X PEDITION

Error Reference Manual

Revision Date: 12.19.03

ENTERASYS NETWORKS™

NOTICE

Enterasys Networks reserves the right to make changes in specifications and other information contained in this document and its web site without prior notice. The reader should in all cases consult Enterasys Networks to determine whether any such changes have been made.

The hardware, firmware, or software described in this document is subject to change without notice.

IN NO EVENT SHALL ENTERASYS NETWORKS BE LIABLE FOR ANY INCIDENTAL, INDIRECT, SPECIAL, OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING BUT NOT LIMITED TO LOST PROFITS) ARISING OUT OF OR RELATED TO THIS DOCUMENT, WEB SITE, OR THE INFORMATION CONTAINED IN THEM, EVEN IF ENTERASYS NETWORKS HAS BEEN ADVISED OF, KNEW OF, OR SHOULD HAVE KNOWN OF, THE POSSIBILITY OF SUCH DAMAGES.

<h1 style="text-align:center;color:blue;">ENTERASYS NETWORKS, INC.
FIRMWARE LICENSE AGREEMENT</h1>

BEFORE OPENING OR UTILIZING THE ENCLOSED PRODUCT,
CAREFULLY READ THIS LICENSE AGREEMENT.

This document is an agreement ("Agreement") between the end user ("You") and Enterasys Networks, Inc. on behalf of itself and its Affiliates (as hereinafter defined) ("Enterasys") that sets forth Your rights and obligations with respect to the Enterasys software program/firmware installed on the Enterasys product (including any accompanying documentation, hardware or media) ("Program") in the package and prevails over any additional, conflicting or inconsistent terms and conditions appearing on any purchase order or other document submitted by You. "Affiliate" means any person, partnership, corporation, limited liability company, or other form of enterprise that directly or indirectly through one or more intermediaries, controls, or is controlled by, or is under common control with the party specified. This Agreement constitutes the entire understanding between the parties, and supersedes all prior discussions, representations, understandings or agreements, whether oral or in writing, between the parties with respect to the subject matter of this Agreement. The Program may be contained in firmware, chips or other media.

BY INSTALLING OR OTHERWISE USING THE PROGRAM, YOU REPRESENT THAT YOU ARE AUTHORIZED TO ACCEPT THESE TERMS ON BEHALF OF THE END USER (IF THE END USER IS AN ENTITY ON WHOSE BEHALF YOU ARE AUTHORIZED TO ACT, "YOU" AND "YOUR" SHALL BE DEEMED TO REFER TO SUCH ENTITY) AND THAT YOU AGREE THAT YOU ARE BOUND BY THE TERMS OF THIS AGREEMENT, WHICH INCLUDES, AMONG OTHER PROVISIONS, THE LICENSE, THE DISCLAIMER OF WARRANTY AND THE LIMITATION OF LIABILITY. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT OR ARE NOT AUTHORIZED TO ENTER INTO THIS AGREEMENT, ENTERASYS IS UNWILLING TO LICENSE THE PROGRAM TO YOU AND YOU AGREE TO RETURN THE UNOPENED PRODUCT TO ENTERASYS OR YOUR DEALER, IF ANY, WITHIN TEN (10) DAYS FOLLOWING THE DATE OF RECEIPT FOR A FULL REFUND.

IF YOU HAVE ANY QUESTIONS ABOUT THIS AGREEMENT, CONTACT ENTERASYS NETWORKS, LEGAL DEPARTMENT AT (978) 684-1000.

You and Enterasys agree as follows:

1.   LICENSE. You have the non-exclusive and non-transferable right to use only the one (1) copy of the Program provided in this package subject to the terms and conditions of this Agreement.

2.   RESTRICTIONS. Except as otherwise authorized in writing by Enterasys, You may not, nor may You permit any third party to:

    (i)   Reverse engineer, decompile, disassemble or modify the Program, in whole or in part, including for reasons of error correction or interoperability, except to the extent expressly permitted by applicable law and to the extent the parties shall not be permitted by that applicable law, such rights are expressly excluded. Information necessary to achieve interoperability or correct errors is available from Enterasys upon request and upon payment of Enterasys' applicable fee.

    (ii)   Incorporate the Program, in whole or in part, in any other product or create derivative works based on the Program, in whole or in part.

    (iii)   Publish, disclose, copy, reproduce or transmit the Program, in whole or in part.

    (iv)   Assign, sell, license, sublicense, rent, lease, encumber by way of security interest, pledge or otherwise transfer the Program, in whole or in part.

    (v)   Remove any copyright, trademark, proprietary rights, disclaimer or warning notice included on or embedded in any part of the Program.

3.   APPLICABLE LAW. This Agreement shall be interpreted and governed under the laws and in the state and federal courts of the Commonwealth of Massachusetts without regard to its conflicts of laws provisions. You accept the personal jurisdiction and venue of the Commonwealth of Massachusetts courts. None of the 1980 United Nations Convention on Contracts for the International Sale of Goods, the United Nations Convention on the Limitation Period in the International Sale of Goods, and the Uniform Computer Information Transactions Act shall apply to this Agreement.

4. EXPORT RESTRICTIONS. You understand that Enterasys and its Affiliates are subject to regulation by agencies of the U.S. Government, including the U.S. Department of Commerce, which prohibit export or diversion of certain technical products to certain countries, unless a license to export the Program is obtained from the U.S. Government or an exception from obtaining such license may be relied upon by the exporting party.

If the Program is exported from the United States pursuant to the License Exception CIV under the U.S. Export Administration Regulations, You agree that You are a civil end user of the Program and agree that You will use the Program for civil end uses only and not for military purposes.

If the Program is exported from the United States pursuant to the License Exception TSR under the U.S. Export Administration Regulations, in addition to the restriction on transfer set forth in Sections 1 or 2 of this Agreement, You agree not to (i) reexport or release the Program, the source code for the Program or technology to a national of a country in Country Groups D:1 or E:2 (Albania, Armenia, Azerbaijan, Belarus, Bulgaria, Cambodia, Cuba, Estonia, Georgia, Iraq, Kazakhstan, Kyrgyzstan, Laos, Latvia, Libya, Lithuania, Moldova, North Korea, the People's Republic of China, Romania, Russia, Rwanda, Tajikistan, Turkmenistan, Ukraine, Uzbekistan, Vietnam, or such other countries as may be designated by the United States Government), (ii) export to Country Groups D:1 or E:2 (as defined herein) the direct product of the Program or the technology, if such foreign produced direct product is subject to national security controls as identified on the U.S. Commerce Control List, or (iii) if the direct product of the technology is a complete plant or any major component of a plant, export to Country Groups D:1 or E:2 the direct product of the plant or a major component thereof, if such foreign produced direct product is subject to national security controls as identified on the U.S. Commerce Control List or is subject to State Department controls under the U.S. Munitions List.

5. UNITED STATES GOVERNMENT RESTRICTED RIGHTS. The enclosed Program (i) was developed solely at private expense; (ii) contains "restricted computer software" submitted with restricted rights in accordance with section 52.227-19 (a) through (d) of the Commercial Computer Software-Restricted Rights Clause and its successors, and (iii) in all respects is proprietary data belonging to Enterasys and/or its suppliers. For Department of Defense units, the Program is considered commercial computer software in accordance with DFARS section 227.7202-3 and its successors, and use, duplication, or disclosure by the Government is subject to restrictions set forth herein.

6. DISCLAIMER OF WARRANTY. EXCEPT FOR THOSE WARRANTIES EXPRESSLY PROVIDED TO YOU IN WRITING BY ENTERASYS, ENTERASYS DISCLAIMS ALL WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, SATISFACTORY QUALITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON- INFRINGEMENT WITH RESPECT TO THE PROGRAM. IF IMPLIED WARRANTIES MAY NOT BE DISCLAIMED BY APPLICABLE LAW, THEN ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THIRTY (30) DAYS AFTER DELIVERY OF THE PROGRAM TO YOU.

7. LIMITATION OF LIABILITY. IN NO EVENT SHALL ENTERASYS OR ITS SUPPLIERS BE LIABLE FOR ANY DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS, PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR RELIANCE DAMAGES, OR OTHER LOSS) ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM, EVEN IF ENTERASYS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THIS FOREGOING LIMITATION SHALL APPLY REGARDLESS OF THE CAUSE OF ACTION UNDER WHICH DAMAGES ARE SOUGHT.

THE CUMULATIVE LIABILITY OF ENTERASYS TO YOU FOR ALL CLAIMS RELATING TO THE PROGRAM, IN CONTRACT, TORT OR OTHERWISE, SHALL NOT EXCEED THE TOTAL AMOUNT OF FEES PAID TO ENTERASYS BY YOU FOR THE RIGHTS GRANTED HEREIN.

8. AUDIT RIGHTS. You hereby acknowledge that the intellectual property rights associated with the Program are of critical value to Enterasys and, accordingly, You hereby agree to maintain complete books, records and accounts showing (i) license fees due and paid, and (ii) the use, copying and deployment of the Program. You also grant to Enterasys and its authorized representatives, upon reasonable notice, the right to audit and examine during Your normal business hours, Your books, records, accounts and hardware devices upon which the Program may be deployed to verify compliance with this Agreement, including the verification of the license fees due and paid Enterasys and the use, copying and deployment of the Program. Enterasys' right of examination shall be exercised reasonably, in good faith and in a manner calculated to not unreasonably interfere with Your business. In the event such audit discovers non-compliance with this Agreement, including copies of the Program made, used or deployed in breach of this Agreement, You shall promptly pay to Enterasys the appropriate license fees. Enterasys reserves the right, to be exercised in its sole discretion and without prior notice, to terminate this license, effective immediately, for failure to comply with this Agreement. Upon any such termination, You shall immediately cease all use of the Program and shall return to Enterasys the Program and all copies of the Program.

9. OWNERSHIP. This is a license agreement and not an agreement for sale. You acknowledge and agree that the Program constitutes trade secrets and/or copyrighted material of Enterasys and/or its suppliers. You agree to implement reasonable security measures to protect such trade secrets and copyrighted material. All right, title and interest in and to the Program shall remain with Enterasys and/or its suppliers. All rights not specifically granted to You shall be reserved to Enterasys.

10. ENFORCEMENT. You acknowledge and agree that any breach of Sections 2, 4, or 9 of this Agreement by You may cause Enterasys irreparable damage for which recovery of money damages would be inadequate, and that Enterasys may be entitled to seek timely injunctive relief to protect Enterasys' rights under this Agreement in addition to any and all remedies available at law.

11. ASSIGNMENT. You may not assign, transfer or sublicense this Agreement or any of Your rights or obligations under this Agreement, except that You may assign this Agreement to any person or entity which acquires substantially all of Your stock or assets. Enterasys may assign this Agreement in its sole discretion. This Agreement shall be binding upon and inure to the benefit of the parties, their legal representatives, permitted transferees, successors and assigns as permitted by this Agreement. Any attempted assignment, transfer or sublicense in violation of the terms of this Agreement shall be void and a breach of this Agreement.

12. WAIVER. A waiver by Enterasys of a breach of any of the terms and conditions of this Agreement must be in writing and will not be construed as a waiver of any subsequent breach of such term or condition. Enterasys' failure to enforce a term upon Your breach of such term shall not be construed as a waiver of Your breach or prevent enforcement on any other occasion.

13. SEVERABILITY. In the event any provision of this Agreement is found to be invalid, illegal or unenforceable, the validity, legality and enforceability of any of the remaining provisions shall not in any way be affected or impaired thereby, and that provision shall be reformed, construed and enforced to the maximum extent permissible. Any such invalidity, illegality or unenforceability in any jurisdiction shall not invalidate or render illegal or unenforceable such provision in any other jurisdiction.

14. TERMINATION. Enterasys may terminate this Agreement immediately upon Your breach of any of the terms and conditions of this Agreement. Upon any such termination, You shall immediately cease all use of the Program and shall return to Enterasys the Program and all copies of the Program.

Contents

Preface

This guide lists and describes the system error messages for the Enterasys routers. The system software sends these messages to the console during operation. 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.

What's New

This manual contains updates to numerous error messages and the addition of many that were previously undocumented.

December

ATM

%ATM-E-FORCEDBRIDGED, Ports at.4.1.0.100 are referenced in forced-bridged. on page 29

%ATM-E-VCLSINPEERADDR, Ports at.4.1.0.100 are referenced in a peer-address. on page 45

%ATM-E-VCLSINVLAN, Ports at.4.1.0.100 are referenced in a vlan. on page 46

BGP

%BGP-E-HOLDTEXISTS, A hold time has already been configured for this peer on page 61

%BGP-E-HOLDTEXISTSGR, A hold time has already been configured for this group. on page 61

%BGP-E-REFLEXISTS, A reflector-client configuration already exists for peer-group <name> on page 68

DHCP

%DHCPD-I-NOAVAIL DHCP discover from <hardware address> on <subnet>: no free leases on page 138

%DHCPD-W-ADDRCONFLICT DHCP pool addr <ip_address> is also addr of interface <interface_name> on page 139

FDDI

%FDDI-W-REINIT_MODULE Module <value> must be re-initialized

GateD

%GATED-E-GET_SEMA4 GateD cannot get link_semaphore

%GATED-E-REL_SEMA4 GateD cannot release link_semaphore

Layer 2 Table Manager

%L2TM-E-NEEDS_PORT, st.1 must have at least one port in it because the port contains configured l2 aging or flowbridging information. Before removing all ports from the SmartTRUNK, please negate any aging or flowbridging commands relating to the SmartTRUNK. (Search your configuration for "aging l2" or "port flowbridging")

Network Interface Driver

%NI-F-GETFAILED No free netbufs are available for transmit

OSPF

%OSPF-E-DEADLESSTHANHELLO Router dead interval is less than hello interval for interface <name or ip address>.

%OSPF-E-IFNEXISTS <interface_name> is not a known OSPF interface. Either the interface has not been added to OSPF or <interface_name> does not match the name or ip-address used to add the interface to OSPF.

%OSPF-E-IFSALREADYADDED Could not add "all" interfaces to area <area-name>. Interfaces have already been added to OSPF areas.

%OSPF-E-KYWDALLUSED Could not add interface <interface-name> to area <area- name>. The interface has already been added to area <area-name> using keyword "all".

%OSPF-E-NOSETPOLLINT Polling interval can only be set for Non-Broadcast interfaces.

%OSPF-E-OPTALREADYSET Interface option <option-name> has already been set for interface <intf-name>.

Policy

%POLICY-E-ILLEGALEXPORT Cannot export routes from protocol <protocol name> to protocol <protocol name>

SAM

%SAM-I-STATUS Service Availability Manager is <"enabled" or "disabled">

%SAM-W-ACTIVATED Service Availability Manager activated by port <port-number>, rate-limiting ports <port-list>

%SAM-W-DEACTIVATED Service Availability Manager deactivated on ports <port-list>

SmartTRUNK

%STRNK-W-CDPPORTSTATE, CDP is configured on one or more ports being added to the SmartTRUNK. The CDP state on the port(s) will now reflect the state of the SmartTRUNK as a whole. Use the "cdp set port-status" command to configure CDP on the SmartTRUNK.

%STRNK-E-NOLACP SmartTRUNK was not created with the LACP protocol

Static

%STATIC-E-ILLDESTVAL, Route destination cannot be a multicast address.

STP

%STP-E-GET_SEMA4 Cannot get link_semaphore

%STP-E-INVSTATE Port <number> cannot be added to <st.number> because spanning tree is already enabled on that port. Disable spanning tree on the port before adding it to a smarttrunk

%STP-E-MISMATCH Port <number> cannot be added to <st.number> because of spanning tree attribute mismatch

%STP-E-REL_SEMA4 Cannot release link_semaphore

System

%SYS-E-COLUMN_SIZE_BELOW_MINIMUM, Column size below available minimum column size of %d. Minimum column size is determined by the length of the prompt + 3 or 20 characters, whichever is greater.

VLAN

%VLAN-W-IFSETMTU The interface <interface_name> MTU could not be changed successfully as a result of adding port(s) to the VLAN <vlan_name> (<function>)

%VLAN-E-L4ACLAPPLIED L4-bridging could not be removed from VLAN <vlan_name> because one or more of its ports has an ACL applied. Please remove all applied ACLs before removing L4-bridging.

%VLAN-E-PORTACLAPPLIED Port(s) cannot be removed from VLAN <vlan_name> because one or more ACLs are applied. Please remove all applied ACLs before removing port(s).

%VLAN-E-PVID Port(s) <port-list> cannot set PVID to vlan <vlan name>, port(s) have not been added to the vlan

%VLAN-E-PVID_PORTS Vlan <vlan name> is reference by a vlan default-vlan ports command. Please remove before removing the vlan.

%VLAN-E-UNTAGGED Port(s) <port-list> cannot be set untagged on vlan <vlan-name>, not an egress port or port is part of a link group.

%VLAN-E-UNTAGGED_PORTS Vlan <vlan name> has configured untagged ports(s). Please remove them before removing the vlan.

Reading Error Messages

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

*<timestamp>***%***<facility>****-***<severity>****-***<description> <message text>*

where:

- *<timestamp>* lists the date and time when the message appeared (e.g., 2002-08-23 14:32:00).

- *<facility>* is a code consisting of uppercase letters that indicates the facility to which the error message refers.

- *<severity>* is a single-letter code indicating the severity of the error condition. There are five severity levels:

  – **I** – informational message (least severe)

  – **A** – audit message

  – **W** – warning condition

  – **E** – error condition

  – **F** – fatal error (most severe)

- *<description>* is a code consisting of uppercase letters that identifies the error message.

- *<message text>* is a text string that briefly describes the error condition.

Note: You do not need to respond to informational messages.

How to Use this Book

Each chapter in this book lists and describes the messages generated by the different system facilities. There is one chapter for each system facility. Within each chapter, messages are grouped by severity and alphabetized.

Appendix A contains 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 Enterasys internal use or are artifacts. If you have concerns about any of the undocumented messages, call Enterasys Technical Support.

Getting Help

For additional support related to the Common CLI syntax or this document, contact Enterasys Networks using one of the following methods:

World Wide Web	http://www.enterasys.com
Phone	603-332-9400 1-800-872-8440 (toll-free in U.S. and Canada) For the Enterasys Networks Support toll-free number in your country: http://www.enterasys.com/support/gtac-all.html
Internet mail	support@enterasys.com

FTP
     Login
     Password
	ftp://ftp.enterasys.com
	 anonymous
	 your email address

To send comments or suggestions concerning this document to the Technical Writing Department: **TechWriting@enterasys.com**

Make sure to include the document Part Number in the email message.

Before contacting Enterasys Networks for technical support, have the following information ready:

• Your Enterasys Networks service contract number

• A description of the failure

• A description of any action(s) already taken to resolve the problem (e.g., changing mode switches, rebooting the unit, etc.)

• The serial and revision numbers of all involved Enterasys Networks products in the network

• A description of your network environment (layout, cable type, etc.)

• Network load and frame size at the time of trouble (if known)

• The device history (i.e., have you returned the device before, is this a recurring problem, etc.)

• Any previous Return Material Authorization (RMA) numbers

Chapter 1

Layer 3 Access Control List (ACL) Error Messages

This chapter describes the error messages for the Layer 3 Access Control List (ACL) facility.

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-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-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-NONE No ACL applied to any services

Explanation:
There is no Service ACL applied to any services on the XP.

Recommended Action:
Informational Message. No action necessary

Audit Messages

%ACL-A-APPLY "ACL (%s) applied to %s:%s."

Explanation:
The ACL identified was applied to an interface, port, or service.

Recommended Action:
Security audit message. No action necessary.

%ACL-A-CREATED "ACL (%s) created <%s>."

Explanation:
The ACL listed was added to the active configuration.

Recommended Action:
Security audit message. No action necessary.

%ACL-A-MODIFIED "ACL (%s) modified."

Explanation:
The ACL identified was modified and added to the active configuration.

Recommended Action:
Security audit message. No action necessary.

%ACL-A-NOAPPLY "ACL (%s) removed from %s:%s."

Explanation:
The ACL identified was removed from an interface, port, or service.

Recommended Action:
Security audit message. No action necessary.

%ACL-A-REMOVED "ACL (%s) removed <%s>."

Explanation:
The ACL identified was removed from the active configuration.

Recommended Action:
Security audit message. No action necessary.

Warning Messages

%ACL-W-STNOPORTS ACL *<acl_name>* applied to SmartTRUNK that contains no ports. Please add ports to the SmartTRUNK using the "smarttrunk add ports" command.

Explanation:
A user applied an ACL to a SmartTRUNK port that contains no actual ports. In this state, the ACL will not affect any traffic until the user adds physical ports to the SmartTRUNK.

Recommended Action:
Add ports to the SmartTRUNK using the **smarttrunk add ports** command.

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-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 XP, 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-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-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-HWNOTSFR Slot %d of interface '%s' is not SFR compliant.

Explanation:
An ACL created with the 'tcp established' option will check for a sin/fin/reset bit (SFR) in TCP packets without an accompanying ACK bit and send any such packets to the CPU for processing. This helps prevent against SYN attacks.

Recommended Action:
This functionality exists only in the SIPP (i.e., T-series cards)—the XP does not allow the use of an established ACL with a module that uses an IPP.

%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-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-NOMODIFYACL is currently in use at interface <interface_name>. Please use the ACL Editor to edit this ACL ("acl-edit 1").

Explanation:
A user attempted to create or modify an ACL that is attached to a port on the router.

Recommended Action:
The CLI does not permit users to add or remove ACL command lines in configuration mode when the ACL is applied to an interface. An ACL line can be added, moved, or removed using the **acl-edit** command, or by commenting out or negating the **acl apply interface** line before adding or removing an ACL line from the configuration.

%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-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-OPTMISMATCH The 'all-ip' option can not be used with an AppleTalk ACL.

Explanation:
The 'all-ip' option has no meaning with respect to the AppleTalk protocol.

Recommended Action:
Do not use the 'all-ip' option with AppleTalk ACLs.

%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 XP 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 mode 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-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 XP 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 mode 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-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-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-SAMEPROTO Another 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-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.

Chapter 2

Layer 3 Access Control List Log (ACL_LOG) Error Messages

This chapter describes the error messages for the Layer 3 Access Control List Log (ACL_LOG) facility.

Informational Messages

%ACL_LOG-I-PERIODIC, ACL [name] on [interface name] [source address] -> [destination address] has been hit X times in the last X seconds, X total

Explanation:
This ACL logging message is reporting how many times a denied traffic stream has been attempted in the last X seconds. This message will only be shown if the acl referred to by [acl_name] has been applied with the report-denied option.

Recommended action:
Informational message only, no action necessary.

Audit Messages

%ACL_LOG-A-DEFAULT [*<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-A-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-A-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.

%ACL_LOG-A-PERIODIC %s has been hit %u times in the last %u seconds

Explanation:
Multiple packets were received and dropped by the router because the Access Control List configuration does not allow it. If the access control list entry is applied as in the example below, this error will occur periodically to report the number of packets dropped.

xp(config)# **acl myacl apply....report-denied periodic**

Recommended Action:
This may be an indication of attempts by unauthorized persons to gain access to the system. It could also be an indication of a denial of service attack. The messaged will identify the address where the packet originated.

Chapter 3

AGGRGEN Error Messages

This chapter describes the error messages for the AGGRGEN facility.

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 being used.

Recommended Action:
Use a different (unique) identifier (number or 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 name.

%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:
If possible, negate unused aggr-gen-dest commands.

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

Explanation:
This message appears when the maximum number of source entries associated with an aggr-gen command has been reached.

Recommended Action:
If possible, negate unused aggr-gen commands.

%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 that could not be found.

Recommended Action:
Specify a different source or sources for the given aggregate-generation route.

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

Explanation:
This error message is displayed 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 is displayed 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-ROUTEOVFL No memory for creating aggr-gens.

Explanation:
This message appears when the maximum number of aggregate policies (aggr-gens) has been reached.

Recommended Action:
If possible, negate unused aggregate-generations and try again.

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

Explanation:
This error message is displayed when the user specifies an undefined aggregate-generation.

Recommended Action:
Ensure 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 (aggr-gen) has been reached.

Recommended Action:
If possible, negate unused filters/networks.

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

Explanation:
This message appears when the identifier (tag) assigned to a new aggr-gen-source CLI command is already being used.

Recommended Action:
Use a different (unique) identifier (number or string)

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

Explanation:
This message appears when the "source" parameter in the **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 appears when the maximum number of "aggregate-generation source" entries has been reached.

Recommended Action:
If possible, negate unused aggr-gen-source commands.

Chapter 4

ARE Messages

This chapter describes the error messages for the Advanced Routing Engine.

Error Messages

%ARE-E-INVALIDSLOT ARE Modules cannot be placed in slots used for control modules, or the highest numbered slot.

Explanation:
An ARE module was installed in a slot that does not support the module.

Recommended Action:
Move the module to another slot.

%ARE-E-UNKNOWNBOARD The ARE in slot *<Slot Number>* contains an unknown hardware version.

Explanation:
The current firmware does not support the ARE module installed or the module is bad.

Recommended Action:
Upgrade the firmware to the latest version available. If problem persists, contact Enterasys Technical Support.

Chapter 5

ARP Messages

This chapter describes the error messages for the ARP facility.

Error Messages

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

Explanation:
This message is displayed when an ARP entry was attempted to be added from the "Enabled" mode and the action failed.

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

Chapter 6

ATM Error Messages

This chapter describes the error messages for the ATM facility.

Informational Messages

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

Explanation:
The SCR value entered is not allowed for the type of service specified. The XP will clear this value.

Recommendation:
Informational message only, no action necessary.

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

Explanation:
The MBS value entered is not allowed for the type of service specified. The XP will clear this value.

Recommendation:
Informational message only, no action necessary.

%ATM-I-VCLALREADYOPEN

Explanation:
The VCL specified was already created.

Recommendation:
Specify a new VCL.

Warning Messages

%ATM-W-FIXINGSCROPTION SCR set, Service Category not VBR. Clearing SCR value.

Explanation:
Specified SCR, and SCR is not permitted for specified service class.

Recommended Action:
None.

%ATM-W-FIXINGMBSOPTION MBS set, Service Category not VBR. Clearing MBS value. // ATM PVC message area.

Explanation:
Specified MBS, and MBS is not permitted for specified service class.

Recommended Action:
None.

%ATM-W-IARPNOTXMT Port at.%d.%d.%d.%d could not send an inverse ATM ARP packet.

Explanation:
The router did not send an Inverse ATM ARP packet because the number of available packet buffers was insufficient. This warning may result from too much traffic on the line using up all of the packet buffers.

Recommended Action:
Reduce the amount of traffic or connections on the ATM card. If the problem persists, contact Enterasys Technical Support.

%AMT-W-OAMNORSP Port at.%d.%d.%d.%d did not receive a response to %d OAM loopback requests.

Explanation:
Internal error.

Recommended Action:
Check that the other end of the link supports OAM cells.

%ATM-W-OAMNOTXMT OAM loopback cell could not be transmitted.

