Disable STP on all ports for this spanning tree first

Explanation:

This message is displayed when the user tries to delete the remove ports from a VLAN or when the user tries to negate the PVST create command on a VLAN, while PVST is enabled on some of the ports belonging to the VLAN.

Recommended Action:

Disable PVST on the ports before negating any of the above commands.

%STP-E-STATESETCANTDELLG %s state has been administratively disabled, negate the disabled line and then delete the %s.

Explanation:

This message is displayed when the SmartTRUNK state has been administratively disabled and the user tries to delete the SmartTRUNK.

Recommended Action:

Negate the disabled command before deleting the SmartTRUNK.

%STP-E-STNOTFOUND <3> %s %s.%d not found

Explanation:

This message is displayed when the STP task cannot find the SmartTRUNK specified.

Recommended Action:

Check the SmartTRUNK instance specified and try the command again.

%STP-E-STPSETCANTDELLG STP is enabled on %s, negate the stp enable command and then delete the %s.

Explanation:

This message is displayed when STP is enabled on a SmartTRUNK and the user tries to delete the SmartTRUNK.

Recommended Action:

Disable STP on the SmartTRUNK and then negate the SmartTRUNK.

%STP-E-STRTTIMER error starting '<*stp*>' timer - error=<*error_code*>

Explanation:

This message is displayed when the STP timer could not be started.

Recommended Action:

The STP timer was not created and therefore could not be started.

%STP-E-TIMER error creating '<*stp*>' timer - error=<*error_code*>

Explanation:

This message is displayed when an STP timer could not be created.

Recommended Action:

The error could be due to a lack of resources (-32) or an invalid parameter was passed to the timer creation routine (-13).

%STP-E-UNABLETOSETSTATE Unable to set vlan <*VLAN_name*> to state <*state_name*>

Explanation:

This error message is displayed when the user attempts to issue the stp force command on a port to which this sort of assignment has already been made. (The new stp force designation cannot overwrite the old one.)

Recommended Action:

Negate (delete) the original stp force command and then try to set the appropriate state for the given port again.

%STP-E-VNAMINVALID Vlan Name %s is Invalid

Explanation:

This message is displayed when the VLAN name supplied in the command is invalid.

Recommended Action:

Check the VLAN name for correctness and try the command again.

%STP-E-XMTQFULL unable to send frame xmit queue full

Explanation:

This message is displayed when the STP BPDUs could not be sent.

Recommended Action:

This could be because the transmit queue is full or there is indication that the STP frame is to be dropped.

%STP-E-NOENABLESTPPORT STP cannot be enabled individually on port(s) belonging to a bundle. Must enable STP on the bundle itself.

Explanation:

STP can not be enabled individually on member ports of an MLPP bundle.

Recommended Action:

Enable STP on the MLPP bundle itself.

%STP-E-NODISABLESTPPORT STP cannot be disabled individually on port(s) belonging to a bundle. Must disable STP on the bundle itself.

Explanation:

STP can not be disabled individually on member ports of an MLPP bundle.

Recommended Action:

Disable STP on the MLPP bundle itself.

%STP-E-NOENABLESTPPARAMPORT STP parameters cannot be set/programmed individually on port(s) belonging to a bundle. Must set the desired STP parameter on the bundle itself.

Explanation:

STP configuration parameters can not be enabled individually on member ports of the MLPP bundle.

Recommended Action:

Enable configuration parameters for STP on the MLPP bundle itself.

%STP-E-NODISABLESTPPARAMPORT STP parameters cannot be negated individually on port(s) belonging to a bundle. Must negate the respective STP parameter on the bundle itself.

Explanation:

STP configuration parameters can not be disabled individually on member ports of the MLPP bundle.

Recommended Action:

Disable configuration parameters for STP on the MLPP bundle itself.

60.4 FATAL ERRORS

%STP-F- internal error - no keywords available

Explanation:

This is an internal error message.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

61 SYS MESSAGES

This chapter describes the messages for the SYS facility.

61.1 INFORMATIONAL MESSAGES

%SYS-I-ACTIVEBKPLANE switching fabric in slot <*number*> is currently active

Explanation:

This message shows which switching fabric on an router is currently active.

Recommended Action:

Follow the error message output for an appropriate resolution to the problem.

%SYS-I-ADDFAILED Image '<*name*>' not added

Explanation:

This message is displayed when the system is unable to add the specified router system address.

Recommended Action:

Follow the error message output for an appropriate resolution to the problem.

%SYS-I-ADD_IMAGE_BACKUP_FAIL Failure to add image to Backup CM.

Explanation:

This message is displayed when the image has not been added to the backup control module.

Recommended Action:

Try to added the image to the backup control module again.

%SYS-I-BKPLANEINSERTED <*name*> module inserted in slot <*number*>

Explanation:

This message appears when a switching fabric is hotswapped into the router.

Recommended Action:

This message is displayed for the user’s benefit. No action is required.

%SYS-I-BKPLANEOFFLINED <*name*> module in slot <*number*> off-lined by operator

Explanation:

This message appears when a switching fabric is hotswapped out of the router.

Recommended Action:

This message is displayed for the user’s benefit. No action is required.

%SYS-I-BKPLANEREMOVED <*name*> module removed from slot <number>

Explanation:

This message appears when a switching fabric is hotswapped out of the router.

Recommended Action:

This message is displayed for the user’s benefit. No action is required.

%SYS-I-BM_PORTDN Port <*port_id*> broadcast rate exceeded.

Explanation:

This message is displayed by the router's broadcast monitor. It indicates that the broadcast threshold has been exceeded and implies that the port will shut down for an interval which was configured by the user.

Recommended Action:

None.

%SYS-I-BM_PORTUP Port <*port_id*> broadcast shutdown period expired.

Explanation:

This message indicates that a port that exceeded the configured broadcast threshold and was shut down for the user-configured shut down period has been re-enabled because the shutdown period has expired.

Recommended Action:

None.

%SYS-I-BOOTADDED Image '<*name*>' added

Explanation:

This message appears when the specified router system image has been successfully added to the external flash.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-CFGTOBACKUP Startup configuration file updated on Backup CM

Explanation:

The Configuration file has been updated on the Backup Control Module.

Recommended Action:

None.

%SYS-I-CFGUPDATED configuration file updated from active control module in slot <*slot_id*>

Explanation:

This message applied to the Backup Control Module. It indicates that the configuration file on the Backup Control Module was updated from the Primary Control module in the other slot.

Recommended Action:

None.

%SYS-I-CHS_BACKUP_OK image successfully chosen on Backup CM

Description:

This message is displayed when you have successfully chooses an image on the backup control module for the next reboot.

Commands:

To choose an image on the backup control module only use:

`system image choose` <*imagename*> **`backup-cm`**

To choose same image on both the primary and backup control modules.

`system image choose` <*imagename*>

Recommended Action:

None.

%SYS-I-CHS_NONE_BACKUP_OK Backup CM-no image chosen for reboot

Description:

This message is displayed when you have successfully chosen no image on the backup control module for the next reboot.

Commands:

To choose no image on the backup control module only use:

system image choose none backup-cm

To choose no image on both the primary and backup control modules.

system image choose none

Recommended Action:

None.

%SYS-I-CHS_NONE_PRIMARY_OK Primary CM-no image chosen for reboot

Description:

This message is displayed when you have successfully chosen no image on the primary control module for the next reboot.

Commands:

To choose no image on the primary control module only use:

system image choose none backup-cm

To choose no image on both the primary and backup control modules.

system image choose none

Recommended Action:

None.

%SYS-I-CHS_PRIMARY_OK image successfully chosen on Primary CM

Description:

This message is displayed when you have successfully chooses an image on the primary control module for the next reboot.

Commands:

To choose an image on the primary control module only use:

`system image choose` <*imagename*> **`primary-cm`**

To choose same image on both the primary and backup control modules.

`system image choose` <*imagename*>

Recommended Action:

None.

%SYS-I-CLI_NO_WAN_PROTO No protocol specified for port <*port*>, use'port set' command to specify the WAN encapsulation

Explanation:

No protocol specified for the port.

Recommended Action:

Use the port set command to specify the WAN port encapsulation protocol.

%SYS-I-CLI_NON_WAN_PORT Port <*port*> is not a wan port

Explanation:

Not a WAN port.

Recommended Action:

Specify a WAN port.

%SYS-I-CLI_ERROR_LEN_FAIL the string length is greater than what is allowed

Explanation:

The specified string is to long.

Recommended Action:

Enter a string within the allowed length.

%SYS-I-CLI_ERROR_TIME_OUT cli command timed out on waiting for a response from wan card

Explanation:

A CLI command was not acknowledged in time. This command will be automatically retried.

Recommended Action:

If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-I CLI_NON_PPP_PORT card <*id*> port <*port_number*> is not a PPP port

Explanation:

An unrecognized opcode was received.

Recommendation:

Retry the command. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-I-CLI_WRONG_OBJECT_ID Got cli msg with unrecognized object id

Explanation:

Command could not be executed because object ID was unknown.

Recommended Action:

Retry the command. If this problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-I-CLI_WRONG_OPCODE Got cli msg with unrecognized opcode

Explanation:

An unrecognized opcode was received.

Recommendation:

Retry the command. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-I-CLI_RECVQ_FAI create receive queue failed, can’t receive msg from wan card

Explanation:

Creation of the receive queue failed.

Recommendation:

Retry the command. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-I-CLI_RECV_FAIL error on receiving msg from wan card, err code <*code*>

Explanation:

There was an error receiving a message from the wan card.

Recommendation:

Retry the command. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-I-CLI_FR_VC_CREATE vc <*number*> doesn't exist.

Explanation:

The specified VC doesn't exist.

Recommended Action:

Create a vc first by using FRAME_RELAY CREATE VC command.

%SYS-I-CLI_WAN_WRONG_PPP_PORT_NAME Wrong PPP port name

Explanation:

The wrong PPP port was specified.

Recommended Action:

Specify the correct PPP port name.

%SYS-I-DEL_BACKUP_OK system image <*imagename*> deleted from Backup CM

Description:

This message is displayed when you have successfully deleted an image on the backup control module,

Commands:

To delete image on backup control module, use:

`system image delete` <*imagename*> **`backup-cm`**

To delete same image from both the primary and backup control modules, use:

`system image delete` <*imagename*>

Recommended Action:

None.

%SYS-I-DELETED_DIRECTORY_ONLY directory <*directory*> was deleted.

Description:

This message is displayed when an image has not been correctly added to the flash card of either the primary or backup control modules. For example, this happens when the router is accidentally powered off during a "system image add" process. If this happens an imagename is resident on the flash card that contains no actual image data. This image will NOT appear under the "system image list" commands. But if you try to add the same image again, the add will fail and a message appears saying "That image is already present".

Recommended Action:

Delete the empty imagename using the **`system image delete`** <*imagename*> command.

%SYS-I-DSCVMOD discovered '<*name*>' module in slot <*number*>

Explanation:

This message specifies the type of hardware module detected during the router's startup sequence.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-FANSOKAY system fans are operational

Explanation:

This is an informational message only.

Recommended Action:

None.

%SYS-I-FLASHCRD Mounting <*number*> *MB* Flash card

Explanation:

This message indicates that the router is attempting to mount an external PCMCIA Flash card.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-FLASHMNTD <*number*>MB Flash card mounted

Explanation:

This message indicates that the router has successfully mounted a PCMCIA Flash card.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-HOTSWAPIN module in slot <*number*> is hotswapped in

Explanation:

This message appears when a module is hotswapped in to the router.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-HOTSWAPOUT module in slot <*number*> is hotswapped out

Explanation:

This message when a module is hotswapped out of the router. The module can be hotswapped out either by pushing the hotswap button on the module or by issuing the system hotswap out command.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-INITPORT initialized slot <*number*>, port <*number*>

Explanation:

This message indicates that the specified port in the given slot number has been initialized.

Recommended Action:

This message is displayed for the user’s benefit. No action is required.

%SYS-I-INITSLOTS Initializing system slots - please wait

Explanation:

This message is displayed when the router is initializing the system slots.

Recommended Action:

This message is displayed for the user’s benefit. No action is required.

%SYS-I-INITSYS initializing system <name>

Explanation:

This message is displayed when the router is initializing.

Recommended Action:

This message is displayed for the user’s benefit. No action is required.

%SYS-I-INVALIDFABSLOT Invalid Fabric Slot %d

Explanation:

Invalid fabric slot number. Valid slots are 1 and 2.

Recommendation:

Enter a valid slot number.

%SYS-I-LANWANOPTIONMIXED Mixed Lan and Wan options

Explanation:

Options are mixed.

Recommended Action:

Specify LAN or WAN options only.

%SYS-I-IPC_FAILURE ipc failure, slot <*slot_id*> port <*port*>

Explanation:

An IPC failure indicates that the card in the specified slot had a hardware fault.

Recommendation:

Verify that the card is seated properly in the chassis. If the problem persists the card needs to be replace.

%SYS-I-MODPROBE Detecting installed media modules - please wait

Explanation:

This is an informational message only.

Recommended Action:

None.

%SYS-I-MIRROR_INFO Mirroring on port <*monitor-port*> for <*target-port*> is enabled or disabled

Explanation:

This message indicates whether port mirroring has been enabled or disabled for the specified port.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-MULTICPU additional CPU Module(s) detected in slot: <*number*>

Explanation:

This message appears when the router has detected an additional CPU module.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-NETSTART network interfaces are now enabled

Explanation:

This message indicates that the network interfaces are up and the router is ready to send and receive traffic.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-NEWBAUD Console baud rate changing from <*number*> to <*number*>

Explanation:

This message indicates that the router console's baud rate has assumed a new value.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-NOBOOTIMAGES No boot images available

Explanation:

This message informs the user that there is no router boot image stored in the current PCMCIA Flash card.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-VC_NEGATE vc can't be negated before all the other commands using vc are negated

Explanation:

The VC can not be negated when there are active commands using the VC.

Recommended Action:

Negate all VC commands before negating the VC.

%SYS-I-NO_COMP module <*module*> in slot <*slot*> does not support compression

Explanation:

The specified module does not support compression.

Recommendation:

Retry the command. If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-I-NO_ENCR module <*id*> in slot <*slot_id*> does not support encryption

Explanation:

The specified module does not support encryption.

Recommendation:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-I-NOFABHOTSWAP System Fabric Hotswap not supported

Explanation:

System Fabric Hotsway is not supported on this system.

Recommendation:

None.

%SYS-I-NOPWRSPLY power supply in slot <*slot*> not present or not turned on

Explanation:

This is an informational message only.

Recommended Action:

None.

%SYS-I-ONLYPHYPORTALLOWED Only physical port names are allowed

Explanation:

Only physical port names are allowed.

Recommended Action:

Specify a physical port.

%SYS-I-ONLYLANPORTALLOWED Only Lan port names are allowed.

Explanation:

Only LAN port names are allowed.

Recommended Action:

Specify a LAN port name.

%SYS-I-PORT_NEGATE port can’t be negated before all the other commands related to the port are negated

Explanation:

The port can not be negated when there are active commands using the port.

Recommended Action:

Negate all port commands before negating the port.

%SYS-I-PWROKAY power supply in slot <*slot*> is operational

Explanation:

This is an informational message only.

Recommended Action:

None.

%SYS-I-PORT_AUTONEG Port <*number*> - Speed: <*number*> - Duplex: <*number*> - Auto-Negotiation: <*number*> - Input Encap: <*number*>

Explanation:

This message displays the autonegotiating characteristics (if any exist) for the given port.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-PWRSPLY

Explanation:

This message indicates which power supply is present or not present, whether it is ON or OFF, Over Temperature, or not and Over Current or not.

Recommended Action:

Depending on the content of the message, you may need to replace the power supply.

%SYS-I-REBOOT System rebooting from <*location*> on <*date*>

Explanation:

This message informs the user that a command to reboot the system has been issued from the given location at the specified date and time.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-SLAVECPU Redundant CPU Module going into standby mode

Explanation:

This message only appears on the console of the slave CPU. It identifies the slave CPU as working in standby mode.

Recommended Action:

This message is displayed for the user's benefit. No action is required.

%SYS-I-SYSIMGTOBACKUP system image sent to backup control module.

Description:

This message is displayed when the system image sent to backup control module. The following CLI commands can be used to perform the indicated system image copy. To add the system image to the backup control module only:

`system image add` <*tftp server ip address*> <*imagename*> **`backup-cm`**

To add a system image to both the primary control module and the backup control module:

`system image add` <*tftp server ip address*> <*imagename*>

or

`system image add tftp://`<*tftp server ip address*>**`/`**<*imagename*>

Recommended Action:

Before you send another command to the backup control module, please wait for the final message. After the image is successfully downloaded to the backup control module, the following final message is sent to the console of the primary control module, i.e., the CLI, by the backup control:
"System image stored on backup control module- complete."

%SYS-I-SLAVECPU Redundant CPU Module going into standby mode

Explanation:

This is an informational message only.

Recommended Action:

None.

%SYS-I-TEMPOKAY system temperature is within operating parameters

Explanation:

This is an informational message only.

Recommended Action:

None.

%SYS-I-WANCLINOMEM wan cli: running out of memory

Explanation:

The CLI facility is running out of memory.

Recommendation:

Increase available memory.

%SYS-I-WANPORTOUTOFRANGE The specified port <*port*> is out of range

Explanation:

Port is out of range.

Recommended Action:

Specify a port that is within range.

%SYS-I-WAN_SYNCH_SUCCESS Successfully synchronized with WAN card on channel <*number*>

Explanation:

This message appears when the Control Module on the router communicates successfully with the specified WAN module during system initialization.

Recommended Action:

This message is displayed for the user’s benefit. No action is required.

61.2 WARNING MESSAGES

%SYS-W-BADPASSWD incorrect password

Explanation:

Supplied password is invalid.

Recommended Action:

If you cannot remember the password, and it needs to be changed, enter boot prompt at console and type **`boot skipconfig=yes`**. This boots without processing the configuration file and hence no password is set. To then modify the password, enter Enable mode, copy the configuration from startup to the scratchpad, modify the password, save back to startup and reboot the system.

%SYS-W-CHANNELIZED_IPC_FAILURE ipc failure, slot <*slot*>, port <*port*>, channel <*channel*>

Explanation:

The system failed to communicate with the specified slot, port and channel.

Recommended Action:

Attempt to execute CLI command again. If the error persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-CLI_CHANNELIZED_ERROR_CONVERSION_FAIL cli command was not sent to slot <*slot*> for port <*port*> due to MLS port to superport conversion failed

Explanation:

A CLI command failed to reach the specified slot and port.

Recommended Action:

Try to execute the CLI command again. If the error persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-CLI_CHANNELIZED_ERROR_MSG_NOT_SENT cli command was not sent to slot <*slot*> for port <*port*> due to message exceeds maximum allowed size

Explanation:

The CLI command could not be sent to the relevant slot because the command exceeded the maximum valid size.

Recommended Action:

Attempt to execute CLI command again. If the error persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-CLI_CHANNELIZED_NO_WAN_CHANNELS_EXIST No channel(s) exist for card <*card*> physical port <*port*>, use 'port set' command to create one or more channels

Explanation:

No channels have been created on the specified port.

Recommended Action:

Create one or more channels using the appropriate port set command.

%SYS-W-CLI_CHANNELIZED_NO_WAN_PORT card <*card*> physical port <*port*> does not exist.

Explanation:

You attempted to configure a port on card that is not present.

Recommended Action:

Re-configure the port for the correct card.

%SYS-W-CLI_CHANNELIZED_SUBPORT_CREATE_FAILURE Subport create failed for physical port <*port*> slot <*slot*> channel <*channel*>.

Explanation:

There was not enough memory available to create the port.

Recommended Action:

If the problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-CLI_CHANNELIZED_SUBPORT_DELETE_FAILURE Subport delete failed for physical port <*port*> slot <*slot*> channel <*channel*>.

Explanation:

This message appears if the user tries to delete a port that has already been deleted.

Recommended Action:

None.

%SYS-W-HEAP75FULL heap is at 75 percent of maximum usage

Explanation:

System is running low on DRAM.

Recommended Action:

Upgrade the amount of DRAM DIMM memory to the next highest recommended amount.

%SYS-W-CLI_CHANNELIZED_NO_WAN_CHANNELS_EXIST No channel(s) exist for card <*card*> physical port <*port*>, use 'port set' command to create one or more channels

Explanation:

No channels have been created on the specified port.

Recommended Action:

Create one or more channels using the appropriate **`port set`** command.

%SYS-W-CLI_CHANNELIZED_NO_WAN_PORT card <*card*> physical port <*port*> does not exist.

Explanation:

You attempted to configure a port on card that is not present.

Recommended Action:

Re-configure the port for the correct card.

%SYS-W-CLI_CHANNELIZED_SUBPORT_CREATE_FAILURE Subport create failed for physical port <*port*> slot <*slot*> channel <*channel*>.

Explanation:

There was not enough memory available to create the port.

Recommended Action:

If the problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-CLI_CHANNELIZED_SUBPORT_DELETE_FAILURE Subport delete failed for physical port <*port*> slot <*slot*> channel <*channel*>.

Explanation:

This message appears if the user tries to delete a port that has already been deleted.

Recommended Action:

None.

%SYS-W-HEAP85FULL heap is at 85 percent of maximum usage

Explanation:

System is running low on DRAM.

Recommended Action:

Upgrade the amount of DRAM DIMM memory to the next highest recommended amount.

%SYS-W-HEAP95FULL heap is at 95 percent of maximum usage

Explanation:

System is running low on DRAM.

Recommended Action:

Upgrade the amount of DRAM DIMM memory to the next highest recommended amount.

%SYS-W-L4CANTADDFLOW All the flows in the hash bin <*bin*> are No Age or Control going to the CPU.

Explanation:

There is a Layer 4 has bin error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-L4BDG L4 bridging configuration error: receive <*string*> packet

Explanation:

The Control Module received a non-IP/IPX packet. The packet has been dropped.

Recommended Action:

If this message appears repeatedly, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-NIAFREETMOUT network interface not responding to packet free requests

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-W-NIAXMTMOUT network interface not responding to packet transmit requests

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-W-NOAUTO_10_100 auto-negotiate on by default. Negate cmd to turn default on.

Explanation:

User attempted to turn on auto-negotiation on ports that already have it on by default.

Recommended Action:

Auto-negotiation is automatically on for 10/100 Mbit ports. To turn off, simply set speed and duplex values for port.

%SYS-W-NOBKPLANES One or more module are required to operate system

Explanation:

There are no module installed.

Recommended Action:

Install modules.

%SYS-W-NOCONFIG no configuration file

Explanation:

This message appears when the router cannot detect any startup configuration file.

Recommended Action:

Ensure that a startup configuration file exists and that the router is able to access that file.

%SYS-W-NOENCHAP <*facility*> capability not available for <*system_name*>

Explanation:

The requested facility is not available.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-NOPASSWD no password for <system_name>, use 'system set password' to add one

Explanation:

This is simply a warning informing the user that the system has no security.

Recommended Action:

Enter Configure mode and set a system password using the **`system set password`** command.

%SYS-W-NOSPEEDDUPLEX cannot set speed/duplex on 1 Gig Port.

Explanation:

Speed and duplex settings are not individually configurable on gigabit ethernet ports.

Recommended Action:

If you want to turn off auto-negotiation on gigabit ethernet ports and set port to full duplex and 1000 Mbits speed, turn off auto-negotiation on the port. This is also useful when connected to a buffered repeater.

%SYS-W-NOSPEEDFIBER cannot set speed to 10Mbits on 100Mbit Fiber Port

Explanation:

This message appears when the user attempts to assign a 10 Mbits speed to a 100Mbits fiber port.

Recommended Action:

This message is merely a warning that such an action cannot be performed. No action, aside from ensuring that a speed of 100Mbits has been assigned to the given fiber port, is required.

%SYS-WPWRFAIL power supply in slot <*slot_number*> has failed.

Explanation:

This message is displayed when the power supply fails.

Recommended Action:

Replace the power supply.

%SYS-W-RMON_TX RMON queue failed: disabling updates

Explanation:

The RMON transmit queue has failed.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-RMON_RX RMON queue empty: enabling updates

Explanation:

The RMON receive queue is enabled.

Recommended Action:

None.

%SYS-W-RTCIVTIME real-time clock had bad time - clock has been reset

Explanation:

This message appears when the real-time clock has become corrupted or otherwise invalid. The time will be reset back to 0.

Recommended Action:

This message is for the user’s benefit. No action is required.

%SYS-W-WAN_TOD_RECVQ_FAIL create queue failed, cannot receive msg from wan card

Explanation:

The create queue has failed and message can not be received from the WAN card.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-WAN_TOD_IPC_RECVQ_FAIL queue registration with IPC failed, cannot receive msg from wan card through IPC

Explanation:

There has been a hardware failure.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-WAN_TOD_TMR_FAIL create timer failed, cannot periodically update time on WAN card

Explanation:

The create timer failed.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-WAN_TOD_RECEIVE_FAIL error on receiving msg from wan card, error code <code>

Explanation:

There was an error receiving an error message.

Recommended Action:

If the problem persists, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-WAN_TOD_WRONG_OBJECT_ID WAN TOD msg received with unrecognized object id = <*object_id*>

Explanation:

A WAN TOD message was received with an unrecognized object identifier.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-WAN_TOD_SEND_FAIL WAN TOD msg not sent due to IPC failure

Explanation:

A WAN TOD message was not sent due to an IPC failure.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-WAN_TOD_WAIT_FAIL WAN TOD event with unsuccessful status

Explanation:

A WAN TOD event was unsuccessful.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-W-CHANNELIZED_IPC_FAILURE ipc failure, slot <*slot*>, port <*port*>, channel <*channel*>

Explanation:

The system failed to communicate with the specified slot, port and channel.

Recommended Action:

Attempt to execute CLI command again. If the error persists, call Riverstone Technical Support.

%SYS-W-CLI_CHANNELIZED_ERROR_CONVERSION_FAIL cli command was not sent to slot <*slot*> for port <*port*> due to MLS port to superport conversion failed

Explanation:

A CLI command failed to reach the specified slot and port.

Recommended Action:

Try to execute the CLI command again. If the error persists, call Riverstone Technical Support.

61.3 ERROR MESSAGES

%SYS-E-AUTOHASH_TASK Creation of auto-hash task failed during <*operation*> operation for channel number <*channel*>

Explanation:

The autohash task was not started on the given channel.

Recommended Action:

None.

%SYS-E-AUTOHASH_CHAN_FAIL Auto-hash not supported for this channel number -- <*channel*>

Description:

The autohash task is not supported for IPP with a major version less than 2.

Recommended Action:

None.

%SYS-E-BAD_IPP_MEM Bad IPP Memory at 0x<*hex_value*> on channel <*number*>

Explanation:

Module in slot number corresponding to channel number has failed.

Recommended Action:

Replace line card module.

%SYS-E-BAD_PORT_MEM Bad Memory at 0x<*hex_value*> on port <*port_number*>

Explanation:

Specified port has failed diagnostics.

Recommended Action:

Replace line card module.

%SYS-E-BACKUP_NO_SUCH_IMAGE Backup CM-no image named <*imagename*>

Explanation:

This message appears when you try to delete a non-existent image with the **`system image delete`** command.

Commands:

To delete an image from the backup control module, use:

`system image delete` <*imagename*> **`backup-cm`**

To delete an image from both the primary and backup control modules, use:

`system image delete` <*imagename*>

Recommended Action:

You should run the **system image list** command to see the available images and then choose a name from those displayed. It is important to note the difference between the name of the image (displayed in the left column of system image list) and the version number of the image (displayed in parentheses in the right column). The image *name* should be used with the **system image delete** command.

%SYS-E-BAD_OPP_MEM Bad OPP Memory at 0x<*hex_value*> on channel <*number*>

Explanation:

Module in slot number corresponding to channel number has failed.

Recommended Action:

Replace line card module.

%SYS-E-BADADDR Bad IP address: <*IP_address*> ignored

Explanation:

This error message appears when the user attempts to specify an invalid IP address.

Recommended Action:

Ensure that the specified IP address is correct and that it is being referenced with the proper syntax.

%SYS-E-BADCHKSUM Bad CRC in CPU received packet (srcCEPs=0x<*hex_value*>)

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-E-BADDEVICE Bad device name: '<*name*>'

Explanation:

This error message appears when the user attempts to access the router's file system with an illegal device name.

Recommended Action:

Use one of the valid device names ("bootflash", "slot0", or "slot1") to access the file system.

%SYS-E-BADURL bad URL specified: <*URL*>

Explanation:

This error message appears when the user specifies an invalid or otherwise illegal URL.

Recommended Action:

Ensure that the URL being referenced is correct and has been specified using the appropriate syntax.

%SYS-E-BAUDFAIL <*name*>: Failed to change baud rate

Explanation:

This message appears when the **`system set terminal baud`** command was run to change the baud rate of the serial management console port, but the system was unable to set the baud rate to the value requested.

Recommended Action:

This message probably indicates a programming error because the CLI parser checks the baud rate for validity before trying to change the serial port. In general, it indicates that the serial hardware cannot run at the requested baud rate.

%SYS-E-CHS_BACKUP_FAIL failure to choose image on Backup CM

Explanation:

The system is unable to choose the image on the backup control module.

Commands

To choose an image on the backup control module, use:

system image choose <*imagename*> **backup-cm**

To choose an image for both the primary and backup control modules, use:

system image choose <*imagename*>

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-E-CHS_PRIMARY_FAIL failure to choose image on PRIMARY CM

Explanation:

The system is unable to choose the image on the primary control module for the next reboot.

Commands

To choose an image on the primary control module, use:

system image choose <*imagename*> **primary-cm**

To choose an image for both the primary and backup control modules, use:

system image choose <*imagename*>

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-E-CLI_CHANNELIZED_NO_WAN_CHANNEL_SPECIFIED No channel(s) specified for card <*card*> physical port <*port*>

Explanation:

You did not specify a channel or channels in a CLI command, where the command requires that you do so.

Recommended Action:

Re-enter the command and specify the channel(s).

%SYS-E-CLI_CHANNELIZED_TIMESLOTS_OVERLAP card <*card*> physical port <*port*> channel <*channel*> timeslot(s) assignment overlaps with channel <*channel*>.

Explanation:

You attempted to assign a timeslot more than once on this port.

Recommended Action:

Specify timeslots that have not been used.

%SYS-E-DELETE_IMAGE_BACKUP_FAIL image (<*imagename*>) delete from Backup CM failed

Explanation:

This message is displayed when an attempt to delete an image from the backup control module fails.

Commands

To list images on the primary control module, use:

`system image delete` <*imagename*> **`backup-cm`**

To list images on both the primary and backup control modules, use:

`system image delete` <*imagename*>

Recommended Action:

Retry making sure you are specifying the correct imagename.

%SYS-E-DELETING_CHOSEN_IMAGE you cannot delete the image <*imagename*>.

Explanation:

This message appears when you attempt to delete an image from the flash PCMCIA card that has been chosen as the image for the router to load on the next reboot. You are prevented from performing this operation.

Recommended Action:

First use either the **`system image choose`** <*imagename*> command to choose a new image or the **`system image choose none`** command to have no image chosen. Once you have done this, you may then delete the image.

%SYS-E-DYNMICANAT-Custom forwarding mode of port <*port*> conflicts with a dynamic nat rule.

Explanation:

Same as the static NAT error except here the incompatibility is with the dynamic NAT rule.

Recommended Action:

Same as the static NAT error except here the incompatibility is with the dynamic NAT rule.

%SYS-E-FACADD error adding facility '<*name*>'

Explanation:

System resources are limited and the SYS system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-E-FLASHMNTFAIL <*number*> MB Flash card could not be mounted

Explanation:

This message appears at boot time when the flash card cannot be mounted.

Recommended Action:

This message may indicate that this type of card is not supported, or that the write-protect switch is turned on, or that the file system contained in the flash card is corrupt. Reboot the router using the same flash card. If problem persists, obtain a new flash card or call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-E-FLASH_WRITEPROTECTED external FLASH card is write-protected, please remove protection and reboot

Explanation:

This message is displayed when the external Flash card is detected with the write-protection on.

Recommended Action:

Remote the write-protection, reinstall the Flash card and reboot the system.

%SYS-E-HOTSWAPIN module in slot <*slot_id*> is unrecognized or unsupported

Explanation:

The module in the specified slot is not recognized or is unsupported.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-E-HOTSWAP_EMPTY slot <*slot_id*> is empty

Explanation:

This message is displayed when you are trying to hotswap out of an empty slot.

Recommended Action:

Hotswapping out of an empty slot is not possible.

%SYS-E-HOTSWAP_OCC slot <*slot_id*> is already occupied

Explanation:

This message is displayed when you are trying to hotswap into a slot that is already occupied.

Recommended Action:

Hotswapping into an occupied slot is not possible.

%SYS-E-HOTSWAP_MASTER can not hotswap out the Active CPU

Explanation:

This message is displayed when you are trying to hotswap out the active CM module.

Recommended Action:

This action is not allowed.

%SYS-E-INVALIDFABSLOT Invalid Fabric Slot <*slot*>

Explanation:

Invalid fabric slot number.

Recommended Action:

Valid slots are 1 and 2.

%SYS-E-INVLDCHANNEL slot 3 cannot support this custom forwarding mode.

Explanation:

The specified slot does not have the necessary hardware to support the custom forwarding mode.

Recommended Action:

None.

%SYS-E-INVLDMOD Invalid Module in slot <*slot_id*>.

Explanation:

This message is displayed when the firmware detected unrecognized hardware.

Recommended Action:

Make sure that the firmware version is compatible with the hardware.

%SYS-E-LIST_IMAGES_BACKUP_FAIL failure to list images on Backup CM.

Explanation:

This message is displayed when a list command of the images on the backup control module fails.

Commands

To list images on the backup control module, use:

`system image list backup-cm`

To list images on both the primary and backup control modules, use:

`system image list all`

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-E-LIST_IMAGES_PRIMARY_FAIL failure to list images on Primary CM.

Explanation:

This message is displayed when a list command of the images on the primary control module fails.

Commands

To list images on the primary control module, use:

`system image list primary-cm`

To list images on both the primary and backup control modules, use:

system image list all

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-E-NOBACKUPCM no backup CPU Module detected in system

Explanation:

This message is displayed when you are trying to copy data to the backup CM module when the system doe not have a backup CM module.

Recommended Action:

None.

%SYS-E-NOCARD slot <*slot*> not populated

Explanation:

The specified slot does not exist in the switch.

Recommended Action:

Retry the command, the slot number may have entered incorrectly.

%SYS-E-NOFLASHCARD external FLASH card not present (or write-protect switch is ON)

Explanation:

This message is displayed when the system does not detect a Flash card.

Recommended Action:

Make sure a Flash card is properly installed.

%SYS-E-NOFABHOTSWAP System Fabric Hotswap not supported

Explanation:

‘System Fabric Hotswap” is not supported in this system.

Recommended Action:

None.

%SYS-E-NOHOTSWAP System Hotswap not supported

Explanation:

This message is displayed when you are trying to issue a **`hotswap`** command on a system where hotswap is not supported.

Recommended Action:

This action is not allowed.

%SYS-E-ILLEGALCOPY Copying from <*source*> to <*destination*> is not allowed

Explanation:

This error message appears when the user attempts to perform an illegal copy operation from the specified source to the given destination.

Recommended Action:

Ensure that the copy source and destination are compatible.

%SYS-E-IMAGE_ADD_MULTIPLE image add: another user is adding an image. Please wait and try again.

Explanation:

This message appears when a user runs the **`system image add`** command while another user is already in the process of adding a new image. Only one image can be added at a time.

Recommended Action:

The second user needs to wait until the first user has finished (it generally takes a few minutes to complete the process of adding a new image).

%SYS-E-IMAGE_CANTSET nvram error setting <*imagename*>

Explanation:

This message appears when the **`system image choose`** command was unable to record the user's choice of which image should be used at next boot.

Recommended Action:

This message indicates file system corruption or a hardware failure. Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-E-IMAGES_LIST_MULTIPLE image list: another user is listing the images. Please wait and try again.

Explanation:

This message appears when more than one user is trying to list the images from a flash PCMCIA card. Only one user at a time can perform this operation.

Recommended Action:

Wait and try again.

%SYS-E-IVCPUMODULE CPU module type <*name*> unrecognized

Explanation:

This error message appears when the router detects an unrecognized CPU module in the system.

Recommended Action:

Please call Technical Support with a description of the circumstances, your system configuration, and the text of this error message.

%SYS-E-L4BRID-port gi.5.1 is in vlan bridge that is set for l4 bridging. Custom forwarding mode and l4 bridging cannot be set together

Description:

Currently we do not support both the custom forwarding mode and the L4 bridging. Thus if L4 bridging is turned on a VLAN, ports with the custom forwarding mode enabled cannot be added to the VLAN. Conversely if ports in a VLAN have the custom forwarding mode turned on, the VLAN cannot be set for L4 bridging.

Recommended Action:

Do not configure ports for both custom forwarding mode and L4 bridging.

%SYS-E-MACASSIGNED Requested MAC <*MAC_address*> already assigned

Explanation:

This error message appears when the user attempts to specify a MAC address that is already in use.

Recommended Action:

Specify a different, unused MAC address.

%SYS-E-MACNOTOWNED Attempting to free unassigned MAC <*MAC_address*>

Explanation:

This error message appears when the user attempts to specify a MAC address that does not “belong” to the router.

Recommended Action:

Ensure that the specified MAC address is correct and the router has “ownership” of that address.

%SYS-E-MIRROR_NOT_SET Mirroring not enabled on slot <*number*>

Explanation:

This error message appears when port mirroring has not been enabled for the specified slot.

Recommended Action:

Ensure that the correct slot number is being referenced and/or that port mirroring has been enabled for that slot.

%SYS-E-MULTIPLEUSERS another user is adding, choosing or removing an image. Please wait and try again.

Explanation:

This message appears when more than one user is trying to add, choose, or delete images. Only one user at a time can perform these operation.

Recommended Action:

Wait and try again.

%SYS-E-NIAQBROKE Network receive queue error

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-E-NOAUTOSPEEDDUPLEX Cannot set both Auto-negotiate and speed/duplex at same time

Explanation:

These are mutually exclusive configurations.

Recommended Action:

Set port to auto-negotiate OR manually configure speed and duplex settings.

%SYS-E-NODEVICE No device specified: '<*name*>'

Explanation:

This error message appears when a required device name has not been appropriately specified by the user in relation to a given command.

Recommended Action:

Ensure that you have specified a valid, required device name in association with the given command.

%SYS-E-NOENHCAP <*capability*> capability not available

Explanation:

The specified capability is not available on the present version of hardware.

Recommended Action:

To use the capability, upgrade the hardware.

%SYS-E-NOMACADDRFOUND could not detect system MAC address, default set to <*mac_addr*>

Explanation:

No MAC address was found.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-E-NOTBL-could not get route table entry for slot <*slot*>

Description:

There is an internal error.

Recommended Action:

Call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-E-NOTENABLED Device configuration only permitted from enabled mode

Explanation:

This message appears when a user attempts to enter Configure mode from Diagnostic mode.

Recommended Action:

The user must first leave Diagnostic mode and enter enabled mode with the **`enable`** command. Only then can the user enter Configure mode with the **`config`** command.

%SYS-E-PORTBUSPARITY Port bus parity error

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-E-PORTBUSWRITE Port bus write error at address 0x<*hex_value*>

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-E-PORTTIED Some port on this slot 6 is has the custom mode enabled. Please disable the custom mode from all ports on this channel before changing the custom mode.

Explanation:

The custom mode is applied on a slot. If some ports were enabled on the slot then the ports would be using the custom mode on the slot.

Recommended Action:

It would not be advisable to change the profile of the slot. However, you are prevented from doing so. The slot profile can be changed only if no ports on the slot are enabled to use the custom forwarding mode.

%SYS-E-PRIMARY_NO_SUCH_IMAGE Primary CM-no image named <*imagename*>

Explanation:

This message appears when you try to delete a non-existent image with the **`system image delete`** command.

Commands:

To delete an image from the primary control module, use:

`system image delete` <*imagename*> **`primary-cm`**

To delete an image from both the primary and backup control modules, use:

`system image delete` <*imagename*>

Recommended Action:

The user should run the **`system image list`** command to see the available images and then choose a name from those displayed. It is important to note the difference between the name of the image (displayed in the left column of system image list) and the version number of the image (displayed in parentheses in the right column). The image *name* should be used with the **`system image delete`** command.

%SYS-E-PROFNOTSET-No custom forwarding profile is set on port gi.5.2 in slot <*slot*>

Explanation:

Before enabling the custom forwarding profile on a port one must apply a profile on the slot to which the port belongs. Else the mode cannot be enabled on the port.

Recommended Action:

Specify profiles as required.

%SYS-E-SPEED specified Port <*port_id*> speed is less than broadcast monitor rate

Explanation:

This message is displayed when you specified a broadcast monitor rate that is larger than the maximum speed of that port.

Recommended Action:

Specify a lower, acceptable speed for that port.

%SYS-E-SRCFILE missing source filename

Explanation:

This error message appears when the user attempts to conduct a file copy operation, but no source filename has been specified.

Recommended Action:

Ensure that the appropriate source filename is included in the command sequence.

%SYS-E-STATNAT-Custom forwarding mode of port gi.5.1 conflicts with a static nat rule.

Description:

Custom forwarding mode can be set to wildcard various fields in the IP header. Now NAT requires the source IP address, sometimes the source port for address translation.

Recommended Action:

If you are configuring custom forwarding mode, and the slot to which the port belongs has source ip wildcarded which the NAT requires, or if the source socket requires NAT then the profile cannot have source / dest sockets wildcarded.

%SYS-E-SWIZZLE_NOT_SUPPORTED Swizzle not supported for this channel number -- <*channel*>

Description:

Swizzle is not supported for IPP with a major version less than 2.

Recommended Action:

None.

%SYS-E-UNKWNHOST unknown host '<*name*>'

Explanation:

This error message appears when the router is unable to resolve the specified hostname's IP address.

Recommended Action:

Ensure that DNS is working correctly and that the specified hostname is correct.

%SYS-E-UNKNOWNURL Unrecognized URL: <*URL*>

Explanation:

This error message appears when the router encounters an unrecognizable URL.

Recommended Action:

Ensure that the specified URL is correct.

%SYS-E-WAN-BAD-LINETYPE <*character string*> is not supported on this line type

Explanation:
The parameter entered for this WAN port is inconsistent with the port's WAN type.

Recommended Action:
None.

%SYS-E-XBARTMOUT Transmit timeouts to Xbar (destCEPs=0x<*hex_value*>)

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-E-XFERBACKUP Data transfer to backup control module failed

Explanation:

The router is unable to transfer the configuration file to the backup CM module.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

61.4 FATAL MESSAGES

%SYS-F-2MANYCPUS too many CPUs, detected <*number*>, architectural limit <*number*>

Explanation:

More than the architectural number of redundant Control Modules were detected.

Recommended Action:

Remove all extra Control Modules.

%SYS-F-BAD_NIA_MEM Bad Memory at 0x<*hex_value*> on NIA

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and needs replacing.

%SYS-F-BADADDRFLUSH cache flush with bad virtual address, '0x<*hex_value*>'

Explanation:

This message appears when the CPU was flushing a bad virtual address and the TLB may be corrupt.

Recommended Action:

System will reboot. Ensure all line cards, CPU, fan, and backplane are seated well. Run diagnostics on the system to ensure there are no system problems. If problem persists, call Technical Support to resolve the problem.

%SYS-F-BADBLK memory free failed - block '0x<*hex_value*>' address is invalid (<*number*>)

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-F-BADFREEBLK memory corrupted - block '<*hex_value*>' on free list clobbered (0x<*hex_value*>,<*number*>,<*number*>)

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-F-BADMEMREG memory block '0x<*hex_value*>' is not in a valid memory region

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-F-BADMEMSIZE memory sizing failed - size 0x<*hex_value*> is larger than max. size of 0x<*hex_value*>

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-F-BADMEMWRITE memory write at location 0x<*hex_value*> failed, wrote 0x%lx, read 0x<*hex_value*>

Explanation:

Control Module may have a hardware problem.

Recommended Action:

Configure the system to run diagnostics, then reboot. Note the diagnostics messages. If any NIA failures are detected, the Control Modules may be bad and need replacing.

%SYS-F-BADNETBUF bad buffer '0x<*hex_value*>' from network interface

Explanation:

This message appears when the network interface chip on the Control Module accessed an invalid memory location.

Recommended Action:

System will reboot. Ensure all line cards, CPU, fan, and backplane are seated well. Run diagnostics on the system to ensure there are no problems with the Control Module card. If problem persists, call Technical Support to resolve the problem.

%SYS-F-BADSLOT CPU is in an invalid slot <*number*> - must be in slot <*number*>

Explanation:

This message appears when the Control Module (CPU) is in an invalid slot.

Recommended Action:

Move the Control Module (CPU) to the appropriate slot. System will reboot.

%SYS-F-BLKFREE memory free failed - block '0x<*hex_value*>' is already free (<*number*>) (by: 0x<*hex_value*> 0x<*hex_value*> 0x<*hex_value*>)

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-F-BLKNOALLOC memory block '0x<*hex_value*>' should have been allocated

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-F-BUSERR bus error due to '<*error*>', at virtual address 0x<*hex_value*>

Explanation:

This message appears when a system bus error has occurred.

Recommended Action:

System will reboot. Ensure all line cards, CPU, fan, and backplane are seated well. Run diagnostics on the system to ensure there are no system problems. If problem persists, call Technical Support to resolve the problem.

%SYS-F-CODEIVSEQ invalid code sequencing in file <*filename*>, line <*number*>

Explanation:

This message appears when there is a problem creating VLAN for subnets.

Recommended Action:

System will reboot. If problem persists, call Technical Support to resolve the problem.

%SYS-F-FATALSYS <*text*>: fatal system error

Explanation:

This fatal error message appears when the router experiences a system error from which it is unable to recover, resulting in a “crash”.

Recommended Action:

Call Technical Support to resolve the problem.

%SYS-F-HEAPEMPTY insufficient heap memory

Explanation:

System is running low on DRAM.

Recommended Action:

Upgrade the amount of DRAM DIMM memory to the next highest recommended amount.

%SYS-F-IVSYSTEM unrecognized or invalid system '<*number*>'

Explanation:

This message appears when The system ID is invalid.

Recommended Action:

The backplane ID is not valid for this version of Control Module and Software. Please contact Technical Support to resolve the problem.

%SYS-F-L2DBLALLOC L2 entry 0x<*hex_value*>, allocated twice on port <*number*>

Explanation:

This message appears when an L2 table entry was erroneously allocated twice on the same port.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L2 table. If problem persists, call Technical Support to resolve the problem.

%SYS-F-L2DBLFREE L2 entry 0x<*hex_value*>, freed twice on port <*number*>

Explanation:

This message appears when an L2 table entry was erroneously deleted twice on the same port.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L2 table. If problem persists, call Technical Support to resolve the problem.

%SYS-F-L2IVLDVLAN invalid VLAN ID '<*number*>'

Explanation:

This message appears when an invalid VLAN ID was passed to the L2 software drivers.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L2 table. If problem persists, call Technical Support to resolve the problem.

%SYS-F-L2TBLBAD entry to be deleted 0x<*hex_value*>, not found on port <*number*>, bucket <*number*>

Explanation:

This message appears when an L2 table entry was requested to be deleted on a port and not found.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L2 table. If problem persists, call Technical Support to resolve the problem.

%SYS-F-L3DBLALLOC L3 entry 0x<*hex_value*>, allocated twice on channel <*number*>

Explanation:

This message appears when an L3 table entry was erroneously allocated twice on the same channel.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L3 table. If problem persists, call Technical Support to resolve the problem.

%SYS-F-L3DBLFREE L3 entry 0x<*hex_value*>, freed twice on channel <number>

Explanation:

This message appears when an L3 table entry was erroneously deleted twice on the same channel.

Recommended Action:

The system will reboot. Run diagnostics on the system to ensure there are no memory problems with the L3 table. If problem persists, call Technical Support to resolve the problem.

%SYS-F-L3HASHADRBAD bad entry address of 0x<*hex_value*> in segment 0x<*hex_value*>

Explanation:

This message appears when an L3 table pointer got corrupted.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L3 table. If problem persists, call Technical Support to resolve the problem.

%SYS-F-L3HASHBAD bad hash value of 0x<*hex_value*> in segment 0x<*hex_value*>

Explanation:

This message appears when a bad hash value was computed for an L3 table entry.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L3 table. If problem persists, call Technical Support to resolve the problem.

%SYS-F-L3TBLBAD entry to be deleted 0x<*hex_value*>, not found on channel <*number*>, bucket <*number*>

Explanation:

This message appears when an L3 table entry was requested to be deleted on a channel and not found.

Recommended Action:

System will reboot. Run diagnostics on the system to ensure there are no memory problems with the L3 table. If problem persists, call Technical Support to resolve the problem.

%SYS-F-MEMCORRUPT memory block '0x<*hex_value*>' has been corrupted

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-F-MEMHDRBAD malloc header size '<*number*>' is invalid

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-F-MEMHDRIDX malloc block '0x<*hex_value*>' header index '<*number*>' is invalid

Explanation:

Software problems in the memory management software.

Recommended Action:

Please report the problem to RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%SYS-F-TEMPFANSFAIL fan failure has caused overheating - system shutting down

Explanation:

This message is displayed when the fan has failed. The system is shutting down to prevent damage to the hardware.

Recommended Action:

Repair or replace the fan.

62 SYSLOG MESSAGES

This chapter describes the messages for the Syslog facility.

62.1 INFORMATIONAL MESSAGES

%SYSLOG-I-EMPTY Syslog buffer is empty.

Explanation:

This message appears when there is no local syslog output from the buffer for the user to view.

Recommended Action:

This message is for the user’s benefit. No action is required.

62.2 WARNING MESSAGES

%SYSLOG-W-NOBUFFER Syslog buffer is empty because syslog server is not defined.

Explanation:

This error message appears when the local syslog buffer is empty as a result of no syslog server having been defined for the router.

Recommended Action:

Configure a syslog server using the system set syslog server command.

%SYSLOG-W-UNKWNHOST Cannot resolve syslog server ‘<*name*>’.

Explanation:

This error message appears when the router is unable to resolve the hostname of the given syslog server into its IP address.

Recommended Action:

Specify the syslog server using its existing IP address and/or ensure that the router is able to resolve the syslog server’s hostname.

62.3 ERROR MESSAGES

%SYSLOG-E-SENDMSG failed to contact syslog server '<*name*>': <*name*>

Explanation:

This message appears when the syslog server is unreachable.

Recommended Action:

Ensure the syslog server is reachable if not on the system.

63 T1T3 CLI MESSAGES

This chapter describes the messages for the T1T3 CLI facility.