Explanation:
An OAM loopback cell cannot transmit because the transmit queue is full.

Recommended Action:
This condition should resolve itself through the retry process.

Error Messages

%ATM-E-BADVC

Explanation:
Internal error.

Recommended Action:
Specify a different VC.

%ATM-E-BITSTREAMREADFAILED Channel %d, error during reading bit stream file, error=%ld.

Explanation:
An error occurred while reading the file to download to the FPGA onto the ATM card.

Recommended Action:
The image may be corrupted—reload the image onto the router (the FPGA image is part of the main router image).

%ATM-E-BOOTSOURCEISUNKNOWN Bootsource did not have a value.

Explanation:
Bootsource did not have a value.

Recommended Action:
Specify a value.

%ATM-E-CREATE_Q Could not create the Receive Control Queue.

Explanation:
The XP was not able to create the ATM Receive Control Queue—most likely due to a memory error. This is a fatal condition and may indicate a bad ATM card if the error persists.

Recommended Action:
Hot swap the ATM card or reboot the router. If the error persists, replace the module.

%ATM-E-EXISTINGVCL VCL <at.*slot.port.vpi.vci*> already exists! Create failed.

Explanation:
You use an incorrect VCL value.

Recommended Action:
Use a different VCL value.

%ATM-E-EXISTINGVPL VPL <at.*slot.port.vpi.vci*> already exists! Create failed.

Explanation:
You use an incorrect VPL value.

Recommended Action:
Use a different VPL value.

%ATM-E-FORCEDBRIDGED Ports <at.*slot.port.vpi.vci*> are referenced in forced-bridged.

Explanation:
This error message appears when a user attempts to negate a VCL that is still assigned to be forced-bridged.

Recommended Action:
Negate the forced-bridge option on the VCL, then negate the VCL.

%ATM-E-FPGACRCERROR Channel %d, CRC error during FPGA Download.

Explanation:
The router encountered a CRC while downloading the FPGA onto the ATM card. This may indicate a bad ATM card if the error persists.

Recommended Action:
Hot swap the ATM card or reboot the router. If the error persists, replace the module.

%ATM-E-FPGADNLOADFAILED Channel %d, FPGA bitstream download failed.

Explanation:
The router encountered an error while downloading the FPGA onto the ATM card. This may indicate a bad ATM card if the error persists.

Recommended Action:
Hot swap the ATM card or reboot the router. If the error persists, replace the module.

%ATM-E-FPGAFILENAMEUNKNOWN Channel %d, could not get FPGA filename to open.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-FPGAFILEOPENFAILED Channel %d, could not open the FPGA bitstream file, error = %ld

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-FPGAFILESIZEUNKNOWN Channel %d, could not determine the size of the FPGA bitstream file, error = %ld

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-INITCSRBAD Port <at.*slot.port*>, error while initializing data structures and CSRs.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-INVALIDDEFINEOBJECT Unexpected atm define object: %s

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-INVALIDSRVCATOPTION The service category %s is not supported

Explanation:
Internal Error

Recommended Action:
Use a different service type.

%ATM-E-INVALIDSRVDEFOPTION Unknown service definition option.

Explanation:
Internal Error

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-MAPTYPE Port <at.*slot.port*>, tried to configure illegal map type %x.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-NEEDPCR Service requires that a PCR value be specified.

Explanation:
Internal error.

Recommended Action:
Service requires that a PCR value be specified.

%ATM-E-NEEDSCR Service requires that an SCR value be specified.

Explanation:
Internal error.

Recommended Action:
Service requires that an SCR value be specified.

%ATM-E-NI_XMT_Q_FULL Could not transmit control packet, NI transmit queue is full.

Explanation:
Could not transmit control packet, NI transmit queue is full.

Recommended Action:
If problem persists, contact customer support.

%ATM-E-NOAVAILBW Insufficient Link Bandwidth, avail: %d cps

Explanation:
You are attempting to use more bandwidth than is available on the link. Note that CBR traffic cannot use 100% of the bandwidth, since some must be reserved for other critical traffic.

Recommended Action:
Use less bandwidth.

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

Explanation:
This message is displayed when no port list is available.

Recommended Action:
Call Enterasys Technical Support.

%ATM-E-NORESOURCESAVAIL Internal memory fault - low resources.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-NOVCLFOUND VCL <at.*slot.port.vpi.vci*> is not created.

Explanation:
You use an incorrect VCL value.

Recommended Action:
Specify a VCL that has already been created.

%ATM-E-NOVPLFOUND VPL <at.*slot.port.vpi.vci*> is not created.

Explanation:
You use an incorrect VPL value.

Recommended Action:
Specify a VPL that has already been created.

%ATM-E-PEERADDRREQD

Explanation:
Internal error.

Recommended Action:
Peer IP required for VC-Multiplexed VCs.

%ATM-E-PORTBADMUX Cannot apply service with encap type vc-mux to PORT with multiple protocols associated.

Explanation:
An ATM VC with encap type vc-mux sends no protocol information over the wire. Because the protocol is determined from the VC, only IP or IPX can be configured over a VLAN or port that contains an ATM VC in vc-mux encap mode. This error is issued when applying a service definition with vc-mux encap type to a PORT with multiple protocols associated.

Recommended Action:
See that only one protocol is associated with this PORT.

%ATM-E-PORTDOESNOTEXIST   Port <at.*slot.port*> does not exist.

Explanation:
You specified a port that does not exist, or is not an atm. port.

Recommended Action:
Specify a different port.

%ATM-E-PORTHASINUSEVCLS Port has VCL <at.*slot.port.vpi.vci*> in use.

Explanation:
Internal Error

Recommended Action:
Remove VCLs before changing port settings.

%ATM-E-PORTHASSRVDEF   Service %s still applied to at.%d.%d

Explanation:
Internal Error

Recommended Action:
Remove existing service definition before applying a new one.

%ATM-E-PORTHASVCLS   Port <at.*slot.port*> has %d VCLs still created.

Explanation:
Internal Error

Recommended Action:
Remove VCLs before removing a port.

%ATM-E-POSTFAILED Port <at.*slot.port*>, POST failed - response = %08x.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-REGL2ADDR Port at.%d.%d, could not register this L2 address.

Explanation:
Internal Error

Recommended Action:
Contact customer support.

%ATM-E-SARACKERR Port <at.*slot.port*>, neither the ACK bit or the ERR bit is set.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARCHKSUMERR Port <at.*slot.port*>, bad checksum, found checksum %x, expected %x.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARCHKSUMTIMEOUT Port at.%d.%d, SAR time-out while waiting for checksum!

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARDOWNLOAD Port at.%d.%d, error while maker firmware download.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARERR0 Port at.%d.%d, time-out or SAR error during cfg fmk cmd.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARERR1 Port at.%d.%d, time-out or SAR error during ret fmk rev cmd.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARERR2 Port at.%d.%d, time-out or SAR error during add rx buff (pool0) cmd.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARERR3 Port at.%d.%d, time-out or SAR error during add rx buff (pool1) cmd.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARERR4 Port at.%d.%d, time-out or SAR error during ret cs rev cmd.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARERR5 Port at.%d.%d, time-out or SAR error during add rx indQ entries cmd.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARERR6 Port at.%d.%d, time-out or SAR error during open Phy cmd.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARERR7 Port at.%d.%d, time-out or SAR error during config CS-5 cmd.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARERR8 Port at.%d.%d, time-out or SAR error during create SAR cmd.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARERR9 Port at.%d.%d, time-out or SAR error during attach phy cmd.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARERR10

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARFILENAMEUNKNOWN Port at.%d.%d, could not get SAR filename to open.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARFILEOPENFAILED Port at.%d.%d, could not open the SAR file, error = %ld

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARFILEREADFAILED Port at.%d.%d, couldn't read the SAR file, error = %ld.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARLOADFAILEDNOMEM Port at.%d.%d, had a malloc failure.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARPOSTTIMEOUT Port at.%d.%d, SAR time-out while waiting for POST results!

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARSIZEUNKNOWN Port at.%d.%d, could not determine the size, error code %d.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SARTIMEOUT Port at.%d.%d, SAR time-out while waiting for the response!

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-SCRGRTRPCR PCR must be greater than or equal to SCR. Explanation:

Internal error.

Recommended Action:
PCR must be greater than or equal to SCR.

%ATM-E-SMTIMERCREATEERR Event Queue timer could not be created.

Explanation:
Internal Error

Recommended Action:
Notify customer support.

%ATM-E-SRVDEFNAMENOTFOUND The service definition name %s was not found

Explanation:
Internal Error

Recommended Action:
Reference a service definition that you previously created.

%ATM-E-SRVDEFOPENREF Service definition %s is currently applied, cannot be removed.

Explanation:
Internal Error

Recommended Action:
Negate the application of the service before removing the service.

%ATM-E-TOOMANYVCS Port at.%d.%d, too many VCs have been opened.

Explanation:
Internal error.

Recommended Action:
Use fewer VCs.

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

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-UNKNOWNCMD ATM command not recognized

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-VBRDEFINED Non VBR services cannot be applied to this vc. The vbr option must first be removed from the vc creation command line.

Explanation:
This error appears when the user tries to apply a non VBR service to a VC that was created specifying the 'vbr' option. VCs created with the 'vbr' option can only have VBR services applied to them. VCs created without the 'vbr' option can only have UBR and CBR services applied to them.

Recommended Action:
Recreate the VC **without** the vbr option specified.

%ATM-E-VBRNOTDEFINED VBR services can not be applied to this vc. The vbr option must first be specified upon creation of the vc.

Explanation:
This error appears when the user tries to apply a vbr service to a VC that was created without specifying the 'vbr' option. VCs created without the 'vbr' option can only have UBR and CBR services applied to them. VCs created with the 'vbr' option can only have VBR services applied to them.

Recommended Action:
Recreate the VC **with** the vbr option specified.

%ATM-E-VCCLOSETIMEOUT Port at.%d.%d, time-out during close for uhi %d.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-VCCLOSEERR Port at.%d.%d, error in VC table entry reset!

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-VCDISCREPENCY Port at.%d.%d, discrepancy, user handle index %d VC does not exist!

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-VCIOUTOFRANGE VCI %d is beyond supported VCI max %d

Explanation:
You specified VCI 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-VCLBADMUX Cannot apply service with encap type vc-mux to VCL with multiple protocols associated.

Explanation:
An ATM VC with encap type vc-mux sends no protocol information over the wire. Because the protocol is determined from the VC, only IP or IPX can be configured over a VLAN or port that contains an ATM VC in vc-mux encap mode. This error is issued when applying a service definition with vc-mux encap type to a VCL with multiple protocols associated.

Recommended Action:
See that only one protocol is associated with this VCL.

%ATM-E-VCLHASSRVDEF   Service %s still applied to at.%d.%d.%d.%d

Explanation:
Internal Error

Recommended Action:
Remove existing service definition before applying a new one.

%ATM-E-VCLMAXEXCEEDED Max VCLs exceeded on at.%d.%d, max = %d.

Explanation:
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-VCLNOTINSERTED VPI %d VCI %d could not be added.

Explanation:
You use an incorrect VCL value.

Recommended Action:
Use a different VCL value.

%ATM-E-VCLOUTOFRANGE VPI %d VCI %d is not in range of port VC mode.

Explanation:
You 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-VCLSINPEERADDR, Ports at.4.1.0.100 are referenced in a peer-address.

Explanation:
This message appears when a user attempts to negate a VCL assigned a peer-address.

Recommended Action:
Negate the peer-address related to the VCL, then negate the VCL.

%ATM-E-VCLSINVLAN, Ports at.4.1.0.100 are referenced in a vlan.

Explanation:
This error message appears when a user attempts to negate a VCL that is still assigned to a VLAN.

Recommended Action:
Users must negate the VLAN before negating the VCL.

%ATM-E-VCMODIFYSARERR Port at.%d.%d, uhi = %04X - SAR processing error param_id = %04X.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-VCOPENNOMEM Port at.%d.%d, memory could not be allocated in VC open.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

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

Explanation:
An error occurred while opening a VC on the ATM module

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-VCSTATEBAD Port at.%d.%d, fatal error - an illegal state value, %d.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ATM-E-VPIOUTOFRANGE VPI %d is beyond supported VPI max %d

Explanation:
You specified VPI is outside of the current range.
Recommended Action:

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-VPLBADMUX Cannot apply service with encap type vc-mux to VPL with multiple protocols associated.

Explanation:
An ATM VC with encap type vc-mux sends no protocol information over the wire. Because the protocol is determined from the VC, only IP or IPX can be configured over a VLAN or port that contains an ATM VC in vc-mux encap mode. This error is issued when applying a service definition with vc-mux encap type to a VPL with multiple protocols associated.

Recommended Action:
See that only one protocol is associated with this VPL.

%ATM-E-VPLHASSRVDEF Service %s still applied to at.%d.%d.%d

Explanation:
Internal Error

Recommended Action:
Remove existing service definition before applying a new one.

%ATM-E-VPLMAXEXCEEDED Max VPLs exceeded on at.%d.%d, max = %d.

Explanation:
You specified VPL 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-VPLNOTCLOSED VPL at.%d.%d.%d is open. Remove failure.

Explanation:
PL is still in use, referenced by an "interface create" command.

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

Explanation:
This message is displayed when the command being applied to a port that does not support this operation.

Recommended Action:
Enter a command that the port does support.

Chapter 7

Authentication
Error Messages

This chapter describes the error messages for the Authentication facility.

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 configured key-chain.

Recommended Action:
Change the name/id of the new 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 while defining an authentication method.

%AUTH-E-CHAINNOTSPECAuthentication method requires key-chain identifier.

Explanation:
This message appears when authentication method requires 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. The new key is a duplicate of another key.

Recommended Action:
Make sure that the new key is unique.

%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 appears repeatedly, contact Enterasys Technical Support.

%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-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 appears repeatedly, contact Enterasys Technical Support.

%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 appears repeatedly, contact Enterasys Technical Support.

Chapter 8

BGP Error Messages

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

Informational Messages

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

Explanation:
AS path specification is not entered correctly. Enter the correct AS path specification.

Recommended Action:
Informational message. No action required.

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

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-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.

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 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 must run version 3 or better.

Recommended Action:
Change the version for the IGP Peer to be version 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 for those peer.

%BGP-E-BADBGPVERRRF Route Reflection Clients must use BGP version 4 or better. %s is not a version 4 group.

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

Recommended Action:
Use BGP version 4 for the specified group if need to use route reflection client feature.

%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-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 named external group.

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

Explanation:
LocalPref is configured for an external group. This is not allowed.

Recommended Action:
Change the configuration—do not apply a Localpref to an external BGP group.

%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 group.

Recommended Action:
Remove the *setpref* metric from the external group.

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

Explanation:
Set-Pref option can only be used for Internal, routing or IGP host.

Recommended Action:
Since the peer-host belongs to the external group remove the Set-Pref Option.

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

Explanation:
Hold time is less than the minimum permitted.

Recommended Action:
Change the value of the configured 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:
Hold time for the named BGP peer is configured less than the minimum allowed.

Recommended Action:
Change the hold-time for the BGP Peer so that it is configured to be higher than the minimum allowed.

%BGP-E-BADHSTLOCALPREF LocalPref option for internal peer host <name> should be the same as used in the group <name>.

Explanation:
The LocalPref setting for a peer host cannot be different than that set for the peer group.

Recommended Action:
Set LocalPref on the peer group to match the setting assigned to the rest of the group.

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

Explanation:
Set-Pref setting for the internal, routing or IGP peer should be the same as that used for the group.

Recommended Action:
Change the Set-Pref setting for the specified group and peer host so that they are equal.

%BGP-E-BADINTVAL Interfaces may only be specified for (internal) routing groups. <Name> is not of group type routing

Explanation:
The peer-group type to which an interface value was added is not of type *routing*.

Recommended Action:
Change the peer-group type to *routing* if you wish to add interfaces or remove the interface parameter.

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

Explanation:
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-BADLOCALPREF if Localpref is set on one internal peer group, it must be set on all internal peer groups.

Explanation:
Localpref is not set on all peer groups.

Recommended Action:
Change all internal peer groups to use the same Localpref setting.

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

Explanation:
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:
Out delay option 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 out delay 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 routing group only.

Recommended Action:
Do not specify the IGP for the specified group.

%BGP-E-BADSETPREF If setpref is set on one IBGP group, it must be set on all IBGP groups. All setpref values must be identical on all IBGP groups.

Explanation:
If the setpref setting is used and more than one IBGP group (routing or internal) has been configured, users must configure setpref for all of these groups. The setpref value MUST be the same in each group.

Recommended Action:
When using setpref, make sure it has been set for each group and that each group uses the same value.

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

Explanation:
The peer AS (peer's autonomous system) 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 (local autonomous system) 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-GROUPEXISTS Group with Id \<name\> also has type \<group-type\> and \<number\>

Explanation:
An attempt was made to create a peer group that is identical to one that already exists.

Recommended Action:
Use existing group or create a new one.

%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 while 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:
Contact Enterasys Technical Support and discuss support for more groups.

%BGP-E-HOLDTEXISTS A hold time has already been configured for this peer

Explanation:
A user attempted to configure a hold time that has already been configured for this peer host.

Recommended Action:
To configure a new value, remove the old command from the active configuration.

%BGP-E-HOLDTEXISTSGR A hold time has already been configured for this group.

Explanation:
A user attempted to configure a hold time that has already been configured for this group of peers.

Recommended Action:
To configure a new value, remove the old command from the active configuration.

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

Explanation:
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 already created peer-host.

%BGP-E-HOSTNOTFOUND Peer host <name> not found in peer group <name>.

Explanation:
A peer host needs to be created before you can change values.

Recommended Action:
Check that the peer-host name is correct.

%BGP-E-HSTNOTESTABLISHED Peer host <name> connection is not established yet.

Explanation:
No peer information is available for this host. The connection between the peers has not yet been established.

Recommended Action:
If the connection does not reach the established state quickly, it is likely that a configuration error exists.

%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 peers *<number>* for Internal, IGP or Routing group does not match AS *<number>* of router

Explanation:
The peer AS (peer's autonomous system) 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 XP. Therefore BGP cannot run.

Recommended Action:
Correct the Errors in the configuration and submit the configuration to the router.

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

Explanation:
The local AS (local autonomous system) 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 larger of 1 and the *suppress-above* metric.

Recommended Action:
Set the *max-flap* metric to be larger of 1 and 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.

%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:
If you need support for more hosts, contact Enterasys Technical Support.

%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:
If you need support for more hosts, contact Enterasys Technical Support.

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

Explanation:
The specified network number already exists for the group.

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:
If you need support for more networks, contact Enterasys Technical Support.

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

Explanation:
The specified BGP group has neither any legal peer configured for it nor 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 error.

%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-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 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 BGP Start command.

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

Explanation:
BGP object has not yet been specified.

Recommended Action:
Specify the BGP object.

%BGP-E-PARSEERROR Bad AS Path regular expression

Explanation:
An error in the AS Path syntax was detected while parsing the configuration.

Recommended Action:
Check AS Path configuration entries in the configuration file.

%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:
Protocol should be configured for group types routing and IGP. Please configure the protocol for
the peer-group.

%BGP-E-REFLEXISTS A reflector-client configuration already exists for peer-group *<name>*

Explanation:
A user attempted to configure this peer-group with a reflector-client attribute that was already
configured.

Recommended Action:
To configure a new value, remove the old command from the active configuration.

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

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

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

%BGP-E-TMPFILEFAIL Failed to create temporary parse file

Explanation:
GateD was unable to create a temporary file on the internal flash.

Recommended Action:
It is likely that the internal flash is damaged or has become corrupted. Contact Enterasys Technical Support.

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

Explanation:
BGP Task is in deleted State.

Recommended Action:
Reboot the system. Contact Enterasys Technical Support.

%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 *Unreach-decay* time is 900 and the default value of *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 non-config mode is not completed. Activate BGP tracing from config mode.

Recommended Action:
Use the BGP tracing command in config 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 bgp create peer-group command.

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

Explanation:
The said BGP group has neither any peer configured for it nor 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.

Chapter 9

Chassis-Related Error Messages

This chapter describes the error messages that relate to the chassis.

Informational Messages

%CTRONCHASSIS-I-FANNORMAL fan operation normal

Explanation:
This message appears on a 6SSRM, when fan operation is normal

Recommended Action:
This message is for the user's benefit. No action is required.

%CTRONCHASSIS-I-PWRINSTALLED power supply # was installed

Explanation:
This message appears on a 6SSRM, when a power supply is turned on or inserted into a chassis.

Recommended Action:
This message is for the user's benefit. No action is required.

%CTRONCHASSIS-I-PWRNORMAL power supply # operation is normal

Explanation:
This message appears on a 6SSRM, when a power supply is turned on or inserted into a chassis and the operation is normal.

Recommended Action:
This message is for the user's benefit. No action is required.

%CTRONCHASSIS-I-PWRREDUNDENT power supply is redundant

Explanation:
This message appears on a 6SSRM, when a power supply is turned or inserted into a chassis, and a second power supply is present.

Recommended Action:
This message is for the user's benefit. No action is required.

Warning Messages

%CTRONCHASSIS-W-FANFAIL fan operation failure

Explanation:
This message appears on a 6SSRM, when the fan operation fails

Recommended Action:
Check Fans

%CTRONCHASSIS-W-PWRFAIL power supply # failure

Explanation:
This message appears on a 6SSRM, when a power supply is turned off or removed from a chassis.

%CTRONCHASSIS-W-PWRNOTREDUNDENT power supply is not redundant

Explanation:
This message appears on a 6SSRM, when a power supply is turned on or inserted into a chassis, and is the only power supply.

Recommended Action:
This message is for the user's benefit. No action is required.

%CTRONCHASSIS-W-PWRREMOVED power supply # was removed

Explanation:
This message appears on a 6SSRM, when a power supply is turned on or inserted into a chassis.

Fatal Messages

%CTRONCHASSIS-F-EVWAIT event wait failed with error '%d'

Explanation:
The specified event failed.

Recommended Action:
Contact Enterasys Technical Support.

%CTRONCHASSIS-F-TMRCREATFAIL timer creation failed with error '%d'

Explanation:
The timer creation failed.

Recommended Action:
Contact Enterasys Technical Support.

%CTRONCHASSIS-F-TMRSTARTFAIL failed to start timer '0x%x', error '%d'

Explanation:

This message appears when an internal error has occurred.

Recommended Action:

Reinstall the system software image. If the problem persists, please call Enterasys Technical Support.

Chapter 10

Native CLI Error Messages

This chapter describes the error messages for the Command Line Interface facility.

Informational Messages

%CLI-I-MONITOR_INHIBIT, Monitoring of console messages inhibited.

Explanation:
By default, console message monitoring is turned **on**. However, if the console appears to be flooded with repeating messages, the router automatically turns monitoring **off** and displays this message.

Recommended Action:
Once the flood of messages to the console stops, users may enable monitoring manually with the **cli terminal monitor on** command.

Note: Turning monitoring on manually before the flow of messages stops may render the active CLI session unusable.

Audit Messages

%CLI-A-COMMAND_EXEC "CLI command (%s) executed"

Explanation:
A user executed the CLI command listed.

Recommended Action:
Security audit message. No action necessary.

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:
 If you want to commit those changes, you should abort the log off and commit your changes.

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

Explanation:
The user is attempting to refer to an individual port which is part of a multi-port bundle for a command for which this is not allowed.

Recommended Action:
The required action depends of the particular command. Either remove the port from the multi-port bundle, or refer to the multi-port bundle itself in the command.

%CLI-W-INTRUNK port '<portname>' is part of SmartTRUNK '<name>'

Explanation:
This warning message is alerting the user to the fact that the specified port belongs to a SmartTRUNK. Depending on the operation of the command, this may or may not be allowed.

Recommended Action:
Make sure you really want to execute this command 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 the user specified will not have an effect on the module since the module doesn't exist.

Recommended Action:
Verify physical module exists in XP before attempting to configure the specified module.

%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:
None. Terminal monitoring is not necessary on the console as this output will appear there by default.

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

Explanation:
The user tried to recall a command that doesn't exist in the command history buffer.

Recommended Action:
Check command and re-enter.

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

Explanation:
During system initialization, this message is displayed if a particular port failed the self-test. The failed port is ignored.

Recommended Action:
Contact Enterasys Technical Support. You may have a bad port on one of your modules.

%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. This is simply a warning message indicating that the command the user specified will not have an effect on the port since the module doesn't exist.

Recommended Action:
Verify that the port exists in the XP before attempting to configure the specified port.

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 with an ATM port.

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

Explanation:
This error message is displayed when the user attempts 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 options and re-enter command.

%CLI-E-BADOPTMERGE, Unable to merge "*<configuration_command>*" with "*<configuration_command>*" - options '*<option_name>*' and '*<option_name>*' are mutually exclusive.

Explanation:
The CLI engine attempted to merge a new command with a command that already exists in the configuration database. Although the commands contain enough similar information that they cannot both exist as separate commands, they contain *mutually exclusive* options that cannot merge. For example, consider the **snmp set community** command. This command uses two options, *group* and *privilege*, but will support only one of these options at a time. If the **snmp set community PublicRead privilege read** command already exists in the database and you enter the **snmp set community PublicRead group PublicGroup** command to change from the "privilege" option to the "group" option, this error will occur—you cannot merge these options.

Recommended Action:
To change the options associated with the commands listed in this error message, you must negate the old command first. Then you may enter the new command with the new option(s).

%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, for example, a multicast address.

Recommended Action:
Specify a unicast address.

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

Explanation:
The user specified a command or reserved word that doesn't exist or is ambiguous.

Recommended Action:
Check to make sure that you typed in the command correctly. If there are multiple commands that match the specific command you typed (ambiguous command), enter additional characters of the command you want to clear the ambiguity.

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

Explanation:
The user specified a command or reserved word that doesn't exist or is ambiguous.

Recommended Action:
Check to make sure that you typed in the command correctly. If there are multiple commands that match the specific command you typed (ambiguous command), enter additional characters of the command you want to clear the ambiguity.

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

Explanation:
The user specified a command or reserved word that doesn't exist or is ambiguous.

Recommended Action:
Check to make sure that you typed in the command correctly. If there are multiple commands that match the specific command you typed (ambiguous command), enter additional characters of the command you want to clear the ambiguity.

%CLI-E-FAILED Execution failed for "filters add static-entry name test restriction allow source-mac 010000:000000 vlan 5 in-port-list gi.4.1 out-port-list gi.4.2"

Explanation:
The CLI did not allow the filter to be created because the VLAN does not exist.

Recommended Action:
Create a VLAN with ID 5 or change the Id in the filter to match the Id of an existing VLAN.

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

Explanation:
Insufficient memory for command history file.

Recommended Action:
System resources are limited. Upgrade memory size. If problem persists, contact Enterasys Technical Support.

%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 you 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-IPC_QUEUE   error in opening IPC queue for this session

Explanation:
An internal error occurred when initializing the CLI.