63.1 INFORMATIONAL MESSAGES

%T1T3CLI-I-BDGENCAPIFACEINFO, if creating interfaces associated with this bridge encpasulated port, remember that they must be of type broadcast

Explanation:

This message is to remind you that you need to force an interface to broadcast if you want the interface to function properly. Following is an example command for this:

```
interface create ip t1 address-mask 1.1.1.1/24 port t1.2.1:1 type broadcast
```

Recommended Action:

None.

%T1T3CLI-I-SERVICENONFR service <*service*> is not frame relay service

Explanation:

You attempted to assign a non-Frame Relay service to a Frame Relay port.

Recommended Action:

Make sure that the service is a Frame Relay service.

%T1T3CLI-I-SERVICENONPPP service <*service*> is not PPP service

Explanation:

You attempted to assign a non-PPP service to a PPP port.

Recommended Action:

Make sure that the service is a PPP service.

%T1T3CLI-I-SERVICENONCISCHOHDLC service <*service*> is not Cisco HDLC service

Explanation:

You attempted to assign or view a non-Cisco HDLC service on a port configured for Cisco HDLC.

Recommended Action:

Make sure the service is a Cisco HDLC service.

%T1T3CLI-I-RATESHAPETEMPLATECREATED Rate shaping template <*template*> created

Explanation:

The WAN rate shaping template has been created successfully.

Recommended Action:

None.

%T1T3CLI-I-RATESHAPETEMPLATEDELETED Rate shaping template <*template*> deleted

Explanation:

The WAN rate shaping template has been deleted successfully.

Recommended Action:

None.

%T1T3CLI-I-APPLYRATESUCCESS Rate shaping template <*template*> applied to port <*port*>

Explanation:

The WAN rate shaping template has been applied successfully.

Recommended Action:

None.

%T1T3CLI-I-APPLYRATENEGSUCCESS Rate shaping template <*template*> removed to port <*port*>

Explanation:

The WAN rate shaping template has been negated successfully.

Recommended Action:

None.

63.2 WARNING MESSAGES

%T1T3CLI-W-MLPVLANADDFAIL vlan add port command failed on <*vlan*>, starting clean-up

Explanation:

This message is displayed when adding a Multilink PPP port to a specified VLAN fails.

Recommended Action:

None.

%T1T3CLI-W-RATESHAPETEMPLATETRUNC Rate shaping template name <*name*> truncated to 15 characters

Explanation:

The name specified is longer than 15 characters, and has been truncated to 15 characters.

Recommended Action:

If you want to rename this template, then you must delete the template and re-create it.

%T1T3CLI-W-VLANADDFAIL vlan add port command failed on wan slot <*slot*> port <*port*>, starting clean-up

Explanation:

This message is displayed when adding a WAN port to a specified VLAN fails.

Recommended Action:

None.

63.3 ERROR MESSAGES

%T1T3CLI-E-APPLYRATEBADMLP Unable to apply rate shaping template <*template*> -- no ports in bundle <*mlpbundle*>

Explanation:

The MLP bundle specified in the command does not exist.

Recommended Action:

Create the MLP bundle, and reapply the rate shaping template bundle.

%T1T3CLI-E-APPLYRATEBADPORT Unable to apply rate shaping template <*template*> -- port <*port*> does not exist

Explanation:

The port name specified in the command does not exist or is not a WAN port.

Recommended Action:

Specify a correct and available WAN port. Only WAN ports of the following types can be used: serial, HSSI, Channelized T1, Channelized E1, Channelized T3, Channelized E3, Clear Channel T3, Clear Channel E3 and MLP bundle.

%T1T3CLI-E-APPLYRATEBADSRCPORT Unable to apply rate shaping template <*template*> -- Traffic source port <*port*> does not exist

Explanation:

The traffic source port is invalid. Only Ethernet ports can be specified as traffic source ports.

Recommended Action:

Specify a valid Ethernet port.

%T1T3CLI-E-APPLYRATEBADTEMPL Unable to apply rate shaping template <*template*> -- The CIR is more than the speed of the port <*port*>

Explanation:

The CIR of the template specified exceeds the bandwidth of the port on which rate shaping is being configured.

Recommended Action:

Specify a CIR that is within the bandwidth limits of the port on which you are applying the template.

%T1T3CLI-E-APPLYRATEBADVLAN Unable to apply rate shaping template <*template*> -- VLAN <*vlan*> does not exist

Explanation:

The VLAN specified in the command does not exist, or is a system VLAN.

Recommended Action:

Create the VLAN, and reapply the rate shaping template to the VLAN.

%T1T3CLI-E-APPLYRATENOMEM Unable to apply rate shaping template <*template*> -- insufficient memory

Explanation:

Insufficient memory trying to apply a rate shaping template.

Recommended Action:

Check system memory use.

%T1T3CLI-E-APPLYRATETOOMANY Unable to apply rate shaping template <*template*> -- too many templates applied (max allowed <*maxtemplates*>)

Explanation:

Too many WAN rate shaping policies have been set up.

Recommended Action:

The specified maximum number of templates is supported. If you need to create another template, you must first delete an existing template that is no longer needed. Use the **`wan show rate-shape-parameters`** command to display the list of templates.

%T1T3CLI-E-HASLINKS mlp (<*bundle*>) still has ppp ports joined

Explanation:

The attempt to remove an MLP bundle failed because it has PPP ports attached to it.

Recommended Action:

Remove the PPP links from the MLP bundle and try again.

%T1T3CLI-E-LOGPORTTYPECHANGEFAIL vlan make command failed to change port type for mlp bundle <*bundle*>

Explanation:

Unable to change the port type of a WAN port using MLPPP encapsulation from access to trunk or vice-versa due to IPC communication failure with the WAN module or inconsistent parameters.

Recommended Action:

Make sure that the parameters to the command are correct and that you are not trying to set the port to trunk or access type when it already is set to that type.

%T1T3CLI-E-MLPPORTEXIST <*bundle*> already exists

Explanation:

You attempted to create an MLP bundle that already exists.

Recommended Action:

None.

%T1T3CLI-E-MLPPORTNOTEXIST <*port*> does not exist, please use ppp create-mlp command first

Explanation:

You attempted to delete a PPP port that does not exist.

Recommended Action:

None.

%T1T3CLI-E-MLPSLOT mlp (<*bundle*>) and port (<*port*>) are not configured for the same slot

Explanation:

You attempted to add a port to an MLP bundle that is connected to another slot.

Recommended Action:

Make sure that the port being added to the bundle is on the same slot.

%T1T3CLI-E-MLPVLAN mlp (<*bundle*>) is already on vlan (<*vlan*>)

Explanation:

You attempted to add an access MLP port fails because the specified port is already on a VLAN. You can not add an MLP port to more than one VLAN.

Recommended Action:

Make sure that an access MLP port is added to only one VLAN per protocol.

%T1T3CLI-E-MLPPHYPORT <*physicalport*> is part of mlp group, please use mlp port name instead.

Explanation:

You attempted to apply a command to a physical port that is part of an MLP bundle. MLP port names should be used in commands such as vlan add port and interface create.

Recommended Action:

None.

%T1T3CLI-E-MLPPHYMLP <*physicalport*> already belongs to <*bundle*>

Explanation:

You attempted to add a physical port to more than one MLP bundle.

Recommended Action:

Use MLP port name instead of physical port name.

%T1T3CLI-E-MLPPORTUSED physical port(s) used by configuration command.

Explanation:

You attempted to add the specified physical ports to an MLP bundle when those ports are specified in other configuration commands.

Recommended Action:

When adding a physical port to an MLP bundle, this physical port's name is specified in commands such as vlan add port and interface create. Please negate those commands and try again.

%T1T3CLI-E-MLPWRONGSLOT MLP is only supported on the wan module, and slot <*slot*> is not a wan module

Explanation:

Cannot create Multilink PPP (MLPPP) bundle on the specified slot

Recommended Action:

MLPPP bundles can be created only on slots that contain WAN modules. Make sure that the slot specified contains a WAN module.

%T1T3CLI-E-MLPPORTNEEDCHAN: <*port*> port needs to have a channel(s) specified (:channel)

Explanation:

The port you specified requires a channel number. For example, t1.2.1 is invalid because no channel number is specified.

Recommended Action:

Specify the channel(s) required, for example t1.2.1:15.

%T1T3CLI-E-MLPPORTNOTEXIST: <*port*> port does not exist.

Explanation:

The port you specified does not exist.

Recommended Action:

Make sure you created the port using the **`port set wan-encapsulation`** command.

%T1T3CLI-E-NOVCSPEC No DLCI was specified when referring to frame relay port <*port*>

Explanation:

You attempted to specify a WAN port, configured to use Frame Relay encapsulation, without a Frame Relay DLCI number as part of the port specification.

Recommended Action:

Make sure that you specify the DLCI as part of the port name. For example, se.4.1.32.

%T1T3CLI-E-PHYPORTTYPECHANGEFAIL vlan make command failed to change port type for wan slot <*slot*>, port <*port*>

Explanation:

This message is displayed when unable to change the port type of a WAN port using PPP, Frame Relay or Cisco HDLC encapsulation from access to trunk or vice-versa due to IPC communication failure with the WAN module or inconsistent parameters.

Recommended Action:

Make sure that the parameters to the command are correct and that you are not trying to set the port to trunk or access type when it already is set to that type.

%T1T3CLI-E-RATESHAPEBADTEMPLATE Unable to create new template <*template*> -- specify a non-zero BE value if CIR is 0 and a zero BC if CIR is 0

Explanation:

Bad parameters have been specified for the WAN rate shaping template.

Recommended Action:

You can specify either of CIR or BE as zero. If you specify CIR to be zero, then BE must be non-zero. Also, if CIR is zero, then BC must be zero.

%T1T3CLI-E-RATESHAPECANNOTDEL Unable to delete rate shaping template <*template*> -- it is in use

Explanation:

The specified WAN rate shaping template cannot be deleted because it is in use by one of the ports.

Recommended Action:

Negate the **`wan apply rate-shaping-parameters`** policy command that is using this template.

%T1T3CLI-E-RATESHAPENOMEM Insufficient memory to carry out specified operation

Explanation:

Insufficient memory trying to show a rate shaping template.

Recommended Action:

Check system memory use.

%T1T3CLI-E-RATESHAPENOTEMPLATE Rate shaping template <*template*> does not exist

Explanation:

The specified WAN rate shaping template does not exist.

Recommended Action:

Create the template using the **`wan define rate-shaping-parameters`** command.

%T1T3CLI-E-RATESHAPETEMPLEXISTS Unable to create new template <*template*> -- another template with the same name exists

Explanation:

The specified WAN rate shaping template already exists.

Recommended Action:

Use a new name for the template.

%T1T3CLI-E-RATESHAPETEMPLATENOMEM Unable to create new template <*template*> -- insufficient memory

Explanation:

Insufficient memory trying to create a rate shaping template.

Recommended Action:

Check system memory use.

%T1T3CLI-E-RATESHAPETEMPLTOOMANY Unable to create new template <*template*> -- too many templates created (max supported <*maxtemplates*>)

Explanation:

Too many WAN rate shape templates created.

Recommended Action:

The specified maximum number of templates is supported. If you need to create another template, you must first delete an existing template that is no longer needed. Use the **`wan show rate-shape-parameters`** command to display the list of templates.

%T1T3CLI-E-VCALREADYEXIST frame-relay create vc command failed for <*pvc*> since they are already created

Explanation:

You attempted to create a Frame Relay PVC but the PVC already exists.

Recommended Action:

None.

%T1T3CLI-E-APPLYRATENOMEM Unable to apply rate shaping template <*template*> -- insufficient memory

Explanation:

Not enough memory to apply a template.

Recommended Action:

Check memory usage.

%T1T3CLI-E-APPLYRATETOOMANY Unable to apply rate shaping template <*template*> -- too many templates applied (max allowed <*maxtemplates*>)

Explanation:

Too many rate shaping policies have been set up.

Recommended Action:

The maximum number of templates is 65535.

%T1T3CLI-E-APPLYRATEBADPORT Unable to apply rate shaping template <*template*> -- port <*port_id*> does not exist

Explanation:

The port name specified in the command does not exist or is not a WAN port.

Recommended Action:

WAN rate shaping policies can only be applied to WAN ports.

%T1T3CLI-E-APPLYRATEBADMLP Unable to apply rate shaping template <*template*> -- no ports in bundle <*mlp_bundle*>

Explanation:

The MLP bundle specified in the command line does not exist.

Recommended Action:

Ensure that the bundle has been created.

%T1T3CLI-E-APPLYRATEBADVLAN Unable to apply rate shaping template <*template*> -- VLAN <*vlan_id*> does not exist

Explanation:

The VLAN specified in the command line does not exist.

Recommended Action:

Ensure that the VLAN has been created. If not, create a VLAN.

%T1T3CLI-E-APPLYRATEBADSRCPORT Unable to apply rate shaping template <*template*> -- traffic source port <*port_id*> does not exist

Explanation:

The traffic source port is invalid. Only ethernet ports can be specified.

Recommended Action:

Ensure that the port specified is an ethernet port.

%T1T3CLI-E-APPLYRATEBADTEMPL Unable to apply rate shaping template <*template*> -- the CIR is more than the speed of port <*port_id*>

Explanation:

The CIR in the template specified exceeds the bandwidth of the port on which rate shaping is configured.

Recommended Action:

The CIR values should be within the bandwidth limits of the port.

%T1T3CLI-E-RATESHAPERULEXISTS Unable to apply rate shaping template <*template*> -- template previously applied for same port parameters

Explanation:

The template has already been applied to the port.

Recommended Action:

Apply the template to another port.

%T1T3CLI-E-RATESHAPENOTEMPLATE Rate shaping template <*template*> does not exist

Explanation:

Specified template does not exist.

Recommended Action:

Create the template using the **`wan define rate-shaping-parameters`** command.

%T1T3CLI-E-RATESHAPECANNOTDEL Unable to delete rate shaping template <*template*> -- it is in use

Explanation:

Unable to delete the rate shaping template because it is in use by one of the ports.

Recommended Action:

Negate the **`wan apply rate-shaping-parameters`** policy using this template before deleting the template.

%T1T3CLI-E-RATESHAPETEMPLATEEXISTS Unanble to create new template <*template*> -- another template with the same name exists

Explanation:

The specified template already exists.

Recommended Action:

Use another name for the template.

%T1T3CLI-E-RATESHAPEBADTEMPLATE Unable to create new template <*template*> -- specify a non-zero BE value if CIR is 0 and a zero BC if CIR is 0

Explanation:

Erroneous parameters have been specified in the rate shaping template.

Recommended Action:

Specify either CIR or BE as 0. If CIR is 0, then BE must not be 0. If CIR is 0, then BC must be 0.

%T1T3CLI-E-RATESHAPETEMPLTOOMANY Unable to create new template <*template*> -- too many templates created (max supported <*maxtemplates*>)

Explanation:

Too many WAN rate shaping templates have been created.

Recommended Action:

The maximum number of templates is 65535.

%T1T3CLI-E-RATESHAPENOMEM Insufficient memory to carry out specified operation

Explanation:

Not enough memory to display the templates.

Recommended Action:

Check memory usage.

%T1T3CLI-E-RATESHAPETEMPLATENOMEM Unable to create new template <*template*> -- insufficient memory

Explanation:

Not enough memory to apply a template.

Recommended Action:

Check memory usage.

%T1T3CLI-E-RATESHAPEBADNAMELEN Unable to apply rate shaping template <*template*> -- template name length too long.

Explanation:

The template's assigned name is too long.

Recommended Action:

Rename the template. The maximum is 15 characters.

%T1T3CLI-E-RATESHAPEPOEEXISTS Unable to apply rate shaping template <*template*> -- a different template has already been applied to traffic from the specified source port

Explanation:

A template has already been applied to the specified source port.

Recommended Action:

Apply the template to another source port.

%T1T3CLI-E-RATESHAPEVIDEXISTS Unable to apply rate shaping template <*template*> -- a different template has already been applied to traffic on the specified VLAN

Explanation:

A template has already been applied to the specified VLAN.

Recommended Action:

Apply the template to another VLAN.

%T1T3CLI-E-RATESHAPEIPEXISTS Unable to apply rate shaping template <*template*> -- a different template has already been applied to traffic on the specified IP address/mask

Explanation:

A template has already been applied at the specified IP address/mask.

Recommended Action:

Apply the template at another IP address.

64 TELNET MESSAGES

This chapter describes the messages for the Telnet facility.

64.1 WARNING MESSAGES

%TELNETD-W-BADPASSWD bad password from <*name*>

Explanation:

This message is displayed when a user enters a bad password over a telnet connection. It includes the IP address of the host making the connection.

Recommended Action:

This may indicate that a user at the specified host is trying to break into the router by guessing at the password. You should check to see who is logged in to that host. Ask them not to attempt to break into your router. You can disallow telnet access from a specified host with the **`ACL ?`** command.

%TELNETD-W-LOGINFAIL repeated login failures from <*name*>

Explanation:

This message is displayed when a user enters a bad password (multiple times) over a telnet session multiple times. It includes the IP address of the host making the connection.

Recommended Action:

This message may indicate that a user at the specified host is trying to break in to the router by guessing at the password. You should check to see who is logged in to that host. Ask them not to attempt to break into the router. You can disallow telnet access from a specific host using the **`ACL ?`** command.

%TELNETD-W-IDLE_TIMEOUT Telnet console idle time-out

Explanation:

This message is displayed when the idle time has expired and session %d was shutdown.

Recommended Action:

Use the “system set idle-time-out telnet 30” command to set the idle time-out value to 30 minutes. The default idle time-out value is 5 minutes.

64.2 ERROR MESSAGES

%TELNETD-E-IOCTL ioctl(<*number*>) failed, errno = <*number*>

Explanation:

System resources are limited and the Telnet request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

65 TFTP MESSAGES

This chapter describes the messages for the Trivial File Transfer Protocol (TFTP) facility.

65.1 INFORMATIONAL MESSAGES

%TFTP-I-XFERRATE <*name*> <*number*> bytes in <*number*>.<*number*> seconds

Explanation:

This message is displayed to denote the transfer rate of the TFTP.

Recommended Action:

Informational Message. No action necessary.

65.2 ERROR MESSAGES

%TFTP-E-BADTFTPURL Bad TFTP URL '<*url_type*>:/ /<*url_name*>'

Explanation:

This message is displayed when the TFTP URL is bad.

Recommended Action:

Ensure you have the correct format to get to the file on the TFTP server. For example, tftp://10.50.88.100/qa/img8.

%TFTP-E-FACADD error adding facility '<*name*>'

Explanation:

System resources are limited and the TFTP system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%TFTP-E-IOCTL ioctl(<*number*>) failed, errno = <*number*>

Explanation:

System resources are limited and the TFTP request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%TFTP-E-NORESPONSE No response from server: <*name*>

Explanation:

This message is displayed when there was no response from the TFTP server.

Recommended Action:

Check the IP address. Ensure you have a route. Attempt to ping the TFTP server to ensure you have a route to it.

%TFTP-E-REMOTE Remote error <*number*>: <*name*>

Explanation:

This message is displayed when the TFTP server had an error.

Recommended Action:

Verify the TFTP server is up and functioning. Also, ensure the file exists and has correct protections.

66 TRACEROUTE MESSAGES

This chapter describes the messages for the Traceroute facility.

66.1 ERROR MESSAGES

%TR-E-BADVALUE invalid value (must be between <*number*> and <*number*>).

Explanation:

This message appears when there was a bad entry.

Recommended Action:

Enter valid entry between suggested values.

%TR-E-FACADD error adding facility '<*name*>'

Explanation:

System resources are limited and the Traceroute system facility failed to initialize.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%TR-E-NOMEM processing error - insufficient memory

Explanation:

This message appears when system resources are limited.

Recommended Action:

Increase system resources with more memory. If problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%TR-E-UNKWNHOST unknown host '<*host_name*>'

Explanation:

This message appears when the hostname could not be resolved.

Recommended Action:

Ensure you have a valid hostname and the DNS is working.

67 UNICAST MESSAGES

This chapter describes the messages for the Unicast facility.

67.1 INFORMATIONAL MESSAGES

%UNICAST-I-NETSPECFIXED Network specification changed to (<*IP_address/mask*>).

Explanation:

An IP routing command expected a network IP address as a parameter. The mask was misconfigured by the user and therefore modified so that the command could successfully execute.

Recommended Action:

Other messages are also displayed providing more detailed information about the misconfiguration.

67.2 WARNING MESSAGES

%UNICAST-W-INVNETSPEC Non-masked bits not zero (<*IP_address*>).

Explanation:

An IP routing command expected a network IP address as a parameter. The non-masked portion of the IP address was misconfigured (should be all zeros).

Recommended Action:

Modify the network IP address parameter.

67.3 ERROR MESSAGES

%UNICAST-E-IFEXISTS Interface <*interface_name*> already exists.

Explanation:

This message appears when you attempt to create a RIP interface which already exists.

Recommended Action:

Verify interface name and re-enter command.

%UNICAST-E-IFNOTFOUND <*interface_name*> is not a known interface.

Explanation:

A routing option was applied to a non-existent interface.

Recommended Action:

Select a valid interface.

%UNICAST-E-IFOVFL No more free interfaces max <*number*> current <*number*>.

Explanation:

The number of interfaces that can participate in IP routing has been reached.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%UNICAST-E-INVBETENDS Lower limit of mask (<*number*>) is greater than upper limit (<*number*>).

Explanation:

While defining a route filtering policy, the *between* option was misconfigured.

Recommended Action:

Reconfigure the lower and upper limits for the between option.

%UNICAST-E-INVBETLOWEND Lower limit of mask (<*number*>) is mask than specified mask len (<*number*>).

Explanation:

While defining a route filtering policy, the *between* option was misconfigured. There is a conflict between the network's mask length and the lower limit defined by *between*.

Recommended Action:

Reconfigure the lower limit for the between option.

%UNICAST-E-INVBETWEENOPT Invalid between option.

Explanation:

While defining a route filtering policy, the *between* option was misconfigured.

Recommended Action:

Reconfigure the lower and upper limits for the between option.

%UNICAST-E-INVCONFIG Gated is waiting for valid configuration.

Explanation:

The current configuration contains invalid commands or is missing required commands that prevented the GateD task from starting.

Recommended Action:

Other error messages describe the misconfiguration in more detail.

%UNICAST-E-INVMASKLEN Masklen (<*number*>) specified is greater than 32.

Explanation:

While defining a route filtering policy, the *between* option was misconfigured. There is a conflict between the network's mask length and the range defined by the *between* option.

Recommended Action:

Make sure that both the lower and upper limits are numerical values equal or lower than 32.

%UNICAST-E-MARTIANEXISTS Martian <*martian_name*> already exists.

Explanation:

Duplicate martian addresses have been configured.

Recommended Action:

Remove one of the duplicate martians.

%UNICAST-E-MARTIANNOTFOUND <*name*> is not a known martian.

Explanation:

The software component that manages martian addresses has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%UNICAST-E-MARTIANOVFL No more free martians max <*number*> current <*number*>.

Explanation:

The maximum number of martian addresses that can be configured has been reached.

Recommended Action:

If possible, remove unused martians.

%UNICAST-E-NUMOFIFERR Numof interfaces mismatch (max <*number*> cur <*number*>).

Explanation:

The software component that manages IP routing interfaces has detected an internal error.

Recommended Action:

If this message is displayed repeatedly, please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%UNICAST-E-NUMOFMARTIANERR Numof martians mismatch (max <*number*> cur <*number*>).

Explanation:

Duplicate martian addresses have been configured.

Recommended Action:

Remove one of the duplicate martians.

67.4 FATAL ERRORS

%UNICAST-F-IOCTL ioctl(<*number*>) failed, errno = <*number*>

Explanation:

System resources are limited and the Unicast request for system IOCTL failed.

Recommended Action:

Increase system memory and if problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%UNICAST-F-NOSPAWN Failed to spawn Gated (status <*number*>).

Explanation:

The GateD task could not be spawned.

Recommended Action:

Restart the system. If the problem persists, please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

68 VLAN MESSAGES

This chapter describes the messages for the VLAN facility.

68.1 INFORMATIONAL MESSAGES

%VLAN-I-ACCESSCHNG Port <*port_list*> successfully changed to <*port_type*>.

Explanation:

This message is displayed when the specified ports were successfully changed to be trunk ports (or access ports).

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-ADDPORTS Adding ports <*port_list*> to VLAN <*vlan_name*>[<*vlan_id*>]

Explanation:

This message is displayed when the system is in the process of adding the specified ports to the specified VLAN.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-ADDSUCCESS <*number_of_ports*> <*port_list*> successfully added to VLAN <*vlan_name*>

Explanation:

This message is displayed when at the completion of the vlan add ports command.

Recommended Action:

Informational message. No action necessary.

%VLAN-I-CHANGED Port <*port_name*> has been changed to be an access port

Explanation:

This message is displayed when the specified port was successfully changed from a trunk port to an access port.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-CREATED VLAN <*vlan_name*> created with VLAN ID <*vlan_id*>

Explanation:

This message is displayed when a VLAN was created successfully.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-L4BDGSTATE L4-Bridging %s on Vlan %d ($s).

Explanation:

This message is an informational message which displays the state of the L4 Bridging function with respect to a VLAN.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-PORTCHANGED Port <*port_name*> changed from <*vlan_name*> to <*vlan_name*>.

Explanation:

This message is displayed when a port has been move from one VLAN to another VLAN.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-REMOVED VLAN <*vlan_name*> successfully removed.

Explanation:

This message is displayed when a VLAN was negated (removed) successfully.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-RMPORTS Removing ports <*port_list*> from VLAN <*vlan_name*>[<*vlan_id*>]

Explanation:

This message is displayed when the system is in the process of removing the specified ports from the specified VLAN.

Recommended Action:

Informational Message. No action necessary.