Recommended Action:
Contact Enterasys Technical Support.

%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 Enterasys Technical Support.

%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 valid 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 valid memory address.

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

Explanation:
The user specified a channel that doesn't 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:
Check to make sure that the command exists and that you didn't type in the wrong command.

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

Explanation:
You may have specified an invalid conditional expression. 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, these are valid conditional expressions: >1024 (greater than 1024), <1024 (less than 1024) and !=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:
Check to make sure that the parameter you entered agrees with the parameter type and value this command expects.

%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 0-9 and A-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 alphabets, period (.), dash (-) and underscore (_) 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:
You may have specified an IP address and mask pair in which the address and/or mask is invalid. 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 a 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:
Invalid CLI list.

Recommended Action:
Verify CLI list and re-enter command.

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

Explanation:
Invalid MAC address.

Recommended Action:
Try again with proper MAC address. Format of MAC address is xx:xx:xx:xx:xx:xx or xxxxxx:xxxxxx.

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

Explanation:
The mask was non-contiguous and this is not allowed.

Recommended Action:
Retry with a continuous mask.

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

Explanation:
Invalid module range.

Recommended Action:
Verify module range and re-enter a valid module range.

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

Explanation:
Invalid hostname or IP address.

Recommended Action:
Verify IP address is in correct format xxx.xxx.xxx.xxx, or the hostname is valid.

%CLI-E-IVNAMEIPLIST invalid host name and IP address list '%s'

Explanation:
The specified host name and IP address list is invalid. If more than one servers are configured, they need to be separated by space and are surrounded with a set of quotes. Each IP address must be in dotted-decimal-notion.

Recommended Action:
Specify the host name and IP address list using the required format.

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

Explanation:
Numerical value is not valid.

Recommended Action:
Verify numerical value and re-enter command with valid number.

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

Explanation:
Numerical value is larger than acceptable.

Recommended Action:
Verify numerical value and re-enter command with valid number.

%CLI-E-IVNUMLIST invalid numerical list '%s' (e.g. 1, 3-5, 6, 13-25)

Explanation:
Numerical list is not valid.

Recommended Action:
Verify numerical list and re-enter command with valid list.

%CLI-E-IVNUMRANGE invalid numerical range '%s' (e.g. 1 or 3-5)

Explanation:
Numerical range is not valid.

Recommended Action:
Verify numerical value and re-enter command with valid number. Numerical lists (e.g., 1, 3-6, 7-10) are not valid.

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

Explanation:
Numerical value is smaller than acceptable.

Recommended Action:
Verify numerical value and re-enter command with 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 numerical value and re-enter command with valid number.

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

Explanation:
The object instance of the CLI command is not valid.

Recommended Action:
Verify object instance and re-enter command with the 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 option value and re-enter command with 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 option value and re-enter command with valid option value.

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

Explanation:
The port range is not legal.

Recommended Action:
Ensure that you have a valid port range (1-8 for et) (1-2 for gi).

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

Explanation:
Port name is invalid.

Recommended Action:
Ensure you have a valid port name (e.g., et.1.2, gi.3.1) 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 you have a valid port range (1-8 for et) (1-2 for gi).

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

Explanation:
The port type is invalid.

Recommended Action:
Ensure you have a valid port type (et, gi, etc) and it is physically present.

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

Explanation:
The SAP server name is invalid.

Recommended Action:
Verify SAP server name and re-enter command with valid SAP server name.

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

Explanation:
The URL is invalid.

Recommended Action:
Verify URL and re-enter command with valid URL.

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

Explanation:
The specified VC range is illegal. Valid VC range is between 16-991.

Recommended Action:
Specify a VC range between 16-991.

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

Explanation:
The CLI list is too large.

Recommended Action:
Re-enter 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 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 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:
No CLI commands need to be this long. Check to see if your interface names are excessive in length.

%CLI-E-MISSING_VCI   Missing VCI specification

Explanation:
The user entered a port with no VCI specification for a command that requires a 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 for a command that requires a 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 command with 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 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 use **hs.3**.

Recommended Action:
Re-enter command with a WAN module only.

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

Explanation:
The CLI port name is too long.

Recommended Action:
Re-enter command with a valid port name (e.g., et.1.8).

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

Explanation:
The user specified an ATM port for a command that does not operate on an ATM port.

Recommended Action:
Do not specify an ATM port with this command.

%CLI-E-NODVMRPFAC, This command cannot be used when PIM has been configured

Explanation:
This message appears when PIM is configured and a user attempts to execute a DVMRP command.

Recommended Action:
Do not use DVMRP commands when PIM is enabled. To use DVMRP commands, you must first remove or comment out the PIM commands and reboot the router.

%CLI-E-NOFACINST no facility instance allowed

Explanation:
This CLI facility instance is invalid.

Recommended Action:
Re-enter command with proper syntax.

%CLI-E-NOMEM processing error - insufficient memory

Explanation:
Insufficient memory for operation.

Recommended Action:
System resources are limited. Upgrade memory size. If problem persists, contact Enterasys Technical Support.

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

Explanation:
The user specified an MLP port for a command for which this is not allowed.

Recommended Action:
Re-enter the command without the 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 command with the appropriate option.

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

Explanation:
The user specified a physical port when the command expects a SmartTRUNK port only.

Recommended Action:
Re-enter command with a SmartTRUNK port.

%CLI-E-NOPIMFAC, This command cannot be used when IGMP or DVMRP has been configured

Explanation:
This message appears when DVMRP or IGMP is configured and a user attempts to execute a PIM command.

Recommended Action:
Do not use PIM commands when DVMRP or IGMP is enabled. To use DVMRP commands, you must first remove or comment out the DVMRP or IGMP commands and reboot the router.

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

Explanation:
The user specified a SmartTRUNK when the command expects a physical port only.

Recommended Action:
Re-enter command with a physical port.

%CLI-E-NO_VC VC specification is not allowed

Explanation:
The user specified a VC for the WAN port but the command does not allow a VC to be specified.

Recommended Action:
Re-enter command with a WAN port without a VC

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

Explanation:
The user specified a WAN port when the command does not operate on a WAN port.

Recommended Action:
Re-enter 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 command with 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 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 command with the appropriate option.

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

Explanation:
The CLI command has an invalid keyword.

Recommended Action:
Try again with appropriate keyword.

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

Explanation:
The CLI command requires another option.

Recommended Action:
Re-enter 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 command with proper syntax.

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

Explanation:
The CLI port range is invalid.

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

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

Explanation:
Too many ports in CLI command.

Recommended Action:
Re-enter 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 for the VC.

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

Explanation:
The user specified a non-WAN port when this command expects a WAN port only.

Recommended Action:
Re-enter the command with a WAN port.

Chapter 11

Command Error Messages

This chapter describes the error messages for the Command facility.

Audit Messages

%COMMAND-A-ADD "Config command (%s) added to configuration"

Explanation:
A configuration command was added to the active configuration.

Recommended Action:
Security audit message. No action necessary.

%COMMAND-A-FAIL "Config command (%s) failed to execute"

Explanation:
A configuration command failed to execute when added to the active configuration.

Recommended Action:
Check the command options and syntax an try the command again.

%COMMAND-A-MOD "Config command (%s) modified existing command"

Explanation:
A configuration command in the active configuration was modified.

Recommended Action:
Security audit message. No action necessary.

%COMMAND-A-REM "Config command (%s) removed from configuration"

Explanation:
A configuration command was remove from the active configuration.

Recommended Action:
Security audit message. No action necessary.

Chapter 12

Common CLI Error Messages

This chapter describes the error messages for the Common CLI.

Warning Messages

%COMMON-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:
If you want to commit those changes, you should abort the log off and commit your changes.

%COMMON-W-CMDNONREMOVABLE Deletion of non-removable command(s) failed

Explanation:
The user is attempting to remove non-removable commands from the Active Configuration.

Recommended Action:
The commands cannot be removed from the Active Configuration. No action is necessary.

Error Messages

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

Explanation:
The user has entered a port list that is not a required ATM port list.

Recommended Action:
Replace the port list with an ATM port list.

%COMMON-E-CMDUNKNOWN unknown or ambiguous command '<command_name>'

Explanation:
The user specified a command or reserved word that doesn't exist or is ambiguous.

Recommended Action:
Check to make sure that you typed in the command correctly. If there are multiple commands that match the specific command you typed (ambiguous command), enter additional characters of the command you want to clear the ambiguity.

%COMMON-E-CMDUSERMODE command '<command_name>' not allowed in current mode

Explanation:
The user attempted to execute a command not allowed in the Common CLI mode the user is currently in.

Recommended Action:
Refer to the Common CLI Reference Manual to determine which Common CLI mode the command is allowed to execute in. Access the correct Common CLI mode and re-execute the command.

%COMMON-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.

%COMMON-E-FDDI_ONLY This command requires a FDDI port

Explanation:
The user has entered a port list that is not a required FDDI port list.

Recommended Action:
Replace the port list with a FDDI port list.

%COMMON-E-INVALIDHEX '<value>' Not a Hex value

Explanation:
The user entered an incorrect value for the hexadecimal parameter.

Recommended Action:
Re-enter the value in the correct hexadecimal format. Consult the Common CLI Reference Manual for the correct hexadecimal format.

%COMMON-E-INVALIDHEXRANGE value '%s' not in valid Hex Range

Explanation:
The user entered a hexadecimal value that was not within a specified range.

Recommended Action:
Re-enter the value within the correct hexadecimal range. The hexadecimal range can be determined through the Common CLI help facility, or reference the Common CLI Reference Manual.

%COMMON-E-INVALIDIFNAME Invalid interface name: '<value>'

Explanation:
The user has specified an incorrect interface name.

Recommended Action:
Check to make sure the interface with that name exists. Use the command show interfaces to get a complete list of available interfaces.

%COMMON-E-INVALIDINT '<value>' Not an Integer for Parameter '<parameter_name>'

Explanation:
The value entered by the user for the Parameter was not in an integer format.

Recommended Action:
Re-enter the value for the Parameter in an integer format.

%COMMON-E-INVALIDINTSET Invalid format <value> for Integer Set Parameter <parameter_name>

Explanation:
The value entered by the user for the Parameter was in an invalid format for an Integer Set (also known as a numerical range).

Recommended Action:
Re-enter the Integer Set value in the correct format. Consult the Common CLI Reference Manual for the correct format listed as a numerical range.

%COMMON-E-INVALIDIP Invalid IP address format '<value>'

Explanation:
The user entered an IP address in an invalid format.

Recommended Action:
Re-enter the IP address in the correct format. Consult the Common CLI Reference Manual for the correct IP address formats.

%COMMON-E-INVALIDIPX Invalid IPX address format '<value>': use form 'a1b2c3d4.abcd.efab.cdef'

Explanation:
The user entered an IPX address in the incorrect format.

Recommended Action:
Re-enter the IPX address in the correct format specified in the error message.

%COMMON-E-INVALIDMAC Invalid MAC address format '<value>'

Explanation:
The user entered a MAC address in an invalid format.

Recommended Action:
Re-enter the MAC address in the correct format. Consult the Common CLI Reference Manual for the correct MAC address formats.

%COMMON-E-INVALIDMACHEX Invalid hex-code '<hex_value>' in MAC address '<MAC_address>'

Explanation:
A part of the MAC address the user entered has an invalid hexadecimal value.

Recommended Action:
Re-enter the MAC address with the correct hexadecimal value. Consult the Common CLI Reference Manual for the correct MAC address formats.

%COMMON-E-INVALIDNAMEIP Invalid hostname or IP address format '<value>'

Explanation:
The user entered a hostname or IP address in an invalid format.

Recommended Action:
Re-enter the hostname or IP address in the correct format. Consult the Common CLI Reference Manual for the correct hostname or IP address formats.

%COMMON-E-INVALIDPARAM Invalid param, possible values for Parameter '<parameter_name>' '<value list>'

Explanation:
The user entered an invalid parameter value.

Recommended Action:
Re-enter the command with one of the correct parameter values listed in the error message.

%COMMON-E-INVALIDPORT Invalid port range: '<value>'

Explanation:
The user has entered an invalid range of port numbers.

Recommended Action:
Re-enter the correct range of port numbers. Consult the Common CLI Reference Manual for the correct format for a range of port numbers.

%COMMON-E-INVALIDPORTLIST Invalid port list: '<value>'

Explanation:
The user has entered the port list in an invalid format, or the specified ports in the list do not exist.

Recommended Action:
Re-enter the port list in the correct format, or check to see if the specified ports are valid. Consult the Common CLI Reference Manual for the correct format for a port list.

%COMMON-E-INVALIDRANGE value '<value>' not in valid Integer Range

Explanation:
The user entered an Integer or numeric value that was not within a specified range.

Recommended Action:
Re-enter the value within the correct numeric range. The numeric range can be determined through the Common CLI help facility, or reference the Common CLI Reference Manual.

%COMMON-E-INVALIDSLOT Invalid slot range: '<value>'

Explanation:
The user has entered an invalid range of slot numbers.

Recommended Action:
Re-enter the correct range of slot numbers. Consult the Common CLI Reference Manual for the correct format for a range of slot numbers.

%COMMON-E-INVALIDSTRING string length not more than <length> for '<parameter_name>'

Explanation:
The user entered a parameter string that exceeded the specified string length.

Recommended Action:
Re-enter the parameter string that is less or equal to the specified string length.

%COMMON-E-INVALIDVC Invalid VC range: '<value>'

Explanation:
The user has entered an invalid range of VC values.

Recommended Action:
Re-enter the correct range of VC values. Consult the Common CLI Reference Manual for the correct format for a range of VC values.

%COMMON-E-INVALIDVPI Invalid VPI range: '<value>'

Explanation:
The user has entered an invalid range of VPI values.

Recommended Action:
Re-enter the correct range of VPI values. Consult the Common CLI Reference Manual for the correct format for a range of VPI values.

%COMMON-E-LOGINFAILED Console login failed

Explanation:
This message appears when the console login failed.

Recommended Action:
Ensure you have the appropriate username and password.

%COMMON-E-MANDATORY Please enter all mandatory commands or parameters

Explanation:
The user executed a command without the entire mandatory commands and/or parameters.

Recommended Action:
Check to make sure all the necessary commands and/or parameters are present for the action you want to execute. Use the Common CLI help facility to determine what commands and/or parameters are mandatory.

%COMMON-E-MISSING_VCI Missing VCI specification

Explanation:
The user entered a port with no VCI specification for a command that requires a VCI specification.

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

%COMMON-E-MISSING_VPI Missing VPI specification

Explanation:
The user entered a port with no VPI specifications for a command that requires a VPI specification.

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

%COMMON-E-MODNOTFOUND \<module_type\>: module '\<module_number\>' does not exist

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

Recommended Action:
Verify physical module exists before attempting to configure the specified module.

%COMMON-E-MODULE_ONLY Please enter module specification only (e.g. hssi3)

Explanation:
The user has entered a port list instead of the required module name.

Recommended Action:
Replace the port list with the module name (e.g. hssi3).

%COMMON-E-NO_VC VC specification is not allowed

Explanation:
The user specified a VC for the WAN port but the command does not allow a VC to be specified.

Recommended Action:
Re-enter command with a WAN port without a VC.

%COMMON-E-NO_VCI VCI specification is not allowed

Explanation:
The user has entered a VCI specification that is not allowed for this command.

Recommended Action:
Consult the Common CLI Reference Manual to determine what is allowed for the command.

%COMMON-E-NO_VPI VPI specification is not allowed

Explanation:
The user has entered a VPI specification that is not allowed for this command.

Recommended Action:
Consult the Common CLI Reference Manual to determine what is allowed for the command.

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

Explanation:
The user has entered an ATM port name that is not a valid port name for the command.

Recommended Action:
Use the Common CLI help facility to determine the valid ports for the command, or consult the Common CLI Reference Manual.

%COMMON-E-NODATATYPE Datatype for the parameter '<value>' incorrect

Explanation:
The user has entered a parameter value that is not within the valid list of parameters for the current position within the command.

Recommended Action:
Use the Common CLI help facility to find out which types of parameters are available for the current position within the command.

%COMMON-E-NOMEM processing error - insufficient memory

Explanation:

Insufficient memory for operation.

Recommended Action:

System resources are limited. Upgrade memory size. If problem persists, contact Enterasys Technical Support.

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

Explanation:
The user has entered a multi-link ppp port group name instead of a physical port name. A physical port name is required.

Recommended Action:
Determine which physical ports are specified in the multi-link ppp port group. Use the physical port names when executing the command.

%COMMON-E-NOPHYPORT Physical port not allowed; <smart_trunk_port_name> port only

Explanation:
The user has entered a physical port name instead of a smart trunk port name. A smart trunk port name is required.

Recommended Action:
Determine which smart trunk the physical port belongs to. Use the smart trunk port name when executing the command.

%COMMON-E-NOPOS POS port not allowed for this command

Explanation:
The user has entered a POS port name that is not a valid port name for the command.

Recommended Action:
Use the Common CLI help facility to determine the valid ports for the command, or consult the Common CLI Reference Manual.

%COMMON-E-NOTIMPLEMENTED This command has not been implemented

Explanation:
The command executed is currently not implemented.

Recommended Action:
No action is necessary.

%COMMON-E-NOTRUNK <smart_trunk_port_name> port not allowed; physical port only

Explanation:
The user has entered a smart trunk port name instead of a physical port name. A physical port name is required.

Recommended Action:
Determine which physical ports are specified in the smart trunk. Use the physical port names when executing the command.

%COMMON-E-NOTSUPPORTED This command is not supported

Explanation:
The command executed is not currently supported.

Recommended Action:
No action is necessary.

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

Explanation:
The user has entered a WAN port name, which is not a valid port name for the command.

Recommended Action:
Use the Common CLI help facility to determine the valid ports for the command, or consult the Common CLI Reference Manual.

%COMMON-E-PARAMMISSING Missing value for '<parameter>'

Explanation:
The user executed a command without a value for the parameter.

Recommended Action:
Enter a value for the parameter. The value must be in the correct parameter format.

%COMMON-E-PORTBAD Port '<port_name>' not available

Explanation:
The user has entered a port name that does not exist.

Recommended Action:
Re-execute the command with a valid port name.

%COMMON-E-POS_ONLY This command requires a POS port

Explanation:
The user has entered a port list that is not a required POS port list.

Recommended Action:
Replace the port list with a POS port list.

%COMMON-E-SONET_ONLY This command requires a SONET port

Explanation:
The user has entered a port list that is not a required SONET port list.

Recommended Action:
Replace the port list with a SONET port list.

%COMMON-E-WAN_ONLY This command requires a WAN port

Explanation:
The user has entered a port list that is not a required WAN port list.

Recommended Action:
Replace the port list with a WAN port list.

Chapter 13

Configuration Error Messages

This chapter describes the error messages for the Configuration facility.

Informational Messages

%CONFIG-I-AREERASED ARE Blade '<number>' configuration erased

Explanation:
The configuration for the blade in the specified slot has been erased.

Recommended Action:
Informational Message. No action necessary.

%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-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.

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 Module.

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 Module.

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.

%CONFIG-W-STARTNOTACT, Warning-startup configuration commands are not active, reboot the system to make them active.

Explanation:
The start-up configuration commands are currently inactive.

Recommended Action:
Reboot the system.

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 does 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-CMDSMUTEX, The commands "<command1>" and "<command2>" cannot be active at the same time.

Explanation:
A user attempted to activate two commands that are mutually exclusive. Command <command1> and command <command2> may not be active at the same time.

Recommended Action:
Make only one of these commands active at a time.

%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 Enterasys Technical Support.

%CONFIG-E-INVLDMOVE   Invalid Source and or Destination

Explanation:
Source and or destination of comment line specified is invalid.

Recommended Action:
Verify that both source and destination were entered correctly.

%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-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-NOSTARTUPCFG, No startup configuration file found; disabling all ports

Explanation:
The system was unable to find a valid startup configuration file. When no startup configuration file exists, all ports default to an administratively "Down" state.

Recommended Action:
Check to see that a valid configuration file exists.

%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-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-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-PORTS_OVERLAP Port list in 'vlan add ports *<port_list>* to *<vlan_name>*' is overlapped with port list in 'vlan add ports *<port_list>* to *<vlan_name>*'

Explanation:
When you save a command in transit config into active config, the XP compares the command with the commands in active config to see if there is any port overlap between the port lists. If any commands of the same type have overlapping port lists, the XP will not allow you to save the command into active config.

For example:

```
xp(config)# sh
Running system configuration:
    !
    ! Last modified from Console on 2000-11-30 09:46:28
    !
 1 : vlan create vlan1 port-based id 10
 2 : vlan add ports et.7.5 to vlan1
xp(config)# vlan add ports et.7.* to vlan1
xp(config)# save ac
%CONFIG-E-PORTS_OVERLAP, Port list in 'vlan add ports et.7.* to vlan1'
is overlapped with port list in 'vlan add ports et.7.5 to vlan1'
```

Recommended Action:
Modify the new command to remove the overlap or remove the existing command before you save the new one.

%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 Enterasys Technical Support.

%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.

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 Enterasys Technical Support.

Chapter 14

Console Error Messages

This chapter describes the error messages for the Console facility.

Warning Messages

%CONS-A-LOGIN "Console user login"

Explanation:
A login failure occurred because a user incorrectly entered userid/password information.

Recommended Action:
Security audit message. No action necessary.

%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_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 Enabled mode password.

Recommended Action:
Retry with proper password or do nothing.

%CONS-W-AUTH_SUCCEED, contact TACACS+[or RADIUS] server failed: last-resort succeed

Explanation:
This message may appear for either of the following reasons:

1. The user did not allow the XP enough time to boot properly. Although the console may display the "*Press RETURN to activate console…*" message, the XP may still be bringing up interfaces or learning routes. If the AAA server's interface is not yet up, or the route has not yet been learned, the XP may give up attempts to communicate with the server and go to last resort.

2. The **accounting system info** option for the AAA server was activated and the deadtime value is set. On boot-up, the XP will attempt to send accounting messages to the AAA server; it will fail until the interface containing the XP has come up. If the deadtime value is set, the AAA server will be flagged as dead and the router will skip over it and go to last-resort.

Recommended Action:

*   Give the XP more time to boot-up (this may take longer with larger numbers of interfaces and/or more configuration).

*   If the AAA server is connected to the XP through multiple hops, attempt to bring the server closer to the router.

*   Increase the retry count.

*   If accounting system info is enabled, decrease the deadtime value.

Note: Until the system is fully booted, system messages will not be logged to the AAA server.

%CONS-W-BADPASSWD incorrect password

Explanation:
This message appears when you type in an incorrect password.

Recommended Action:
Retry with proper password.

Error Messages

%CONS-E-CONTROL_TIMER, NU_Control_Timer failed with status -26

Explanation:
This message appears when the XP cannot disable a console timer. Often, this occurs when the timer is invalid or does not exist. This message appears when the XP cannot disable a console timer (the XP creates and releases software timers as you execute commands at the console). If the XP cannot disable this timer, the worst that can happen is that a user session won't time out and disconnect the user. The router should continue to work correctly.

Recommended Action:
Contact Enterasys Technical Support.

%CONS-E-CREATE_TIMER, NU_Create_Timer failed with status -xx

Explanation:
This message appears when the XP cannot create a software timer for the console (the XP creates and releases software timers as you execute commands at the console). If the XP cannot create this timer, the worst that can happen is that a user session won't time out and disconnect the user. The machine should continue to work correctly.

Recommended Action:
Contact Enterasys Technical Support.

%CONS-E-DELETE_TIMER, NU_Delete_Timer failed with status -26

Explanation:
This message appears when the XP cannot delete a software timer for the console because the timer doesn't exist (the XP creates and releases software timers as you execute commands at the console). If the XP cannot delete this timer, the worst that can happen is that a user session won't time out and disconnect the user. The machine should continue to work correctly.

Recommended Action:
Contact Enterasys Technical Support.

%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 problem persists, contact Enterasys Technical Support.

%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-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 Enterasys Technical Support.

%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-RESET_TIMER, NU_Reset_Timer failed with status -26

Explanation:
This message appears when the XP is unable to refresh a console software timer (the XP creates and releases software timers as you execute commands at the console). If the XP cannot refresh this timer, the worst that can happen is that a user session won't time out and disconnect the user. The router should continue to work correctly.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 15

DDT Error Messages

This chapter describes the error messages for the DDT facility.

Informational Messages

%DDT-I-SNAKE_LOOPBACK %s Cascade Loopback: PASSED

Explanation:
This message appears during the SNAKE LOOPBACK diagnostic test (a manufacturing diagnostic that loops or snakes messages through every ports in a system) to inform users that a particular port is bad or that the loopback connector is not attached.

Recommended Action:
Informational message only, no action necessary.

Error Messages

%DDT-E-PKT_STAT %s

Explanation:
This message appears during the General Loopback Diagnostic test to inform users that the associated port is having trouble sending packets. Any of the following information will appear:

Low Receive Frame count not updated
Low Receive Bytes count doesn't match expected
Medium Receive Frame count not updated
Medium Receive Bytes count doesn't match expected
High Receive Frame count not updated
High Receive Bytes count doesn't match expected
Control Receive Frame count not updated
Control Receive Bytes count doesn't match expected

Recommended Action:
The port specified may be bad-replace the module with the bad port.

%DDT-E-SNAKE_LOOPBACK %s Cascade Loopback: (Slot %i, Port %i) : FAILED

Explanation:
This message appears during the SNAKE LOOPBACK diagnostic test (a manufacturing diagnostic that loops or snakes messages through every ports in a system) to inform users that a particular port is bad or that the loopback connector is not attached.

Recommended Action:
Check the loopback connector to ensure that it is connected properly. If the problem persists, replace the module with the bad port.

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

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

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

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

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

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

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

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

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

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

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

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

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

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

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

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%DDT-E-TSHP_TEST: ToolShop Test: PASSED

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%DDT-E-TSHP_TEST: ToolShop Test: FAILED

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 16

DHCP Error Messages

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

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 only, no action necessary.

%DHCPD-I-NOAVAIL DHCP discover from *<hardware address>* on *<subnet>*: no free leases

Explanation:
There are no free DHCP leases available on the subnet.

Recommended Action:
Informational message only, 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.

Warning Messages

%DHCPD-W-ADDRCONFLICT DHCP pool addr *<ip_address>* is also addr of interface *<interface_name>*

Explanation:
The IP address of a DHCP pool entry is already defined for this interface.

Recommended Action:
Although DHCP will continue to function, the user should remove the IP address from the DHCP pool.

Chapter 17

DVMRP Error Messages

This chapter describes the error messages for the Distance Vector Multicast Routing Protocol facility.

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.

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.

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-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 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, contact Enterasys Technical Support.

%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:
Contact Enterasys Technical Support.

%DVMRP-E-SYSTEM system error

Explanation:
This message is displayed when an internal error has occurred in the DVMRP service.

Recommended Action:
Contact Enterasys Technical Support.

%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.

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:
Contact Enterasys Technical Support.

%DVMRP-F-SEMAPHORE   Could not get semaphore at startup

Explanation:
This message is displayed if DVMRP is unable to acquire a system semaphore.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 18

ECC Error Messages

This chapter describes the error messages for the memory error-checking and correcting (ECC) facility.

Fatal Messages

%ECC-F-MBE ECC memory multi-bit error at address 0x<hex_number>

Explanation:
This message appears when the memory error-checking and correcting (ECC) mechanism detects a memory location with more than one bit in error. If the router detects a single-bit error, the ECC mechanism will correct the error automatically—if more than one bit is in error, it cannot be corrected.

Recommended Action:
If problem persists, the memory DIMM may be damaged or defective. Contact Enterasys Technical Support.

%ECCMEM-F-512MB_JP2 Install jumper JP2 to run 512MB memory

Explanation:
This message appears when 512MB of memory is installed in an ER16-CM4-256 and the jumper JP2 is missing. Support for 512MB of CPU memory on the ER16-CM4 requires that users install jumper JP2.

Recommended Action:
Install jumper JP2.

%ECCMEM-F-512MB_JP1 Remove jumper JP1 to run 512MB memory

Explanation:
This message appears when 512MB of memory is installed in an SSR-CM4-256 and the jumper JP1 is installed. Support for 512MB of CPU memory on the SSR-CM4-256 requires that users remove jumper JP1.

Recommended Action:
Remove jumper JP1.

%ECCMEM-F-LISRFAIL failed to register driver LISR, sts=0x<hex_number>

Explanation:
This message appears when the system fails to allocate resources for interrupt handling routines.

Recommended Action:
Increase the amount of memory available in the Control Module. If problem persists, contact Enterasys Technical Support.

%ECCMEM-F-NOHISMEM not enough memory to allocate ECC history

Explanation:
This message appears when the system fails to allocate resources for tracking ECC history.

Recommended Action:
Increase the amount of memory available in the Control Module. If problem persists, contact Enterasys Technical Support.

Chapter 19

ERR Error Messages

This chapter describes error messages you may encounter that were designed for internal use only.

Informational Messages

%ERR-I-UNMAPDERR, unmapped system error number 'x' (Caller=0x81657890) Software Version: Ex.x.x.x

Explanation:
While attempting to print one of the informational messages found in this manual an error was encountered. Because of the error the message could not be printed. The severity of this message matches the severity of the message that would have been printed.

Recommended Action:
Contact Enterasys Technical support with the full error message and your System Firmware version An informational event occurred but an information definition is not available.

Warning Messages

%ERR-W-SYSLOG_MSG_Q_FULL, unsent message queue is full – the oldest x messages were deleted

Explanation:
The number of unsent Syslog messages exceeded the maximum number allowed. The XP deleted the oldest messages to make room for any new messages added to the queue. This process will repeat until the XP is able to send the messages to the Syslog server. This message can also indicate a potential misconfiguration in the network that makes the syslog server unreachable.

Recommended Action:
Determine the status of the syslog server—if the server is reachable, the XP will begin sending the messages shortly.

%ERR-W-UNMAPDERR, unmapped system error number 'x' (Caller=0x81657890) Software Version: Ex.x.x.x

Explanation:
While attempting to print one of the warning messages found in this manual an error was encountered. Because of the error the message could not be printed. The severity of this message matches the severity of the message that would have been printed.

Recommended Action:
Contact Enterasys Technical support with the full error message and your System Firmware version An informational event occurred but an information definition is not available.

Error Messages

%ERR-E-IVARGCNT, invalid argument count for error '%XXX-X-XXX'

Explanation:
The number of parameters needed to print the error message didn't match the number supplied.

Recommended Action:
Contact Enterasys Technical support with the full error message and your system firmware version. Refer to the specific message listed for additional information.

%ERR-E-SYSLOG_Q_SEND_FAIL, SysLog Queue send failed

Explanation:

While attempting to send a syslog message to the unsent message queue, the mechanism used to activate the send task failed. If the SYSLOG server is unreachable, error events may overrun the error log queue. This will cause this message to print repeatedly and may result in a CM failover.

Recommended Action:
Contact Enterasys Technical support.

%ERR-E-SYSLOG_TMR_EXPIRED, Syslog timer expired without waking up the syslog task

Explanation:
A watchdog timer expired and an attempt to reschedule the syslog task failed. The XP will send any messages remaining in the unsent message queue with the next error message it sends to the syslog server.

Recommended Action:
Reboot the router. If the problem persists, contact Enterasys Technical Support.

%ERR-E-UNMAPDERR, unmapped system error number 'x' (Caller=0x81657890) Software Version: Ex.x.x.x

Explanation:
While attempting to print one of the error messages found in this manual an error was encountered. Because of the error the message could not be printed. The severity of this message matches the severity of the message that would have been printed.

Recommended Action:
Contact Enterasys Technical support with the full error message and your System Firmware version An informational event occurred but an information definition is not available.

Fatal Messages

%ERR-F-UNMAPDERR, unmapped system error number 'x' (Caller=0x81657890)

Explanation:
While attempting to print one of the fatal messages found in this manual an error was encountered. Because of the error the message could not be printed. The severity of this message matches the severity of the message that would have been printed.

Recommended Action:
Contact Enterasys Technical support with the full error message and your System Firmware version An informational event occurred but an information definition is not available.

%ERR-F-IVARGCNT, invalid argument count for error '%XXX-X-XXX'

Explanation:
The number of parameters needed to print this fatal message didn't match the number supplied.

Recommended Action:
Contact Enterasys Technical support with the full message and your system firmware version. Refer to the specific message listed for additional information.

Unknown Messages

%ERR-U-UNMAPDERR, unmapped system error number 'x' (Caller=0x81657890) Software Version: Ex.x.x.x

Explanation:
While attempting to print one of the unknown messages found in this manual an error was encountered. Because of the error the message could not be printed. The severity of this message matches the severity of the message that would have been printed.

Recommended Action:
Contact Enterasys Technical support with the full error message and your System Firmware version An informational event occurred but an information definition is not available.

Chapter 20

10Base-T Ethernet Driver Error Messages

This chapter describes the error messages for the 10Base-T Ethernet Driver facility.

Informational Messages

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

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

Recommended Action:
None.

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

Explanation:
This message is displayed when the interface has been started.

Recommended Action:
None.

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

Explanation:
This message is displayed when the interface has been stopped.

Recommended Action:
None.

Warning Messages

%ETH-W-BADTRLOFF %s%d: bad trailer offset %d>=ETHERMTU

Explanation:
Received packet with illegal header. Bad trailer encapsulation offset.

Recommended Action:
Utilize traffic diagnostic tools in order to locate the offending sender.

%ETH-W-BADTRLOFF1 %s%d: bad trailer, toff=%d tlen=%d plen=%d

Explanation:
Received packet with illegal header. Bad trailer encapsulation header information.

Recommended Action:
Utilize traffic diagnostic tools in order to locate the offending sender.

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

Explanation:
Packet received off the network was larger than legal ethernet size.

Recommended Action:
Use packet sniffing tool to determine which host is sending illegal frames.

%ETH-W-QSENDFULL queue is full, sts=%d

Explanation:
Received full queue message when trying to send buffer to diagnostics en0 queue during dec21143 diagnostics interrupt service routine.

Recommended Action:
Diagnose the amount of traffic utilizing the en0 port of the control module.

Error Messages

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

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

Recommended Action:
Replace the Control Module.

%ETH-E-DIAGQ Couldn't create DIAGNOSTIC Queue, sts=0x%x, qptr=0x%x

Explanation:
Couldn't create a queue for the diagnostics of the en0 port during startup.

Recommended Action:
Contact Enterasys Technical Support.

%ETH-E-NOTFDS insufficient transmit buffers

Explanation:
Insufficient transmit buffers in 10Base-T port.

Recommended Action:
This is mostly a transient error message and has no detrimental effect on the system. However, if the condition persists, contact Enterasys Technical Support.

Fatal Errors

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

Explanation:
This is an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%ETH-F-INITFAIL 10Base-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 Enterasys Technical Support.

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

Explanation:
System is running low on DRAM.

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

%ETH-F-QSENDFAIL failed to send on queue, sts=%d

Explanation:
Failed to send buffer to diagnostics en0 queue during dec21143 diagnostics interrupt service routine.

Recommended Action:
Contact Enterasys Technical Support.

%ETH-F-TOOMANYINTFS %d is too many interfaces to configure (max. %d)

Explanation:
Too many ethernet units are attached. Cannot initialize ethernet during startup.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 21

FDDI Error Messages

This chapter describes the error messages for the Fiber Distributed Data Interface (FDDI) facility.

Informational Messages

%FDDI-I-FW_DATE Module *<mod_id>* Firmware date *<date>*

Explanation:
This informational message displays information about the firmware on the on-board FDDI module processor. It is displayed each time the module is initialized.

Recommended Action:
None.

%FDDI-I-FW_DESC Module *<mod_id>* Firmware description '*<string>*'

Explanation:
This informational message displays information about the firmware on the on-board FDDI module processor. It is displayed each time the module is initialized.

Recommended Action:
None.

%FDDI-I-FW_HOST Module *<mod_id>* Firmware build host *<hostname>*

Explanation:
This informational message displays information about the firmware on the on-board FDDI module processor. It is displayed each time the module is initialized.

Recommended Action:
None.

%FDDI-I-FW_USER Module *<mod_id>* Firmware build user *<username>*

Explanation:
This informational message displays information about the firmware on the on-board FDDI module processor. It is displayed each time the module is initialized.

Recommended Action:
None.

%FDDI-I-MODULE_MSG Module *<mod_id>* Firmware version *<string>*

Explanation:
This informational message displays the version for the firmware that executes on the on-board processor of the FDDI module. It will be displayed each time the module is initialized. This version is not the version of the firmware that executes on the XP.

Recommended Action:
None.

Warning Messages

%FDDI-W-AUTO_FLASH Module *<mod_id>* automatic flash update from *<string>* to *<string>*

Explanation:
The on-board FDDI module processor gets its firmware from a flash. The firmware for this flash will be automatically updated if the main firmware image requires a different version.

Recommended Action:
None.

%FDDI-W-AUTO_YORK_PROGRAM Module *<mod_id>* automatic Yorktown FPGA update from *<string>* to *<string>*

Explanation:
This message is displayed when the FPGA that converts FDDI frames to Ethernet frames is being loaded with a new program.

Recommended Action:
None

%FDDI-W-REINIT_MODULE Module *<value>* must be re-initialized

Explanation:
This warning message usually occurs after a hot swap. It indicates that the FDDI module must be reinitialized. This message appears in conjunction with another message indicating an error condition that has reset the module.

Recommended Action:
Examine the error message previous to this message for the root cause of the reset.

Error Messages

%FDDI-E-BAD_FLASH_MAGIC Module *<mod_id>* Invalid flash magic number '*<number>*'

Explanation:
This error indicates that the firmware used by on-board FDDI processor does not have the correct signature.

Recommended Action:
This error can be resolved by loading new valid firmware.

%FDDI-E-BAD_FLASH_SUM Module *<mod_id>* Invalid flash checksum

Explanation:
This error indicates that the firmware used by on-board FDDI processor does not have the correct checksum.

Recommended Action:
This error can be resolved by loading new valid firmware.

%FDDI-E-FDDI_MODE SAS stations are not allowed to be in DAS/SAC mode

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-FLASH_CORRUPTED Module < *<mod_id>*> flash, *<string>* is corrupted

Explanation:
This error message occurs when the flash is being updated.

Recommended Action:
Repeat flash update.

%FDDI-E-FLASH_CRC Module < *<mod_id>*> flash, *<string>* has bad CRC

Explanation:
This error message occurs when the flash is being updated.

Recommended Action:
Repeat flash update.

%FDDI-E-FLASH_ERASE Module < *<mod_id>*> flash erase error

Explanation:
This error message occurs when the flash is being updated.

Recommended Action:
Repeat flash update.

%FDDI-E-FLASH_NOT_SREC Module *<mod_id>* flash, *<string>* is not an SREC file

Explanation:
This error message occurs when the flash is being updated.

Recommended Action:
Repeat flash update.

%FDDI-E-FLASH_PROGRAM Module < *<mod_id>*> flash programming error

Explanation:
This error message occurs when the flash is being updated.

Recommended Action:
Repeat flash update.

%FDDI-E-FLASH_SREC_LOAD Module < *<mod_id>*> flash, problem opening *<string>*

Explanation:
This error message occurs when the flash is being updated.

Recommended Action:
Repeat flash update.

%FDDI-E-FLASH_VERIFY Module < *<mod_id>*> flash verify error

Explanation:
This error message occurs when the flash is being updated.

Recommended Action:
Repeat flash update.

%FDDI-E-HEARTBEAT_LOST Module *<mod_id>* lost heartbeat, fault = *<value>*

Explanation:
This error message indicates that the XP processor has not received a heartbeat "I am alive" message from the on-board FDDI processor.

Recommended Action:
This is a recoverable error that will cause the module to be reinitialized.

%FDDI-E-INIT_HUGHES Module *<mod_id>* - Hughes FPGA not programmed

Explanation:
This error message indicates that the FPGA that controls the FDDI module is not programmed, indicating a manufacturing error on the module.

Recommended Action:
Contact Enterasys Technical Support.

%FDDI-E-INIT_MODULE Module *<mod_id>* not initialized

Explanation:
This error message indicates that a particular FDDI module has not initialized properly. It will appear in conjunction with another message indicating the specific error that has occurred. Other functional FDDI modules will remain operational.

Recommended Action:
Contact Enterasys Technical Support.

%FDDI-E-INIT_SYSTEM Initialization failed, all FDDI modules unusable

Explanation:
This error message indicates that the entire FDDI subsystem could not be initialized and that all FDDI modules will not be operational. This error is caused by a lack of system resources.

Recommended Action:
Contact Enterasys Technical Support.

%FDDI-E-INIT_TASK Task creation in '*<string>*' status *<status_id>*

Explanation:
This error indicates a task creation failure caused by a lack of system-level resources.

Recommended Action:
Contact Enterasys Technical Support.

%FDDI-E-INIT_TIMER Timer creation in '*<string>*' status *<status_id>*

Explanation:
This error indicates a timer creation failure caused by a lack of system-level resources.

%FDDI-E-INIT_YORK Module *<mod_id>* - Yorktown FPGA not programmed

Explanation:
This error message indicates that the FPGA that controls the translation of FDDI frames to Ethernet frames is not programmed, indicating a manufacturing error on the module.

Recommended Action:
Replace the module.

%FDDI-E-IPC_SEQUENCE IPC sequence on module *<mod_id>*, expected *<value>*, received *<value>*

Explanation:
This error message indicates that inter-processor communication (IPC) between the XP processor and the on-board FDDI processor has detected an inconsistency.

Recommended Action:
This is a recoverable error that will cause the module to be reinitialized. Monitor module reinitialization.

%FDDI-E-MAC_MA_UNIT_ENAB Set to ma unit data enable failed for port *<port_id>*

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-MAC_T_REQ Set to treq failed for port *<port_id>*

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-NO_REPLY Module *<mod_id>* did not reply to initialization, checkpoint = *<value>*, fault = *<value>*

Explanation:
This error message indicates that the XP requested the on-board FDDI processor to perform its system initialization but the processor did not complete its initialization. The checkpoint and fault values will indicate the partial completion or the detected error code for the on-board FDDI processor.

Recommended Action:
Contact Enterasys Technical Support.

%FDDI-E-PATH_MAX_T_REQ Set to max treq failed for port *<port_id>*

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-PATH_T_MAX_LB Set to tmax lower bound failed for port *<port_id>*

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-PATH_TVX_LB Set to tvx lower bound failed for port *<port_id>*

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-PORT_LER_ALARM Set to ler alarm failed for port *<port_id>*

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-PORT_LER_CUTOFF Set to ler cutoff failed for port *<port_id>*

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-POST_FAIL Module *<mod_id>* failed POST status = *<status_id>*

Explanation:
This error message indicates that the "power on self test" (POST) has detected an internal hardware failure on the FDDI module.

Recommended Action:
Contact Enterasys Technical Support.

%FDDI-E-SMT_CONN_POL Set to connection policy failed for port *<port_id>*

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-SMT_STAT_RPT_POL Set to status reporting policy failed for port *<port_id>*

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-SMT_T_NOTIFY Set to tnotify failed for port *<port_id>*

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-SMT_TRACE_MAX_EXP Set to trace max expiration failed for port *<port_id>*

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-SMT_USER_DATA Set to userdata failed for port *<port_id>*

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-TRANS_APPLETALK_ARP Appletalk ARP frames can only be translated to 802.3 Snap or Ethernet II frames

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-TRANS_IPX IPX Snap frames can only be translated to Ethernet II or 802.3 Raw IPX frames

Explanation:
This error message is generated in response to user configuration errors.

Recommended Action:
Correct configuration error as indicated.

%FDDI-E-YORK_FILE Module *<mod_id>* Yorktown FPGA, problem opening *<string>*

Explanation:
This error message indicates that an attempt to update the FPGA that controls the translation of FDDI to Ethernet frames has failed due to a failed file operation.

Recommended Action:
Contact Enterasys Technical Support.

%FDDI-E-YORK_PROGRAM Unable to update module *<mod_id>* Yorktown FPGA from *<string>* to *<string>*

Explanation:
This error message indicates that an attempt to update the FPGA that controls the translation of FDDI to Ethernet frames has failed due to a programming error on the FPGA.

Recommended Action:
Contact Enterasys Technical Support.

Fatal Messages

%FDDI-F-IPC_ADDR_ALIGN IPC address out of alignment *<value>*

Explanation:
This error indicates that the XP processor has made an invalid request to the on-board FDDI processor. This indicates an internal inconsistency within the XP firmware and will cause the entire XP to reboot.

Recommended Action:
Contact Enterasys Technical Support.

%FDDI_F-IPC_ADDR_RANGE IPC address out of range *<value>*

Explanation:
This error indicates that the XP processor has made an invalid request to the on-board FDDI processor. This indicates an internal inconsistency within the XP firmware and will cause the entire XP to reboot.

Recommended Action:
Contact Enterasys Technical Support.

%FDDI-F-IPC_ARG IPC *<string>* bad arg *<value>* = *<value>*

Explanation:
This error indicates that the XP processor has made an invalid request to the on-board FDDI processor. This indicates an internal inconsistency within the XP firmware and will cause the entire XP to reboot.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 22

GARP Error Messages

This chapter describes the error messages for the GARP facility.

Informational Messages

%GARP-I-APPSTCHNG Applicant state change: Port *\<port\>*, Attr Type: *\<number\>*, Attr Value: *\<number\>*, Event: *\<event\>*, Old State: *\<old_state\>*, New State: *\<new state\>*

Explanation:
This message appears when GARP State Machines debugging has been turned on and there is an applicant state change.

Recommended Action:
Informational message. No action necessary.

%GARP-I-REGSTCHNG Registrar state change: Port *\<port\>*, Attr Type: *\<number\>*, Attr Value: *\<number\>*, Event: *\<event\>*, Old State: *\<old_state\>*, New State: *\<new state\>*

Explanation:
This message appears when GARP State Machines debugging has been turned on and there is a registrar state change.

Recommended Action:
Informational message. No action necessary.

%GARP-I-TIMER_SET GARP timers set. Leaveall = *\<leaveall_timer\>*, Join = *\<join_timer\>* for *\<port_list\>*.

Explanation:
This message appears when the timers for GARP are set.

Recommended Action:
Informational message. No action necessary.

Warning Messages

%GARP-W-NOSTDEBUG Can not debug State Machines if Join Timer is less than *\<number\>*

Explanation:
This error message appears when turning on GARP State Machines debugging and the join timer is less than number specified.

Recommended Action:
Change the join timer to the value specified.

Error Messages

%GARP-E-BAD_TIMERS Wrong GARP timer values. Timers should satisfy the following relationship: Leave >= Join * 3 and LeaveAll > Leave

Explanation:
This error message appears when the timer values specified are invalid.

Recommended Action:
Make sure the timer values satisfy the following relationship: Leave >= Join * 3 and LeaveAll > Leave.

%GARP-E-NOMEM No memory to send GARP PDU

Explanation:
This error message appears when the XP has run out of free memory.

Recommended Action:
Add more memory to the XP Control Module.

%GARP-E-XMTQFULL Cannot send GARP PDU, transmit queue is full

Explanation:
This error message appears when GARP cannot send out a PDU because the transmit queue is full.

Recommended Action:
Reduce traffic to free up the transmit queue.

Chapter 23

GateD Global Error Messages

This chapter describes the error messages for the GateD Parent facility.

Informational Messages

%GATED-I-NOROUTE No route to destination

Explanation:
The XP Routing Information Base does not have any route to the specified prefix.

Recommended Action:
Reenter the command with a different prefix.

%GATED-I-RECONFIGDONE Reinitializing (pid 0x*<hex_number>*) done at *<number>*

Explanation:
This message displays the process ID and the time at which the XP routing process was reinitialized to handle any new configuration.

Recommended Action:
This message is for the user's benefit. No action is required.

%GATED-I-START Started (pid 0x*<hex_number>*) on *<name>*

Explanation:
This message displays the process ID and the time at which the XP routing process was initiated.

Recommended Action:
This message is for the user's benefit. No action is required.

Warning Messages

%GATED-W-BADLOGIN GII login failed from %s

Explanation:
Examine some of the tables maintained by the routing process using the GII utility. The XP Routing Process prints this message on the console when a user 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.

Error Messages

%GATED-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:
Contact Enterasys Technical Support.

%GATED-E-ADVNULL4IMPGAGGR Policy element null for implicit aggregate route

Explanation:
This error message is displayed when the XP routing process detects an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-CFGOPENFAIL GateD cannot open the configuration file.

Explanation:
This error message is displayed when the XP routing process is unable to open its configuration file.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-CFGPARSEERR GateD configuration file had parse errors.

Explanation:
This error message is displayed when the XP routing process encounters errors/corruption in its configuration file.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-CLNTCONFAIL Cannot connect to console server (client *<client_id>* error = *<number>*)

Explanation:
This error message is displayed when the XP experiences a connection failure in one of its routing process display commands.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-CLNTOPENFAIL Cannot open GateD console-client socket (error = *<number>*)

Explanation:
This error message is displayed when the XP experiences a failure trying to open a socket in one of its routing process display commands.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-CONSFDOPENFAIL Fdopen failed for console connection *<number>*

Explanation:
This error message is displayed when the XP fails to open a file mapped to the specified socket during its routing process.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-CONSREADFAIL Cannot read from console socket *<socket_id>* (error = *<number>*)

Explanation:
This error message is displayed when the XP experiences a "socket read" operation failure in its routing process.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-DMIATTACHEDNULL DMI attached null for implicit aggregate route

Explanation:
This error message is displayed when the XP routing process detects an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-DMIEXTAGGRMISMATCH DMI external 0x%x not equal to aggr_adv 0x%x

Explanation:
This error message is displayed when the XP routing process detects an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-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.

%GATED-E-EXIT Exited (pid 0x*<hex_number>*) at *<number>*

Explanation:
This error message displays the process ID and the time at which the XP routing process failed (exited) due to internal error.

Recommended Action:
Contact Enterasys Technical Support.

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

Explanation:
System resources are limited and the GateD Parent system facility failed to initialize.

Recommended Action:
Increase system memory and if problem persists, contact Enterasys Technical Support.

%GATED-E-GET_SEMA4 GateD cannot get link_semaphore

Explanation:
GATED was unable to obtain a semaphore. This semaphore protects a shared data structure between STP and GATED that passes link-state/vlan information to the multicast portion of GATED.

Recommended Action:
Contact Enterasys Support.

%GATED-E-GIICHANGE Unable to schedule GII

Explanation:
An error occurred in CLI command, enabling or disabling the GateD interactive interface (gii) port 616. This port should be enabled for debugging purposes only.

Recommended Action:
Verify format of the offending command.

%GATED-E-GIICLEANUP Failed to GII Socket

Explanation:
GateD task shutdown occurring—cannot close task stream socket. An error may have occurred on the socket.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-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).

%GATED-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.

%GATED-E-INVCONSSLOT Invalid console slot (*<number>*). Max *<number>*.

Explanation:
This error message is displayed when the XP experiences an internal error in its routing process.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-INVMASK Mask specified is invalid.

Explanation:
This message appears when you perform a **show gated** or **show BGP route** command. The mask found in the route table is invalid.

Recommended Action:
Verify that static and configured routes are represented correctly.

%GATED-E-IOCTLFAIL ioctl returned (*<number>*) for *<number>*

Explanation:
This error message is displayed when the XP experiences a "socket ioctl" operation failure in its routing process.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-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 XP routing process.

Recommended Action:
Deactivate any unnecessary connections, then activate the new one.

%GATED-E-NOAGGRGHEAD No aggregate head rt (0x%x) rth (0x%x)

Explanation:
This error message is displayed when the XP routing process detects an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-NOAGGRGHEADPLCY No aggregate head rt (0x%x) rth (0x%x) policy elem (0x%x)

Explanation:
This error message is displayed when the XP routing process detects an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-NOAGGRRADVDST No aggregate route in policy elem (0x%x) flag (0x%x)

Explanation:
This error message is displayed when the XP routing process detects an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-NOAGGRRADVLIST No aggregate route in policy elem (0x%x) flag (0x%x)

Explanation:
This error message is displayed when the XP routing process detects an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-NOAGGRROUTE No aggregate route in policy elem (0x%x) flag (0x%x)

Explanation:
This error message is displayed when the XP routing process detects an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-NOSUCHTASK Task does not exist.

Explanation:
This error message is displayed when the user instructs the XP 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.

%GATED-E-NUMOFCCONNERR Numof active console connections mismatch (max *<number>* cur *<number>*)

Explanation:
This error message is displayed when the XP experiences an internal error in its routing process.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-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, contact Enterasys Technical Support.

%GATED-E-REL_SEMA4 GateD cannot release link_semaphore

Explanation:
GATED was unable to release a semaphore. This semaphore protects a shared data structure between STP and GATED that passes link-state/vlan information to the multicast portion of GATED.

Recommended Action:
Contact Enterasys Support.

%GATED-E-SNMPEVTNOTIFY Error sending SNMP event (status=<*number*>)

Explanation:
This message is displayed when an SNMP request to access GateD-related information failed.

Recommended Action:
Try performing the SNMP request again. If this message displays repeatedly, contact Enterasys Technical Support.

%GATED-E-SNMPIFINUSE Snmp interface is in use (action=<*number*>).

Explanation:
This message is displayed because only 1 SNMP reader may access GateD's tables at a time.

Recommended Action:
Serialize SNMP requests to GateD's tables.

%GATED-E-SNMPRSPNOTIFY Error sending SNMP response (status=*<number>*)

Explanation:
This message is displayed when an SNMP request to access GateD-related information failed.

Recommended Action:
Try performing the SNMP request again. If this message displays repeatedly, contact Enterasys Technical Support.

%GATED-E-SNMPTMO No SNMP response from Gated (status=*<number>*)

Explanation:
This message is displayed when an SNMP request to access GateD-related information failed.