%VLAN-I-SVLAN_DISABLED Stackable VLAN disabled on port(s): %s, backbone vlan: %d

Explanation:

You have removed the stackable VLAN.

Recommended Action:

Informational message. No action is necessary.

%VLAN-I-SVLAN_ENABLED Stackable VLAN partially enabled on port(s): %s, backbone vlan: %d

Explanation:

You have enabled a stackable VLAN.

Recommended Action:

Informational message. No action is necessary.

68.2 WARNING MESSAGES

%VLAN-W-ADDFAILURE *<number_of_ports>* *<port_list>* could not be added to VLAN *<vlan_name>*

Explanation:

This message is displayed when the specified ports could not be added to the VLAN. This could happen if they already belong to another VLAN and are access ports.

Recommended Action:

Check to see if the ports belong to another VLAN.

%VLAN-W-ALREADY The port is already in <*vlan_type*> mode

Explanation:

This message is displayed when the specified port is to be a trunk or access port and the port is already specified as a trunk or access port.

Recommended Action:

Ensure that the port is an access or trunk port.

%VLAN-W-CMDNOTAPPLY Make port trunk/access port command does not apply to T1/T3 card

Explanation:

This message is displayed when the user specifies a WAN (HSSI or Serial) port is to be a trunk or access port.

Recommended Action:

WAN (HSSI/Serial) ports cannot be made trunk or access ports.

%VLAN-W-WAN_ADD_FAILED vlan add failed on wan card

Explanation:

Ports on a WAN module could not be added to a VLAN.

Recommended Action:

Please contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%VLAN-W-WAN_NEGATE_FAILED vlan add negation failed on wan card

Explanation:

Ports on a WAN module could not be removed from a VLAN.

Recommended Action:

Please contact Section 1.3, *"Riverstone Technical Assistance Center."*

%VLAN-W-NATCONFIGURED <1> Some ports (%s) could not be added because NAT is configured on the interface connected to this vlan and the line cards do not support the NAT feature. Please upgrade the line cards

Explanation:

Network Address Translation (NAT) is not supported on all line cards. This message is displayed when ports on a line card which does not support NAT are being added to a vlan which requires them to support NAT.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."* The line cards need to be upgraded.

%VLAN-W-NOHWSUPPORT <2> Some ports (%s) could not be added because the modules do not support %s

Explanation:

This message is displayed when an attempt is made to add ports belonging to a line card to a VLAN which requires a specific functionality which is not supported by the line card. (For example, L4 Bridging).

Recommended Action:

Please contact Technical Support to upgrade the line cards.

%VLAN-W-APS_PROTECTINGPORT <1> Some ports (%s) could not be added because they are configured as APS Protecting Ports

Explanation:

This message is displayed when an attempt is made to add ports which are functioning as protecting ports to a VLAN that does not contain the working port.

Recommended Action:

Do not add an APS protecting port to any VLAN. It will implicitly be added to all the VLANs to which the corresponding APS working port belongs.

68.3 ERROR MESSAGES

%VLAN-E-ADDFAILURE <*number*> port(s) <*port_list*> could not be added to VLAN <*VLAN_name*>

Explanation:

This message is displayed when none of the specified ports could be added to the given VLAN. This usually occurs when the user tries to assign access ports to a VLAN which are already part of another VLAN.

Recommended Action:

Remove the desired ports from the VLAN to which they are currently assigned, then reassign them to the new VLAN.

%VLAN-E-BADNAME_L3VLAN Only VLANs created implicitly by the system may begin with "SYS_". Please select another name.

Explanation:

This message is displayed when a user chose a name that began with “SYS_”. Names beginning with “SYS_” are reserved.

Recommended Action:

Please select another name.

%VLAN-E-BADNAME_RSVD The VLAN name <*vlan_name*> conflicts with a reserved name. Please select another name.

Explanation:

VLAN names beginning with “SYS_” are reserved, as are other names such as “Default”.

Recommended Action:

Use a different name for the VLAN.

%VLAN-E-BADNAME_TOOBIG The VLAN name cannot exceed 32 characters. Please select another name.

Explanation:

This message is displayed when the VLAN name exceeds 32 characters.

Recommended Action:

Please select another name that does not exceed 32 characters.

%VLAN-E-BADNAME_VLAN_ALNUM VLAN names must begin with an alphanumeric character. Please select another name.

Explanation:

This message is displayed when the user is trying to create a VLAN with a name that begins with a non- alphanumeric character, such as an underscore. This is not allowed.

Recommended Action:

Use a VLAN name which begins with an alphanumeric character (A-Z, a-z, 0-9).

%VLAN-E-BADNAME_WS The VLAN name must have at least 1 non-whitespace character. Please select another name.

Explanation:

This message is displayed when the user is trying to name a VLAN with a name that consists only of tabs and spaces. This is not allowed.

Recommended Action:

Use a name which has alphanumeric characters.

%VLAN-E-BOUND <*vlan_name*> is bound to a layer 3 (IP/IPX) interface. Please delete the interface first.

Explanation:

This message is displayed when the user is trying to delete a VLAN which is bound to an IP or IPX interface. The interface must be deleted first, before the VLAN can be deleted.

Recommended Action:

Delete all layer 3 interfaces to which this VLAN is bound. Then the VLAN can be deleted.

%VLAN-E-CMDNOTAPPLY Make port trunk/access port command does not apply to T1/T3 card

Explanation:

This message is displayed when the user specifies a WAN (HSSI or Serial) port is to be a trunk or access port.

Recommended Action:

WAN (HSSI/Serial) ports cannot be made trunk or access ports.

%VLAN-E-DUPNAME <*vlan_name*> already exists. Please use another name.

Explanation:

This message is displayed when the user is trying to create a VLAN with the same name as a VLAN which has already been created.

Recommended Action:

Use a different name for the VLAN being created.

%VLAN-E-DUPVID VLAN ID <*id_number*> already exists. Please use a different VLAN ID.

Explanation:

This message is displayed when the user is trying to create a VLAN with a VLAN ID that is already being used by another VLAN.

Recommended Action:

Use another VLAN ID for the VLAN being created.

%VLAN_E-L4BDGCONFIGERR Non-IP/IPX traffic not supported for L4-Bridging - Vlan <*vlan-id*>

Explanation:

Non-IP/IPX traffic is currently permitted for the specified VLAN. Only IP/IPX traffic is allowed on a VLAN for which Layer 4 bridging is enabled.

Recommended Action:

Reconfigure the VLAN for IP-only, IPX-only or IP/IPX-only.

%VLAN_E-L4BDGNOTALLOW L4 Bridging not supported by Module <*string*> in slot <*number*>

Explanation:

The specified module does not provide Layer 4 bridging capability.

Recommended Action:

Contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%VLAN-E-NOACCESSCHNG Port <*port_number*> could not be changed from a trunk port to an access port. Please remove the port from all VLANs before retrying this command.

Explanation:

An access port can belong to at most one VLAN per protocol type (IP/IPX/bridged-protocol). A trunk port may belong to any number of VLANs. When changing a port from a trunk port to an access port, if the trunk port belongs to too many VLANs, this message is displayed.

Recommended Action:

It is recommended that the port be removed from all VLANs before being converted to an access port. Then it can be added to the desired VLAN(s).

%VLAN-E-NOCREATE Failed to create VLAN <*vlan_name*>.

Explanation:

This message is displayed when the system failed to create a VLAN.

Recommended Action:

Please call Technical Support for information about this message.

%VLAN-E-NOMEM Command failed because system has run out of memory.

Explanation:

This message is displayed when the router has run out of free memory.

Recommended Action:

Add more memory to the router Control Module.

%VLAN-E-NOREMOVE VLAN <*vlan_name*> cannot be removed because it contains ports. Please remove all ports in this VLAN before removing the VLAN.

Explanation:

A VLAN must have all ports removed from it before the VLAN can be removed.

Recommended Action:

Negate all commands which add ports to the VLAN before negating the VLAN.

%VLAN-E-NOREMOVEFROMDEFAULTVLAN Ports cannot be removed from the default VLAN.

Explanation:

This error message is displayed when the user attempts to remove a port from the default VLAN when the port does not belong to any other VLAN.

Recommended Action:

Do not attempt to remove a port from the default VLAN if it does not belong to any other VLAN.

%VLAN-E-NOSUCHVLAN VLAN '<*vlan_name*>' does not exist

Explanation:

This message is displayed when the user is trying to remove a VLAN which does not exist.

Recommended Action:

Check the VLAN name and try again.

%VLAN-E-NOT_REMOVED <*vlan_name*> could not be removed.

Explanation:

This message is displayed when the user is trying to delete a reserved VLAN, or a VLAN which does not exist.

Recommended Action:

Check the name of the VLAN; do not try to remove reserved VLANs.

%VLAN-E-PORTSINLGRPS Some ports (<*port_name*>) could not be added because they belong to SmartTRUNKs.

Explanation:

This error message is displayed when the user attempts to add one or more ports that belong to a link group (SmartTRUNK) to a VLAN, as well.

Recommended Action:

Add the entire link group (SmartTRUNK) to the VLAN or remove the specified port from the link group before adding it to a VLAN.

%VLAN-E-STNOTFOUND SmartTRUNK st.<*number*> not found.

Explanation:

This message is displayed when the SmartTRUNK specified does not exist.

Recommended Action:

Verify SmartTRUNK.

%VLAN-E-DUPVID VLAN ID %d already exists. Please use a different VLAN ID.

Explanation:

This message is displayed when an attempt is made to create a VLAN with an ID which is already in use by another VLAN.

Recommended Action:

Use a different VLAN ID for the VLAN being created, or remove the VLAN which already has this VLAN ID.

%VLAN-E-NOCREATE Failed to create VLAN %s.

Explanation:

An internal error occurred while creating a VLAN.

Recommended Action:

Please note the error and actions leading up to it and contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%VLAN-E-L4BDGCONFIGERR Non-IP/IPX traffic not supported for L4-Bridging - Vlan %d.

Explanation:

This message is displayed when an attempt is made to configure L4 bridging on a VLAN which does not support either IP or IPX protocols. L4 bridging is intended for VLANs which support IP or IPX.

Recommended Action:

Do not attempt to configure L4 bridging on VLANs which do not support IP or IPX.

%VLAN-E-L4BDGNOTALLOW L4 Bridging not supported by Module %s in slot %d

Explanation:

L4 Bridging is not supported on all line cards. This message is displayed when ports on a line card which does not support L4 Bridging are being added to a vlan which has been configured as an L4 Bridging VLAN.

Recommended Action:

Please contact Technical Support to upgrade the line card.

%VLAN-E-L4BDGONVLAN Disable L4-Bridging on Vlan %d (%s) before removing VLAN.

Explanation:

This message is displayed when an attempt is made to delete a VLAN which has L4 Bridging configured on it.

Recommended Action:

L4 Bridging must first be disabled on the VLAN which is to be deleted.

Once this is done, the VLAN can be safely deleted.

%VLAN-E-NOHWSUPPORT Some ports (%s) could not be added because the line cards do not support the protocols defined over this vlan. Please upgrade the line cards.

Explanation:

Network Address Translation (NAT) is not supported on all line cards. This message is displayed when ports on a line card which does not support NAT are being added to a vlan which requires them to support NAT.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."* The line cards need to be upgraded.

%VLAN-E-NATCONFIGURED Some ports (%s) could not be added because NAT is configured on the interface connected to this vlan and the line cards do not support the NAT feature. Please upgrade the line cards

Explanation:

Network Address Translation (NAT) is not supported on all line cards. This message is displayed when ports on a line card which does not support NAT are being added to a vlan which requires them to support NAT.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."* The line cards need to be upgraded.

%VLAN-E-PVSTEXSTS PVST instance exists on this vlan. Please negate the PVST instance before deleting the vlan.

Explanation:

This message is displayed when an attempt is made to delete a VLAN which has Per-VLAN Spanning Tree (PVST) configured on it.

Recommended Action:

PVST must first be disabled on the VLAN which is to be deleted. Once this is done, the VLAN can be safely deleted.

%VLAN-E-PVSTENBLD PVST is enabled on some ports in %s, please disable pvst first

Explanation:

Ports cannot be removed from a VLAN without first disabling PVST on them.

Recommended Action:

Disable PVST on the ports to be removed from the VLAN, and then remove the ports from the VLAN.

%VLAN-E-APS_PROTECTINGPORT Some ports (%s) could not be added because they are configured as APS Protecting Ports

Explanation:

This message is displayed when an attempt is made to add ports which are functioning as protecting ports to a VLAN that does not contain the working port.

Recommended Action:

Do not add an APS protecting port to any VLAN. It will implicitly be added to all the VLANs to which the corresponding APS working port belongs.

%VLAN-E-NOMLTPL One or more ports being added do not support IPX multiple encap, defined on the attached interface.

Explanation:

Multiple IPX encapsulations are not supported on all line cards. This message is displayed when ports on a line card which does not support multiple IPX encapsulations are being added to a vlan which requires them to support multiple IPX encapsulations.

Recommended Action:

Please call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."* The line cards need to be upgraded.

%VLAN-E-SVLAN_ACCESS Stackable Vlans has been enabled on access port: %s. Please negate the vlan enable stackable-vlan command first before adding the port(s) to a vlan

Explanation:

Stackable VLANs has already been enabled on port named by %s.

Recommended Action:

Negate the **vlan enable stackable-vlan** command first before adding the port(s) to a vlan.

%VLAN-E-SVLAN_NEG_ACCESS Stackable Vlans has been enabled on access port: %s. Please negate the vlan enable stackable-vlan command first before removing this port from the vlan

Explanation:

Stackable VLANs has already been enabled on port named by %s.

Recommended Action:

Negate the **vlan enable stackable-vlan** command first before removing the port(s) from a vlan.

%VLAN-E-SVLAN_NOT_ACCESS Cannot enable stackable VLAN on port(s) : %s, backbone vlan: %d. Ports must be access ports.

Explanation:

You can not enable a stackable VLAN on an access port.

Recommended Action:

Enable the stackable VLAN on another port.

69 WAN MESSAGES

This chapter describes the messages for the WAN facility.

69.1 WARNING MESSAGES

%WAN-W-MSG invalid nlpid (<*number*>) or proto from vc <*number*> on port <*name*>

Explanation:

This warning message appears when the router receives an illegal nlpid value while connected to a Cisco product via Frame Relay.

Recommended Action:

Ensure that the Permanent Virtual Circuit on the Cisco product is set to IETF PVC.

69.2 ERROR MESSAGES

%WAN-E-WANPORTOUTOFRANGE The specified port %d is out of range

Explanation:

The port number specified in the port name parameter of the command specifies a port number that does not physically exist on the WAN module. For example, if you specify **`t1.9.8`** as a parameter for a command operating on a T1 module, port number 8 is an error. T1 modules have only 4 physical ports.

Recommended Action:

Check the number of ports on the module that you are configuring.

70 WEB CACHE MESSAGES

This chapter describes the messages for the web cache (WC) facility.

70.1 INFORMATIONAL MESSAGES

%WC-I-BYPASS_LIST Bypass list <*list*> for web caching <*name*>

Explanation:

Hosts for which HTTP requests are not redirected for the caching policy.

Recommended Action:

Informational message. No action necessary.

%WC-I-CREATED Web caching <name> has been successfully created for server group <group>

Explanation:

The cache group has been created.

Recommended Action:

Informational message. No action necessary.

%WC-I-DELETED Web caching <name> has been successfully deleted for server group <group>

Explanation:

The cache group has been deleted.

Recommended Action:

Informational message. No action necessary.

%WC-I-INTERFACE Policy <name> has been successfully attached to/attached from <interface> interface

Explanation:

The caching policy has been applied to the specified interface.

Recommended Action:

Informational message. No action necessary.

%WC-I-NOALL No policy applied to all IP interfaces

Explanation:

There is no caching policy that is applied to all IP interfaces.

Recommended Action:

Informational message. No action necessary.

%WC-I-USER_LIST User list <list> for web caching <name>

Explanation:

List of clients for the web caching policy.

Recommended Action:

Informational message. No action necessary.

70.2 ERROR MESSAGES

%WC-E-ACLNOTFOUND Rule <acl> not present

Explanation:

The specified ACL is not found.

Recommended Action:

Check the ACL name and make sure it exists.

%WC-E-APPLIED Policy has other commands attached -- negate these commands first

Explanation:

The policy that is being negated has other commands applied to it. This policy cannot be deleted before the other applied commands.

Recommended Action:

Negate the other commands that are applied to this policy before deleting this policy.

%WC-E-EXCEEDED Total number of servers specified <number> exceeded maximum capacity <maximum>

Explanation:

The number of servers specified exceeds the maximum allowed (128).

Recommended Action:

A maximum of 128 servers can be part of a cache group. Make sure that there are no more than 128 servers specified for the cache group.

%WC-E-IFAPPLIED Interface <name> has a cache applied -- cannot apply multiple cache blocks to an interface

Explanation:

A caching policy is already applied to the specified interface.

Recommended Action:

Compare the applied caching policy with the new policy. To apply the new policy to the interface, first delete the already-applied policy from the interface.

%WC-E-INCORRECT_LIST IP list specified is invalid

Explanation:

The list of IP addresses is specified in an incorrect format.

Recommended Action:

Specify the IP address list in the format “ip-addr1 ... ip-addr4”.

%WC-E-INCORRECT_RANGE IP range specified should have only 2 elements “start IP address end IP address”

Explanation:

The range of IP addresses is specified in an incorrect format.

Recommended Action:

Specify the IP address range in the format “start-IP end-IP”.

%WC-E-INVALID Range or list specified not in correct format e.g. range “lower-IP-address higher-IP address”

Explanation:

The IP address range or list is specified in an incorrect format.

Recommended Action:

Check the command syntax and specify the range or list in the correct format.

%WC-E-IPONLY Policy can be applied to IP ACLs only -- ignoring <acl>

Explanation:

Only IP ACLs can be specified for the policy.

Recommended Action:

Specify an IP ACL.

%WC-E-NOCACHE Could not find cache <name>

Explanation:

The specified cache is not found.

Recommended Action:

Check the cache name and make sure it exists.

%WC-E-NOMEM Processing error -- out of memory <string>

Explanation:

The system is out of memory.

Recommended Action:

Expand existing memory and try again. If the problem persists, contact RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

%WC-E-NONIPIF Cannot apply policy to non IP interface <name>

Explanation:

The interface to which the policy is being applied is a non-IP interface.

Recommended Action:

Apply the policy to an IP interface.

%WC-E-NOSUCHIF Interface <name> does not exist

Explanation:

The specified interface does not exist.

Recommended Action:

Check the interface name and make sure it exists.

%WC-E-NOSVRLIST Could not find server list <list> for cache <name>

Explanation:

The specified server group name does not exist in the specified cache group.

Recommended Action:

Check the server group name and make sure it exists.

%WC-E-SVRLIST_EXISTS Server list <list> already exists

Explanation:

The specified server group name already exists in the specified cache group. Duplicate server names are not allowed.

Recommended Action:

Verify the server group name. Otherwise, no further action is necessary.

APPENDIX A UNDOCUMENTED MESSAGES

Table A-1contains a list undocumented messages. It is unlikely that you will see one of these messages displayed within the syslogs. Most of the undocumented messages are for Riverstone internal use or are artifacts. If you have concerns about any of the undocumented messages, call RTAC. Contact information is in Section 1.3, *"Riverstone Technical Assistance Center."*

Table A-1 Undocumented messages

<ACCEPTED_RX> accepted rx cnx from MPS RC
<ACCEPTED_TX> accepted tx cnx from MPS RC
<ADDRESS_ERROR> Invalid address was entered.
<ADJUST_WARMUP> reset warmup period for virtual router %d on interface %s (%d secs remaining)
<ADJUST_WARMUP> reset warmup period for virtual router %d on interface %s (%d secs remaining)
<ADJUST_WARMUP> reset warm-up period for virtual router %d on interface %s (%d secs remaining)
<AGGRALLOCLIST> Mem allocation failed for an aggregate route.
<ALREADY_APPLIED_PORT> This policy is already applied to the specified port
<APIFAILURE> CMTS API failure
<APPCHECKACTIVE>
<APPLIED> Web-cache '%s' has other commands attached -- negate these commands first
<APPPORT> Application port for TCP checking is not specified
<APS_CONFLICT> failed configuring APS on %s and %s. %s
<APS_CONFLICT> Port (%s) inherited %s config. %s
<APS_CONFLICT> failed configuring APS on %s and %s. %s
<APS_CONFLICT> Port (%s) inherited %s config. %s
<APS_ENABLED> It is invalid to Enable/Configure STP on %s.
<APS_MISMATCH> Unable to configure APS. It's invalid to explicitly %s on the Protecting port.
<APS_PORT_SYNC> Error while updating L2 table of new %s port (%s - vlan %d; mac %04x %04x %04x)
<APS_PORT_SYNC> Error while updating L2 table of new %s port (%s - vlan %d; mac %04x %04x %04x)

Table A-1 Undocumented messages (Continued)

<APS_PORT_SYNC> Error while updating L2 table of new %s port (%s - vlan %d; mac
<APS_PROTECTION> Port level rate limit policy cannot be specified on APS Protecting port(s) %s. Please specify only the APS Working port(s).
<APS_STATUS> Port %s - already %s
<APS_STATUS> Port %s - already %s
<APS_STATUS> Port %s - already %s
<ASPATHACCOVFL> No memory for creating aspath access list
<ASPATHALLOCFAIL> Malloc failed for aspath.
<ASPATHEXST> Aspath access list for id %s already exists
<ASPATHILLEGAL> Aspath %s syntax is illegal.
<ASPATHNEXST> Aspath access list for id %s doesnot exist
<ASPATHNONNULL> AS Path is non null.
<ASPATHNULL> AS Path is null.
<ASPATHREGEXST> Aspath access id %s reg exp %s already exists
<ASPATHREGNEXST> Aspath access id %s reg exp %s doesnot exist
<AT_MODULE> AT Module (Slot %i) : FAILED
<AT_MODULE> AT Module (Slot %i) : PASSED
<ATMCELLMAPPINGNOTSUPPORTED> Port set failed on port at.%d.%d, cell mapping value not valid for this PHY type.
<ATMDIAGNOSTICINIT> The ATM linecard in slot %d failed POST diagnostics.
<ATMFAIL> Failed to send ATM activation to module ’%d’ - error=%d
<ATMFRAMINGNOTSUPPORTED> Port set failed on port at.%d.%d, framing value not valid for this PHY type.
<ATMHARDWAREINIT> The ATM linecard in slot %d failed module initialization.
<ATMLINECODINGNOTSUPPORTED> Port set failed on port at.%d.%d, line coding not valid for this PHY type.
<ATMLINETYPENOTSUPPORTED> Port set failed on port at.%d.%d, line type not valid for this PHY type.
<ATMMEDIANOTSUPPORTED> Port set failed on port at.%d.%d, media type can only be set on MMF, SMF, UTP PHYs.
<ATMPORTDB> Port at.%d.%d database error - memory heap low.
<ATMPORTDIAGPKTERR>Port at.%d.%d failed Packet Diagnostics. See error dump.
<ATMPORTINFAILURE> Port at.%d.%d experienced previous failure. Please repair.
<ATMPORTINSERTION> Port insert failed on Portlist at.%d.%d.