Recommended Action:
Try performing the SNMP request again. If this message displays repeatedly, contact Enterasys Technical Support.

%GATED-E-SSOCKOPTFAIL Set socket option returned (*<number>*) for *<number>*

Explanation:
This error message is displayed when the XP fails to set a socket option in its routing process.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-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 XP routing process to perform an operation for which the corresponding sub-task is in the deleted state.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-E-WRITEFAIL Write socket returned (*\<number\>*) for *\<number\>*

Explanation:
This error message is displayed when the XP experiences a "socket write" operation failure in its routing process.

Recommended Action:
Contact Enterasys Technical Support.

Fatal Messages

%GATED-F-ASSERTFAIL Assertion failed pid[0x*\<hex_number\>*], file *\<name\>*, line *\<number\>*: *\<error\>*

Explanation:
This fatal error message appears when an internal check fails in the XP's routing process. A detailed analysis of the core file will be necessary to determine corrective action.

Recommended Action:
Contact Enterasys Technical Support and have the core file available to send to engineering.

%GATED-F-CONSACCEPTFAIL Cannot accept GateD console socket *\<number\>* (error = *\<number\>*)

Explanation:
This error message is displayed when the XP experiences a "socket accept" operation failure in its routing process.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-F-CONSBINDFAIL Cannot bind GateD console socket *<number>* (error = *<number>*)

Explanation:
This error message is displayed when the XP experiences a "socket bind" operation failure in its routing process.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-F-CONSLISTENFAIL Cannot listen GateD console socket *<number>* (error = *<number>*)

Explanation:
This error message is displayed when the XP experiences a "socket listen" operation failure in its routing process.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-F-CONSOPENFAIL Cannot open GateD console socket (error = *<number>*)

Explanation:
This error message is displayed when the XP fails to open the given socket during its routing process.

Recommended Action:
Contact Enterasys Technical Support.

%GATED-F-DATAMALLOCFAIL Malloc failed for Gated data-section.

Explanation:
This message is displayed when, during initialization, the GateD task could not successfully allocate the required memory.

Recommended Action:
Restart the system. If the problem persists, please call Enterasys Technical Support.

%GATED-F-NULLDATAPTR Saved data-section pointer is NULL.

Explanation:
This message is displayed when the GateD task detected a memory corruption problem.

Recommended Action:
Restart the system. If the problem persists, please call Enterasys Technical Support.

Chapter 24

GVRP Error Messages

This chapter describes the error messages for the GVRP facility.

Informational Messages

%GVRP-I-DYN_VLAN_DISABLED Dynamic VLAN has been disabled

Explanation:
This message appears when dynamic VLAN creation is disabled.

Recommended Action:
Informational message. No action necessary.

%GVRP-I-DYN_VLAN_ENABLED Dynamic VLAN has been enabled

Explanation:
This message appears when dynamic VLAN creation is enabled.

Recommended Action:
Informational message. No action necessary.

%GVRP-I-PORT_ADDED GVRP added port *\<port>* to vlan (*\<vlan_id>*)

Explanation:
This message appears when a port is added to a VLAN by GVRP.

Recommended Action:
Informational message. No action necessary.

%GVRP-I-PORT_REMOVED GVRP removed port *\<port>* from vlan (*\<vlan_id>*)

Explanation:
This message appears when a port is removed from a VLAN by GVRP.

Recommended Action:
Informational message. No action necessary.

%GVRP-I-STARTED GVRP has been started

Explanation:
This message appears when GVRP is started.

Recommended Action:
Informational message. No action necessary.

%GVRP-I-STOPPED GVRP has been stopped

Explanation:
This message appears when GVRP is stopped.

Recommended Action:
Informational message. No action necessary.

%GVRP-I-VLAN_CREATE GVRP Vlan Successfully Created (*\<vlan_id>*)

Explanation:
This message appears when a VLAN is created by GVRP.

Recommended Action:
Informational message. No action necessary.

%GVRP-I-VLAN_REMOVED GVRP Vlan Successfully Removed (*<vlan_id>*)

Explanation:
This message appears when a VLAN is removed by GVRP.

Recommended Action:
Informational message. No action necessary.

Warning Messages

%GVRP-W-DYNAMIC_VLAN GVRP cannot create Vlan (*<vlan_id>*). Enable it via the CLI.

Explanation:
This message appears when GVRP cannot create the VLAN.

Recommended Action:
Make sure dynamic VLAN creation is enabled via the CLI.

%GVRP-W-PORT_FORBIDDEN Port *<port>* is forbidden from being added to vlan *<vlan_id>*

Explanation:
This message appears when GVRP tries to add a forbidden port to a VLAN.

Recommended Action:
No action necessary.

%GVRP-W-REG_MODE GVRP can't set registrar mode on ports that are not gvrp enabled -- *<port_list>*

Explanation:
This message appears when the attempt is made to set the registrar mode on at least one port that is not GVRP enabled.

Recommended Action:
Enable GVRP on the ports that aren't already and set the registrar mode again.

%GVRP-W-TRUNK_PORT Port *<port>* must be a trunk port in order to add it to a vlan (*<vlan_id>*)

Explanation:
This message appears when GVRP tries to add an access port to a VLAN.

Recommended Action:
Change the specified port to a trunk port.

%GVRP-W-VLAN_ADD_PORT GVRP could not add port <port> to vlan (<vlan_id>)

Explanation
This message appears when GVRP is not able to add port to vlan.

Recommended Action
Report to Technical Support.

%GVRP-W-VLAN_L4BDG GVRP tried to remove a Vlan that is L4 bridging enabled (*<vlan_id>*)

Explanation:
This message appears when GVRP tries to remove a VLAN that has L4 bridging enabled on it.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-W-VLAN_NOTEXISTS GVRP tried to remove a non-existent Vlan (*<vlan_id>*)

Explanation:
This message appears when GVRP tries to remove a VLAN that does not exist.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-W-VLAN_PORTS GVRP tried to remove a Vlan with ports still in the Vlan (<vlan_id>)

Explanation
This message appears when GVRP tries to remove a vlan that still has ports.

Recommended Action
Report to Technical Support.

%GVRP-W-VLAN_REMOVE_PORT GVRP could not remove port *<port>* from vlan (*<vlan_id>*)

Explanation:
This message appears when GVRP is not able to remove port from VLAN.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-W-VLAN_STATIC GVRP tried to remove a statically created Vlan (<vlan_id>)

Explanation
This message appears when GVRP tries to remove a vlan that was statically created (not created by GVRP).

Recommended Action
Report to Technical Support.

Error Messages

%GVRP-E-GET_SEMA4 GVRP Failed to Acquire semaphore errorcode: *<number>*

Explanation:
This message appears when GVRP fails to acquire a semaphore.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-E-PORT_INVALID GVRP Error - Port *<port_number>* is invalid

Explanation:
This message appears when GVRP tries to add an invalid port to, or remove an invalid port from, a VLAN.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-E-REG_MCAST GVRP Could not register the multicast address: 0180C2:000021 on port: *<port_number>*

Explanation:
This message appears when GVRP fails to register the GVRP multicast address on specified port.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-E-REG_MODE GVRP can't set registrar mode on ports that are not gvrp enabled -- *<port_list>*

Explanation:
This message appears when the attempt is made to set the registrar mode on ports that are not GVRP enabled.

Recommended Action:
Enable GVRP on the ports and set the registrar mode again.

%GVRP-E-REL_SEMA4 GVRP Failed to Release semaphore errorcode: *<number>*

Explanation:
This message appears when GVRP fails to release a semaphore.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-E-UNREG_MCAST Could not unregister the multicast address: 0180C2:000021 on port: *<port_number>*

Explanation:
This message appears when GVRP fails to unregister the GVRP multicast address on specified port.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-E-VLAN_BOUND GVRP Error - Vlan bound to IP/IPX interface. Remove the interface first (*<vlan_id>*)

Explanation:
This message appears when GVRP attempts to remove a VLAN that is bound to an IP/IPX interface.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-E-VLAN_CREATE_ERROR GVRP Error occurred while trying to create Vlan (*<vlan_id>*)

Explanation:
This message appears when an error happens while GVRP is creating a vlan.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-E-VLAN_REMOVE_ERROR GVRP Error occurred while trying to remove Vlan (*<vlan_id>*)

Explanation:
This message appears when an error happens while GVRP is removing a VLAN.

Recommended Action:
Contact Enterasys Technical Support.

Fatal Errors

%GVRP-F-CREATE_Q Failed to create GVRP queue: *<queue_name>* errorcode: *<number<*

Explanation:
This message appears when there is an error creating the queue on which to receive GVRP packets.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-F-CREATE_SEMA4 Failed to create GVRP semaphore: *<return_code>*

Explanation:
This message appears when there is an error while creating the GVRP semaphore.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-F-CREATE_TMR Failed to create GVRP Timer : *<return_code>*

Explanation:
This message appears when there is an error while creating the GVRP timer.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-F-REG_GVRP Failed to register *<string>*, errorcode *<return_code>*

Explanation:
This message appears when there is an error registering to receive GVRP PDUs.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-F-RESET_TMR Failed to reset GVRP Timer : *<return_code>*

Explanation:
This message appears when there is an error while resetting the GVRP timer.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-F-START_TMR Failed to start GVRP Timer : *<return_code>*

Explanation:
This message appears when there is an error while starting the GVRP timer.

Recommended Action:
Contact Enterasys Technical Support.

%GVRP-F-STOP_TMR Failed to stop GVRP Timer : *<return_code>*

Explanation:
This message appears when there is an error while stopping the GVRP timer.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 25

HBT Error Messages

This chapter describes the error messages for the Control Module Heartbeat facility.

Informational Messages

%HBT-I-BACKUPALIVE, the Backup CM is now alive

Explanation:
The Primary CM displays this message any time the Backup CM transitions from an offline state to an online state. This is likely to occur after a cold boot of a dual CM system when the Backup CM finishes booting after being reset by the Primary CM.

Recommended Action:
Informational message only, no action necessary.

%HBT-I-COPYFILERCVD Received request to copy generic file

Explanation:
The router received a heartbeat request message to copy a generic file from the Backup CM to the Primary CM.

Recommended Action:
Informational message only, 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:
Replace failed Control Module.

%HBT-I-SYNCTIMERCVD, time synchronized to: %s

Explanation:
This message is displayed on the backup control module when it receives a time-synchronization packet from the primary control module and sets the synchronized time. It will appear under one of the following situations: (1) The router is rebooted. (2) A backup control module is hot-swapped in. (3) The primary control module resets its time.

Recommended Action:
None.

Warning Messages

%HBT-W-BACKUPFAILURE backup CM in slot *<slot_id>* is not operating

Explanation:
A backup Control Module has been detected, but it is not functioning properly.

Recommended Action:
Replace indicated Control Module.

%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:
There are incompatible versions of the primary and backup Control Modules or one Control Module has a fault.

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 the master CM because of some fatal error on the 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 software versions.

Recommended Action:
Install compatible versions of primary and backup Control Modules.

%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, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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:
A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, contact Enterasys Technical Support.

%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 problem persists, contact Enterasys Technical Support.

Error Messages

%HBT-E-BADPKT bad HBT message from physical port *<port_id>*

Explanation:
A message was received with an incorrect message ID (e.g., an Ethernet packet with ethertype 0xdada which is used for internal heartbeat messages).

Recommended Action:
A single occurrence of this message has no detrimental effect on the system. If this message is displayed repeatedly, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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 displays repeatedly, contact Enterasys Technical Support.

%HBT-E-SETTIME, setting of synchronized time failed

Explanation:
This message is displayed on the backup control module when it fails to set the synchronized time after receiving a time-synchronization packet from the primary control module.

Recommended Action:
Contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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 Enterasys Technical Support.

Fatal Errors

%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 a Control Module. If problem persists, contact Enterasys Technical Support.

%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 problem persists, contact Enterasys Technical Support.

%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 problem persists, contact Enterasys Technical Support.

%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 problem persists, contact Enterasys Technical Support.

%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:
Contact Enterasys Technical Support.

%HBT-F-MULTISECNDRY both *<cm_type>*(s) reverted to backup controller status

Explanation:
All Control Modules are configured as backup controllers.

Recommended Action:
Contact Enterasys Technical Support.

%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 problem persists, contact Enterasys Technical Support.

%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 problem persists, contact Enterasys Technical Support.

Chapter 26

IGMP Error Messages

This chapter describes the error messages for the Internet Group Membership Protocol (IGMP) facility.

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:
Informational message. No action necessary.

%IGMP-I-SNOOP_STOPPED   Igmp L2 Snooping Stopped

Explanation:
This message is displayed when Layer 2 IGMP Snooping service is stopped.

Recommended Action:
Informational message. No action necessary.

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.

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-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-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-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-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-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 port list 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.

Chapter 27

IGMP_PIM Error Messages

This chapter describes the error messages for the IGMP_PIM facility.

Error Messages

%IGMP_PIM-E-IFEXISTS, Interface already exists.

Explanation:
You attempted to add an interface to IGMP that was already added.

Recommended Action:
No action necessary.

%IGMP_PIM-E-IFNOTFOUND, Interface not found in IGMP.

Explanation:
You should not see this error.

Recommended Action:
Contact Enterasys Technical Support.

%IGMP_PIM-E-IFOVFL, No memory for creating interface.

Explanation:
There is not enough memory remaining to configure the interface for IGMP.

Recommended Action:
Disable features not in use and try again.

%IGMP_PIM-E-NOSUCHTASK, IGMP task does not exist.

Explanation:
You attempted to execute a **pim show igmp** command when IGMP was not running.

Recommended Action:
No action necessary.

%IGMP_PIM-E-TSKDELETED, IGMP task has been deleted (flags=<flags>).

Explanation:
You attempted to execute a **pim show igmp** command while IGMP was trying to close.

Recommended Action:
No action necessary.

Chapter 28

Interface Configuration Error Messages

This chapter describes the error messages for the Interface Configuration facility.

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-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.

%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.

Warning Messages

%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 *<port-name*) failed since it is already on vlan *<vlan-name>*.

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.

%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.

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 Enterasys Technical Support.

%INTERFACE-E-ALIASATTACHED, The interface '<name>' has an associated SNMP ifAlias. The ifAlias must be removed before removing the interface.

Explanation:
This error will occur when attempting to negate an **interface create** command for an interface that has been assigned an alias via the **snmp set if-alias** command.

Recommended Action:
Negate the **snmp set if-alias** command before negating the **interface create** command.

%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-ARPKEEPTIMECONFIGURED ARP keep time is configured on this interface. Please remove it from interface '%s' first.

Explanation:
This message appears when you attempt to remove an interface from the configuration while the ARP keep-time is still configured on that interface.

Recommended Action:
Remove the ARP keep-time command configured on that interface, then remove the interface.

%INTERFACE-E-BADATMMUX Only one protocol can be configured over a VC with encap type of vc-mux. Please check the port encap type and try again.

Explanation:
An ATM VC with encap type vc-mux sends no protocol information over the wire. Because the protocol is determined from the VC, only IP or IPX can be configured over a vlan or port that contains an ATM VC in vc-mux encap mode. This error appears when you attempt to add a second protocol with the interface create command. If the port or vlan contains any ATM VCs with an encap type of vc-mux, the interface command fails.

Recommended Action:
Check the port encap type and try again.

%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 Enterasys Technical Support.

%INTERFACE-E-BADMTU The specified MTU - %d – of this interface is too large. Either use a smaller MTU value or, if supported, increase the MTU of each physical port associated with this interface using the 'port set [port] mtu' command. In the case of an interface assigned to a VLAN or SmartTRUNK, the largest allowable MTU for the interface is the smallest MTU of the physical ports associated with the particular VLAN or SmartTRUNK.

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 Enterasys Technical Support.

%INTERFACE-E-BADVC 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-BADVLAN 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-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:
Contact Enterasys Technical Support.

%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:
Contact Enterasys Technical Support for information about this message.

%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 Enterasys Technical Support.

%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-LOWPORTMTU, The MTU of the port (or one of the ports in the vlan) assigned to this interface is too small to support an interface. Increase the port mtu to a value greater than 94 in order to create an interface assigned to it.

Explanation:
Creating an interface requires that port(s) assigned to that interface have an MTU greater than 94.

Recommendation:
Use the **port set** command to increase the MTU to at least 94.

%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-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:
Contact Enterasys Technical Support for information about this message.

%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 XP's 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 Enterasys Technical Support.

%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:
Contact Enterasys Technical Support for information about this message.

%INTERFACE-E-NOSUCHVCL Specified VCL does not exist.

Explanation:
Internal error.

Recommended Action:
User should specify a different VC.

%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 *<interface-name>* cannot have more than 1 port specified.

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 suing 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-RARPDENABLED RARPD is enabled on this interface. Please disable it first.

Explanation:
The **interface create** command cannot be negated due to the fact that RARPD is enabled on the interface.

Recommended Action:
Negate the corresponding **rarpd set interface** command before attempting to remove the interface.

%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-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-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-TACPLUSATTACHED, The IP address <ip-address> is currently in use by TACACS+ and cannot be removed.

Explanation:
This error will occur when you attempt to negate an **interface create** or **interface add** command and a **tacacs-plus set source** command in the active configuration contains the same IP address as the interface being removed.

Recommended Action:
Configure TACACS+ to use a different source address before removing the interface.

%INTERFACE-E-TRAPSOURCE error message has been added

Explanation:
This error occurs when a user attempts to negate an **interface create** or **interface add** command and an **snmp set trap-source** command in the active configuration contains the same interface name or IP address as the interface being removed.

Recommended Action:
Before removing the interface, configure SNMP to use a different trap source address.

%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.

Chapter 29

IP Helper and BOOTP Relay Agent Error Messages

This chapter describes the error messages for the IP Helper and BOOTP/DHCP Relay Agent facility.

Informational Messages

%IPHELPER-I-FWD Packet forwarded *<IP address>* to *<interface>*

Explanation:
The XP 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:
Informational message. No action necessary.

%IPHELPER-I-FWD_IF Packet forwarded *<IP address>* to *<addresses>* (ifaddr *<address>*)

Explanation:
The XP 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:
Informational message. No action necessary.

%IPHELPER-I-TTLEXP TTL expired; packet from *<IP address>* not forwarded

Explanation:
The XP dropped the packet with the displayed IP address and UDP port number due to its TTL expiration.

Recommended Action:
Informational message. No action necessary.

%RELAY_I_BOOTREPLY Forwarded BOOTREPLY for *<host>* to *<interface>*

Explanation:
The XP forwarded a BOOTREPLY from a BOOTP server to the client with the displayed IP and MAC address.

Recommended Action:
Informational message. No action necessary.

%RELAY-I-BOOTREQUEST Forwarded BOOTREQUEST for *<host>* to *<interface>*

Explanation:
The XP forwarded a BOOTREQUEST from the client with the displayed MAC address to the displayed IP address.

Recommended Action:
Informational message. No action necessary.

%RELAY-I-GIADDR BOOTP reply with unknown giaddr *<address>*

Explanation:
The XP dropped a BOOTREPLY packet with the displayed giaddr IP address because it does not match any of the interfaces on the XP.

Recommended Action:
Informational message. No action necessary.

%RELAY-I-NOFORWARD BOOTP/DHCP forwarding not allowed on *<interface>*

Explanation:
The XP 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-NOHELPER BOOTP packet received on *<interface>* with no IP helper configured

Explanation:
The XP 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 XP.

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 XP 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:
Informational message. No action necessary.

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.

Chapter 30

IP Policy Error Messages

This chapter describes the error messages for the IP policy facility.

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.

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 problem persists, contact Enterasys Technical Support.

%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.

Chapter 31

IP Stack Error Messages

This chapter describes the error messages for the IP Stack facility.

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-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 displays repeatedly, contact Enterasys Technical Support.

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 XP. This is a misconfiguration of the network.

Recommended Action:
Change the IP address on the XP or the other device. The other device can be identified by the MAC address displayed in the message.

%IP-W-RTQKILL1 in_rtqkill: error %d

Explanation:
This message indicates that the software component that manages IP resources has detected an internal error.

Recommended Action:
Contact Enterasys Technical Support.

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 displays repeatedly, contact Enterasys Technical Support.

%IP-E-BADANNOT   rn_delete: inconsistent annotation

Explanation:
The software component that manages IP resources has detected an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%IP-E-CLRTEGFAIL   NUE_Set_Flag failed

Explanation:
The software component that manages IP resources has detected an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%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 Enterasys Technical Support.

%IP-E-GTWY arp_rtrequest: bad gateway value

Explanation:
The software component that manages IP resources has detected an internal error.

Recommended Action:
If problem persists, contact Enterasys Technical Support.

%IP-E-LIMITIPOPTIONPKTS, The limit-ip-option-pkts command cannot be enabled because L3 aging is disabled

Explanation:
This message appears when a user attempts to add the **ip enable limit-ip-option-pkts rate-threshold** *<num>* command and L3 aging is disabled.

Recommended Action:
Remove the **aging l3 set timeout disable** command from the configuration.

%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 Enterasys Technical Support.

%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 Enterasys Technical Support.

%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-NOANNOT rn_delete: couldn't find our annotation

Explanation:
The software component that manages IP resources has detected an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%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-NOIPADDRCFG   No IP Interface configured for port %s

Explanation:
The software component that manages IP resources has detected an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%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 Enterasys Technical Support.

%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 Enterasys Technical Support.

%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 Enterasys Technical Support.

%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-ORPHANMASK   rn_delete: Orphaned Mask %x at %x

Explanation:
The software component that manages IP resources has detected an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%IP-E-RESETTMRFAIL   NU_Reset_Timer failed

Explanation:
The software component that manages IP resources has detected an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%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 Enterasys Technical Support.

%IP-E-SETTEGFAIL   NUE_Set_Flag failed

Explanation:
The software component that manages IP resources has detected an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%IP-E-WAITTEGFAIL   Wait_For_Teg failed

Explanation:
The software component that manages IP resources has detected an internal error.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 32

IPC (WAN) Error Messages

This chapter describes the error messages for the IPC facility used by the WAN software.

Warning Messages

%IPC-W-MODFAIL Remote module *<number>* failed (*<n>* times)... attempting hotswap

Explanation:
This message is displayed when the XP detects a failure with a WAN module and attempts to restart it via hotswap.

Recommended Action:
If necessary, contact Enterasys Technical Support and furnish them with the crash dump of the WAN image.

Note: The first three times the XP 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.

Error Messages

%IPC-E-MALLOCFAIL Failed to allocate memory for *<message>*

Explanation:
This message is displayed when the XP 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 problem persists, contact Enterasys Technical Support.

%IPC-E-MODFAIL Too many remote module *<number>* failures (*<n>* times)

Explanation:
This error message is displayed when the XP 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 Enterasys Technical Support.

%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 Enterasys Technical Support.

Chapter 33

IPX Protocol Error Messages

This chapter describes the error messages for the IPX Protocol facility.

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:
Informational message. No action necessary.

%IPX-I-IPXSTATCLEAR   IPX Statistics cleared.

Explanation:
This message is displayed when the IPX statistics information is cleared.

Recommended Action:
Informational message. No action necessary.

%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:
Informational message. No action necessary.

%IPX-I-RIPREQPACKPERITER   Rip request packets per iteration changed to %d.

Explanation:
This message is displayed when the maximum RIP request packets to be processed limit is set.

Recommended Action:
Informational message. No action necessary.

%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:
Informational message. No action necessary.

%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:
Informational message. No action necessary.

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 Enterasys Technical Support.

%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 Enterasys Technical Support.

%IPX-E-ENOSOCKSIZEELEM   No shadow socket size entry available

Explanation:
Internal allocation array is filled up.

Recommended Action:
Contact Enterasys Technical Support.

%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-ERIPIFSHAD Cannot allocate memory for shadow delete interface entry

Explanation:
This message is displayed when the XP 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 XP 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-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:
Contact Enterasys Technical Support.

%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-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-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 Enterasys Technical Support if you wish to upgrade memory.

%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-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:
Contact Enterasys Technical Support.

%IPX-E-ESAPNOMEM   Cannot allocate memory for SAP entry

Explanation:
This message is displayed when the IPX task cannot allocate memory.

Recommended Action:
Contact Enterasys Technical Support.

%IPX-E-ESAPNOSTATSAPELEM No shadow static sap entry available

Explanation:
This message is displayed when the XP 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-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 Enterasys Technical Support.

%IPX-E-ESAPSTATSAPSHAD Cannot allocate memory for shadow static sap entry

Explanation:
This message is displayed when the XP 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 Enterasys Technical Support.

%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 Enterasys Technical Support.

%IPX-E-INTMAXMCREATED Number of IPX interface created exceeds <*number*> allowed

Explanation:
The number of IPX interfaces has exceeded the maximum allowable.

Note: The XP supports a maximum of 64 IPX interfaces.

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-NOMODULENUM   Invalid module number -- %d.

Explanation:
This message is displayed when the user inputs an invalid module number or refers to a slot that does not contain a line card.

Recommended Action:
Enter a valid module number that contains a line card. The valid module number can be found by using the Enable mode command "system show hardware."

%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 Enterasys Technical Support.

%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 Enterasys Technical Support.

%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 Enterasys Technical Support.

Chapter 34

Layer 2 Table Manager Error Messages

This chapter describes the error messages for the Layer 2 Table Manager facility.

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 only, no action necessary.

%L2TM-I-INIT, L2 Table Manager initialized

Explanation:
This message indicates that the L2 Table Manager, required for switching, is initialized.

Note: This message is not displayed with firmware versions prior to E9.1.6.0.

Recommended Action:
Informational message only, no action necessary.

Warning Messages

%L2TM-W-ADD_L2_ENTRY add 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 (*<number>*; port *<port_name>*; vlan *<id>*; src *<mac_address>* dst *<mac_address>*)

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-APS_CONFLICT Port (%s) inherited %s config. %s

Explanation:
This message is displayed to indicate that there is a conflict in the configuration.

Recommended Action:
APS ports should be in address-bridging mode (default for layer 2). Verify configuration.

%L2TM-W-APS_STATUS Port %s - already %s

Explanation:
This message is displayed when a port added to an APS is already a member of the APS.

Recommended Action:
Verify the configuration of the port in question.

%L2TM-W-BAD_PORT request to perform an action on an invalid port (Port %d; %s)

Explanation:
A software error occurred. This message is also displayed when you perform an action on a port that does not support the action or on a port that does not exist.

Recommended Action:
If the problem persists, contact Enterasys Technical Support. You may want to verify that the port affected by the command is actually in the system (i.e., they have not been hotswapped out) and that the port in question supports this action.

%L2TM-W-DMND_DEL L2 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. For further assistance, call Enterasys Technical Support.

%L2TM-W-FLOW_MISMATCH MAC 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:
Informational message. No action necessary.

%L2TM-W-HANDLE_BKTFULL Bucket full-deletion failed (port *<name>*; vlan *<id>*; mac *<MAC_address>*)

Explanation:
This message appears when multiple MAC addresses map to the same hardware location, but the router cannot complete a request to replace an existing L2 entry with a new one.

Recommended Action:
The message usually indicates an internal error that may be resolved temporarily by changing the hash-mode. Please contact Enterasys Technical Support for more details.

%L2TM-W-HANDLE_BKTFULL_FLOW Bucket full-deletion failed (port *<name>*; vlan *<id>*; src *<MAC_address>*; dst *<MAC_address>*)

Explanation:
This message appears when multiple L2 flows map to the same hardware location, but the router cannot complete a request to replace an existing flow entry with a new one.

Recommended Action:
The message usually indicates an internal error that may be resolved temporarily by changing the hash-mode. Please contact Enterasys Technical Support for more details.

%L2TM-W-INVALID_VLAN Port *\<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 that are not configured for this port. Check your VLAN-to-port configuration. This may be an indication of a misconfigured network. To filter these messages, enter **stp set vlan-disable** in config mode.

%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-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_MOVED mac %04X:%04X:04X moved (%s --> %s).

Explanation:
This message is displayed when the diagnostic command l2-tables start mac-moves is issued. These messages help the user determine the source of mac movement between ports.

Recommended Action:
Informational message. No action necessary.

%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:
Informational message. No action necessary. (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:
Informational message. No action necessary.

%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 Enterasys Technical Support.

%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:
Informational message. No action necessary.

%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-RMON_TX send message to RMON queue failed (%s - %d)

Explanation:
This message is displayed when debugging is turned on for RMON. This message indicates that there was a problem sending data to the Queue used to send RMON updates to the external management system.

Recommended Action:
Capture information displayed and contact Enterasys Technical Support.

%L2TM-W-ST_CONFLICT Port (<name>) inherited SmartTRUNK config <config name>.

Explanation:
This message is displayed when a port has been added to a Smart Trunk.

Recommended Action:
Informational message. No action necessary. (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:
Informational message. No action necessary.

%L2TM-W-ST_STATUS   Port %s - %s is already %s

Explanation:
This message is displayed when a port added to a smarttrunk is already a member of the smarttrunk.

Recommended Action:
Verify the configuration of the smarttrunk.

%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-TBL_MISMATCH L2 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:
Informational message. No action necessary.

%L2TM-W-VLANID VLAN Id %d does not exist.

Explanation:
This warning is displayed when a filter or static entry is applied for a vlan that does not exist.

Recommended Action:
Verify that the vlan configuration is correct for the network, then retry the command.

%L2TM-W-WANNOTALLOWED L2 filtering on vc is not supported

Explanation:
This message is displayed when an action is requested on a WAN port that is not supported.

Recommended Action:
Verify configuration.

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 problem persists, contact Enterasys Technical Support.

%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 displays repeatedly, contact Enterasys Technical Support.

%L2TM-E-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-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 problem persists, contact Enterasys Technical Support.

%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 Enterasys Technical Support.

%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 displays repeatedly, contact Enterasys Technical Support.

%L2TM-E-NO_PORTS, st.1 does not have any ports yet. Please add ports before setting the aging status for the SmartTRUNK

Explanation:
This message appears when a user enters the command **aging l2 disable st.x** and the SmartTRUNK (st.x) exists but does not have any ports added to it yet.

Recommended Action:
When this message appears, the command will not be active until you add ports to the SmartTRUNK. To add ports to the SmartTRUNK, use the **smarttrunk add ports x.x to st.x** command.

%L2TM-E-NEEDS_PORT st.1 must have at least one port in it because the port contains configured l2 aging or flowbridging information. Before removing all ports from the SmartTRUNK, please negate any aging or flowbridging commands relating to the SmartTRUNK. (Search your configuration for "aging l2" or "port flowbridging")

Explanation:
This message appears when a user attempts to remove ports from a SmartTRUNK by negating a **smarttrunk add ports x.x to st.x** command.

Recommended Action:
This error occurs only if another command exists that sets values for ports on the SmartTRUNK. For example in the following configuration, you must negate command numbers 3 and 4 before you negate command number 2:

```
1 : smarttrunk create st.1
2 : smarttrunk add ports et.3.1 to st.1
3 : aging l2 disable st.1
4 : port flow-bridging et.3.1
```

%L2TM-E-PORT_CLEANUP unsuccessful 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:
Informational message. No action necessary.

%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 displays repeatedly, contact Enterasys Technical Support.

%L2TM-E-ST_CONFLICT failed adding port (<port_name>) to SmartTRUNK <smart trunk>

Explanation:
This message is displayed when adding a port to a Enterasys fails.

Recommended Action:
Verify the port being added to a SmartTRUNK.

%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 problem persists, contact Enterasys Technical Support.

%L2TM-E-STNOTFOUND SmartTRUNK st.<number> not found

Explanation:
This message is displayed when the user attempts to specify a particular Smart Trunk port that the XP cannot identify.

Recommended Action:
Verify that the specified port is actually part of a SmartTRUNK.

%L2TM-E-VLANID, VLAN Id 5 does not exist.

Explanation:
There is not a VLAN with Id of 5.

Recommended Action:
Create a VLAN with ID 5 or change the Id in the filter to match the Id of an existing VLAN.

%L2TM-E-WANNOTALLOWED L2 filtering on vc is not supported

Explanation:
This message is displayed when an L2 static entry is configured on a WAN port per VC. Filters on WAN port VCs are not supported.

Recommended Action:
This feature (static entry) cannot include a WAN VC as a parameter.

Fatal Errors

%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 problem persists, contact Enterasys Technical Support.

%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 problem persists, contact Enterasys Technical Support.

%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 problem persists, contact Enterasys Technical Support.

Chapter 35

Layer 3 Aging Error Messages

This chapter describes the error messages for the Layer-3 Aging facility.

Error Messages

%L3AGE-E-LIMITIPOPTIONPKTS, Cannot disable L3 aging because limit-ip-option- pkts command is enabled

Explanation:
This message appears when a user attempts to add the **aging l3 set timeout disable** command when the **ip enable limit-ip-option-pkts rate-threshold** *<num>* command is already in the configuration.

Recommended Action:
Remove the **ip enable limit-ip-option-pkts rate-threshold** *<num>* command from the configuration.

Fatal Messages

%L3AGE-F-EVWAIT event wait failed with error '%d'

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, contact Enterasys Technical Support.

%L3AGE-F-TMRCREATFAIL timer creation failed with error '%d'

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 contact Enterasys Technical Support to resolve the problem.

%L3AGE-F-TMRSTARTFAIL failed to start timer '0x%x', error '%d'

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 contact Enterasys Technical Support to resolve the problem.

Chapter 36

Load Balance Error Messages

This chapter describes the error messages for the Load Balance facility.

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-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:
Informational message. No action necessary.

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-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 XP 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.

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:
Contact Enterasys Technical Support.

%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-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:
Contact Enterasys Technical Support.

%LOADBAL-E-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:
Contact Enterasys Technical Support.

%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-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-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 Enterasys Technical Support.

%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-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-E-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-E-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-E-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-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.

Chapter 37

Multicast Traceroute Error Messages

This chapter describes the error messages for the Multicast Traceroute facility.

Error Messages

%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. Contact Enterasys Technical Support.

Chapter 38

Mirroring Error Messages

This chapter describes the error messages for the Mirroring facility.

Informational Messages

%MIRRORING-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:
Informational message. No action required.

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 Enterasys Technical Support.

%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.

Error Messages

%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.

%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_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-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-NORULE Rule '%s' does not exist, cannot %s a non-existent 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-PORTDISABLED Port '%s' has been disabled by another command, must remove this command first

Explanation:
This message appears when the monitor port specified was already disabled with a **port disable** command.

Recommended Action:
Re-enable the port by negating the **port disable** command used for this port.

Chapter 39

Multicast Error Messages

This chapter describes the error messages for the Multicast facility.

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-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 Enterasys Technical Support.

%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 Enterasys Technical Support.

%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 Enterasys Technical Support.

%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.

Chapter 40

NAT Error Messages

This chapter describes the error messages for the Network Address Translation (NAT) facility.

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 time-out for dynamic address bindings is set to the specified value.

Recommended Action:
Informational message. No action necessary.

%NAT-I-FLOWAGING NAT flow aging time-out 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 time-out for NAT set to: *<value>* (min)

Explanation:
The FTP session time-out for NAT is set to the specified value.

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-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.

Error Messages

%NAT-E-COMPILE NAT support was not included at compile time.

Explanation:
NAT is not supported in this release.

Recommended Action:
Contact Enterasys Technical Support.

%NAT-E-DNSNAMEEXTNOTSUPP ERROR: DNS Name Extensions are not supported

Explanation:
This error message will appear when the router receives packets with DNS name extensions.

Recommended Action:
Contact Enterasys Technical Support.

%NAT-E-DYNGBLLSTMAL NAT_AllocateGlobalList - malloc error

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%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-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:
Contact Enterasys Technical Support.

%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:
Contact Enterasys Technical Support.

%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:
Contact Enterasys Technical Support.

%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-IPADDRMSK Not a valid address (broadcast 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 %s

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 %s

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-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-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.

Chapter 41

NetFlow Error Messages

This chapter describes the error messages for the NetFlow facility.

Informational Messages

%NETFLOW-I-START started NETFLOW Service

Explanation:
NetFlow has been started

Recommended Action:
Informational message, no action necessary.

%NETFLOW-I-STOP stopped NetFlow Service

Explanation:
NetFlow Service has been stopped.

Recommended Action:
Informational message, no action necessary.

%NETFLOW-I-UPDATE updated NetFlow Service

Explanation:
NetFlow configuration has been updated.

Recommended Action:
Informational message, no action necessary.

Warning Messages

%NETFLOW-W-NO_SEND Could not send NetFlow information to NetFlow collector

Explanation:
Attempts were made to send the NetFlow information to a NetFlow server but failed.

Recommended Action:
Check your network connection via **ping** or **traceroute**.

%NETFLOW-W-WORK_CREATED worker thread already created

Explanation:
This messages indicates that an internal error occurred.

Recommended Action:
Contact Enterasys Technical Support.

Error Messages

%NETFLOW-E-BAD_BYTE_CNT NetFlow received a bad byte count.

Explanation:
NetFlow received a packet whose total byte count is smaller than the normal packet header size.

Recommended Action:
A function is probably passing an incorrect byte count.

%NETFLOW-E-CALLBACK_FAIL callback failed

Explanation:
This message indicates that an internal error occurred.

Recommended Action:
Contact Enterasys Technical Support.

%NETFLOW-E-COLLECTORREQD Cannot remove the collector while NetFlow is enabled

Explanation:
This message appears when a user attempts to comment out or remove the **netflow set collector** command while NetFlow is enabled. A collector must be configured if NetFlow is enabled.

Recommended Action:
To remove the collector, disable NetFlow.

%NETFLOW-E-CREATE_TASK NUE_Create_Task failed: %s

Explanation:
This message indicates that a system error occurred.

Recommended Action:
Contact Enterasys Technical Support.

%NETFLOW-E-DECREASE_MEMORY NetFlow must be off before decreasing the NetFlow memory value

Explanation:
You cannot change the NetFlow memory configuration if NetFlow is enabled.

Recommended Action:
Negate or *comment out* "NetFlow enable" before you change the memory size. Then add or *comment in* "netflow enable."

%NETFLOW-E-DIS_TIMER unable to disable timer: %d

Explanation:
This message indicates that an internal error occurred.

Recommended Action:
Contact Enterasys Technical Support.

%NETFLOW-E-EN_TIMER unable to enable timer: %d

Explanation:
This message indicates that an internal error occurred.

Recommended Action:
Contact Enterasys Technical Support.

%NETFLOW-E-INVALID_STATE invalid state in work loop, ignored, netflow_status=%d mask=%x

Explanation:
This message indicates that an internal error occurred.

Recommended Action:
Contact Enterasys Technical Support.

%NETFLOW-E-NO_CALLBACK no callback for timer: %d

Explanation:
This message indicates that an internal error occurred.

Recommended Action:
Contact Enterasys Technical Support.

%NETFLOW-E-NO_SERVER cannot change configuration if a server is not configured

Explanation:
A NetFlow server was not configured.

Recommended Action:
Configure a server using the NetFlow set server command.

%NETFLOW-E-NO_START cannot start NETFLOW Service if a server is not configured

Explanation:
A NetFlow server was not configured.

Recommended Action:
Configure a server using the NetFlow set server command.

%NETFLOW-E-NO_TIMERS no timers available

Explanation:
This message indicates that an internal error occurred.

Recommended Action:
Contact Enterasys Technical Support.

%NETFLOW-E-RMONENABLED, Cannot start NetFlow Service if RMON Professional is set.

Explanation:
NetFlow cannot run as long as RMON Professional is set.

Recommended action:
Disable RMON or do not configure RMON Professional. You cannot configure NetFlow Service and RMON Professional together because RMON Professional clears counters that NetFlow monitors.

%NETFLOW-E-SET_TEG_FLAG NUE_Set_TEG_Flag failed for Process Work Event

Explanation:
This message indicates that an internal error occurred.

Recommended Action:
Contact Enterasys Technical Support.

%NETFLOW-E-TIMER_FAIL NU_Create_Timer failed: %s

Explanation:
This message indicates that an internal error occurred.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 42

Netstat Error Messages

This chapter describes the error messages for the Netstat facility.

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:
Contact Enterasys Technical Support for information.

%NETSTAT-E-NONLIST No NLIST found - please contact Technical Support

Explanation:
This message appears when an internal system error has occurred.

Recommended Action:
Contact Enterasys Technical Support for information.

%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:
Contact Enterasys Technical Support for information.

%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:
Contact Enterasys Technical Support for information.

%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:
Contact Enterasys Technical Support for information.

Chapter 43

Network Interface Driver Error Messages

This chapter describes the error messages for the Network Interface Driver facility.

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 Control Module memory. If problem persists, contact Enterasys Technical Support.

%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:
Contact Enterasys Technical Support to resolve the problem.

Warning Messages

%NI-W-BAD_PORT Tried to reassemble packets for a wrong port type

Explanation:
This message appears when the NI driver tries to reassemble packets from ports that do not support oversized packets.

Recommended Action:
Contact Enterasys Technical Support.

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:
Contact Enterasys Technical Support.

%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:
Contact Enterasys Technical Support.

%NI-F-GETFAILED No free netbufs are available for transmit

Explanation:
This message appears when the router attempted to transmit a packet from the Control Module and there was no network memory available.

Recommended Action:
Contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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:
Contact Enterasys Technical support.

Chapter 44

NoSuppress (WAN) Error Messages

This chapter describes the error messages for the NoSuppress facility used by the WAN software.

Informational Messages

%NOSUPPRESS-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.

%NOSUPPRESS-I-MP_DOWN PPP on *<bundle>* is up

Explanation:
The specified MLP bundle has gone down. All of the ports in the bundle are closed.

Recommended Action:
Informational message. No action required.

%NOSUPPRESS-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.

%NOSUPPRESS-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.

%NOSUPPRESS-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.

%NOSUPPRESS-I-PPP_PROTOCOL_DOWN IP|IPX|Bridging on port *<port>* is down

Explanation:
The specified PPP protocol has closed the connection for the specified port.

Recommended Action:
Informational message. No action required.

%NOSUPPRESS-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.

%NOSUPPRESS-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.

%NOSUPPRESS-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.

%NOSUPPRESS-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.

%NOSUPPRESS-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.

%NOSUPPRESS-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.

%NOSUPPRESS-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.

%NOSUPPRESS-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.

Chapter 45

NTP Error Messages

This chapter describes the error messages for the NTP (Network Time Protocol) facility.

Informational Messages

%NTP-I-TIMESYNC Time synchronized to *<time>*

Explanation:
This message appears when the XP successfully synchronizes its clock with an NTP server when the user executes the **ntp synchronize** command.

Recommended Action:
Informational message. No action necessary.

Warning Messages

%NTP-W-CNOTIMEZONE Time will not be set until timezone is configured; use 'clock timezone' to configure

Explanation:
This warning message appears when the user is in Common CLI mode and attempts to configure an NTP server without first configuring the local timezone.

Recommended Action:
Configure the local timezone in Common CLI mode using the Configuration mode command **clock timezone.**

%NTP-W-NOSERVER No NTP server is configured on the server list

Explanation:
This warning message appears when no server is included on the NTP server list.

Recommended Action:
Check to make sure you included at least one server on the NTP server list.

%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-TOOMANYSERVERS More than *<number>* NTP servers are configured; only the first *<number>* servers on the list will be used.

Explanation:
This warning message appears when the maximum number of NTP servers is exceeded when configuring an NTP server list, and only the first maximum number of NTP servers will be used.

Recommended Action:
Check to make sure no more than maximum number of NTP servers are included on the NTP server list.

%NTP-W-UNKWNHOST Unknown host: *<hostname>*

Explanation:
This message appears when the XP 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.

Error Messages

%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 XP. 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 XP's interfaces.

%NTP-E-CNOTIMEZONE Timezone is not set; use 'clock timezone' to configure

Explanation:
This message appears when the user is in Common CLI mode and the XP attempts to synchronize time with a NTP server but the local timezone information is not configured.

Recommended Action:
Configure the local timezone in Common CLI mode using the Configuration mode command **clock timezone**.

%NTP-E-NORESPONSE No response from NTP server: %s

Explanation:
This error message appears when the XP does not get a response from this NTP server to synchronize its clock.

Recommended Action:
Check to make sure the NTP server is reachable from the XP.

%NTP-E-NOTIMEZONE Timezone is not set; use 'system set timezone' to configure

Explanation:
This message appears when the XP 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**.

%NTP-E-SETTIME Unable to set system time

Explanation:
This message appears in the following situations:

- If the XP receives an NTP response packet with invalid time information. 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 connection with its peer or its next NTP server.

- If the user inputs invalid timezone or time offset information using the Configuration mode command "system set timezone."

Recommended Action:
If this error occurred because the NTP server just started, wait a few minutes for the server to stabilize. The message should disappear once the NTP server is responding correctly. If this error occurred because of using the command "system set timezone," check to make sure that you entered valid timezone or time offset information.

%NTP-E-STRATUM Bad stratum *<number>*, NTP server not ready to synchronize

Explanation:
The XP 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 connection 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-UNKWNHOST Unknown host: %s

Explanation:
This message appears when the XP attempts to synchronize time with an NTP server but the XP is unable to resolve the NTP server's hostname.

Recommended Action:
Check to see that the correct NTP server name is entered and DNS is configured correctly.

%NTP-E-VERSION, NTP version '%d' not supported

Explanation:
The XP received an NTP response packet with an invalid version number (i.e., smaller than 1 or larger than 3). This may result from the NTP server starting or by a corrupted packet received during transmission.

Recommended Action:
Wait a few minutes for the server to stabilize or try a different NTP server. If the problem persists, contact Enterasys Technical Support.

Chapter 46

OSPF Error Messages

This chapter describes the error messages for the Open Shortest Path First facility.

Informational Messages

%OSPF-I-ADVRTR Advertising Router: <ip address>

Explanation:
This message helps the user identify which router is advertising the received Router LSA located within a link state update packet.

Recommended Action:
Informational message only, no action necessary.

%OSPF-I-LINK type: <name> Link Id: <ip address> LinkData: <ip address>

Explanation:
A link that has been advertised within a received Router LSA.

Recommended Action:
Informational message only, no action necessary.

%OSPF-I-RECFG Reconfiguring the router to restart OSPF.

Explanation:
The XP routing process is being reinitialized to reconfigure OSPF.

Recommended Action:
Informational message only, no action necessary.

%OSPF-I-ROUTERIDFOUND OSPF Router Id found: <string>

Explanation:
This message informs the user that the router ID OSPF is going to use was found.

Recommended Action:
Information message only, no action necessary.

%OSPF-I-UPDATE Update received from <ip address> on interface <if name>.

Explanation:
A link-state update packet was received from one of the router's neighbors on the specified interface.

Recommended Action:
Informational message only, no action necessary.

Warning Messages

%OSPF-W-ASNOTIMPLEMENTED WARNING: The AS being set for ase-defaults is currently not implemented.

Explanation:
There is currently no implementation of the "as" option for the **ospf set ase-defaults** command.

Recommended Action:
Remove the command(s) from the configuration.

%OSPF-W-COSTNOTIMPLEMENTED WARNING: The cost being set for virtual-links is currently not implemented.

Explanation:
There is currently no implementation of the "cost" option for the **ospf set virtual-link** command.

Recommended Action:
Remove the command(s) from the configuration.

%OSPF-W-IFIPDOESNTEXIST, WARNING: Interface IP *<ip address>* has not been created.

Explanation:
This message appears if the user adds an undefined interface by type IP address to OSPF.

Recommended Action:
Check the configuration to determine if the interface was defined properly.

%OSPF-W-IFNAMEDOESNTEXIST, WARNING: Interface name *<if name>* has not been created.

Explanation:
This warning message is given if the user adds an undefined interface by type interface name to OSPF.

Recommended Action:
Check the configuration to determine if the interface was defined properly.

%OSPF-W-INTFDOWN Interface <interface name> marked down.

Explanation:
This message appears when OSPF marks a directly-connected interface as "down."

Recommended Action:
Check the link status for the interface connection.

%OSPF-W-NOMCASTNOTIMPLEMENTED WARNING: The no-multicast being set for virtual- links is currently not implemented.

Explanation:
There is currently no implementation of the "no-multicast" option for the **ospf set virtual-link** command.

Recommended Action:
Remove the command(s) from the configuration.

%OSPF-W-POLLINTNOTIMPLEMENTED WARNING: The poll-interval being set for virtual- links is currently not implemented.

Explanation:
There is currently no implementation of the "poll- interval" for the **ospf set virtual-link** command.

Recommended Action:
Remove the command(s) from the configuration.

%OSPF-W-TAGNOTIMPLEMENTED WARNING: The TAG being set for ase-defaults is currently not implemented.

Explanation:
There is currently no implementation of the "tag" option for the **ospf set ase-defaults** command.

Recommended Action:
Remove the command(s) from the configuration.

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-AREAOVFL No memory for creating areas

Explanation:
This error message is displayed when the command to create an area failed due to a memory allocation error.

Recommended Action:
Try executing the command again. If problem persists, contact Enterasys Technical Support.

%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 or backbone area has not been configured. If there are two non-backbone areas configured on the router, a virtual link must be added.

Recommended Action:
Add a backbone area or virtual link to the configuration.

%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-DEADLESSTHANHELLORouter dead interval is less than hello interval for interface *<name or ip address>*.

Explanation:
The router dead interval is less than the hello interval for a specific interface.

Recommended Action:
Verify interval values and re-enter the command.

%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-EXIT OSPF task terminated

Explanation:
This error message appears when the XP 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 XP; and that the XP 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:
Contact Enterasys Technical Support.

%OSPF-E-HASHPROB Problem with LSA hash (id=0x*<hex_number>* hash=0x*<hex_number>*) at *<number>*.

Explanation:
This error message appears when the XP experiences an internal error while computing the checksum for an OSPF Link State Advertisement.

Recommended Action:
Contact Enterasys Technical Support.

%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. Either the interface has not been added to OSPF or *<interface_name>* does not match the name or ip-address used to add the interface to OSPF.

Explanation:
An OSPF parameter was configured for an interface that is not recognized by OSPF.

Recommended Action:
Verify that the interface in question was added to OSPF and that the interface name or IP-address used by the offending command is identical to that used to add the interface to OSPF.

%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-IFSALREADYADDED Could not add "all" interfaces to area *<area-name>*. Interfaces have already been added to OSPF areas.

Explanation:
A user attempted to add an interface to more than one OSPF area.

Recommended Action:
Verify which interfaces need to be added to OSPF and re-enter the command.

%OSPF-E-IMPBBONEFAIL Failed to implicitly create the backbone area.

Explanation:
This message appears when the XP experiences an internal error while attempting to implicitly create a backbone area.

Recommended Action:
Contact Enterasys Technical Support.

%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-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-KYWDALLUSED Could not add interface *<interface-name>* to area *<area- name>*. The interface has already been added to area *<area-name>* using keyword "all".

Explanation:
A user attempted to add an interface to more than one OSPF area.

Recommended Action:
Verify which interfaces need to be added to OSPF and re-enter the command.

%OSPF-E-MCASTFAIL Registration of address *<address>* failed for interface *<interface_name>*.

Explanation:
This error message appears when the XP's routing process fails to register addresses necessary for OSPF.

Recommended Action:
Contact Enterasys Technical Support.

%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 XP attempts to perform authentication using MD5, but MD5 is not currently supported for OSPF.

Recommended Action:
Contact Enterasys Technical Support.

%OSPF-E-NBMANBREXISTS NBMA Nbr *<NBMA_name>* already exists for interface *<interface_name>*.

Explanation:
Multiple instances of the same NBMA (Non-Broadcast Multi-Access) neighbor have been added to an interface.

Recommended Action:
Remove one of the duplicate NBMA neighbors.

%OSPF-E-NBMAOVFLNo memory for creating nbma neighbors in interface *<interface_name>*

Explanation:
This error message appears when the command used to add an NBMA neighbor to an interface fails due to a memory allocation error.

Recommended Action:
Try executing the command again. If problem persists, contact Enterasys Technical Support.

%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 displays repeatedly, contact Enterasys Technical Support.

%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 problem persists, contact Enterasys Technical Support.

%OSPF-E-NETWKOVFL No memory for creating networks in area.

Explanation:
This error message appears when the command used to add a network to an area fails due to a memory allocation error.

Recommended Action:
Try executing the command again. If problem persists, contact Enterasys Technical Support.

%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-NOAUTHTYPE No 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.

This message will appear if an authentication-method is *not* specified at either the Area Level or the Interface Level, and you specify an authentication-key. The XP 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 XP attempts to use a router identification number that is undefined or otherwise invalid. Normally, the XP 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-NOSETPOLLINT Polling interval can only be set for Non-Broadcast interfaces.

Explanation:
A poll interval was not set on a non-broadcast interface.

Recommended Action:
Remove the command or specify the interface type as non-broadcast.

%OSPF-E-NOSUCHTASK OSPF task does not exist.

Explanation:
This error message appears when the XP 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 XP; and that the XP 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 XP 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

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-NUMOFBIFERR Number of ifs mismatch (bcast *<number>* nbcast *<number>*) in area *<area_number>*.

Explanation:
The software component that manages OSPF area resources has detected an internal error.

Recommended Action:
If problem persists, contact Enterasys Technical Support.

%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 Enterasys Technical Support.

%OSPF-E-OPTALREADYSET Interface option *<option-name>* has already been set for interface *<intf-name>*.

Explanation:
The interface option requested was already set in a previous command.

Recommended Action:
Verify which value to which the option should be set and re-enter the command.

%OSPF-E-RTRIDCHANGED Router ID changed.

Explanation:
This error message informs the user that the router identification number has changed. Normally, the XP 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-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 displays repeatedly, contact Enterasys Technical Support.

%OSPF-E-SHOSTOVFL No memory for creating stub hosts in area *<area_number>*

Explanation:
This error message appears when the command used to add a stub host to an area fails due to a memory allocation error.