Table A-1 Undocumented messages (Continued)

<ATMPORTMAKERINIT> Port at.%d.%d Maker ASIC failed initialization.
<ATMPORTMIXEDOPTIONS> Mixed Media options specified for ATM port.
<ATMPORTNEGATION> Portlist at.%d.%d has created VCLs.Negation ignored.
<ATMPORTNOTMGMT> Port at.%d.%d not answering management calls.
<ATMPORTPHYNOTPRESENT> Port set failed on port at.%d.%d, PHY not present.
<ATMPORTPHYNOTSUPPORTED> Port set failed on port at.%d.%d, PHY not supported.
<ATMPORTSETFRAMING> Port at.%d.%d did not accept framing %s.
<ATMPORTSETTIMING> Port at.%d.%d did not accept timing source %s.
<ATMSCRAMBLENOTSUPPORTED> Port set failed on port at.%d.%d, scramble value not valid for this PHY type.
<ATMVCMODEVCOPEN> Port set failed on port at.%d.%d, VCs open on line card, negate all interfaces on all ports on this card.
<ATMVCNEGATION> VC at.s.p.%d.%d has open references.Negation ignored.
<AUTH_MISMATCH> not all virtual-routers on interface %s are configured to use the same auth-type
<AUTH_MISMATCH> not all virtual-routers on interface %s are configured to use the same auth-type
<AUTH_MISMATCH> not all virtual-routers on interface %s are configured to use the same auth-type
<BAD_MAC_LEN> next hop %s has sdl with mac len %d, route lookup failing
<BADARP> Port at.%d.%d.%d.%d received an ARP packet with unrecognized opcode 0x%x.
<BADGETNXTOBJ> Bad GET_NEXT Object ID ’%d’
<BADGETNXTOBJ> Bad GET_NEXT Object ID ’%d’
<BADGETNXTOBJ> Bad GET_NEXT Object ID ’%d’
<BADGETNXTOBJ> Bad GET_NEXT Object ID ’%d’
<BADGETNXTOBJ> Bad GET_NEXT Object ID ’%d’
<BADGETNXTOBJ> Bad GET_NEXTObject ID’%d’
<BADGETOBJ> Bad GET Object ID ’%d’
<BADGETOBJ> Bad GET Object ID ’%d’
<BADGETOBJ> Bad GET Object ID ’%d’
<BADGETOBJ> Bad GET Object ID ’%d’
<BADGETOBJ> Bad GET Object ID ’%d’
<BADGETOBJ> Bad GET Object ID ’%d’
<BADGETOBJ> Bad GET Object ID’%d’
<BADINFOBJ> Bad INFORM Object ID ’%d’

Table A-1 Undocumented messages (Continued)

<BADINFOBJ> Bad INFORM Object ID ’%d’
<BADINFOBJ> Bad INFORM Object ID ’%d’
<BADINFOBJ> Bad INFORM Object ID ’%d’
<BADINFOBJ> Bad INFORM Object ID ’%d’
<BADINFOBJ> Bad INFORM Object ID’%d’
<BADINFORMOBJ> Bad INFORM Object ID ’%d’
<BADINFORMOBJ> Bad INFORM Object ID’%d’
<BADOPC> Bad IPC message opcode ’%d’
<BADOPC> Bad IPC message opcode ’%d’
<BADOPC> Bad IPC message opcode ’%d’
<BADOPC> Bad IPC message opcode ’%d’
<BADOPC> Bad IPC message opcode ’%d’
<BADOPC> Bad IPC message opcode ’%d’
<BADOPC> Bad IPC message opcode’%d’
<BADQUERYTIME> Bad query time %d, must be a multiple of %d
<BADREPLYOBJ> Bad REPLY Object ID ’%d’
<BADREPLYOBJ> Bad REPLY Object ID ’%d’
<BADREPLYOBJ> Bad REPLY Object ID ’%d’
<BADREPLYOBJ> Bad REPLY Object ID ’%d’
<BADREPLYOBJ> Bad REPLY Object ID ’%d’
<BADREPLYOBJ> Bad REPLY Object ID ’%d’
<BADREPLYOBJ> Bad REPLY Object ID’%d’
<BADSETOBJ> Bad SET Object ID ’%d’
<BADSETOBJ> Bad SET Object ID ’%d’
<BADSETOBJ> Bad SET Object ID ’%d’
<BADSETOBJ> Bad SET Object ID ’%d’
<BADSETOBJ> Bad SET Object ID ’%d’
<BADSETOBJ> Bad SET Object ID ’%d’
<BADSETOBJ>Bad SET Object ID’%d’
<BADTRAPOBJ> Bad TRAP Object ID ’%d’
<BADTRAPOBJ> Bad TRAP Object ID’%d’
<BADTYPE> Attempt to log with bad type ’%d’

Table A-1 Undocumented messages (Continued)

<BANDWIDTH_INVALID>
<BANDWIDTH_SLOTSIZE_INVALID>
<BCOM_DRIVER> %s
<BCOM_PHY> %s
<BIGDTIMEOUTINIT>Channel %d, timeout while waiting for Bit 0 in BigD Xlnx Init register to be 1.
<BKTA_INUSE> Input Port Level Rate Limiting resources are in use by Aggregate Rate Limiting policies on modules '%s'. Please detach some aggregage policies from the modules
<BOARD_DETECT> Bad Board Detect (Slot %i)
<BOOTREPLY> Forwarded BOOTREPLY for %s to %s
<BOOTREPLY> Forwarded BOOTREPLY for %s to %s (giaddr %s)
<BOOTREQUEST> Forwarded BOOTREQUEST for %s to %s
<BOOTREQUEST> Forwarded BOOTREQUEST for %s to %s (giaddr %s)
<BOOTSOURCEISUNKNOWN>Bootsource did not have a value.
<BPI_AUTH_FAIL> Modem not authorized (headend=%d,upstream=%d,modem=%s)
<BPI_TMR_CREATE> Internal error when creating timer: code %d
<C_SOCKS_ERR> connected sockets error, closing them
<CANNOTNEGATE> Interface %s cannot be negated because addresses have been configured for it using \"interface add\" commands.Please negate the appropriate \"interface add\" commands before negating the \"interface create\" command.
<CANTSETDFLT> Cannot set bpdu encapsulation on DEFAULT Spanning Tree
<CFGRCVSTATE> configuration receive state machine errored
<CHANGEDTOFLOW> Rate limiting mode changed to 'Per Flow'(default mode) for modules '%s'
<CHANGEDTOLINK> Rate limiting mode changed to 'Aggregate' for modules '%s'
<CHANRANGEBAD>
<CHECKSUMOFFSET> Checksum Offset = %d bytes
<CISCO_HDLC_DUP_IPADDR> Cisco HDLC: Cannot update peer IP address on port %d: local and peer addresses are the same
<CISCO_HDLC_ERROR_NOMEM> Cisco HDLC: Cannot allocate Cisco HDLC info memory
<CISCO_HDLC_ERROR_NOTCISCO_HDLC> Cisco HDLC: port is not Cisco HDLC
<CISCO_HDLC_ERROR_TLIBINIT> Cisco HDLC: tlib_init() failed
<CISCO_HDLC_INVALID_ADDR> Cisco HDLC: Invalid address provided by peer - %lx/%lx on port %d
<CISCO_HDLC_INVALID_PORT> Cisco HDLC: Invalid port - %d

Table A-1 Undocumented messages (Continued)

<CLI_CHANNELIZED_ERROR_CONVERSION_FAIL> cli command was not sent to slot %d for port %d due to MLS port to superport conversion failed
<CLI_CHANNELIZED_LINE_SET_FAILED> cli: Line set failed for option %s on line %d slot %d
<CLI_CHANNELIZED_PORT_SET_FAILED> cli: Port set failed for option %s on port %d slot %d channel %d
<CLI_CISCO_HDLCCHGACC> cli: Cannot change to non-trunk access type for wan port %d in slot %d as it belongs to more than one VLAN. Remove port from VLAN's first.
<CLI_ERROR_MEM_FAIL> cli malloc has failed
<CLI_ERROR_MEM_FAIL> cli malloc has failed
<CLI_ERROR_MEM_FAIL> cli malloc has failed
<CLI_ERROR_MEM_FAIL> cli malloc has failed
<CLI_ERROR_NON_LOCAL_PORT> Trying to set local parameters on a LAN port
<CLI_ERROR_NOT_LOCAL_PORT> Trying to set local parameters on a LAN port
<CLI_ERROR_NOT_LOCAL_PORT> Trying to set local parameters on a LAN port
<CLI_FRCHGACC> cli: Cannot change to non-trunk access type for DLCI %d in wan port %d, slot %d as it belongs to more than one VLAN. Remove DLCI from VLAN's first.
<CLI_LMI_SET_FAILED> cli: Cannot set the same LMI parameter in multiple commands
<CLI_LMI_SET_FAILED> cli: Cannot set the same LMI parameter in multiple commands
<CLI_LOCAL_PORT_OUT_OF_RANGE> cli: Port num %d is out of range
<CLI_LOCAL_PORT_OUT_OF_RANGE> cli: Port num %d is out of range
<CLI_LOCAL_PORT_OUT_OF_RANGE> cli: Port num %d is out of range
<CLI_LOCAL_WRONG_PPP_PORT_NAME> cli: Wrong PPP port name
<CLI_LOCAL_WRONG_PPP_PORT_NAME> cli: Wrong PPP port name
<CLI_LOCAL_WRONG_PPP_PORT_NAME> cli: Wrong PPP port name
<CLI_MAX_COMPENCR> cli: Reached maximum number of ports/vc's with compression/encryption.
<CLI_MAX_COMPENCR> cli: Reached maximum number of ports/vc's with compression/encryption.
<CLI_MLPPPCHGACC> cli: Cannot change to non-trunk access type for Multilink PPP bundle mp.%d in slot %d as it belongs to more than one VLAN. Remove bundle from VLAN's first.
<CLI_NON_CISCO_HDLC_PORT> card %d port %d is not a Cisco HDLC port
<CLI_NON_CISCO_HDLC_PORT> card %d port %d%s is not a Cisco HDLC port
<CLI_NON_CISCO_HDLC_PROFILE> cli: Trying to seta non-cisco-hdlc service (%s) on a Cisco HDLC port (%d)
<CLI_NON_CISCO_HDLC_PROFILE> cli: Trying to set a non-cisco-hdlc service (%s) on a Cisco HDLC port %d slot %d%s

Table A-1 Undocumented messages (Continued)

<CLI_NON_CISCO_HDLC_PROFILE> cli: Trying to set a non-cisco-hdlc service (%s) on a Cisco HDLC port (%d)
<CLI_NON_CISCO_HDLC_PROFILE> cli: Trying to set a non-cisco-hdlc service (%s) on a Cisco HDLC port %d slot %d%s
<CLI_NON_LOCAL_PORT> cli: Port %d is not a local port
<CLI_NON_LOCAL_PORT> cli: Port %d is not a local port
<CLI_PPPCHGACC> cli: Cannot change to non-trunk access type for wan port %d in slot %d as it belongs to more than one VLAN. Remove port from VLAN's first.
<CLI_VCCOMP> cli: port %d vc %d already has compression enabled
<CLI_WAN_WRONG_CISCO_HDLC_PORT_NAME> Wrong Cisco HDLC port name
<CLI_WAN_WRONG_CISCO_HDLC_PORT_NAME> Wrong Cisco HDLC port name
<CLI_WAN_WRONG_CISCO_HDLC_PORT_NAME> Wrong Cisco HDLC port name
<CLI_WAN_WRONG_CISCO_HDLC_PORT_NAME> Wrong Cisco HDLC port name %d.%d.%d
<CLI_WRONG_OBJECT_ID> cli: Got cli msg with unrecognized object id
<CLI_WRONG_OPCODE> cli: Got cli msg with unrecognized opcode
<CLIENT_MAC_MOVE>
<CLOSEFAIL> Failed to close IPC client on port '%d'
<CMTS_BCM3033_REG> (Slot %i): BCM-3033 Register Test: FAILED
<CMTS_BCM3033_REG> (Slot %i): BCM-3033 Register Test: PASSED
<CMTS_BCM3137_REG> (Slot %i): BCM-3137 Register Test: FAILED
<CMTS_BCM3137_REG> (Slot %i): BCM-3137 Register Test: PASSED
<CMTS_BCM3210_INT_LB> (Slot %i): BCM-3210 Internal Loopback Test: FAILED
<CMTS_BCM3210_INT_LB> (Slot %i): BCM-3210 Internal Loopback Test: PASSED
<CMTS_BCM3210_LED> (Slot %i): BCM-3210 LED Test: FAILED
<CMTS_BCM3210_LED> (Slot %i): BCM-3210 LED Test: PASSED
<CMTS_BCM3210_REG> (Slot %i): BCM-3210 Register Test: FAILED
<CMTS_BCM3210_REG> (Slot %i): BCM-3210 Register Test: PASSED
<CMTS_BCM3210_TS_CNTR> (Slot %i): BCM-3210 Time Stamp Counter Test: FAILED
<CMTS_BCM3210_TS_CNTR> (Slot %i): BCM-3210 Time Stamp Counter Test: PASSED
<CMTS_CPU_TESTS> CMTS PROM-Based Tests (Slot %i) : FAILED
<CMTS_CPU_TESTS> CMTS PROM-Based Tests (Slot %i) : PASSED
<CMTS_ETHER_REG> (Slot %i) : CMTS Ethernet Controller Registers Test : FAILED
<CMTS_ETHER_REG> (Slot %i) : CMTS Ethernet Controller Registers Test : PASSED

Table A-1 Undocumented messages (Continued)

<CMTS_EXT_LB> (Slot %i) : CMTS Ethernet XBAR Loopback : FAILED
<CMTS_EXT_LB> (Slot %i) : CMTS Ethernet XBAR Loopback : PASSED
<CMTS_EXTN_BUFFER_RAM> (Slot %i): External Buffer RAM Test: FAILED
<CMTS_EXTN_BUFFER_RAM> (Slot %i): External Buffer RAM Test: PASSED
<CMTS_EXTN_KEY_RAM> (Slot %i): External Key RAM Test: FAILED
<CMTS_EXTN_KEY_RAM> (Slot %i): External Key RAM Test: PASSED
<CMTS_EXTN_MAP_RAM> (Slot %i): External Map RAM Test: FAILED
<CMTS_EXTN_MAP_RAM> (Slot %i): External Map RAM Test: PASSED
<CMTS_GALILEO_REG_TEST> (Slot %i) : CMTS Galileo Registers Test : FAILED
<CMTS_GALILEO_REG_TEST> (Slot %i) : CMTS Galileo Registers Test : PASSED
<CMTS_GALILEO_TIMER_TEST> (Slot %i) : CMTS Galileo Timer Interrupt Test : FAILED
<CMTS_GALILEO_TIMER_TEST> (Slot %i) : CMTS Galileo Timer Interrupt Test : PASSED
<CMTS_L2_CACHE> (Slot %i) : CMTS L2 Cache Test : FAILED
<CMTS_L2_CACHE> (Slot %i) : CMTS L2 Cache Test : PASSED
<CMTS_MAC_LB> (Slot %i) : CMTS Ethernet MAC Loopback : FAILED
<CMTS_MAC_LB> (Slot %i) : CMTS Ethernet MAC Loopback : PASSED
<CMTS_MOD_PROM_TESTS> %s
<CMTS_MODULE> CMTS Module (Slot %i) : FAILED
<CMTS_MODULE> CMTS Module (Slot %i) : PASSED
<CMTS_ONLY> This command requires a CMTS port
<CMTS_PCI9080_REG> (Slot %i): PCI-9080 Register Test: FAILED
<CMTS_PCI9080_REG> (Slot %i): PCI-9080 Register Test: PASSED
<CMTS_PKT> %s
<CMTS_PORT_STATUS> (Slot %i, HDLC Port %i) : FAILED
<CMTS_SDRAM_A_D_BUS> (Slot %i) : CMTS SDRAM Address and Data Buses Test : FAILED
<CMTS_SDRAM_A_D_BUS> (Slot %i) : CMTS SDRAM Address and Data Buses Test : PASSED
<CMTS_SDRAM_MARCH_C> (Slot %i) : CMTS SDRAM MarchC Memory Test : FAILED
<CMTS_SDRAM_MARCH_C> (Slot %i) : CMTS SDRAM MarchC Memory Test : PASSED
<CMTS_SEMAPHORE> (Slot %i) : CMTS Semaphore Test : FAILED
<CMTS_SEMAPHORE> (Slot %i) : CMTS Semaphore Test : PASSED
<CMTS_SHMEM> (Slot %i) : Shared Memory Test: FAILED
<CMTS_SHMEM> (Slot %i) : Shared Memory Test: PASSED

Table A-1 Undocumented messages (Continued)

<CMTS_TOD_IPC_RECVQ_FAIL> queue registration with IPC failed, cannot receive msg from cmts card through IPC
<CMTS_TOD_RECEIVE_FAIL> error on receiving msg from cmts card, error code %d
<CMTS_TOD_RECVQ_FAIL> create queue failed, cannot receive msg from cmts card
<CMTS_TOD_SEND_FAIL> CMTS TOD msg not sent due to IPC failure
<CMTS_TOD_TMR_FAIL> create timer failed, cannot periodically update time on cmts card
<CMTS_TOD_WAIT_FAIL> CMTS TOD event with unsuccessful status %d
<CMTS_TOD_WRONG_OBJECT_ID> CMTS TOD msg received with unrecognized object id = %d
<CONFIG_UPDATE> updated config for virtual router %d on interface %s
<CONFIG_UPDATE> updated config for virtual router %d on interface %s
<CONFIG_UPDATE> updated config for virtual router %d on interface %s (%s)
<CONN_SUCCESS> connected sockets configured
<CPU_MOD_CACHE_MEM> CPU Module Cached Memory : FAILED
<CPU_MOD_EN0_LOOPBACK> EN0 Packet Loopback : FAILED : Size = %d; Seq = %s
<CPU_MOD_EN0_PAYLOAD_DATA> EN0 Packet Payload Mismatch : Size = %d; Seq = %s
<CPU_MOD_EN0_PAYLOAD_LEN> EN0 Packet Length Mismatch : Expected %d; Got %d
<CPU_MOD_EN0_Q> EN0 Diag Queue not initialized
<CPU_MOD_ETH> CPU Module Ethernet : FAILED
<CPU_MOD_EXTFLASH> CPU Module External Flash : FAILED
<CPU_MOD_FLASH> CPU Module Flash : FAILED
<CPU_MOD_INTFLASH> CPU Module Internal Flash : FAILED
<CPU_MOD_MEM> CPU Module Memory : FAILED
<CPU_MOD_NOEXTFLASH> CPU Module : No External Flash to test
<CPU_MOD_RTC> CPU Module : Real Time Clock did not advance
<CPU_MOD_SYSREG_GEN> CPU Module FPGA : %s
<CPU_MOD_SYSREG_HOTSWAP_FAIL> CPU Module Sysreg Hotswap ; Module %i : FAILED
<CPU_MOD_SYSREG_HOTSWAP_MISMATCH> CPU Module Sysreg Hotswap ; Hotswap detect mismatch 0x%08lx
<CPU_MOD_SYSREG_INT_MISMATCH> CPU Module Sysreg Interrupt ; Unexpected interrupt was encountered
<CPU_MOD_SYSREG_INT_NOMATCH> CPU Module Sysreg Interrupt ; Expected interrupt did not occur
<CPU_MOD_SYSREG_INT_Q> CPU Module Sysreg Interrupt Queue Unitialized; Check runscope option
<CPU_MOD_SYSREG_INT_TIMEOUT> CPU Module Sysreg Interrupt Timeout

Table A-1 Undocumented messages (Continued)

<CPU_MOD_SYSREG_INT_TIMEOUT> CPU Module Sysreg Interrupt Timeout
<CPU_MOD_SYSREG> CPU Module FPGA Test: FAILED
<CPU_MOD_SYSREG> CPU Module FPGA Test: PASSED
<CPU_MOD_TIMER_INT> CPU Module : Timer interrupt not detected
<CPU_MOD_TIMERS_MISMATCH> CPU Module : Timers out of sync
<CPU_MOD_TIMERS> CPU Module Timers : FAILED
<CPU_MOD_UCACHE_MEM> CPU Module Uncached Memory : FAILED
<CPU_MOD_Z8536> CPU Module : z8536 timer did not advance
<CPU_MODULE_XBAR> CPU Module to Back-Plane : FAILED
<CPU_MODULE_XBAR> CPU Module to Back-Plane : PASSED
<CPU_MODULE> CPU Module : FAILED
<CPU_MODULE> CPU Module : PASSED
<CREATE_FILTER_STS> Rule ’%s’ is %s
<CREATE_MBOX> Could not create the N-BASE Task Mailbox.
<CREATE_QUE> failed creating queue %s (retCode %d)
<CREATEQ> error creating ’%s’ queue - error=%d
<CSR_REQUIRED> %s.
<CTL_ERROR_NOMEM> control: Cannont allocate memory for message
<CTL_ERROR_NOMEM> control: Cannont allocate memory for message
<CTL_ERROR_NOMEM> control: Cannont allocate memory for message
<CTL_ERROR_NOMEM> control: Cannot allocate memory for message
<CTL_ERROR_NOMEM> control: Cannot allocate memory for message
<CTL_ERROR_QUEUE_SEND> control: Cannot send message to control task
<CTL_ERROR_QUEUE_SEND> control: Cannot send message to control task
<CTL_ERROR_QUEUE> control: Cannot create nucleus queue
<CTL_ERROR_QUEUE> control: Cannot create nucleus queue
<CTL_ERROR_QUEUE> control: Cannot create nucleus queue
<CTL_ERROR_QUEUE> control: Cannot create nucleus queue
<CTL_ERROR_TIMER> control: Cannot create nucleus timer
<CTL_ERROR_TIMER> control: Cannot create nucleus timer
<CTL_ERROR_TIMER> control: Cannot create nucleus timer
<CTL_ERROR_TIMER> control: Cannot create nucleus timer

Table A-1 Undocumented messages (Continued)

<CTL_PKT_LOOPBACK> %s packet was looped back on port %d
<DEAD_PORT> Dead Port: (Slot %i, Port %i) (No Further Testing of this port)
<DEBUG_PKT_TYPE> Unable to determine packet type for debugging
<DEBUG_PKT_TYPE> Unable to determine packet type for debugging
<DEBUG_PKT_TYPE> Unable to determine packet type for debugging
<DEBUG_PKT_TYPE> Unable to determine packet type for debugging
<DEBUG_TEST> Debug Test: FAILED
<DEBUG_TEST> Debug Test: PASSED
<DEBUG> AGGRGEN debug level is %d.
<DEBUG>UNICAST debug level is %d.
<DEBUG> POLICY debug level is %d.
<DEC_DRIVER> %s
<DEF_CREATED> Default policy '%s' has been successfully created
<DIAG_BEGIN_TIME> Begin Time : %s
<DIAG_BEGIN> Running system diagnostics...this may take a few moments
<DIAG_END_TIME> End Time : %s
<DIAG_END> Done with system diagnostics
<DIAG_ID> My boot prom MAC address (ethaddr) : %s {CPU in Slot %i}
<DIAG_ID2> CPU Module Type : %s (Rev %s) ; CPU freq = %s; CPU Board freq = %s
<DIAG_ID3> System Type : %s (Rev %s)
<DIAG_LOOP_INFO> %s : %i
<DIAG_LOOP> Failure detected at iteration %i : %s
<DIAG_RCV_PKT_MALLOC_FAILED> Malloc reports there is no more available memory.
<DISDSTUNREACH> ICMP destination unreachable messages disabled.
<DISECHORPLY> ICMP echo reply messages disabled.
<DISTIMSTMPRPLY> ICMP time stamp reply mesaages disabled.
<DISTIMXCEEDED> ICMP timexceeded messages disabled.
<DMAC_EXT_LOOPBACK> (Slot %i, Port %i) : DMAC External Loopback : FAILED
<DMAC_EXT_LOOPBACK> (Slot %i, Port %i) : DMAC External Loopback : PASSED
<DMAC_MAC_LOOPBACK> (Slot %i, Port %i) : DMAC MAC Loopback : FAILED
<DMAC_MAC_LOOPBACK> (Slot %i, Port %i) : DMAC MAC Loopback : PASSED
<DMAC_MEM_TEST> (Slot %i, Port %i) : DMAC Memory Test : FAILED

Table A-1 Undocumented messages (Continued)

<DMAC_MEM_TEST> (Slot %i, Port %i) : DMAC Memory Test : PASSED
<DMAC_PHY_LOOPBACK> (Slot %i, Port %i) : DMAC PHY Loopback : FAILED
<DMAC_PHY_LOOPBACK> (Slot %i, Port %i) : DMAC PHY Loopback : PASSED
<DMAC_RX_PKT> LOCAL Simulator received a packet from a DMAC
<DMAC_RX_PKT> LOCAL Simulator received a packet from a DMAC
<DMAC_RX_PKT> LOCAL Simulator received a packet from a DMAC
<DMAC_RX_PKT> WAN Simulator received a packet from a DMAC
<DMAC_RX_PKT> WAN Simulator received a packet from a DMAC
<DMAC_STRIP_LOOPBACK> (Slot %i, Port %i) : DMAC Stripping Loopback : FAILED
<DMAC_STRIP_LOOPBACK> (Slot %i, Port %i) : DMAC Stripping Loopback : PASSED
<DMAC_TEST> (Slot %i, Port %i) : DMAC Test : FAILED
<DMAC_TEST> (Slot %i, Port %i) : DMAC Test : PASSED
<DNSOLDMAL> %s
<DOWNSTREAM_INVALID> Invalid downstream id (headend=%d,modem=%s) : %d
<DOWNSTREAM> Invalid CATV downstream channel value %d - valid range is 1 to %d
<DSTBAD> Dest port %d is not valid
<DSTMODE> One of the ACLs in the policy has src socket, dst socket or source
<DSTNTEXIST> Aggr-Gen network %s already exists.
<DUMPINPROG>
<DUMPINPROG>Gated dump is already in progress.
<DYNLCLRM> %s
<DYNPATMA> %s
<ECP_DISABLED> ppp shim: Encryption disabled on port %d: Self-Describing-Padding not supported by peer
<EGRESS_CISCO_HDLC_DEC_FAIL> egress: failed to forward on port %d
<EGRESS_CISCO_HDLC_DEC_FAIL> egress: failed to forward on port %d
<EGRESS_CISCO_HDLC_DEC_FAIL> egress: failed to forward on port %d%s
<EGRESS_CISCO_HDLC_FORMAT> egress: wrong PDU format on port %d
<EGRESS_CISCO_HDLC_FORMAT> egress: wrong PDU format on port %d
<EGRESS_CISCO_HDLC_PORT_DISABLED> egress: Cisco HDLC port %d is not up
<EGRESS_CISCO_HDLC_PORT_DISABLED> egress: Cisco HDLC port %d is not up
<EGRESS_CISCO_HDLC_PORT_DISABLED> egress: Cisco HDLC port %d%s is not up

Table A-1 Undocumented messages (Continued)