Recommended Action:
Try executing the command again. If problem persists, contact Enterasys Technical Support.

%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-UNKNOWNIFTYPE, The supplied interface type is unknown.

Explanation:
This message appears if the user adds an interface with an unknown type.

Recommended Action:
Check the configuration to determine if the interface was defined properly.

%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 displays repeatedly, contact Enterasys Technical Support.

%OSPF-E-VLINKOVFL No memory for creating virtual links

Explanation:
This error message appears when the command used to add a virtual link fails due to a memory allocation error.

Recommended Action:
Try executing the command again. If problem persists, contact Enterasys Technical Support.

%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-ZEROINTFS No 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.

Chapter 47

PIM Error Messages

This chapter describes the error messages for the PIM facility.

Error Messages

%PIM-E-BSRADDREXISTS, Sparse Component <name> is already configured with a BSR address.

Explanation:
You attempted to assign an additional BSR address to the same component.

Recommended Action:
No action necessary.

%PIM-E-BSROVFL, No memory for creating BSR specification in sparse component.

Explanation:
There is not enough memory remaining to configure the router as a bootstrap router (BSR).

Recommended Action:
Disable features not in use and try again.

%PIM-E-CRPADDREXISTS, Sparse Component <name> is already configured with a CRP address.

Explanation:
You attempted to assign an additional C-RP address to the same component.

Recommended Action:
No action necessary.

%PIM-E-CRPOVFL, No memory for creating CRP specification in sparse component.

Explanation:
There is not enough memory remaining to configure the router as a candidate-RP (C-RP).

Recommended Action:
Disable features not in use and try again.

%PIM-E-DUPBSR, Sparse Component <name> is already configured with a BSR specification.

Explanation:
You attempted to add BSR functionality to a component that already has it.

Recommended Action:
No action necessary.

%PIM-E-DUPCRP, Sparse Component <name> is already configured with a CRP specification.

Explanation:
You attempted to add C-RP functionality to a component that already has it.

Recommended Action:
No action necessary.

%PIM-E-GRPEXISTS, Group <address>/<mask> is already specified in this sparse component.

Explanation:
You attempted to alter C-RP group eligibility but the address/mask pair was already configured on the router.

Recommended Action:
No action necessary.

%PIM-E-GRPNEXIST, Group <address>/<mask> is not specified in this sparse component.

Explanation:
You should not see this error.

Recommended Action:
Contact Enterasys Technical Support.

%PIM-E-GRPOVFL, No memory for creating CRP group in sparse component.

Explanation:
There is not enough memory remaining to configure the C-RP group eligibility.

Recommended Action:
Disable features not in use and try again.

%PIM-E-IFNEXISTS, <interface> is not a known PIM interface.

Explanation:
You attempted to configure interface-specific options on an interface you did not add to PIM.

Recommended Action:
Add the interface to PIM first. If the problem exists or if this message appears under any other circumstances, contact Enterasys Technical Support.

%PIM-E-IFOVFL, No memory for creating interface.

Explanation:
There is not enough memory remaining to configure the interface for PIM.

Recommended Action:
Disable features not in use and try again.

%PIM-E-INVCFG, PIM cannot run because of invalid configuration.

Explanation:
No PIM-configured component is available or the configured component is faulty.

Recommended Action:
Check to see that a PIM component exists or that an existing component is configured properly.

%PIM-E-NOSUCHTASK, PIM task does not exist.

Explanation:
PIM was not running when you attempted to execute a **pim show** command.

Recommended Action:
No action necessary.

%PIM-E-NOVALIDCOMP, No PIM Components with valid configuration.

Explanation:
The configured component used a faulty configuration.

Recommended Action:
Review the configuration and rectify any errors or omissions.

%PIM-E-RPEXISTS, RP for group <address>/<mask> is already specified in this sparse component.

Explanation:
You attempted to add a static RP-mapping that already exists.

Recommended Action:
No action necessary.

%PIM-E-RPGRPNOTMULT, Group <address> is not a multicast address.

Explanation:
You attempted to map a static RP to a group address that was not a multicast address.

Recommended Action:
No action necessary.

%PIM-E-RPNEXIST, RP for group <address>/<mask> is not specified in this sparse component.

Explanation:
You should not see this error.

Recommended Action:
Contact Enterasys Technical Support.

%PIM-E-RPOVFL, No memory for creating RP in sparse component.

Explanation:
There is not enough memory remaining to configure the static RP-mapping.

Recommended Action:
Disable features not in use and try again.

%PIM-E-RPSET_DEP_NOT_VALID, Dependency list for RP-set is not valid

Explanation:
The (*,G) and (S,G,RPT) entries that depend on this RP-set are currently invalid and cannot be displayed.

Recommended Action:
If this condition persists for more than 10-15 minutes, contact Enterasys Technical Support.

%PIM-E-RSTTOOLOW, Register suppression timeout must be > 2*probe period.

Explanation:
The register suppression timeout is set too low. The timeout value must be greater than twice the probe period or greater than 10 (if the probe period is not set).

Recommended Action:
Change the probe period or the register suppression timeout.

%PIM-E-SIFEXISTS, Interface exists in Sparse Component <name>.

Explanation:
You attempted to add an interface to PIM that was already added.

Recommended Action:
No action necessary.

%PIM-E-SIFNOTFOUND, <interface> is not a known interface in Sparse Component <name>.

Explanation:
You should not see this error.

Recommended Action:
Contact Enterasys Technical Support.

%PIM-E-SPARSEEXISTS, Sparse Component <name> already exists (only one component is allowed).

Explanation:
A component configured with the name listed already exists.

Recommended Action:
No action necessary.

%PIM-E-SPARSEHASCRP, Sparse Component *<name>* has candidate-RP configuration. Configuration of static RPs is not allowed.

Explanation:
Configuration including the keyword *crp-on*, *crp-off*, or *crp-addr* and a static RP set is not allowed.

Recommended Action:
Remove either the static RP set configuration or the configuration line containing the keyword *crp-on*, *crp-off*, or *crp-addr*.

%PIM-E-SPARSEHASSTATICRP, Sparse Component *<name>* is configured with static RPs. Candidate-RP or bootstrap router configuration is not allowed.

Explanation:
Configuration including the keyword *crp-on*, *crp-off*, *crp- addr*, *bsr-on*, *bsr-off*, or *bsr-addr* and a static RP set is not allowed.

Recommended Action:
Remove either the static RP set configuration or the configuration line(s) containing the keyword *crp-on*, *crp-off*, *crp-addr*, *bsr-on*, *bsr-off*, or *bsr-addr*.

%PIM-E-SPARSEHASBSR, Sparse Component *<name>* has BSR configuration. Configuration of static RPs is not allowed.

Explanation:
Configuration including the keyword *bsr-on*, *bsr-off*, or *bsr-addr* and a static RP set is not allowed.

Recommended Action:
Remove either the static RP set configuration or the configuration line containing the keyword *bsr-on*, *bsr-off*, or *bsr-addr*.

%PIM-E-SPARSEIFOVFL, No memory for creating interface in sparse component.

Explanation:
There is not enough memory remaining to configure the interface for PIM Sparse-Mode.

Recommended Action:
Disable features not in use and try again.

%PIM-E-SPARSENOBSR, Sparse Component <name> is not configured as a BSR.

Explanation:
You attempted to configure bootstrap router-related functionality (BSR) but the router's configuration makes it ineligible to function as a BSR.

Recommended Action:
Configure the router as a BSR before setting any BSR options. If this error appears under any other circumstances, contact Enterasys Technical Support.

%PIM-E-SPARSENOCRP, Sparse Component <name> is not configured as a CRP.

Explanation:
You attempted to configure a value related to candidate-RP (C-RP) functionality or alter C-RP group eligibility—the router is ineligible to function as a C-RP.

Recommended Action:
Configure the router as a C-RP before setting C-RP options. If this error appears under any other circumstances, contact Enterasys Technical Support.

%PIM-E-SPARSENOTFOUND, Sparse Component <name> is not a known component.

Explanation:
No component with the name specified exists.

Recommended Action:
Check the name or create a new component.

%PIM-E-SPARSEOVFL, No memory for creating sparse components.

Explanation:
There is not enough memory available to configure a PIM component.

Recommended Action:
Disable features not in use and try again.

%PIM-E-SZEROINTFS, No interfaces configured in Sparse Component (<name>). Component (<name>) ignored.

Explanation:
You configured a sparse component without adding any interfaces to it—the component was ignored.

Recommended Action:
Add interfaces to the component or remove the **pim start** command.

%PIM-E-TSKDELETED, PIM task has been deleted (flags=<flags>).

Explanation:
PIM was closing when you attempted to execute a **pim show** command.

Recommended Action:
No action necessary.

%PIM-E-ZEROCOMPS, No PIM Components configured.

Explanation:
There is not a PIM-configured component available.

Recommended Action:
Add a PIM component or remove the **pim start** command.

Chapter 48

Ping Error Messages

This chapter describes the error messages for the Ping facility.

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.

Chapter 49

POLICY Error Messages

This chapter describes the error messages for the POLICY facility.

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.

Error Messages

%POLICY-E-ASPATHALLOCFAIL Malloc failed for aspath.

Explanation:
This error message is displayed when the XP routing process is unable to allocate the necessary memory for autonomous system path (Aspath) specification.

Recommended Action:
Contact Enterasys Technical Support.

%POLICY-E-ASPATHNULL AS Path is null.

Explanation:
An internal error has occurred in the XP routing process.

Recommended Action:
Contact Enterasys Technical Support.

%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-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-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-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-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-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-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-ILLEGALEXPORT Cannot export routes from protocol *<protocol name>* to protocol *<protocol name>*

Explanation:
Cannot export OSPF routes to OSPF.

Recommended Action:
Remove the command from the configuration.

%POLICY-E-IMPFLTNOTFOUND 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-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-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-INVEXPPLCYIDX Invalid export policy index (max *<number>* index *<number>*).

Explanation:
An internal error has occurred in the XP routing process.

Recommended Action:
Contact Enterasys Technical Support.

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

Explanation:
An internal error has occurred in the XP routing process.

Recommended Action:
Contact Enterasys Technical Support.

%POLICY-E-INVIMPFLTIDX Invalid implicit filter index (max *<number>* index *<number>*).

Explanation:
An internal error has occurred in the XP routing process.

Recommended Action:
Contact Enterasys Technical Support.

%POLICY-E-INVIMPFLTRIDX Invalid source-filter index (max *<number>* index *<number>*).

Explanation:
An internal error has occurred in the XP routing process.

Recommended Action:
Contact Enterasys Technical Support.

%POLICY-E-INVIMPPLCYIDX Invalid import policy index (max *\<number\>* index *\<number\>*).

Explanation:
An internal error has occurred in the XP routing process.

Recommended Action:
Contact Enterasys Technical Support.

%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-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-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 message displays repeatedly, contact Enterasys Technical Support.

%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 message displays repeatedly, contact Enterasys Technical Support.

%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-OSPFIMPSRCIDEXIST, OSPF import sources <name1> and <name2> have identical contents.

Explanation:
This error message is received when trying to create two ospf import sources without specifying distinct tags.

Recommended Action:
Remove one of the commands from the configuration.

%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.

%POLICY-E-RIPIMPSRCIDEXIST, RIP import sources <name1> and <name2> have identical contents.

Explanation:
This error message is received when trying to create two rip import sources for one interface.

Recommended Action:
Remove one of the commands from the configuration.

%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.

Chapter 50

Phy_POLL Error Messages

This chapter describes the error messages for the Phy_POLL facility.

Fatal Messages

%PHY_POLL-F-EVWAIT event wait failed with error '%d'

Explanation:
The specified event failed.

Recommended Action:
Contact Enterasys Technical Support.

%PHY_POLL-F-TMRCREATFAIL   timer creation failed with error '%d'

Explanation:
The timer creation failed.

Recommended Action:
Contact Enterasys Technical Support.

%PHY_POLL-F-TMRSTARTFAIL   failed to start timer '0x%x', error '%d'

Explanation:
The indicated event failed to start the timer.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 51

PPP Messages

This chapter describes the error messages for the Point-to-Point Protocol (PPP) facility.

Informational Errors

%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:
Informational message. No action required.

%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:
Informational message. No action required.

Error Messages

% 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:
Note message and contact Enterasys Technical Support.

%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:
Note message and contact Enterasys Technical Support.

%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:
Note message and contact Enterasys Technical Support.

%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:
Note message and contact Enterasys Technical Support.

%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. Note message and contact Enterasys Technical Support.

%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. Note message and contact Enterasys Technical Support.

%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 message and contact Enterasys Technical Support.

%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 Enterasys Technical Support.

%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:
Note message and contact Enterasys Technical Support.

%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:
Note message and contact Enterasys Technical Support.

%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.

Chapter 52

PTY Error Messages

This chapter describes the error messages for the PTY facility.

Warning Messages

%PTY-W-EVGBAD PTY read or write tasks woke up but the event bits were not set.

Explanation:
Tasks woke up but corresponding event bits were not set.

Recommended Action:
Contact Enterasys Technical Support.

%PTY-W-OVERFLOW   pty ring overflowed while interrupts were disabled

Explanation:
Output was lost because interrupts were disabled.

Recommended Action:
Enable interrupts.

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-EVGGET   failed to get events, 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-RINGGONE ring buffer vanished

Explanation:
Memory resources unavailable.

Recommended Action:
Release memory resources.

Chapter 53

QOS Error Messages

This chapter describes the error messages for the Quality of Service facility.

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-PRECEDENCEDEFAULT   Precedence fields set to default

Explanation:
Precedence fields set to default settings profile.

Recommended Action:
Informational message. No action necessary.

Warning Messages

%QOS-W-NOREDSUPPORT RED is not supported on ports *<port_names>*

Explanation:
RED is not supported on the specified ports.

Recommended Action:
Obtain hardware that supports RED.

%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.

Error Messages

%QOS-E-DSTNETWORKNOTSPCFYD Specify 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-FLOWEXISTS   Another policy with same flow specifications already exists

Explanation:
Another policy with the same flow specification exists

Recommended Action:
None.

%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-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-MAXQLEMINQ Maximum queue threshold is less than minimum queue threshold.

Explanation:
The value entered for WRED max-queue-threshold is less than the value selected for the min-queue-threshold.

Recommended Action:
Enter the correct values.

%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-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-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-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-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-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-SAME_PRECE No two fields can have the same precedence.

Explanation:
Two of the fields entered for 'set qos precedence' command have the same priority.

Recommended Action:
Enter different precedence for each field.

%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-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-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.

Chapter 54

RARPD Error Messages

This chapter describes the error messages for the RARPD facility.

Informational Messages

%RARPD-I-MAPNOTFOUND No mapping found for: <hardware_address>:<IP_address>

Explanation:
An RARP request came to the XP and no mapping was found that mapped the hardware address to an IP address.

Recommended Action:
Informational message. No action required.

%RARPD-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 XP replies to an RARP request, for example when it found a mapping and sent a reply.

Recommended Action:
Informational message. No action required.

Warning Messages

%RARPD-W-BADETHERSIP Bad ip address entry in ethers file: %

Explanation:
If an ethers file exists on the boot flash, RARPD will read it. The ethers 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.

%RARPD-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.

%RARPD-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 XP 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.

%RARPD-W-NOHWADDR Hardware address, %02X%02X%02X:%02X%02X%02X, already deleted.

Explanation:
When deleting or negating an rarpd add hardware-address, this warning appears if the hardware address was not found in the internal list of added entries.

Recommended Action:
Verify that the current mappings are correct 'rarpd show mappings.'

Error Messages

%RARPD-E-ALLCONFIGURED   Command not allowed. RARPD enabled on all interfaces.

Explanation:
This error message is displayed when RARPD is already enabled on all interfaces and an attempt is made to enable it on an additional interface.

Recommended Action:
Either negate the line where RARPD has been enabled on all interfaces and reapply to all interfaces (or to a single interface).

%RARPD-E-ALLNOTALLOWED   Command not allowed because RARPD is already enabled on at least one interface.

Explanation:
This error message is displayed if RARPD is already enabled on at least one interface and an attempt is made to enable RARPD on all interfaces.

Recommended Action:
Negate the command just attempted, then negate the existing RARPD set interface commands. Once all RARPD set interface commands are negated, you may enter the RARPD **set interface all** command.

%RARPD-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.

%RARPD-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 XP.

Recommended Action:
Release memory used by other facilities where possible.

%RARPD-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 Enterasys Technical Support.

Chapter 55

Rate Limit Error Messages

This chapter describes the error messages for the rate limit facility.

Informational Messages

%RL-I-CREATED Rate limit policy *<name>* has been successfully created for ACL(s) *<acl list>*

Explanation:
The rate limit policy has been created for the specified ACL(s).

Recommended Action:
Informational message. No action necessary.

%RL-I-DELETED Rate limit policy *<name>* has been successfully deleted for ACL(s) *<acl list>*

Explanation:
The rate limit policy has been deleted for the specified ACL(s).

Recommended Action:
Informational message. No action necessary.

%RL-I-INTERFACE Rate limit policy *<name>* has been successfully attached to/attached from *<interface>* interface

Explanation:
The rate limit policy has been applied to the specified interface.

Recommended Action:
Informational message. No action necessary.

%RL-I-LL_CREATED Port level rate limit policy '%s' has been successfully created.

Explanation:
Port level rate limit policy successfully created.

Recommended Action:
Informational message. No action necessary.

%RL-I-LL_DELETED Port level rate limit policy '%s' has been successfully deleted.

Explanation:
Port level rate limit policy successfully deleted.

Recommended Action:
Informational message. No action necessary.

%RL-I-NOALL No Rate limit policy applied to all IP interfaces

Explanation:
There is no rate limit policy that is applied to all IP interfaces.

Recommended Action:
Informational message. No action necessary.

%RL-I-VLAN_CREATED Vlan rate limit policy \<name\> has been successfully created for VLAN \<name\>.

Explanation:
Informational message only.

Recommended Action:
No action necessary.

%RL-I-VLAN_DELETED Vlan rate limit policy \<name\> has been successfully deleted for VLAN \<name\>.

Explanation:
Informational message only.

Recommended Action:
No action necessary.

Warning Messages

%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 IP ACLs only.

Error Messages

%RL-E-ACLNOTFOUND Rule *\<acl\>* not present

Explanation:
The specified ACL is not found.

Recommended Action:
Check the ACL name and make sure it exists.

%RL-E-ALREADY_APPLIED The policy is already applied to the interface

Explanation:
A rate limiting policy being applied to an interface is already applied to the same interface. A policy is applied to an interface explicitly using CLI command.

Recommended Action:
Make sure that the policy or one of its children policies is not applied to the interface to which the policy is being applied.

%RL-E-AGGRSUPPORTED Module on which Interface exists supports Aggregate rate limiting, you must use this instead of flow-aggregate

Explanation:
The module on which the interface exists supports Aggregate rate limiting. When the hardware supports Aggregate rate limiting, you may not implement a Flow-aggregate rate limiting policy.

Recommended Action:
Create and apply an Aggregate rate limiting policy for this interface.

%RL-E-APPLIED Rate limit policy has other commands attached -- negate these commands first

Explanation:
The rate limit 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.

%RL-E-APS_PROTECTION Port level rate limit policy cannot be specified on APS Protection port(s) *<port>*. Please specify only the APS Working port(s).

Explanation:
Port level rate limiting is not allowed on APS Protection port(s).

Recommended Action:
Use the APS Working port(s) for the policy.

%RL-E-BADINTF Parent applied on a port not in this interface

Explanation:
One of the parent policies, of the policy being applied on an interface, is a link level policy configured on a port that is not in the interface to which this policy is being applied. If a child policy having link level as parent is being applied to an interface then port, on which the link level policy is configured, should be in the interface on which child policy is being applied.

Recommended Action:
Make sure that if this policy has a parent policy as link level policy or parent's parent is a link level policy then that policy is configured on a port that is in the interface to which this policy is being applied.

%RL-E-BKTA_INUSE Input Port Level Rate Limiting resources are in use by Aggregate Rate Limiting policies on modules *<module_name>*. Please detach some aggregate policies from the modules.

Explanation:
Resources needed for input port level rate limiting are being used by aggregate rate limiting policies on the specified modules.

Recommended Action:
Detach some aggregate policies from the modules.

%RL-E-BKTUSED All resources (bucket) required by the policy <name> are in use.

Explanation:
Resources needed, for this aggregate or default rate limiting policy to work, are already in use by some other rate limit policy.

Recommended Action:
Resources are shared among various link level and aggregate rate limit policies. If the resource is already in use then new aggregate or default rate limit policy can not be made to work. Please read Rate Limiting documentation to learn more about how it works and what its restrictions are.

%RL-E-CHILDEXISTS One or more children of this policy exist

Explanation:
A rate limiting policy being deleted already has an existing child. All children policies need to be deleted before a policy can be deleted.

Recommended Action:
Make sure that you delete all the children policies of this policy before deleting this policy.

%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 rate limiting policy is being created with a rate limit that is more than (parent's rate - sum of all peer's rate). Sum of rates of all children of the same policy should be less than or equal to parent's rate.

Recommended Action:
Make sure that the rate of policy being created is less than or equal to (parent's rate - sum of all peer's rate). Set rate of this policy so that when added to other children of the parent policy does not exceed rate of the parent policy.

%RL-E-DSTMODE One of the ACLs in this policy has src socket, dst socket or src address specified and *<interface>* has a port in Destination Flow Mode.

Explanation:
Filters cannot be applied to ports in IP destination flow mode.

Recommended Action:
Change the mode for the offending port(s).

%RL-E-DUPLICATE Policy *<policy_name>* already exists with the same acl and action.

Explanation:
A duplicate policy was detected and the command was ignored.

Recommended Action:
Negate the duplicate policy.

%RL-E-HASAPARENT This policy already has *<name>* as a parent.

Explanation:
A 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 as it already has one.

%RL-E-HSTMODE One of the ACLs in this policy has src socket or src address specified and *<interface>* has a port in Host Flow Mode.

Explanation:
Filters cannot be applied to ports in IP host flow mode.

Recommended Action:
Change the mode for the offending port(s).

%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/ports on modules *<module_name>*. Please delete them before changing the mode.

Explanation:
There are input port level policies or aggregate rate limiting policies attached to interface(s)/port(s) on the specified modules, so the rate limiting mode cannot be changed to per flow.

Recommended Action:
Remove the port level policy/aggregate rate limit from the interface(s)/port(s).

%RL-E-INFLOWMODE Cannot change rate limiting mode to 'Aggregate' as there are Per Flow rate limiting policies configured. Please delete them before changing the mode.

Explanation:
The XP currently has some 'Per Flow' rate limiting policies configured and user is trying to change the mode. This is not allowed. Before changing the mode, all the policies in current mode should be deleted.

Recommended Action:
Delete all 'Per Flow' rate limiting policies before changing the mode to 'Aggregate'.

%RL-E-INTF_ERROR Please check that interface <name> is working correctly

Explanation:
Interface, to which a rate limiting policy is being applied, is not working properly.

Recommended Action:
Make sure that the interface, to which this policy is being applied, is up and working properly.

%RL-E-INVALIDTYPE Policy *<policy_name>* already exists as a different type.

Explanation:
A policy cannot be redefined to a different type.

Recommended Action:
Use a unique name for the new policy.

%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 at level 1. Only policies that are at level 1 or root can be parent of a default policy.

Recommended Action:
Make sure that the parent policy, of this default policy, is a level 1 or a root policy.

%RL-E-LL_EXISTS Rate limit policy <name> already exists

Explanation:
User is trying to create a rate limit policy using a name by which another policy already exists.

Recommended Action:
Make sure that the name used for the new rate limit policy is not the same as that of another rate limit policy.

%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 an
interface that is configured on vlan or ports that are on more than one channel (slots).

Recommended Action:
Make sure that the interface, to which a policy is being applied, is configured on a vlan or ports that are on the same slot.

%RL-E-NO_AGGR_ON_TRUNK Aggregate rate limiting not allowed on trunk port *<port>*.

Explanation:
Aggregate rate limiting is not allowed on trunk ports.

Recommended Action:
Remove the port from the smart trunk.

%RL-E-NOAGGRAPPLY Aggregate rate limiting policy can not be applied to all interfaces.

Explanation:
An aggregate 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 an aggregate rate limiting policy to all IP interfaces.

%RL-E-NOAGGRPARENT One of the parents is aggregate rate limiting policy and can not be applied to all interfaces

Explanation:
Parent or parent's parent policy of the policy being applied to all interfaces is an aggregate rate limiting policy and can not be applied to all interfaces. Aggregate policies can not be applied to all interfaces.

Recommended Action:
If a policy is being applied to an interface then make sure that its parent or its parent's parent is not an aggregate rate limiting policy.

%RL-E-NOAGGRSUPPORT Modules, *<module_name>* do not have support for Aggregate Rate Limiting.

Explanation:
The specified modules do not support aggregate rate limiting.

Recommended Action:
Use per flow based rate limiting if appropriate.

%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 in 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 problem persists, contact Enterasys 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-NOPOLICY No rate limit policy applied to interface *<name>*

Explanation:
No rate limit policy is applied to the specified interface.

Recommended Action:
Specify an interface to which a rate limit policy is applied.

%RL-E-NOPORTINFO No information for interface *<name>*

Explanation:
There is no information available for the specified interface.

Recommended Action:
Make sure that the interface exists.

%RL-E-NOPORTSVLAN There are no ports currently tied to vlan <name>.

Explanation:
User is trying to apply a vlan rate limit policy to a vlan that has no ports tied to it.

Recommended Action:
Make sure that the specified vlan has active ports tied to it.

%RL-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.

%RL-E-NOSUCHMODULE Invalid or unoccupied module number specified: *<module_number>*.

Explanation:
The specified module number is invalid or contains no module.

Recommended Action:
None.

%RL-E-NOSUCHRULE Could not find rate limit policy *<name>*

Explanation:
The specified rate limit policy name does not exist.

Recommended Action:
Make sure that the rate limit policy name is valid.

%RL-E-NOSUCHVLAN Vlan <name> does not exist.

Explanation:
The specified VLAN is not found.

Recommended Action:
Check the VLAN name and make sure it exists.

%RL-E-NOTINAGGRMODE Modules on which Interfaces/Ports exist are not in 'Aggregate' Rate Limiting mode. To change the mode use the 'system enable aggregate-rate-limiting' command.

Explanation:
Modules for aggregate rate limited interfaces must be in aggregate rate limiting mode.

Recommended Action:
Use the 'system enable aggregate-rate-limiting' command.

%RL-E-NOTAGGRORFLOW Policy *<name>* is not an aggregate or a flow or a default policy

Explanation:
Rate limiting policy that is being applied to an interface is not an aggregate or a flow or a default policy. Only these type of policies can be applied to an interface.

Recommended Action:
Make sure that the policy being applied to an 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 that can become parents are either aggregate policies or input link level policies.