<EGRESS_CISCO_HDLC_PROT> egress: unsupported protocol on port %d: 0x%ls
<EGRESS_DEC_SEND> dec_send (local to ssr) failed
<EGRESS_ERROR_FORMAT> egress: wrong PDU format
<EGRESS_ERROR_FORMAT> egress: wrong PDU format
<EGRESS_ERROR_FORMAT> egress: wrong PDU format
<EGRESS_ERROR_FR_NLPID> egress: invalid nlpi or proto
<EGRESS_ERROR_FR_NLPID> egress: invalid nlpi or proto
<EGRESS_ERROR_FR_NLPID> egress: invalid nlpi or proto
<EGRESS_ERROR_FR_OUI> egress: invalid fr oui
<EGRESS_ERROR_FR_OUI> egress: invalid fr oui
<EGRESS_ERROR_FR_PID> egress: invalid fr L3 pid
<EGRESS_ERROR_FR_PID> egress: invalid fr L3 pid
<EGRESS_ERROR_FR_PID> egress: invalid fr L3 pid
<EGRESS_ERROR_FR_VC_DISABLED> egress: VC is not up
<EGRESS_ERROR_FR_VC_DISABLED> egress: VC is not up
<EGRESS_ERROR_INARP_ADDR> inarp error: src and dst address are not on the same network(src %s, dst %s, netmask %d)
<EGRESS_ERROR_INARP_DSTADDR> could not find any l3 entry which is on the same subnet as the given peer address(%s)
<EGRESS_ERROR_INARP_DSTADDR> could not find any l3 entry which is on the same subnet as the given peer address(%s)
<EGRESS_ERROR_INARP_IPX_ADDR> error: src and dst address are not on the same network(src %s, dst %s)
<EGRESS_ERROR_INARP_IPX_ADDR> error: src and dst address are not on the same network(src %s, dst %s)
<EGRESS_ERROR_INARP_RESOLVE> peer address(%s) is the same as local address(%s)
<EGRESS_ERROR_INARP_RESOLVE> peer address(%s) is the same as local address(%s)
<EGRESS_ERROR_INARP> egress: inarp error
<EGRESS_ERROR_INARP> egress: inarp error
<EGRESS_ERROR_INARP> egress: inarp error
<EGRESS_ERROR_LOCAL_PROTO> egress: invalid LOCAL proto
<EGRESS_ERROR_LOCAL_PROTO> egress: invalid LOCAL proto
<EGRESS_ERROR_LOCAL_PROTO> egress: invalid LOCAL proto

Table A-1 Undocumented messages (Continued)

<EGRESS_ERROR_MAC_TYPE> egress: invalid MAC type
<EGRESS_ERROR_MAC_TYPE> egress: invalid MAC type
<EGRESS_ERROR_MAC_TYPE> egress: invalid MAC type
<EGRESS_ERROR_PORT_DISABLED> egress: PPP port is not up
<EGRESS_ERROR_PORT_DISABLED> egress: PPP port is not up
<EGRESS_ERROR_PORT_N_EXISTING> egress: non-existing local port
<EGRESS_ERROR_PORT_N_EXISTING> egress: non-existing local port
<EGRESS_ERROR_PORT_N_EXISTING> egress: non-existing local port
<EGRESS_ERROR_PPP_PID> egress: invalid PPP proto id
<EGRESS_ERROR_PPP_PID> egress: invalid PPP proto id
<EGRESS_FR_DEC_FAIL> egress: failed to forward from vc %d on port %d%s
<EGRESS_FR_DEC_FAIL> egress: failed to forward from vc %d on port %d
<EGRESS_MAC_TYPE> egress: invalid MAC type on port %d
<EGRESS_MLP_PID> egress: invalid PPP proto id(%x) on port %d in mp.%x
<EGRESS_MLP_PID> egress: invalid PPP proto id(%x) on port %d in mp.%x
<EGRESS_MLP_PID> egress: invalid PPP proto id(%x) on port %d in mp.%x
<EGRESS_MLP_PID> egress: invalid PPP proto id(%x) on port %d%s in mp.%x
<EGRESS_PORT_N_EXISTING> egress: non-existing wan port %d
<EGRESS_PORT_N_EXISTING> egress: non-existing wan port %d
<EGRESS_PORT_N_EXISTING> egress: non-existing wan port %d%s
<EGRESS_PPP_DEC_FAIL> egress: failed to forward on port %d%s
<EGRESS_PPP_FORMAT> egress: wrong PDU format on port %d
<EGRESS_PPP_FORMAT> egress: wrong PDU format on port %d
<EGRESS_PPP_FORMAT> egress: wrong PDU format on port %d
<EGRESS_WAN_PROTO> egress: invalid WAN proto on port %d
<EGRESS_WAN_PROTO> egress: invalid WAN proto on port %d
<ENCAPALRDSET> Bpdu Encapsulation already turned on for some Spanning Tree
<ENCAPSMEMFAILED> Port at.%d.%d, failed Encaps memory testing.
<END_MODULE_CRASH> System received above crash dump from module %d
<ENDSTUNREACH> ICMP destination unreachable messages enabled.
<ENECHORPLY> ICMP echo reply messages enabled.
<ENIF> Web-caching ’%s’ cannot be applied to the management interface

Table A-1 Undocumented messages (Continued)

<ENTIMSTMPRPLY> ICMP time stamp reply mesaages enabled.
<ENTIMXCEEDED> ICMP timexceeded messages enabled.
<EPT_ERROR_NOENTRY> eptdelete: no such entry
<EPT_ERROR_NOENTRY> eptdelete: no such entry
<EPT_ERROR_NOENTRY> eptdelete: no such entry
<EPT_ERROR_NOENTRY> eptdelete: no such entry
<EPT_ERROR_NOMEM> eptadd: malloc failed
<EPT_ERROR_NOMEM> eptadd: malloc failed
<EPT_ERROR_NOMEM> eptadd: malloc failed
<EPT_ERROR_NOMEM> eptadd: malloc failed
<ERIPNUCALLFAIL> ’%s’ : returned 0x%x
<ESAPNFOUND> SAP Entry not found
<ESAPNFOUND> SAP Entry not found
<ESAPNOMATCH> SAP Service Address does not match to one learnt from network
<ESAPNOMATCH> SAP Service Address does not match to one learnt from network
<ESAPNOMEM> Cannot allocate memory for SAP entry
<ESAPSTATNOMATCH> SAP Service Address does not match to one existing in SAP table
<EVGBAD> unexpected events seen, expected 0x%x, seen 0x%x
<EXCEEDED> Total number of servers specified %d exceeded maximum capacity %d
<FAMILY> Unknown address family: %s
<FE_MODULE> FE Module (Slot %i) : FAILED
<FE_MODULE> FE Module (Slot %i) : PASSED
<FEC_CODEWORD_DATA_INVALID>
<FEC_CODEWORD_INVALID>
<FEC_ERROR_COR_INVALID>
<FIXING_MBS_OPTION> MBS set, QoS not VBR. Clearing MBS value.
<FIXING_SCR_OPTION> SCR set, QoS not VBR. Clearing SCR value.
<FIXINGMBSOPTION> MBS set, Service Category not VBR. Clearing MBS value.
<FLOW_MIRROR_INFO> Flow mirroring for rule ’%s’ is %s
<FLOW_STP> Cannot enable flow-bridging-mode and force-STP-state simultaneously (%s).
<FLT_PORTMODE> A flow filter has been specified but at least one port in the input port list is in address mode. The filter won’t be applied on that port.

Table A-1 Undocumented messages (Continued)

<FORCEBGDENCAP> Bridged PPP encapsulation has been forced on port %s
<FRCCAPP_ERROR_CHANINIT> frcc app: FRCC_ChanInit() failed
<FRCCAPP_ERROR_CHANINIT> frcc app: FRCC_ChanInit() failed
<FRCCAPP_ERROR_CHANINIT> frcc app: FRCC_ChanInit() failed
<FRCCAPP_ERROR_FIND_CHAN> frcc app: Cannnot find FRCC channel
<FRCCAPP_ERROR_FIND_CHAN> frcc app: Cannnot find FRCC channel
<FRCCAPP_ERROR_FIND_CHAN> frcc app: Cannnot find FRCC channel
<FRCCAPP_ERROR_FR> frcc app: fr is not initialized
<FRCCAPP_ERROR_FR> frcc app: fr is not initialized
<FRCCAPP_ERROR_FR> frcc app: fr is not initialized
<FRCCAPP_ERROR_FRCCREQ> frcc app: FRCC_Req() failed
<FRCCAPP_ERROR_FRCCREQ> frcc app: FRCC_Req() failed
<FRCCAPP_ERROR_FRCCREQ> frcc app: FRCC_Req() failed
<FRCCAPP_ERROR_NOBUF> frcc app: Cannot get buffer
<FRCCAPP_ERROR_NOBUF> frcc app: Cannot get buffer
<FRCCAPP_ERROR_NOBUF> frcc app: Cannot get buffer
<FRCCAPP_ERROR_NOLMI> frcc app: LMI type unknown
<FRCCAPP_ERROR_NOLMI> frcc app: LMI type unknown
<FRCCAPP_ERROR_NOLMI> frcc app: LMI type unknown
<FRCCAPP_ERROR_NOMEM> frcc app: Cannot allocate frcc info
<FRCCAPP_ERROR_NOMEM> frcc app: Cannot allocate frcc info
<FRCCAPP_ERROR_NOMEM> frcc app: Cannot allocate frcc info
<FRCCAPP_ERROR_NOTFR> frcc app: port is not frame relay
<FRCCAPP_ERROR_NOTFR> frcc app: port is not frame relay
<FRCCAPP_ERROR_NOTFR> frcc app: port is not frame relay
<FRCCAPP_ERROR_PORTINUSE> frcc app: port already in use
<FRCCAPP_ERROR_PORTINUSE> frcc app: port already in use
<FRCCAPP_ERROR_PORTINUSE> frcc app: port already in use
<FRCCAPP_ERROR_PVCINIT> frcc app: FRCC_PvcInit() failed
<FRCCAPP_ERROR_PVCINIT> frcc app: FRCC_PvcInit() failed
<FRCCAPP_ERROR_PVCINIT> frcc app: FRCC_PvcInit() failed
<FRCCAPP_ERROR_PVCTERM> frcc app: FRCC_PvcTerm() failed

Table A-1 Undocumented messages (Continued)

<FRCCAPP_ERROR_PVCTERM> frcc app: FRCC_PvcTerm() failed
<FRCCAPP_ERROR_PVCTERM> frcc app: FRCC_PvcTerm() failed
<FRCCAPP_ERROR_SMEGETADDR> frcc app: SmeGetAddr() failed
<FRCCAPP_ERROR_SMEGETADDR> frcc app: SmeGetAddr() failed
<FRCCAPP_ERROR_SMEGETADDR> frcc app: SmeGetAddr() failed
<FRCCAPP_ERROR_SMEGETCEI> frcc app: SME_FrGetSigCei() failed
<FRCCAPP_ERROR_SMEGETCEI> frcc app: SME_FrGetSigCei() failed
<FRCCAPP_ERROR_SMEGETCEI> frcc app: SME_FrGetSigCei() failed
<FRCCAPP_ERROR_SMEGETCFG> frcc app: SmeGetCfg() failed
<FRCCAPP_ERROR_SMEGETCFG> frcc app: SmeGetCfg() failed
<FRCCAPP_ERROR_SMEGETCFG> frcc app: SmeGetCfg() failed
<FRCCAPP_ERROR_TLIBINIT> frcc app: tlib_init() failed
<FRCCAPP_ERROR_TLIBINIT> frcc app: tlib_init() failed
<FRCCAPP_ERROR_TLIBINIT> frcc app: tlib_init() failed
<FRCCAPP_ERROR_UNSUPPORTED_LMI> frcc app: LMI type is unsupported
<FRCCAPP_ERROR_UNSUPPORTED_LMI> frcc app: LMI type is unsupported
<FRCCAPP_ERROR_UNSUPPORTED_LMI> frcc app: LMI type is unsupported
<FRCCAPP_ERROR_VC> frcc app: vc not initialized
<FRCCAPP_ERROR_VC> frcc app: vc not initialized
<FRCCAPP_ERROR_VC> frcc app: vc not initialized
<FRCCAPP_ERROR_VCINUSE> frcc app: vc already in use
<FRCCAPP_ERROR_VCINUSE> frcc app: vc already in use
<FRCCAPP_ERROR_VCINUSE> frcc app: vc already in use
<FRCCAPP_INVALID_PORT> frcc app: Invalid port - %d
<FRCCAPP_INVALID_PORT> frcc app: Invalid port - %d
<FRCCAPP_INVALID_PORT> frcc app: Invalid port - %d
<FRCCAPP_INVALID_VC> frcc app: Invalid VC - %d
<FRCCAPP_INVALID_VC> frcc app: Invalid VC - %d
<FRSHIM_ERROR_CHANINIT> fr shim: FRCC_ChanInit() failed
<FRSHIM_ERROR_CHANINIT> fr shim: FRCC_ChanInit() failed
<FRSHIM_ERROR_DCPADD> fr shim: DCP_Add() failed - code %d
<FRSHIM_ERROR_DCPADD> fr shim: DCP_Add() failed - code %d

Table A-1 Undocumented messages (Continued)

<FRSHIM_ERROR_DCPPRIM> fr shim: Unhandled primitive from DCP, port %d, vc %d, primitive %d
<FRSHIM_ERROR_DCPPRIM> fr shim: Unhandled primitive from DCP, port %d, vc %d, primitive %d
<FRSHIM_ERROR_DCPREQ> fr shim: DCP Request() failed - code 0x%x
<FRSHIM_ERROR_DCPREQ> fr shim: DCP Request() failed - code 0x%x
<FRSHIM_ERROR_FIND_CHAN> fr shim: Cannnot find FRCC channel
<FRSHIM_ERROR_FIND_CHAN> fr shim: Cannnot find FRCC channel
<FRSHIM_ERROR_FR> fr shim: fr is not initialized
<FRSHIM_ERROR_FR> fr shim: fr is not initialized
<FRSHIM_ERROR_FRCCREQ> fr shim: FRCC_Req() failed
<FRSHIM_ERROR_FRCCREQ> fr shim: FRCC_Req() failed
<FRSHIM_ERROR_NO_UNASSIGNED_IDS> fr shim: Cannot get an unassigned call id
<FRSHIM_ERROR_NO_UNASSIGNED_IDS> fr shim: Cannot get an unassigned call id
<FRSHIM_ERROR_NOBUF> fr shim: Cannot get buffer
<FRSHIM_ERROR_NOBUF> fr shim: Cannot get buffer
<FRSHIM_ERROR_NOIDS> fr shim: Cannot generate a call id
<FRSHIM_ERROR_NOIDS> fr shim: Cannot generate a call id
<FRSHIM_ERROR_NOLMI> fr shim: LMI type unknown
<FRSHIM_ERROR_NOLMI> fr shim: LMI type unknown
<FRSHIM_ERROR_NOMEM> fr shim: Cannot allocate frcc info
<FRSHIM_ERROR_NOMEM> fr shim: Cannot allocate frcc info
<FRSHIM_ERROR_NOSAP> fr shim: Cannot find free sap
<FRSHIM_ERROR_NOSAP> fr shim: Cannot find free sap
<FRSHIM_ERROR_NOTFR> fr shim: port is not frame relay
<FRSHIM_ERROR_NOTFR> fr shim: port is not frame relay
<FRSHIM_ERROR_PORTINUSE> fr shim: port already in use
<FRSHIM_ERROR_PORTINUSE> fr shim: port already in use
<FRSHIM_ERROR_PVCINIT> fr shim: FRCC_PvcInit() failed
<FRSHIM_ERROR_PVCINIT> fr shim: FRCC_PvcInit() failed
<FRSHIM_ERROR_PVCTERM> fr shim: FRCC_PvcTerm() failed
<FRSHIM_ERROR_PVCTERM> fr shim: FRCC_PvcTerm() failed
<FRSHIM_ERROR_SMEADDADDR> fr shim: SmeAddAddr() failed - code %d
<FRSHIM_ERROR_SMEADDADDR> fr shim: SmeAddAddr() failed - code %d

Table A-1 Undocumented messages (Continued)

<FRSHIM_ERROR_SMEADDCEI> fr shim: SmeAddCei() failed - code %d
<FRSHIM_ERROR_SMEADDCEI> fr shim: SmeAddCei() failed - code %d
<FRSHIM_ERROR_SMEADDCFG> fr shim: SmeAddCfg() failed - code %d
<FRSHIM_ERROR_SMEADDCFG> fr shim: SmeAddCfg() failed - code %d
<FRSHIM_ERROR_SMEADDSERVICE> fr shim: SmeAddService() failed - code %d
<FRSHIM_ERROR_SMEADDSERVICE> fr shim: SmeAddService() failed - code %d
<FRSHIM_ERROR_SMEDLCREATELINKCEI> fr shim: SME_DlCreateLinkCei() failed - code %d
<FRSHIM_ERROR_SMEDLCREATELINKCEI> fr shim: SME_DlCreateLinkCei() failed - code %d
<FRSHIM_ERROR_SMEGETADDR> fr shim: SmeGetAddr() failed - code %d
<FRSHIM_ERROR_SMEGETADDR> fr shim: SmeGetAddr() failed - code %d
<FRSHIM_ERROR_SMEGETCEI> fr shim: SME_FrGetSigCei() failed - code %d
<FRSHIM_ERROR_SMEGETCEI> fr shim: SME_FrGetSigCei() failed - code %d
<FRSHIM_ERROR_SMEGETCFG> fr shim: SmeGetCfg() failed - code %d
<FRSHIM_ERROR_SMEGETCFG> fr shim: SmeGetCfg() failed - code %d
<FRSHIM_ERROR_TLIBINIT> fr shim: tlib_init() failed
<FRSHIM_ERROR_TLIBINIT> fr shim: tlib_init() failed
<FRSHIM_ERROR_UNSUPPORTED_LMI> fr shim: LMI type is unsupported
<FRSHIM_ERROR_UNSUPPORTED_LMI> fr shim: LMI type is unsupported
<FRSHIM_ERROR_VC> fr shim: vc not initialized
<FRSHIM_ERROR_VC> fr shim: vc not initialized
<FRSHIM_ERROR_VCINUSE> fr shim: vc already in use
<FRSHIM_ERROR_VCINUSE> fr shim: vc already in use
<FRSHIM_INVALID_PORT> fr shim: Invalid port - %d
<FRSHIM_INVALID_PORT> fr shim: Invalid port - %d
<FRSHIM_INVALID_VC> fr shim: Invalid VC - %d
<FRSHIM_INVALID_VC> fr shim: Invalid VC - %d
<FRSHIM_PORT_DISABLED> fr shim: Cannot allocate VC’s on port %d: port is disabled
<FRSHIM_PORT_DISABLED> fr shim: Cannot allocate VC’s on port %d: port is disabled
<FWDMSGFAIL> Failed to forward msg with error ’%d’
<FWDSAVEDMSGFAIL> Failed to forward saved msg with error ’%d’
<GCASTGET> Cannot get a multicast entry in OPP table
<GE_MODULE> GE Module (Slot %i) : FAILED

Table A-1 Undocumented messages (Continued)

<GE_MODULE> GE Module (Slot %i) : PASSED
<GET_SEMA4> failed acquiring sema4 (retCode %d)
<GETSAVEDMSGFAIL> Failed to get saved msg with error '%d'
<GMAC_CASCADE_LOOPBACK> (Slot %i, Port %i) : GMAC Cascade Loopback : FAILED
<GMAC_CASCADE_LOOPBACK> (Slot %i, Port %i) : GMAC Cascade Loopback : PASSED
<GMAC_EXT_LOOPBACK> (Slot %i, Port %i) : GMAC External Loopback : FAILED
<GMAC_EXT_LOOPBACK> (Slot %i, Port %i) : GMAC External Loopback : PASSED
<GMAC_INT_LOOPBACK> (Slot %i, Port %i) : GMAC Internal Loopback : FAILED
<GMAC_INT_LOOPBACK> (Slot %i, Port %i) : GMAC Internal Loopback : PASSED
<GMAC_MAC_LOOPBACK> (Slot %i, Port %i) : GMAC MAC Loopback : FAILED
<GMAC_MAC_LOOPBACK> (Slot %i, Port %i) : GMAC MAC Loopback : PASSED
<GMAC_MEM_TEST> (Slot %i, Port %i) : GMAC Memory Test : FAILED
<GMAC_MEM_TEST> (Slot %i, Port %i) : GMAC Memory Test : PASSED
<GMAC_PHY_LOOPBACK> (Slot %i, Port %i) : GMAC PHY Loopback : FAILED
<GMAC_PHY_LOOPBACK> (Slot %i, Port %i) : GMAC PHY Loopback : PASSED
<GMAC_RX_PKT> LOCAL Simulator received a packet from a GMAC
<GMAC_RX_PKT> LOCAL Simulator received a packet from a GMAC
<GMAC_RX_PKT> LOCAL Simulator received a packet from a GMAC
<GMAC_RX_PKT> WAN Simulator received a packet from a GMAC
<GMAC_RX_PKT> WAN Simulator received a packet from a GMAC
<GMAC_STRIP_LOOPBACK> (Slot %i, Port %i) : GMAC Stripping Loopback : FAILED
<GMAC_STRIP_LOOPBACK> (Slot %i, Port %i) : GMAC Stripping Loopback : PASSED
<GMAC_TEST> (Slot %i, Port %i) : GMAC Test : FAILED
<GMAC_TEST> (Slot %i, Port %i) : GMAC Test : PASSED
<H7711_BELOW_MIN_REV> Compression/Encryption chip is below minimum revision (value = 0x%x)
<H7711_BELOW_MIN_REV> Compression/Encryption chip is below minimum revision (value = 0x%x)
<H7711_NEED_UPGRADE> serial card should be upgraded if compression/encryption needed
<H7711_NEED_UPGRADE> serial card should be upgraded if compression/encryption needed
<H9711_BELOW_MIN_REV> Compression chip is below minimum revision (value = 0x%x)
<H9711_BELOW_MIN_REV> Compression chip is below minimum revision (value = 0x%x)
<H9711_NEED_UPGRADE> serial card should be upgraded if compression needed
<H9711_NEED_UPGRADE> serial card should be upgraded if compression needed

Table A-1 Undocumented messages (Continued)

<HBTDISABLED> Hbt is already disabled
<HBTENABLED> Hbt is already enabled
<HBTTAKEOVER> Taking over mastership from peer CM
<HIFN_DRIVER> %s
<HIFN_DRIVER> %s
<HIFN_ERROR_NOMEM> hifn_compress: Can not allocate buffer
<HIFN_ERROR_NOMEM> hifn_compress: Can not allocate buffer
<HIFN_ERROR_NOMEM> hifn_compress: Can not allocate buffer
<HIFN_ERROR_NOMEM> hifn_compress: Can not allocate buffer
<HIFN_ERROR_NOMEM> hifn_compress: Can not allocate buffer
<HIFN> %s
<HSTMODE> One of the ACLs in the policy has src socket or dst socket specified and %s has a port in Host Flow Mode
<HSTMODE> One of the ACLs in the policy has src socket or dst socket specified and %s has a port in Host Flow Mode
<HSTNOTESTABLISH> Peer host %s connection is not established yet.
<HSTNOTESTABLISH> Peer host %s connection is not established yet.
<IARP_BAD_EVENT> State %d, encountered event %d, on port %d.
<IARP_BAD_EVENT> State %d, encountered event %d, on port %d.
<IARP_TIMEOUT> Inverse ATM ARP Retry Limit Hit for VCI %d, VPI %d, Port %d.
<IARP_TIMEOUT> Inverse ATM ARP Retry Limit Hit for VCI %d, VPI %d, Port %d.
<IF_POLL> interface polling timer expired - no interfaces down
<IFAPPLIED> Interface ’%s’ has a cache applied -- cannot apply multiple cache blocks to an interface
<IFFRP2PFORISIS> ISIS cannot be configured on interface %s because the frame relay interface should be point-to-point
<IFNOISISAREA>
<IF_POLL> interface polling timer expired - no interfaces down
<IFSETMTU> The interface %s MTU could not be changed successfully as a result of\n
<INARP_RESOLVE> peer address(%s) is the same as local address(%s)
<INARP_RESOLVE> peer address(%s) is the same as local address(%s)
<INCORRECT_LIST> IP list specified is invalid
<INCORRECT_PKT_ID> Exp %d, Rcv %d.
<INCORRECT_RANGE> IP range specified should have only 2 elements \"start IP address end IP address\"

Table A-1 Undocumented messages (Continued)

<INGRESS_ENCAPS> ingress_forward: Could not encapsulate (port %d)
<INGRESS_ENCAPS> ingress_forward: Could not encapsulate (port %d)
<INGRESS_ENCAPS> ingress_forward: Could not encapsulate (port %d)
<INGRESS_ERROR_COMPRESS> hifn_compress: Failed to compress packet
<INGRESS_ERROR_COMPRESS> hifn_compress: Failed to compress packet
<INGRESS_ERROR_COMPRESS> hifn_compress: Failed to compress packet
<INGRESS_ERROR_COMPRESS> hifn_compress: Failed to compress packet
<INGRESS_ERROR_ENCAPS_LEN> ingress_forward: Invalid encapsulation length
<INGRESS_ERROR_ENCAPS_LEN> ingress_forward: Invalid encapsulation length
<INGRESS_ERROR_ENCAPS_LEN> ingress_forward: Invalid encapsulation length %d
<INGRESS_ERROR_ENCAPS> ingress_forward: Could not encapsulate
<INGRESS_ERROR_ENCAPS> ingress_forward: Could not encapsulate type %d
<INGRESS_ERROR_ENCRYPT> hifn_encrypt: Failed to encrypt packet
<INGRESS_ERROR_ENCRYPT> hifn_encrypt: Failed to encrypt packet
<INGRESS_ERROR_ENCRYPT> hifn_encrypt: Failed to encrypt packet
<INGRESS_ERROR_ENCRYPT> hifn_encrypt: Failed to encrypt packet
<INGRESS_ERROR_NOMEM> ingress_forward: Can not allocate buffer
<INGRESS_ERROR_NOMEM> ingress_forward: Can not allocate buffer
<INGRESS_ERROR_NOMEM> ingress_forward: Can not allocate buffer
<INGRESS_ERROR_NOMEM> ingress_forward: Can not allocate buffer
<INGRESS_ERROR_PROTO> ingress_forward: not used
<INGRESS_ERROR_PROTO> ingress_forward: not used
<INGRESS_ERROR_PROTO> ingress_forward: not used
<INGRESS_ERROR_PROTO> ingress_forward: not used
<INGRESS_ERROR_VC> ingress_forward: VC does not exist
<INGRESS_ERROR_VC> ingress_forward: VC does not exist
<INGRESS_ERROR_VC> ingress_forward: VC does not exist
<INGRESS_ERROR_VC> ingress_forward: VC does not exist
<INGRESS_ERROR_XTTL> ingress_forward: not used
<INGRESS_ERROR_XTTL> ingress_forward: not used
<INGRESS_ERROR_XTTL> ingress_forward: not used
<INGRESS_ERROR_XTTL> ingress_forward: not used

Table A-1 Undocumented messages (Continued)

<INGRESS_INVALID_MODEM> Invalid modem for MAC %s
<INGRESS_INVALID_VLAN> No head-end for VLAN %d
<INGRESS_UNKNOWN_BCAST_SID> Invalid Broadcast SID %d
<INIT_ERROR_NOMEM> No memory to initialize packet buffer pool
<INIT_ERROR_NOMEM> No memory to initialize packet buffer pool
<INIT_ERROR_NOMEM> No memory to initialize packet buffer pool
<INIT_LARGE_PB_ERROR_NOMEM> No memory to initialize large packet buffer pool
<INIT_PB_PTR_ERROR> Bad pointers for packet calculation
<INIT_PB_PTR_ERROR> Bad pointers for packet calculation
<INIT_PB_SIZE_NOT_ABOVE_MIN> Size of packet buffers fails to meet minimum requirements
<INIT_PB_SIZE_NOT_ABOVE_MIN> Size of packet buffers fails to meet minimum requirements
<INIT_SMALL_PB_ERROR_NOMEM> No memory to initialize small packet buffer pool
<INTFINCOMPATSRV> Service %s specified with VC-MUX encapsulation and bridged-802-3-with-lan-fcs is applied to VCL at.%d.%d.%d.%d. VCL cannot be used in routing configuration.
<INTFNAMENOTFOUND> Interface %s not found
<INVALID_DEFINE_OBJECT> Unexpected atm define object: %s
<INVALID_DEFINE_OBJECT> SONET invalid object in CLI command
<INVALID_KEY> key-id %s was not found
<INVALID_KEY> key-id %s was not found
<INVALID_KEY> key-id %s was not found
<INVALID_QOS_OPTION> Unsupported QoS option.
<INVALID_SRV_CAT_OPTION> The Service Category %s is not supported
<INVALID> Range or list specified not in correct format. e.g. range \"lower-IP-address higher-IP-address\"
<INVALIDQOSOPTION> Unsupported QoS option.
<INVLDMACENTRY> Invalid MAC Table Entry(%x) - source and dest ptr NULL
<INVLDMACENTRY> Invalid MAC Table Entry(%x) - source and dest ptr NULL
<INVLDNAME> %s
<INVMD5KEY> Invalid MD5 key %s (len=%d, max=%d).
<INVSIMPLEKEY> Invalid simple key %s (len=%d, max=%d).
<INVTRANSAREA> Transit area cannot be the backbone area.
<INVTRANSAREA> Transit area cannot be the backbone/stub area.
<IPARP_ERROR_DECSEND> iparpreply: dec_send() failed

Table A-1 Undocumented messages (Continued)

<IPARP_ERROR_DECSEND> iparpreply: dec_send() failed
<IPARP_ERROR_DECSEND> iparpreply: dec_send() failed
<IPARP_ERROR_DECSEND> iparpreply: dec_send() failed
<IPARP_ERROR_NOMEM> iparpreply: Can not allocate buffer
<IPARP_ERROR_NOMEM> iparpreply: Can not allocate buffer
<IPARP_ERROR_NOMEM> iparpreply: Can not allocate buffer
<IPARP_ERROR_NOMEM> iparpreply: Can not allocate buffer
<IPARP_ERROR_REPLY> iparphandle: unknown target ip address
<IPARP_ERROR_REPLY> iparphandle: unknown target ip address
<IPARP_ERROR_REPLY> iparphandle: unknown target ip address
<IPARP_ERROR_REPLY> iparphandle: unknown target ip address
<IPC_SEND_FAILED> IPC send failed in routine %s with code %d
<IPCFAIL> IPC Failed
<IPCFAIL> IPC Failed
<IPDSTADDR_REUSE_PORT> peer address %d.%d.%d.%d is already used by interface on slot:%d port:%d and can’t be reassigned to slot: %d, port: %d
<IPDSTADDR_REUSE_VCG> peer address %d.%d.%d.%d is already used and can’t be reassigned to group: vg.%d, slot: %d
<IPP_MEM_TEST> (Slot %i) : IPP Memory Test : FAILED
<IPP_MEM_TEST> (Slot %i) : IPP Memory Test : PASSED
<IPP_TEST> (Slot %i) : IPP Test : FAILED
<IPP_TEST> (Slot %i) : IPP Test : PASSED
<IPX_ADDR> replying with IPX net address %s
<IPXDSTADDR_REUSE_VCG> peer address %s:%x:%x:%x:%x:%x:%x is already used and can’t be reassigned to group: vg.%d, slot: %d
<IPXNOTALLOWED> Port at.%u.%u.%u.%u does not support the IPX.
<IVATM> Invalid ATM port specification - missing VPI/VCI
<IVAUTHSTR> Invalid authentication string %s
<IVCHANRANGE>
<IVDOWNSTREAM> Invalid CATV downstream channel value %d - valid range <IVINDEX>Invalid index value %d
<IVDOWNSTREAM> Invalid CATV downstream channel value %d - valid range is 1 to %d
<IVINDEX> Invalid index value %d

Table A-1 Undocumented messages (Continued)

<IVPORT> Invalid CMTS port %s
<IVRNGFORMAT> Invalid range format - must be in the form \"start,stop\"
<IVRNGVALUE> Invalid start or stop value - legal values are 0 - 15, inclusively
<IVUPSTREAM> Invalid CATV upstream channel value %d - valid range is 1 to %d
<KEY_INUSE> key-id %s is currently in use by a virtual-router
<KEY_INUSE> key-id %s is currently in use by a virtual-router
<KEY_INUSE> key-id %s is currently in use by a virtual-router
<KEYID_DUPL> a key-id with this name already exists (name = %s)
<KEYID_DUPL> a key-id with this name already exists (name = %s)
<KEYID_DUPL>a key-id with this name already exists (name = %s)
<KEYLEN> key-id %s has an invalid key length (maximum length = 8 characters)
<KEYLEN> invalid key length (%d). Maximum length = 8 characters (interface %s; virtual-router %d)
<L_SOCKS_OPEN> listening sockets opened & configured
<L3_ERROR_INARP_ADDR> error: src and dst address are not on the same network(src %s, dst %s, netmask %lx)
<L3_ERROR_INARP_ADDR> error: src and dst address are not on the same network(src %s, dst %s, netmask %lx)
<L3_ERROR_INARP_DSTADDR> Could not find any information about the given peer address %d.
<L3_ERROR_INARP_DSTADDR> Could not find any information about the given peer address %s.
<L3_ERROR_INARP_DSTADDR> could not find any l3 entry which is on the same subnet as the given peer address(%s)
<L3_ERROR_INARP_DSTADDR> could not find any l3 entry which is on the same subnet as the given peer address(%s)
<L3_ERROR_INARP_IPX_ADDR> error: src and dst address are not on the same network(src %s, dst %s)
<L3_ERROR_INARP_IPX_ADDR> error: src and dst address are not on the same network(src %s, dst %s)
<L4BDGNOTALLOW> L4 Bridging not supported by Module %s in slot %d
<L4BDGSTATE>L4-Bridging %s on Vlan %d (%s).
<LARGECHANRNG>
<LISRFAIL>failed to register driver LISR, sts=0x%x
<LMISHIM_ERROR_NOLMI> lmi shim: LMI type unknown
<LMISHIM_ERROR_NOLMI> lmi shim: LMI type unknown
<LMISHIM_ERROR_NOLMI> lmi shim: LMI type unknown
<LMISHIM_ERROR_NOMEM> lmi shim: Cannot allocate frcc info memory

Table A-1 Undocumented messages (Continued)

<LMISHIM_ERROR_NOMEM> lmi shim: Cannot allocate frcc info memory
<LMISHIM_ERROR_NOSAP> lmi shim: Cannot find free sap
<LMISHIM_ERROR_NOSAP> lmi shim: Cannot find free sap
<LMISHIM_ERROR_NOSAP> lmi shim: Cannot find free sap
<LMISHIM_ERROR_SMEADDSERVICE> lmi shim: SmeAddService() failed
<LMISHIM_ERROR_SMEADDSERVICE> lmi shim: SmeAddService() failed
<LMISHIM_ERROR_SMEADDSERVICE> lmi shim: SmeAddService() failed
<LMISHIM_ERROR_SMEGETADDR> lmi shim: SmeGetAddr() failed
<LMISHIM_ERROR_SMEGETADDR> lmi shim: SmeGetAddr() failed
<LMISHIM_ERROR_SMEGETADDR> lmi shim: SmeGetAddr() failed
<LOCAL_DEBUG> %s
<LOCAL_DEBUG> %s
<LOCAL_DEBUG> %s
<LOCAL_NO_MEM> can’t allocate memory on local card
<LOCAL_NO_MEM> can’t allocate memory on local card
<LOCAL_PKT> %s
<LOCAL_PKT> %s
<LOGCHAN> Logging message error: Bad channel ’%d’
<LOGMALLOC> Logging message error: Malloc failed
<LOGMOD> Logging message error: Bad module id ’%d’
<LOIF> Web-caching ’%s’ cannot be applied to the loopback interface
<MAC_ADDRSS_DUMP> Slot %d, Port %d.
<MAC_ERROR_NOENTRY> macdelete: no such entry
<MAC_ERROR_NOENTRY> macdelete: no such entry
<MAC_ERROR_NOENTRY> macdelete: no such entry
<MAC_ERROR_NOENTRY> macdelete: no such entry
<MAC_ERROR_NOMEM> macadd: malloc failed
<MAC_ERROR_NOMEM> macadd: malloc failed
<MAC_ERROR_NOMEM> macadd: malloc failed
<MAC_ERROR_NOMEM> macadd: malloc failed
<MAC_MOVED> mac %04X:%04X:%04X moved (%s --> %s).

Table A-1 Undocumented messages (Continued)

<MACCONFLICT> The MAC address %s conflicts with another MAC address %s already being used by another interface on this port.Only one MAC address can be configured per port, per protocol.
<MAP_APPLIED> %s
<MAP_APPLIED> %s
<MAP_CREATED> %s
<MAP_CREATED> %s
<MAP_NOAPPLY> %s
<MAP_NOAPPLY> %s
<MAP_PRIO_OFF> %s
<MAP_PRIO_OFF> %s
<MAP_PRIO_ON> %s
<MAP_PRIO_ON> %s
<MAP_REMOVED> %s
<MAP_REMOVED> %s
<MAPTYPE> Port at.%d.%d, tried to configure illegal map type %x.
<MAX_ERRORS> Max Errors Reached; Suppressing further errors for this test
<MAXQLEMINQ> Maximum queue threshold is less than minimum queue threshold
<MBOXFAIL> Failed to access mailbox for channel '%d'
<MD5KIDNOTSPEC> MD5 key id not specified. Key id %d used.
<MD5NOTSUPP> Authentication type MD5 not supported for RIP.
<MEM_ADDRSS_TEST> oc3 ToolShop SDRAM Address test onSlot %d, Port %d,\n from 0x%08x to 0x%08x, on %s.
<MEM_INFO> %s : %s
<MEM_MACHO_TEST> oc3 ToolShop SDRAM Marching Ones test onSlot %d, Port %d,\n from 0x%08x to 0x%08x, on %s.
<MEM_MAX_ERRORS> Max Errors Reached; Suppressing further errors for this test
<MEM_STRESS_TEST> oc3 ToolShop SDRAM Stress test onSlot %d, Port %d,\n from 0x%08x to 0x%08x, on %s.
<MEM_TEST> %s : %s : %s
<MEM_ZEROES_TEST>.
<MEMORY_ALIASING> Memory error @ 0x%08lx ; Possible aliasing with: 0x%08lx
<MEMORY_BYTE_MISMATCH> Memory mismatch @ 0x%08lx; Read 0x%x; Expected 0x%x
<MEMORY_INACCESSIBLE> Memory inaccessible beginning @ 0x%08lx -- will generate fatal exception

Table A-1 Undocumented messages (Continued)

<MEMORY_MISMATCH> Memory mismatch @ 0x%08lx; Read 0x%08lx; Expected 0x%08lx
<MEMTOPNULL> top of RAM is unknown
<MLP_PORT_SET> port %d is a member of %s which already has %s enabled
<MLP_PORT_SET> port %d is a member of %s which already has %s enabled
<MLPBUNDLENUMUSED> failed to create mp group(%s) since that MLP number already exists on slot %d
<MLPPORTFAILURE> %d port does not exist.
<MLPPORTNEEDCHAN> %s port needs to have a channel(s) specified (:channel).
<MLPPORTQ> Transmit Q for %c priority traffic of port %s is full
<MLPPORTQ> Transmit Q for %c priority traffic of port %s is full
<MOD_PHY_GET_FAILURE> Mod-Phy Get failed to return SUNI chip type.
<MOD_PHY_PATH_FAILURE> Slot %d Port %d, Mod-Phy SUNI CSR 0x%08x, Exp 0x%08x, Rcv 0x%08x.
<MODEM_CREATE> Couldn’t create new modem entry
<MODEM_CREATE_NOMEM> No memory to allocate modem
<MODEM_DISABLED> packet received on disabled modem
<MODFAILURE> Too many remote module %d failures (%d times)... please reboot system
<MODIFY_FAILED> PVC modify failed with status %d
<MODPHY_SUN_TEST> oc3 Mod-Phy SUNI Path test onSlot %d, Port %d.
<MODULE_CRASH_DUMP> Crash dump from module %d is as follows -- %s
<MOVEPORTS> Moving ports %s from VLAN %s[%d] to VLAN %s[%d]
<MP_DOWN> PPP on %s is down
<MP_UP> PPP on %s is up
<MSG_RX> IPRED queue received unrecognized message (%d)
<MSG_TX> send message to IPRED queue failed (%s - %d)
<NEEDACVREPLY> Please specify an ’acv-reply’ to be checked for the ’acv-command’
<NEEDSCR> Service requires that an SCR value be specified.
<NEW_RC_CONN> received new MPS RC connection
<NH_IPV4_LEN> received NH IPV4 length %d, should have been %d
<NI_XMT_Q_FULL> Could not transmit control packet, NI transmit queue is full.
<NIA_LOOPBACK> NIA Loopback Test: FAILED
<NIA_LOOPBACK> NIA Loopback Test: PASSED
<NIA_MEM_BUFFER> NIA Buffer Memory Test: FAILED
<NIA_MEM_BUFFER> NIA Buffer Memory Test: PASSED

Table A-1 Undocumented messages (Continued)

<NIA_MEM_CTL_PRI_QUEUE_TEST> NIA Control Priority Queue Test: FAILED
<NIA_MEM_CTL_PRI_QUEUE_TEST> NIA Control Priority Queue Test: PASSED
<NIA_MEM_FREE_PRI_QUEUE_TEST> NIA Free Priority Queue Test: FAILED
<NIA_MEM_FREE_PRI_QUEUE_TEST> NIA Free Priority Queue Test: PASSED
<NIA_MEM_HI_PRI_QUEUE_TEST> NIA High Priority Queue Test: FAILED
<NIA_MEM_HI_PRI_QUEUE_TEST> NIA High Priority Queue Test: PASSED
<NIA_MEM_LOW_PRI_QUEUE_TEST> NIA Low Priority Queue Test: FAILED
<NIA_MEM_LOW_PRI_QUEUE_TEST> NIA Low Priority Queue Test: PASSED
<NIA_MEM_MED_PRI_QUEUE_TEST> NIA Medium Priority Queue Test: FAILED
<NIA_MEM_MED_PRI_QUEUE_TEST> NIA Medium Priority Queue Test: PASSED
<NIA_MEM_TEST> NIA Memory Test: FAILED
<NIA_MEM_TEST> NIA Memory Test: PASSED
<NIA_TEST> NIA Test: FAILED
<NIA_TEST> NIA Test: PASSED
<NIA_XBAR_LOOPBACK> NIA-XBAR Loopback Test: FAILED
<NIA_XBAR_LOOPBACK> NIA-XBAR Loopback Test: PASSED
<NO_AGGR_ON_TRUNK> Aggregate rate limiting not allowed on trunk port ’%s’
<NO_AVAIL_BW> Bandwidth not available on link, free: %d
<NO_AVAIL_QOS_DEFINE> Maximum QoS Definitions exceeded
<NO_CHANCMD> channel specification is not allowed for this command
<NO_CHANGE_ENCAP> Cannot change the PVC encapsulation
<NO_CHANGE_SRV_CLS> Cannot change the Service Class
<NO_CHANMOD> channel specification is not allowed for this module <
<NO_CRASH_FILE> Unable to open flash file to dump crash information
<NO_MAC> next hop %s has no sdl, route lookup failing
<NO_MCAST> interface %s does not support IP multicasts
<NO_NEXT_HOP> no next hop to %s exists, route lookup failing
<NO_PORTLIST_AVAIL> A portlist was not found in the command options
<NO_PORTLIST_AVAIL> No Port was specified by the user.
<NO_PVC_FOUND> Cannot modify PVC on slot %d vpi %d vci %d
<NO_RESOURCES_AVAIL> SSR reporting no memory resources
<NO_ROUTE> no route to %s exists, route lookup failing

Table A-1 Undocumented messages (Continued)

<NO_TOVLAN> No target VLAN specified.
<NOADD> %s
<NOAGGRONPORT> Aggregate rate limiting not supported on port ’%s’
<NOAGGRSUPPORT> Modules ’%s’ do not have support for Aggregate Rate Limiting
<NOAGGRSUPPORT> Modules ’%s’ do not have support for Aggregate Rate Limiting
<NOCACHE> Could not find cache ’%s’
<NOCHANGEENCAP> Cannot change the Encapsulation on active circuit at.%d.%d.%d.%d
<NOCHANGEPROTO> Cannot change the Protocol Type on active circuit at.%d.%d.%d.%d
<NOCHANGESRVCLS> Cannot change the Service Class on active circuit at.%d.%d.%d.%d
<NOCMTS> CMTS port not allowed for this command
<NOHRTSUPPORT> SIPP card in slot = %d lesser than SIPPV4 does not support HRT
<NOHRTSUPPORT> SIPP card in slot = %d lesser than SIPPV4 does not support HRT
<NOISISAREA> Cannot add ISIS to interface %s. Set ISIS area first.
<NOISISAREA> Cannot add ISIS to interface %s. Set ISIS area first.
<NOKWYDS>internal error - no keywords available
<NOMODULENUM> Invalid module number -- %d
<NON_ENET> Cannot add non Ethernet port ’%s’ to %s
<NOOPTIONAVAILABLE> Could not locate option %d
<NOPKTSPENDING> No packets are pending for %d
<NOPVSTRSTP> PVST can not work if STP version is Rapid STP
<NOPVSTRSTP> PVST can not work if STP version is Rapid STP
<NORSTPPVST> Rapid STP is not supported with PVST
<NORSTPPVST> Rapid STP is not supported with PVST
<NORSTPWHILEWAN> Can not change version to RSTP if STP is enabled on WAN ports
<NORSTPWHILEWAN> Can not change version to RSTP if STP is enabled on WAN ports
<NOSETPOLLINT>
<NOSOCKET> socket operation failed
<NOSOCKET> socket operation failed
<NOSOCKET> socket operation failed
<NOSONET> SONET port not allowed for this command
<NOSVRLIST> Could not find server list ’%s’ for cache ’%s’
<NOTAGGR> Rate limiting policy ’%s’ is not an Aggregate or Flow Aggregate Rate Limiting Policy

Table A-1 Undocumented messages (Continued)

<NOVLAN> Vlan '%s' does not exist. STP will be enabled upon creation.
<NOWANRSTP> Rapid STP is not supported on WAN ports
<NOWANRSTP> Rapid STP is not supported on WAN ports
<NOWANRSTP> Rapid STP is not supported on WAN ports.
<NOWANRSTP> Rapid STP is not supported on WAN ports.
<NUMOFSRCERR> Numof aggr-gen sources mismatch (max %d cur %d).
<OCMAC_EXT_LOOPBACK> (Slot %i, Port %i) : OCMAC External Loopback : FAILED
<OCMAC_INT_LOOPBACK> (Slot %i, Port %i) : OCMAC Internal Loopback : FAILED
<OCMAC_MAC_LOOPBACK> (Slot %i, Port %i) : OCMAC MAC Loopback : PASSED
<OCMAC_MEM_TEST> (Slot %i, Port %i) : OCMAC Memory Test : FAILED
<OCMAC_PHY_LOOPBACK> (Slot %i, Port %i) : OCMAC PHY Loopback : FAILED
<OCMAC_RX_PKT> ATM Simulator received a packet from an OCMAC
<OCMAC_STRIP_LOOPBACK> (Slot %i, Port %i) : OCMAC Stripping Loopback : FAILED
<OCMAC_TEST> (Slot %i, Port %i) : OCMAC Test : FAILED
<OCMAC_TEST> (Slot %i, Port %i) : OCMAC Test : PASSED
<ONEKEYONLY> Current MD5 implementation supports only one key.
<OPP_MEM_TEST> (Slot %i) : OPP Memory Test : FAILED
<OPP_MEM_TEST> (Slot %i) : OPP Memory Test : PASSED
<OPP_TEST> (Slot %i) : OPP Test : FAILED
<OPP_TEST> (Slot %i) : OPP Test : PASSED
<OPTMODIFIED> Options modified for server group %s in cache %s
<OPTMODIFIED> Options modified for server group %s in cache %s
<OTHER_EVENT> got unexpected event 0x%X
<OUTOFSQ> Out of seq. want %d Got %d
<PACKET_INFO> Type: %s (Slot %i, Port %i){Pri: %s, Size: %i, Seq: %s}
<PB_ERROR_INVALID_PTR> pbfree:Null Packet Buffer Pointer
<PB_ERROR_INVALID_PTR> pbfree: Null Packet Buffer Pointer
<PB_ERROR_INVALID_PTR> pbfree: Null Packet Buffer Pointer
<PB_ERROR_INVALID_PTR> pbfree: Null Packet Buffer Pointer
<PB_ERROR_INVALID_PTR> pbfree: Null Packet Buffer Pointer
<PB_ERROR_INVALID_PTR> pbfree: Null Packet Buffer Pointer
<PB_ERROR_INVALID_TYPE> pballoc: Invalid Packet Buffer Type

Table A-1 Undocumented messages (Continued)

<PB_ERROR_INVALID_TYPE> pballoc: Invalid Packet Buffer Type
<PB_ERROR_INVALID_TYPE> pballoc: Invalid Packet Buffer Type
<PB_ERROR_INVALID_TYPE> pballoc: Invalid Packet Buffer Type
<PB_ERROR_INVALID_TYPE> pballoc: Invalid Packet Buffer Type
<PB_ERROR_INVALID_TYPE> pballoc: Invalid Packet Buffer Type
<PB_ERROR_INVALID_TYPE> pballoc: Invalid Packet Buffer Type
<PB_NOT_INUSE> %s: PB already freed.
<PHY_NOT_PRESENT>%s.
<PHY_PORT_SET> %s member port %d already has %s enabled
<PHY_PORT_SET> %s member port %d already has %s enabled
<PKT_DATA_BUFF_TOO_SMALL> Packets must contain at least 32 bytes of data.
<PKT_FLUSH> NIA %s queue flush incomplete: %i bufs remain
<PKT_QUICK_TEST> oc3 VPI VCI Range Packet test onSystem Port Number %d.
<PKT_RANGES_TEST> oc3 VPI VCI Range Packet test onSlot %d, Port %d.
<PKT_SIMULT_TEST> oc3 Simultaneous Packet and Memory test onSlot %d, Port %d.
<PKT_STAT> %s
<PKT_TEST_CHECK_PKT_COUNT> Sys Port %d, Sent %d, Received %d.
<PKT_TEST_DATA_MISCOMPARE> Addr 0x%08x, Exp 0x%08x, Rcv 0x%08x.
<PKT_TEST_FAILURE> More on this later.
<PKT_TEST_INCORRECT_LEN> Exp %d, Rcv %d.
<PKT_TEST_PKT_DIDNT_ARRIVE> Sys Port %d, Packet number %d.
<PKT_TEST_PORT_NOT_UP> Sys Port %d.
<PKT_TEST_RCVD_EXTRA_PKT> Sys Port %d.
<PKT_TEST_SEND_PKT_FAILED> SendPkt status = FAILED. Sys Port %d, PVC %d, %d bytes.
<PKT_TEST_SET_STATE_FAILED>Sys Port %d, User Handle Index %d.
<PKT_TEST_VC_OPEN_FAILED>Sys Port %d.
<PKT_TEST_WRONG_LENGTH> Incorrect length from packet. Sys Port %d, Exp’d %d, Rcv’d %d.
<PLAPDOWN> Connection on port %s for %s broken -- %s
<PORT_CABLE_DOWN> Port %i : No Connection or Peer Unavailable
<PORT_CABLE_DOWN> Port %i : No Connection or Peer Unavailable
<PORT_CABLE_DOWN> Port %i : No Connection or Peer Unavailable
<PORT_CABLE_DOWN> Port %i : No Connection or Peer Unavailable

Table A-1 Undocumented messages (Continued)

<PORT_CABLE_DOWN> Port %i : No Connection or Peer Unavailable
<PORT_CABLE_DOWN> Port %i%s : No Connection or Peer Unavailable
<PORT_CABLE_UP> Port %i : Ready
<PORT_CABLE_UP> Port %i : Ready
<PORT_CABLE_UP> Port %i : Ready
<PORT_CABLE_UP> Port %i : Ready
<PORT_CABLE_UP> Port %i%s : Ready
<PORT_DOWN> %s on port %d is down
<PORT_DOWN> %s on port %d is down
<PORT_DOWN> %s on port %d is down
<PORT_FAIL_COUNT> (Slot %i, Port %i) failed %i times during test
<PORT_LINK_DOWN> Test Failed: (Slot %d, Port %d) Link State DOWN
<PORT_UP> %s on port %d is up
<PORT_UP> %s on port %d is up
<PORT_UP> %s on port %d is up
<PORTLEVEL_ALREADYDISABLED> Input Port Level Rate Limiting is already disable on modules '%s'
<PORTLEVELDISABLED> Input Port Level Rate Limiting disabled on modules '%s'
<PORTLEVELENABLED> Input Port Level Rate Limiting enabled on modules '%s'
<PORTLEVELPOLICIES> Can not disable Input Port Level Rate Limiting as there are Input port level policies on modules '%s'
<PORTNOTINAGGRMODE> Port '%s' is not in Aggregate Rate Limiting mode
<PORTNOTINFLOWMODE> Port '%s' is not in Flow Level Rate Limiting mode
<PORTSRVDEFMODIFY> Replaced SrvDef %s on at.%d.%d with SrvDef %s.
<PORTVCMAXEXCEEDED> Maximum VCs on at.%d.%d exceeded, max = %d
<POSACL>
<POSACL> %s
<POSTPASSED> POST passed - download the hex file
<PPP_MRU> ppp frame length is greater than the MRU on port %d
<PPP_MRU> ppp frame length is greater than the MRU on port %d
<PPP_PROTOCOL_DOWN> %s on port %d is down
<PPP_PROTOCOL_DOWN> %s on port %d is down
<PPP_PROTOCOL_DOWN> %s on port %d is down

Table A-1 Undocumented messages (Continued)

<PPP_PROTOCOL_UP> %s on port %d is up
<PPP_PROTOCOL_UP> %s on port %d is up
<PPPLOG> %s
<PPPNODST> Cannot update peer %s address on port %d, vpi %d, vci%d: peer did not give address during PPP negotiation
<PPPNODST> Cannot update peer %s address on port %d, vpi %d, vci%d: peer did not give address during PPP negotiation
<PPPNOTSUPPORTED> PPP not supported on this type of port.
<PPPSHIM_ERROR_NOMEM> ppp shim: Cannot allocate shim info memory
<PPPSHIM_ERROR_NOMEM> ppp shim: Cannot allocate shim info memory
<PPPSHIM_ERROR_NOMEM> ppp shim: Cannot allocate shim info memory
<PPPSHIM_ERROR_NOMEM> ppp shim: Cannot allocate shim info memory
<PPPSHIM_NO_UNIT> ppp shim: Cannot determine port number - unit number not set
<PPPSHIM_NO_UNIT> ppp shim: Cannot determine port number - unit number not set
<PPPSHIM_NO_UNIT> ppp shim: Cannot determine port number - unit number not set
<PPPSHIM_NO_UNIT> ppp shim: Cannot determine port number - unit number not set
<PPPSHIM_PORT_NOT_CFG> ppp shim: Cannot receive messages yet - port %d is not configured
<PPPSHIM_PORT_NOT_CFG> ppp shim: Cannot receive messages yet - port %d is not configured
<PPPSHIM_PORT_NOT_CFG> ppp shim: Cannot receive messages yet - port %d is not configured
<PPPSHIM_PORT_NOT_CFG> ppp shim: Cannot receive messages yet - port %d is not configured
<PROTIDINV> Invalid protocol id
<PROTIDINV> Invalid protocol id ’%d’ on port ’%d’
<PROTO_VERSION> request contains unsupported version %d
<PROTONOTALLOWED> Port at.%u.%u.%u.%u does not support the this protocol.
<PVC_DOWN> pvc %d on port %d is down
<PVC_DOWN> pvc %d on port %d is down
<PVC_DOWN> pvc %d on port %d is down
<PVC_MAX_EXCEEDED> Port has maximum PVCs defined. Max = %d
<PVC_UP> pvc %d on port %d is up
<PVC_UP> pvc %d on port %d is up
<PVC_UP> pvc %d on port %d is up
<QCREATFAIL> saved msg queue creation failed with error ’%d’

Table A-1 Undocumented messages (Continued)

<QCREATFAIL> saved msg queue creation failed with error '%d'
<QMAC_EXT_LOOPBACK> (Slot %i, Port %2i) : QMAC External Loopback : FAILED
<QMAC_EXT_LOOPBACK> (Slot %i, Port %2i) : QMAC External Loopback : PASSED
<QMAC_MAC_LOOPBACK> (Slot %i, Port %2i) : QMAC MAC Loopback : FAILED
<QMAC_MAC_LOOPBACK> (Slot %i, Port %2i) : QMAC MAC Loopback : PASSED
<QMAC_MEM_TEST> (Slot %i, Port %2i) : QMAC Memory Test : FAILED
<QMAC_MEM_TEST> (Slot %i, Port %2i) : QMAC Memory Test : PASSED
<QMAC_PHY_LOOPBACK> (Slot %i, Port %2i) : QMAC PHY Loopback : FAILED
<QMAC_PHY_LOOPBACK> (Slot %i, Port %2i) : QMAC PHY Loopback : PASSED
<QMAC_STRIP_LOOPBACK> (Slot %i, Port %2i) : QMAC Stripping Loopback : FAILED
<QMAC_STRIP_LOOPBACK> (Slot %i, Port %2i) : QMAC Stripping Loopback : PASSED
<QMAC_TEST> (Slot %i, Port %2i) : QMAC Test : FAILED
<QMAC_TEST> (Slot %i, Port %2i) : QMAC Test : PASSED
<QOS_NAME_NOT_FOUND> The QoS Definition name %s was not found
<RANGE_ERROR> End address must be greater than Start address.
<RANGE_INVALID_SID> Modem attempting to range with invalid sid (headend=%d,upstream=%d,modem=%s,sid=%d)
<RANGE_INVALID_SID>
<RANGE_INVALID_SID> Modem attempting to range with invalid sid (headend=%d,upstream=%d,modem=%s,sid=%d) during iuc=%s 3145c3154
<RANGE_NO_BCOM_PARAMS> No Broadcom ranging parameters
<RANGE_NO_PB> No memory for packet buffer
<RAT_FULL> failed adding virtual-MAC to port %s's table - too many virtual-routers with unique IDs defined. Virtual-router %d on interface %s will be shutdown. When error condition is fixed, restart the virtual-router (negate vrrp start command; exit CLI config; start again)
<RAT_FULL> failed adding virtual-MAC to port %s's table - too many virtual-routers with unique IDs defined. Virtual-router %d on interface %s will be shutdown. When error condition is fixed, restart the virtual-router (negate vrrp start command; exit CLI config; start again)
<RAT_FULL> failed adding virtual-MAC to port %s's table
<RATEISILLEGAL> Rate = %d is illegal.
<READY> MPS RS ready to process requests from MPS RC
<RECV_CMD> request contains unsupported command %d
<RECV_ERR> connected receive socket errored with errno=%d
<RECV_ZERO> connected rx socket got recv() of 0 bytes

Table A-1 Undocumented messages (Continued)

<REG_L2_ADDR> Port %d, could not register this L2 address.
<REG_MULTI_ADDR> Could not register the ATM Multicast Address.
<REG_NO_PB> No memory for packet buffer
<REVERTENCAP> PPP encapsulation on port %s has been reverted from forced-bridged-encapsulation to automatic selection of PPP encapsulation
<REVISION_CHECK_FAIL> Obsolete hardware revision in slot %d -- replace board immediately
<RMIFOUT> %s
<ROUTEMAPCYCDET> Route map match for %s has a cycle
<ROUTEMAPONLYFORBGPEXPPOL> Route Map is supported only if export source or export destination is BGP - Route-map id %s Export Source id %s Export Destination id %s
<ROUTEMAPONLYFORBGPEXPPOL> Route Map is supported only if export source or export destination is BGP - Route-map id %s Export Source id %s Export Destination id %s
<ROUTEMAPONLYFORBGPIMPPOL> Route Map is supported only for BGP import source - route-map id %s Import source id %s
<ROUTEMAPONLYFORBGPIMPPOL> Route Map is supported only for BGP import source - route-map id %s Import source id %s
<ROUTEMAPONLYFORBGPREDIS> Route Map is supported only if from-proto or to-proto is BGP - Route-map id %s
<ROUTEMAPONLYFORBGPREDIS> Route Map is supported only if from-proto or to-proto is BGP - Route-map id %s
<ROUTEOVFL> No memory for creating aggr-gens.
<ROUTERIDFND> OSPF Router Id found: %s
<RS_STOPPED> no longer processing requests
<RS_UPDATES> sending %d route updates
<RS_WAITING> waiting for MPS RC to connect
<RULETOOLONG>
<RX_ARRIVED> listening rx socket event occured
<RX_ON_TX> receive event on connected tx socket
<SARDOWNLOAD> Port at.%d.%d, error while maker firmware download.
<SARREV> SAR revision information on port number %d is %4x.
<SAVEMSGFAIL> Failed to save msg in ipc queue with error ’%d’
<SECP> %s
<SEND_ARP> sending ARP packet failed (interface %s; virtual-router %d)
<SEND_ARP> sending ARP packet failed (interface %s; virtual-router %d)

Table A-1 Undocumented messages (Continued)

<SEND_ARP> sending ARP packet failed (interface %s; virtual-router %d)
<SEND_LEN> %s() length to send=%d, sent length=%d, errno=%d
<SENDFAIL> IPC Send failed with error '%d'
<SETSOCK> setsockopt() operation failed (%s)
<SETSOCK> setsockopt() operation failed (%s)
<SETSOCK> setsockopt() operation failed (%s)
<SETTEGFAIL> NUE_Set_TEG_Flag failed (0x%x).
<SFRNOTON> SFR has not been turned on for ports '%s'.
<SGE_MODULE> S-GE Module (Slot %i) : FAILED
<SGE_MODULE> S-GE Module (Slot %i) : PASSED
<SHAPING_ERROR_LOCAL_PROTO> shaping: wrong proto
<SHAPING_ERROR_LOCAL_PROTO> shaping: wrong proto
<SHAPING_ERROR_LOCAL_PROTO> shaping: wrong proto
<SHAPING_ERROR_WAN_PROTO> shaping: wrong proto
<SHAPING_ERROR_WAN_PROTO> shaping: wrong proto
<SHORT_PKT> Received short packet (headend=%d,upstream=%d,modem=%s)
<SID_DISABLED> packet received on disabled SID
<SIDFLOW_CREATE_NOMEM> No memory to allocate sid flow
<SIPP_MEM_TEST> (Slot %i) : SIPP Memory Test : FAILED
<SIPP_MEM_TEST> (Slot %i) : SIPP Memory Test : PASSED
<SIPP_TEST> (Slot %i) : SIPP Test : FAILED
<SIPP_TEST> (Slot %i) : SIPP Test : PASSED
<SLOT> Slot %d does not support hrt mode
<SLOTALL> Hrt can be enabled either as all slots or one slot at a time. Both cannot be done
<SM_NOT_LLC_VC> VCI %d, VPI %d, on port %d Inverse ATM ARP set failed.
<SMINSERTFAILED> Port at.%d.%d insert failed, too many ATM ports.
<SMREMOVEFAILED> Port at.%d.%d remove failed, internal software fault.
<SMVCSETFAIL> Port at.%d.%d.%d.%d UHI %d, failed state set.
<SO_MODULE> SO Module (Slot %i) : FAILED
<SO_MODULE> SO Module (Slot %i) : PASSED
<SONET_ONLY> This command requires a SONET port
<SONET_WARNING> SONET warning message.

Table A-1 Undocumented messages (Continued)

<SONET_WARNING> SONET warning message.
<SOPP_MEM_TEST> (Slot %i) : SOPP Memory Test : FAILED
<SOPP_MEM_TEST> (Slot %i) : SOPP Memory Test : PASSED
<SOPP_TEST> (Slot %i) : SOPP Test : FAILED
<SOPP_TEST> (Slot %i) : SOPP Test : PASSED
<SRVDEFINUSE> Service definition on at.%d.%d still in use by %d VPL(s) or VCL(s).
<SRVDEFPORTREMOVE> Service %s not found on at.%d.%d. Negate failure.
<SRVINCOMPATINTF> Service %s specified with VC-MUX encapsulation and bridged-802-3-with-lan-fcs, can not be applied to VCL at.%d.%d.%d.%d while VCL is in routing configuration.
<SRVINCOMPATINTF> Service %s specified with VC-MUX encapsulation and bridged-802-3-with-lan-fcs, can not be applied to VCL at.%d.%d.%d.%d while VCL is in routing configuration.
<SSRCHAN_NOT_SET> Error with MLP bundle mp.%d. No port has been selected for this bundle.
<START_RAT_FULL> could not start virtual-router %d on interface %s. Too many virtual-routers with unique IDs defined. Port %s's Router MAC Table could overflow.
<START_RAT_FULL> could not start virtual-router %d on interface %s. Too many virtual-routers with unique IDs defined. Port %s's Router MAC Table could overflow.
<START_RAT_FULL> could not start virtual-router %d on interface %s.Too many virtual-routers with unique IDs defined.Port %s's Router MAC Table could overflow.
<START_WARMUP> virtual router %d on interface %s will start once the warmup period expires (%d secs remaining)
<START_WARMUP> virtual router %d on interface %s will start once the warmup period expires (%d secs remaining)
<START_WARMUP> virtual router %d on interface %s will start once the warmup period expires (%d secs remaining)
<STATE> %s, %s->%s, I/F %s, vid %d
<STATE> %s, %s->%s, I/F %s, vid %d
<STATUS_CHANGE> Server '%s' status change -- Server %s
<STPTIMER> error stopping '%s' timer - error=%d
<SVRLIST_EXISTS> Server list '%s' already exists
<T1E1_ALARM_STATUS> T1/E1 Alarm on Port %d, Chan %d: %s
<T1E1_NOALARM_STATUS> No T1/E1 Alarm on Port %d, Chan %d
<T3E3_ALARM_STATUS> T3/E3 Alarm on Port %d %s
<T3E3_NOALARM_STATUS> No T3/E3 Alarm on Port %d
<TASK_ADDED> Delete all the profiling tasks before changing mode

Table A-1 Undocumented messages (Continued)

<TEST_LOOP_COUNT> %s PASSED, Loop number %d.
<TEST> Testing error facility %s with %i
<TIMER> timer creation failed (%s - retCode %d)
<TIMER> timer creation failed (%s - retCode %d)
<TLSHOP_CSR_TEST> oc3 ToolShop CSRs test onSlot %d, Port %d.
<TLV_ATTR_LEN> Invalid attribute length (type=%d,length=%d)
<TOO_MANY_PAKETS>You selected too many VPIs and/or VCIs.
<TOOMANY> Maximum of %d interfaces or next-hops can be specified
<TSHOP_CSR_ADDR_FAILURE> Slot %d Port %d, CSR 0x%08x, Exp 0x%08x, Rcv 0x%08x.
<TSHOP_CSR_DATA_FAILURE> Slot %d Port %d, CSR 0x%08x, Exp 0x%08x, Rcv 0x%08x.
<TSHOP_MEM_ADDR_FAILURE> %s Slot %d Port %d, Addr 0x%08x, Exp 0x%08x, Rcv 0x%08x.
<TSHOP_MEM_FAILURE> Slot %d Port %d, Addr 0x%08x, Exp 0x%08x, Rcv 0x%08x.
<TSHOP_RD_RANGE_ERROR> Number of ToolShop CSRs to be read is too high.
<TX_ARRIVED> listening tx socket event occured
<UCC> Upstream Channel Change : %s
<UCC_NO_PB> No memory for packet buffer
<UCCFAIL> Upstream Channel Change failed
<UCCFAIL> Upstream Channel Change failed
<UCD_NO_PB> No memory for packet buffer
<UNDEFINED_ERROR> Unexpected SONET error: %s
<UNKNOWN_DEFINE_CMD> ATM define command not recognized
<UNKNOWN_MEMORY_TYPE> Unknown Memory Type
<UNKNOWN_MODE> Unknown mode set for deep hashing -- %s
<UNKNOWN_MODULE_TYPE> Unknown Module Type: %i
<UNKNOWN_PORT_TYPE> Unknown Port Type
<UNKNOWN_SUNI_TYPE> Slot %d Port %d, Unrecognized SUNI chip type.
<UNKNOWNENCAPSTYPE> Unknown encapsulation type %x specfied, using default
<UNKNOWNENCAPSTYPE> Unknown encapsulation type %x specfied, using default
<UPSTREAM_ATM_PDU> ATM PDU received (headend=%d, upstream=%d)
<UPSTREAM_DOCSIS_OUT> data packet received with docsis destination oui
<UPSTREAM_DUPLICATE_MODEM_MAC> Duplicate Modem Mac Received (headend=%d,upstream=%d,modem=%s)

Table A-1 Undocumented messages (Continued)

<UPSTREAM_FORWARD> Failed to forward upstream packet [dec_send error]
<UPSTREAM_INVALID_CHAN> Invalid US channel Id = %d
<UPSTREAM_INVALID_ID> Received packet with invalid upstream id (headend=%d) : %d
<UPSTREAM_INVALID_SID> Invalid SID = %d
<UPSTREAM_INVALID_VLAN> Invalid VLAN ID : %d (headend=%d , upstream=%d)
<UPSTREAM_NON_8021Q> on 802.1Q packet on trunk port (headend=%d, upstream=%d)
<UPSTREAM_RSVD_PDU> RSVD PDU received (headend=%d, upstream=%d)
<UPSTREAM_UNSUPPORTED_CONTROL> Unsupported control message (headend=%d,upstream=%d,modem=%s) : %s
<USER_LIST> User list %s for web caching '%s'
<VALUE_REQUIRED> %s.
<VCG_HASH_FULL> Hash collision for group %d, please choose a different group number
<VCI_OUT_OF_RANGE> VCI %d is beyond supported VCI max %d
<VCLISINTERFACE> ATM VCL at.%d.%d.%d.%d is referenced in an interface create command.
<VCLSRVDEFMODIFY> Replaced SrvDef %s on at.%d.%d.%d.%d with SrvDef %s.
<VINDEX> Invalid index value %d
<VLANNOTSAME> Port(s) '%s' exist in different VLANs
<VLINKS> No more free virtual links max %d current %d
<VPI_OUT_OF_RANGE> VPI %d is beyond supported VPI max %d
<VPLALREADYOPEN>VPI %d on local ATM port %d already open.
<VPLHASOPENREF> ATM VPL at.%d.%d.%d still has open CLI references.
<VPLSRVDEFMODIFY> Replaced SrvDef %s on at.%d.%d.%d with SrvDef %s.
<VRNGFORMAT> Invalid range format - must be in the form \"start,stop\"
<VRNGVALUE> Invalid start or stop value - legal values are 0 - 15, inclusively
<WAIT_EVENT> event wait failed (retCode %d)
<WAN_CPU_TESTS> WAN PROM-Based Tests (Slot %i) : FAILED
<WAN_CPU_TESTS> WAN PROM-Based Tests (Slot %i) : PASSED
<WAN_DSU_LB> (Slot %i) : DSU Loopback Test: FAILED
<WAN_DSU_LB> (Slot %i): DSU Loopback Test: PASSED
<WAN_ETHER_REG> (Slot %i) : WAN Ethernet Controller Registers Test : FAILED
<WAN_ETHER_REG> (Slot %i) : WAN Ethernet Controller Registers Test : PASSED
<WAN_EXT_LB> (Slot %i) : WAN Ethernet XBAR Loopback : FAILED

Table A-1 Undocumented messages (Continued)

<WAN_EXT_LB> (Slot %i) : WAN Ethernet XBAR Loopback : PASSED
<WAN_FRAMER_INT_LB> (Slot %i) : Framer Internal Loopback : FAILED
<WAN_FRAMER_INT_LB> (Slot %i) : Framer Internal Loopback : PASSED
<WAN_FRVLAN> port(%d) vc(%d) could not be added to vlan(%d) since it is already assigned to vlan(%d)
<WAN_FRVLAN> port(%d) vc(%d) could not be added to vlan(%d) since it is already assigned to vlan(%d)
<WAN_FRVLAN> port(%d) vc(%d) could not be added to vlan(%d) since it is already assigned to vlan(%d)
<WAN_FRVLAN> port(%d) vc(%d) could not be added to vlan(%d) since it is already assigned to vlan(%d)
<WAN_GALILEO_REG_TEST> (Slot %i) : WAN Galileo Registers Test : FAILED
<WAN_GALILEO_REG_TEST> (Slot %i) : WAN Galileo Registers Test : PASSED
<WAN_GALILEO_TIMER_TEST> (Slot %i) : WAN Galileo Timer Interrupt Test : FAILED
<WAN_GALILEO_TIMER_TEST> (Slot %i) : WAN Galileo Timer Interrupt Test : PASSED
<WAN_HDLC_EXT_LB> (Slot %i) : HDLC External Loopback : FAILED
<WAN_HDLC_EXT_LB> (Slot %i) : HDLC External Loopback : PASSED
<WAN_HDLC_INT_LB> (Slot %i) : HDLC Internal Loopback : FAILED
<WAN_HDLC_INT_LB> (Slot %i) : HDLC Internal Loopback : PASSED
<WAN_HDLC_LINK_LED> (Slot %i) : HDLC Link LEDs Test : FAILED
<WAN_HDLC_LINK_LED> (Slot %i) : HDLC Link LEDs Test : PASSED
<WAN_HDLC_REG> (Slot %i) : WAN HDLC Registers Test : FAILED
<WAN_HDLC_REG> (Slot %i) : WAN HDLC Registers Test : PASSED
<WAN_HIFN_7711> (Slot %i) : HIFN 7711 Test: FAILED
<WAN_HIFN_9711> (Slot %i) : HIFN 9711 Test: PASSED
<WAN_HIFN_MEM> (Slot %i) : HIFN Context Memory Test: FAILED
<WAN_HIFN_MEM> (Slot %i) : HIFN Context Memory Test: PASSED
<WAN_L2_CACHE> (Slot %i) : WAN L2 Cache Test : FAILED
<WAN_L2_CACHE> (Slot %i) : WAN L2 Cache Test : PASSED
<WAN_MAC_LB> (Slot %i) : WAN Ethernet MAC Loopback : FAILED
<WAN_MAC_LB> (Slot %i) : WAN Ethernet MAC Loopback : PASSED
<WAN_MOD_PROM_TESTS> %s
<WAN_MODULE> WAN Module (Slot %i) : FAILED
<WAN_MODULE> WAN Module (Slot %i) : PASSED
<WAN_PKT> %s
<WAN_PKT> %s

Table A-1 Undocumented messages (Continued)

<WAN_PORT_STATUS> (Slot %i, HDLC Port %i) : FAILED
<WAN_PORT_STATUS> (Slot %i, HDLC Port %i) : PASSED
<WAN_PPPVLAN> port(%d) could not be added to vlan(%d) since it is already assigned to vlan(%d)
<WAN_PPPVLAN> port(%d) could not be added to vlan(%d) since it is already assigned to vlan(%d)
<WAN_SDRAM_A_D_BUS> (Slot %i) : WAN SDRAM Address and Data Buses Test : FAILED
<WAN_SDRAM_A_D_BUS> (Slot %i) : WAN SDRAM Address and Data Buses Test : PASSED
<WAN_SDRAM_MARCH_C> (Slot %i) : WAN SDRAM MarchC Memory Test : FAILED
<WAN_SDRAM_MARCH_C> (Slot %i) : WAN SDRAM MarchC Memory Test : PASSED
<WAN_SEMAPHORE> (Slot %i) : WAN Semaphore Test : FAILED
<WAN_SEMAPHORE> (Slot %i) : WAN Semaphore Test : PASSED
<WAN_SHMEM> (Slot %i) : Shared Memory Test: FAILED
<WAN_SHMEM> (Slot %i) : Shared Memory Test: PASSED
<WANBOOT> Rebooting WAN module %d
<WANCMDFAILED> Wan command failed
<WANEEPT> WAN ept API error
<WARMUP> warmup period expired for %s virtual router %d on interface %s
<WARMUP> warmup period expired for %s virtual router %d on interface %s
<WARMUP> warmup period expired for %s virtual router %d on interface %s
<WRONG_RATE> Rate specified is not within the range for ports ’%s’
<XBAR_ACTIVE_FABRIC> Setting Active Fabric To %i
<XBAR_CHAN> Cross-Bar: Channel-to-Channel Test: FAILED
<XBAR_CHAN> Cross-Bar: Channel-to-Channel Test: PASSED
<XBAR_FABRIC> Cross-Bar Fabric %i : FAILED
<XBAR_FABRIC> Cross-Bar Fabric %i : PASSED
<XBAR_GEN> %s
<XBAR_LINK> Cross-Bar: (Slot %i, Port %i) -> (Slot %i, Port %i): FAILED
<XBAR_LINK> Cross-Bar: (Slot %i, Port %i) -> (Slot %i, Port %i): PASSED
<XBAR_MODULE> Cross-Bar on Back-Plane : FAILED
<XBAR_MODULE> Cross-Bar on Back-Plane : PASSED
<XCS_ERR_PKT> Received packet with HCS/FCS Error

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