Recommended Action:
Make sure that policy specified as parent is either of the two types.

%RL-E-NOTINFLOWMODE System is not in 'Per Flow' Rate Limiting mode. To change the mode negate 'system enable aggregate-rate-limiting' command.

Explanation:
The XP is currently not in 'Per Flow' mode of rate limiting. There are two modes of rate limiting: 'Per Flow' and 'Aggregate'. In 'Per Flow' XP does rate limiting on per flow basis and in 'Aggregate' mode XP does Port Level and Aggregate rate limiting. This error is given if user tries to create Per Flow rate limiting policies when in 'Aggregate' rate limiting mode.

Recommended Action:
Change XP's rate limiting mode to 'Per Flow' by negating the command 'system enable aggregate-rate-limiting.' 'Per Flow' mode is the default mode.

%RL-E-NOTINLINKMODE System is not in 'Aggregate' rate limiting mode. To change the mode use 'system enable aggregate-rate-limiting command.

Explanation:
The XP is currently not in 'Aggregate' mode of rate limiting. This error would be given when user tries to create Aggregate or Input Port Level rate limiting policies while the XP is in 'Per Flow' mode. There are two rate limiting modes. 'Per Flow' which is default and does per flow rate limiting. The other 'Aggregate' mode does Aggregate and Input Port Level rate limiting. To create Aggregate or Input Port Level rate limiting policies user should first change the rate limiting mode to 'Aggregate'.

Recommended Action:
Before creating any Aggregate or Input Port Level rate limiting policies, change the XP's rate limiting mode to 'Aggregate' by using 'system enable aggregate-rate-limiting' command.

%RL-E-NOTLINKLEVEL Policy <name> is not a Link Level Policy

Explanation:
User is trying to display a non link level rate limit policy using rate-limit show link-level policy-name <name> command.

Recommended Action:
Make sure that policy name given in the command is a link level policy.

%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 or parent's parent is an aggregate or default policy, is being applied to an interface that is configured on a vlan or ports that belong to more than one channels (slots). Aggregate and default rate limit policies can not be applied to an interface that is configured on a vlan or ports that are on different channels (slots).

Recommended Action:
Make sure 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 a vlan or ports that belong to different channels (slots).

%RL-E-PORTBKTUSED Rate limiting resources for ports *<name>* are already in use. Ignoring all.

Explanation:
Resource needed, for a link level policy to work, is already in use by some other rate limit policy. Ignoring all the ports in the command.

Recommended Action:
Resources are shared among various link level and aggregate rate limit policies. If the resource is already in use then new link level policy can not be configured. Please read Rate Limiting documentation to learn more about how it works and what its restrictions are.

%RL-E-PORTLEVEL_ALREADYDISABLED Input Port Level Rate Limiting is already disabled on modules *<module_name>*.

Explanation:
Input port level rate limiting is already disabled for the specified module.

Recommended Action:
None.

%RL-E-PORTLEVELPOLICIES Cannot disable Input Port Level Rate Limiting as there are Input port level policies on modules *<module_name>*.

Explanation:
Cannot disable input port level rate limiting because there are port level policies on the modules.

Recommended Action:
Remove the input port level rate limiting policies before disabling input port level rate limiting.

%RL-E-PORTNOTINVLAN Port <port-name> is not a member of vlan <name>.

Explanation:
User is trying to create a vlan rate limit policy on a port that is not currently tied to the specified vlan.

Recommended Action:
Make sure the specified port is a member of the specified vlan.

%RL-E-RATE_UNAVAIL No rate available with parent

Explanation:
A default rate limiting policy is being create wherein all of the rate of the parent policy is already consumed by other children of the parent policy.

Recommended Action:
Reduce rate of one of the children policies of the parent policy that is being made parent of this default policy.

%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. Make sure that less than 20 ACLs are specified.

%RL-E-VLANNOTL4BDG Vlan \<name> is not in L4 bridging mode.

Explanation:
User is trying to create a vlan rate limit policy using a vlan that does not have L4 bridging enabled on it.

Recommended Action:
Make sure that the vlan, to which the policy is being applied, has L4 bridging enabled.

%RL-E-VRL_EXISTS Vlan rate limit policy \<name> already exists.

Explanation:
User is trying to create a vlan rate limit policy using a name by which another policy already exists.

Recommended Action:
Make sure that the name used for the new vlan rate limit policy is not the same as that of another vlan rate limit policy.

Chapter 56

RCP Error Messages

This chapter describes the error messages for the RCP facility.

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.

Warning Messages

%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.

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 displays repeatedly, contact Enterasys Technical Support.

%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-CONN RCMD: Could not connect to address: *<address>*

Explanation:
This message appears when the XP could not connect to the RCP server.

Recommended Action:
The RCP server is busy, try again later.

%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-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 XP 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 XP 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 displays repeatedly, contact Enterasys Technical Support.

%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-UNKNOWN_SERV Unknown service: '*<service-name>*'/tcp

Explanation:
Port for the specified TCP service could not be found. You should never see this message.

Recommended Action:
Contact Enterasys Technical Support.

%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.

Chapter 57

RDISC Error Messages

This chapter describes the error messages for the RDISC facility.

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 memory for creating addresses

Explanation:
The maximum number of addresses that can be configured for RDISC has been reached or the system is out of memory. (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 memory for creating interfaces

Explanation:
The maximum number of interfaces that can be configured for RDISC has been reached or the system is out of memory.

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-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 (flags=0x)

Explanation:
RDISC has not started. Flags indicate the state of the task:

> bit 1 = waiting for accepts
> bit2 = waiting for connects
> bit 3 = task has been deleted
> bit4 = low priority reads enabled.

Recommended Action:
Start RDISC using the 'rdisc start' command.

Chapter 58

Resolver Error Messages

This chapter describes the error messages for the Resolver facility.

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-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.

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.

Chapter 59

RIP Error Messages

This chapter describes the error messages for the Routing Information Protocol facility.

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-OBJMISS RIP object to be displayed must be specified.

Explanation:
Insufficient information provided while executing the **rip show** CLI 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.

Chapter 60

RMON Error Messages

This chapter describes the error messages for the Remote Network Monitoring facility.

Note: See the SNMP chapter for additional RMON messages.

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 XP.

Recommended Action:
Informational message. No action required.

%RMON-I-ENABLED RMON has been enabled.

Explanation:
RMON is enabled on the XP.

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 XP.

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.

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-RMON_MEM, RMON memory max'ed out. You may want to add more memory to RMON.

Explanation
RMON has reached its maximum allocated memory and can not fill any more entries in its tables.

Recommended action
Allocate more memory with the RMON set memory command, limit the number of entries in the tables, or reduce the number of ports that you are collecting data on. 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 XP has accepted a reboot request via SNMP from the specified host IP system.

Recommended Action:
No action required.

%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.

Error Messages

%RMON-E-ALIGN Request for unaligned memory of size <number> bytes rounded up.

Explanation:
Internal error.

Recommended Action:
Contact Enterasys Technical Support.

%RMON-E-DS_BIND Cannot add *<name>* index *<number>* row - could not bind data source ifIndex *<number>*.

Explanation:
A system error occurred.

Recommended Action:
Contact Enterasys Technical Support.

%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-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-INVALIDOPTION, Due to hardware restrictions, 'out-errors' option is no longer valid.

Explanation:
Due to hardware restrictions, the *out-errors* option is no longer valid. You cannot collect data with this option.

Recommended Action:
None. This option can not be used.

%RMON-E-NETFLOWENABLED, Cannot set RMON Professional if NETFLOW Service is enabled.

Explanation:
This error message appears when you try to configure the XP with RMON Professional and NetFlow Service is enabled, or when you try to enable RMON when RMON Professional is configured and NetFlow is enabled.

Recommended action:
Disable NetFlow Service. You cannot configure NetFlow Service and RMON Professional together because RMON Professional clears counters that NetFlow monitors.

%RMON-E-NOMEM Reached max of *<number>* Meg, *<?>* - Index(*<index>*).

Explanation:
The XP 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-NOSYSMEM No more memory available on system.

Explanation:
The system 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-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:
Contact Enterasys Technical Support.

Chapter 61

SAM Error Messages

This chapter describes the error messages for the Security Attack Monitor (SAM).

Information Messages

%SAM-I-STATUS Service Availability Manager is <*"enabled" or "disabled"*>

Explanation:
This message indicates the current status (enabled or disabled) of the Service Availability Manager (SAM).

Recommended Action:
Informational message only, no action required.

Warning Messages

%SAM-W-ACTIVATED Service Availability Manager activated by port *<port-number>*, rate-limiting ports *<port-list>*

Explanation:
The X-Pedition experienced a significant amount of network traffic for an extended duration and activated the Service Availability Manager (SAM). Examples of excessive network traffic include Denial of Service (DoS) attacks and network management stations (NMS) configured to aggressively contact all devices on a network.

Recommended Action:
Monitor the activated port for abnormal network usage and identify its source—your action will depend on your security policy. If your investigation reveals that SAM activated prematurely, increase SAM's activation delay.

%SAM-W-DEACTIVATED Service Availability Manager deactivated on ports *<port-list>*

Explanation:
The Service Availability Manager (SAM) was deactivated on the specified ports, indicating that excessive network traffic has ceased.

Recommended Action:
No action necessary. However, if evidence suggests that SAM deactivated prematurely, increase SAM's deactivation delay.

Chapter 62

Serial Input/Output Driver Error Messages

This chapter describes the error messages for the Serial Input/Output port of a control module. These messages could apply to either the front panel serial port or the internal debug serial port.

Fatal Messages

%SIO-F-EVGBAD unexpected events seen, expected 0x%x, seen 0x%x

Explanation:
Unexpected events seen while waiting for serial i/o device to either read or write.

Recommended Action:
Contact Enterasys Technical Support

%SIO-F-EVGCREAT failed to create driver event group, sts=0x%x

Explanation:
Failed to create an event flag group for blocking reads to make scanf() and getchar() work correctly by blocking until data is available. Failure occurred during initialization of the serial port i/o driver.

Recommended Action:
Check control module's serial port.

%SIO-F-EVGGET failed to get events, sts=0x%x

Explanation:
Failed to retrieve events from serial i/o devices. Either waiting for transmit or device write.

Recommended Action:
Contact Enterasys Technical Support

%SIO-F-EVGSET failed to set events, sts=0x%x

Explanation:
Failed to set flags or events during serial i/o high level interrupt service routine or while writing to physical interface chip.

Recommended Action:
Contact Enterasys Technical Support

%SIO-F-HISRFAIL failed to create driver HISR, sts=0x%x

Explanation:
Failed to create high level interrupt service routine for serial i/o port, either front panel serial port[0] or debug serial port[1].

Recommended Action:
Contact Enterasys Technical Support

%SIO-F-LISRFAIL failed to register driver LISR, sts=0x%x

Explanation:
Failed to register low level interrupt service routine while initializing serial i/o driver.

Recommended Action:
Contact Enterasys Technical Support

%SIO-F-NOBUFMEM not enough memory to allocate typeahead buffer

Explanation:
Couldn't allocate memory for the serial i/o queue.

Recommended Action:
Check control module's serial port. Review system memory requirements.

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

Explanation:
Could not allocate memory for the high level interrupt service routine's stack. Failure occurred during initialization of the serial port i/o driver.

Recommended Action:
Check control module's serial port. Review system memory requirements.

Chapter 63

Serial (WAN) Error Messages

This chapter describes the error messages for the Serial facility used by the WAN software.

Informational Messages

%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-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.

Warning Messages

%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 Enterasys Technical Support.

%SERIAL-W-EGRESS_DEC_SEND dec_send (wan to xp) failed

Explanation:
The WAN card could not send a packet to the main XP.

Recommended Action:
If this message appears repeatedly, contact Enterasys Technical Support.

%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-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_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-EGRESS_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-EGRESS_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-EGRESS_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-HDLC_DRIVER *<text>*

Explanation:
Generic warning message from the serial card's HDLC driver.

Recommended Action:
If this message appears repeatedly, contact Enterasys Technical Support.

%SERIAL-W-HIFN_DRIVER *<text>*

Explanation:
Generic warning message from the serial card's HIFN driver.

Recommended Action:
If this message appears repeatedly, contact Enterasys Technical Support.

%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 Enterasys Technical Support.

%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_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_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 XP and the peer should be on the same IP subnet.

Error Messages

%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 command fails, hotswap the WAN module. If problem persists, contact Enterasys Technical Support.

%SERIAL-E-CLI_MAX_COMPENCR cli: Reached maximum number of ports/vc's with compression/encryption.

Explanation:
The maximum number of ports/vc's with compression and/or encryption enabled has been exceeded.

Recommended Action:
Disable encryption and/or compression on some vc's or ports until you are below the limit. The command "frame-relay|ppp show stats port *<port>*" can be used to see whether or not it is disabled on a port.

%SERIAL-E-CLI_VCCOMP cli: port %d vc %d already has compression enabled.

Explanation:
Attempt to apply compression on a vc with compression already enabled.

Recommended Action:
Check the configuration to ensure that there is no duplication of enabling compression. For example, you would see this message if you have set compression on se.5.1.100 and then you try and save the command "frame-relay set payload-compress ports se-5.1.(100-105)." Warning: if you get this message, the command that you tried to save may not have been executed. You may wish to use "frame-relay show stats port*<port>*" to check which vc's have compression enabled or disabled.

%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:
Contact Enterasys Technical Support.

%SERIAL-E-EGRESS_PPP_DEC_FAIL egress: failed to forward on port *\<name>*

Explanation:
PPP packet received can't be forwarded.

Recommended Action:
Contact Enterasys Technical Support.

%SERIAL-E-IPC_SEND_FAILED IPC send failed in routine *\<name>* with code *\<number>*

Explanation:
XP 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-MLP_PORT_SET port %d is a member of %s which already has %s enabled.

Explanation:
The message appears when you try to set a feature (such as encryption) on a port, but the feature is already enabled on the bundle which contains that port.

Recommended Action:
Check the configuration to ensure that a feature is enabled only once on a port.

%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:
None.

%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-PHY_PORT_SET %s member port %d already has %s enabled.

Explanation:
An attempt was made to enable a feature on a bundle which contains a port with that feature already enabled. You can enable features only once on a port.

Recommended Action:
Check the configuration and make sure that if you want to enable a feature on a bundle (e.g., compression or encryption), the bundle does not contain ports with that feature already enabled.

%SERIAL-E-SAMEADDR local address (%s) and peer address (%s) are the same.

Explanation:
An attempt was made to use the same address for the local address and the peer address.

Recommended Action:
Check the configuration and make sure that the peer address and local address on the WAN interface are not the same.

%SERIAL-E-WAN_FRVLAN port (%d) vc (%d) could not be added to vlan (%d) since it is already assigned to vlan (%d).

Explanation:
An attempt was made to add a frame relay port and vc to a vlan when it was already assigned to a different vlan.

Recommended Action:
Check the configuration and make sure that the frame relay port is assigned to only one vlan. The vlan show command can be used to see which vlan the port is assigned to.

%SERIAL-E-WAN_NO_MEM can't allocate memory on wan card

Explanation:
Ran out of memory on WAN card.

Recommended Action:
Contact Enterasys Technical Support.

%SERIAL-E-WAN_PPPVLAN port (%d) could not be added to vlan (%d) since it is already assigned to vlan (%d).

Explanation:
An attempt was made to add a ppp port to a vlan when it was already assigned to a different vlan.

Recommended Action:
Check the configuration and make sure that the ppp port is assigned to only one vlan. The vlan show command can be used to see which vlan the port is assigned to.

Chapter 64

SmartTRUNK Error Messages

This chapter describes the error messages for the SmartTRUNK facility.

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.

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-AGINGERROR SmartTRUNK *\<name\>* aged out due to *\<string\>*, probable misconfiguration

Explanation:
This message is displayed when the Hunt Group protocol receives an invalid control message. The SmartTRUNK is brought down as a result of this.

Recommended Action:
Check connection and remote switch state.

%STRNK-W-CDPPORTSTATE CDP is configured on one or more ports being added to the SmartTRUNK. The CDP state on the port(s) will now reflect the state of the SmartTRUNK as a whole. Use the "cdp set port-status" command to configure CDP on the SmartTRUNK.

Explanation:
In order for CDP to function over a SmartTRUNK, users must configure CDP on the SmartTRUNK as a whole, not on the individual ports. If a user adds CDP-configured ports to a SmartTRUNK, the CDP state of the ports will change to match the current CDP state of the SmartTRUNK.

Recommended Action:
Configure CDP on all ports in the SmartTRUNK by setting the CDP port-state on the SmartTRUNK (e.g., **cdp set port-status port st.1 status enable**).

%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.

Error Messages

%STRNK-E-AGGEXISTS Aggregator parameters already set for this SmartTRUNK, remove other command first.

Explanation:
This message appears if you already set the parameters for the aggregator on this SmartTRUNK with a smarttrunk **lacp aggregator command**.

Recommended Action:
To change these parameters, negate the existing command.

%STRNK-E-ALIASATTACHED, The SmartTRUNK '<name>' has an associated SNMP ifAlias. The ifAlias must be removed before removing the SmartTRUNK.

Explanation:
This error will occur if you attempt to negate a "smarttrunk create" command for an interface that has been assigned an alias via the "snmp set if-alias" command.

Recommended Action:
Negate the "snmp set if-alias" command before negating the "smarttrunk create" command.

%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 Enterasys Technical Support.

%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-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-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-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 Enterasys Technical Support.

%STRNK-E-LACPADDPORTS Ports are added to an LACP SmartTRUNK dynamically, use the lacp actor-parameters command.

Explanation:
This message appears when you attempt to add ports to an LACP SmartTRUNK using the **smarttrunk add ports command**.

Recommended Action:
Ports join a LAG on an LACP smarttrunk dynamically. You must set the actor port parameters using the smarttrunk **lacp actor-parameters command** to determine which LAGs a port will be able to join.

%STRNK-E-LACPKEYCNFLCT Actor-key conflicts with the default key for this port-type, please choose another.

Explanation:
This message appears when you choose the default key for a 10-100 port and the port is a gig-port (or vice versa).

Recommended Action:
Choose a key that does not conflict with these default values.

%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 Enterasys Technical Support.

%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-NOLACP SmartTRUNK was not created with the LACP protocol

Explanation:
This message appears if you try to set LACP parameters for a SmartTRUNK that was not created with the LACP protocol.

Recommended Action:
To set the LACP protocols, the SmartTRUNK must be created with the LACP protocol using trhe command, "smarttrunk create <name> protocol lacp."

%STRNK-E-NOMEM Out of memory, cannot transmit control packets

Explanation:
The link group task cannot allocate memory.

Recommended Action:
Contact Enterasys Technical Support.

%STRNK-E-NON_ENET 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-NOSUPPORT This port *<port name>* does not Support the *<SmartTrunk protocol>* protocol.

Explanation:
This message appears when a user attempts to add a port to a SmartTRUNK but the SmartTRUNK protocol selected does not support ports of this type.

Recommended Action:
Select a different SmartTRUNK protocol for the port.

%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-PORTISLACP LACP is enabled on port [port-label], you must first disable LACP on this port

Explanation:
This message is displayed when trying to add ports to a SmartTRUNK that have LACP enabled on them already.

Recommended Action:
The user must negate the SmartTRUNK lacp actor-parameters command that enabled LACP on this port before adding the port to another 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 Enterasys Technical Support.

%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.

Chapter 65

SNMP Error Messages

This chapter describes the error messages for the Simple Network Management Protocol facility.

Information Messages

%SNMP-I-DSCVR_ENGINE, SNMP will attempt to discover the engine-id for the agent at: <IP Address>

Explanation:
This message appears when the router attempts to "discover" the engine-id of another SNMP entity by sending a discovery packet to the specified address. If the router receives a response, it will print the ENGINE_DSCVRD error log message.

Recommended Action:
Informational message. No action required.

%SNMP-I-DS_REGISTERED RMON Data Source registered.

Explanation:
RMON data source is registered on the X-Pedition.

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 X-Pedition.

Recommended Action:
Informational message. No action required.

%SNMP-I-ENGINE_DSCRVD, SNMP has just discovered an engine- id for: 10.136.136.210 Engine-ID = 0x80:00:07:e5:80:09:86:da:7f:92:1b:58:3d

Explanation:
The X-Pedition does not turn on SNMP immediately after booting; rather, it allows the router to settle and begin normal operations. Once the initial delay is over and the router begins sending and receiving SNMP packets, this message will appear each time the router learns about a remote SNMP engine-ID. This can occur for several reasons, but the most common is a result of a discovery packet that the router sent. Discovery packets occur when users configure an SNMPv3 inform target using the **snmp set target** command or when users enter the **snmp show engine-id x** command where x is an IP address of a remote SNMP entity.

Recommended Action:
Informational message. No action required.

%SNMP-I-ENABLED SNMP Agent enabled

Explanation:
The SNMP Agent on the X-Pedition has started.

Recommended Action:
Informational message. No action required.

%SNMP-I-ENTIRE_REPLACEMENT, SNMP will now completely negate the existing configuration and replace it with the new configuration.

Explanation:
Using the cfgTransferOp mib to add or negate unique commands from both the old and new configurations was unsuccessful. SNMP will now completely negate the existing configuration and replace it with the new one—this may take a moment and protocol reconvergence will be necessary. The X-Pedition will suppress console messages during this operation.

Reccomended Action:
Informational message. No action required.

%SNMP-I-NAME_ASSIGNED Target has been assigned the name <target-name>

Explanation:
This message appears when you add a new SNMP target to the active configuration but fail to specify a target name. In such instances, the router will assign a name to the target.

Recommended Action:
Informational Message. No action required.

%SNMP-I-REPLACING_CONFIGURATION, SNMP is about to replace your active and startup configurations as a result of setting MIB variable cfgActivateFile.

Explanation:
This message appears when a user sets cfgActivateFile to 1. This message informs the user that someone is about to replace the active configuration with a new version. Because the new configuration may be very different from the active configuration, the router may not run properly.

Recommended Action:
Informational Message only, no action required.

%SNMP-I-REPLACEMENT_COMPLETE, The new file has been successfully added to the startup and active configuration through the SNMP.

Explanation:
The configuration transfer via the cfgTransferOp OID was successful. The configuration loaded from the tftp-server is now the active and startup configuration file.

Recommended Action:
Informational Message only, no action required.

%SNMP-I-RMON_ENABLED RMON agent enabled.

Explanation:
The RMON agent on the X-Pedition has initialized and is ready to accept RMON commands from the CLI.

Recommended Action:
Informational message. No action required.

%SNMP-I-TRAP_SENT, Sending *<notification-type>* notification to management station

Explanation:
The SNMP agent sent the specified notification (trap or inform) to the management station.

Recommended Action:
Informational message. No action required.

Audit Messages

%SNMP-A-COMMAND_ADD "SNMP Agent command (%s) added to configuration"

Explanation:
An SNMP configuration command was added to the active configuration.

Recommended Action:
Security audit message. No action necessary.

%SNMP-A-COMMAND_FAIL "SNMP Agent command (%s) failed to execute"

Explanation:
An SNMP configuration command failed to execute when added to the active configuration.

Recommended Action:
Check the command options and syntax and try the command again.

%SNMP-A-COMMAND_MOD "SNMP Agent command (%s) modified existing command"

Explanation:
An SNMP configuration command in the active configuration was modified.

Recommended Action:
Security audit message. No action necessary.

%SNMP-A-COMMAND_REM "SNMP Agent command (%s) removed from configuration"

Explanation:
An SNMP configuration command was removed from the configuration.

Recommended Action:
Security audit message. No action necessary.

Warning Messages

%SNMP-W-GENERAL_WARNING <General warning message>

Explanation:
The SNMP Agent detected an unexpected condition while processing a request or sending a trap.

Recommended Action:
Contact Enterasys Technical Support

%SNMP-W-RMON_DISABLED RMON Agent resource allocation failure.

Explanation:
RMON agent resource allocation has failed.

Recommended Action:
Contact Enterasys Technical Support.

%SNMP-W-RMON_MEM, RMON memory max'ed out. You may want to add more memory to RMON.

Explanation
RMON has reached its maximum allocated memory and can not fill any more entries in its tables.

Recommended action
Allocate more memory with the RMON set memory command, limit the number of entries in the tables, or reduce the number of ports that you are collecting data on. Verify the memory with the RMON show status command.

Error Messages

%SNMP-E-ACCESS_NOT_FOUND, The specified group could not be found

Explanation:
Internal error. A specific group or vacmAccessEntry could not be found during handling of an SNMP operation.

Recommended Action:
Please contact Enterasys Technical Support.

%SNMP-E-ADD_TARGET_FAIL   Add target failed reason=<reason>

Explanation:
Adding an SNMP target failed.

Recommended Action:
Verify that the target parameters are correct and reenter command.

%SNMP-E-BAD_KEYFILE, The USM keyfile appears to be corrupt

Explanation:
An error occurred while reading a file from the VFS file system. This error may prevent SNMPv3 users from being able to authenticate with the router.

Recommended Action:
Reconfigure the SNMPv3 user accounts that are using authentication or privacy.

%SNMP-E-BADIFNAME, No existing interface named '<name>' could be found

Explanation:
This error indicates that the specified interface name does not match the name of any existing interfaces.

Recommended Action:
Check to be sure the interface exists and its name is spelled correctly.

%SNMP-E-COM_NOT_FOUND The specified community could not be found

Explanation:
This internal error indicates that a specific community entry could not be found during handling of an SNMP operation.

Recommended Action:
Please contact Enterasys Technical Support.

%SNMP-E-DS_REG_FAILED Internal Error Data Source NOT registered.

Explanation:
The X-Pedition 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-FILTER_NOT_FOUND, The specified filter could not be found

Explanation:
Internal error. A specific filter entry could not be found during handling of an SNMP operation.

Recommended Action:
Please contact Enterasys Technical Support

%SNMP-E-GENERAL_ERROR <General error message>

Explanation:
The SNMP Agent detected an error while processing a request or sending a trap.

Recommended Action:
Contact Enterasys Technical Support

%SNMP-E-INVALID_ENGINEID, The Engine-ID that was specified is not valid

Explanation:
This message indicates that an error occurred while reading an Engine-ID value. The supplied value did not appear to be a valid Engine-ID.

Recommended Action:
Try entering the command again. Engine-IDs should be entered in hexadecimal notation (e.g., 0x00:00:15:f8:00:00:00:e0:63:66:ca:b1).

%SNMP-E-INVALID_MASK, The specified mask is not valid

Explanation:
An error occurred while reading a mask value. The supplied value did not appear to be a valid mask.

Recommended Action:
Try to enter the command again. Masks should be entered in hexadecimal notation (e.g., 0xa0:b1:c2:d3).

%SNMP-E-INVALID_OID <character-string> is not a valid OID

Explanation:
This message indicates that an error occurred while reading an OID value. The supplied value did not appear to be a valid OID.

Recommended Action:
Try entering the command again. OIDs should be entered in dot notation (i.e., 1.3.6.1).

%SNMP-E-KEYFILE_RD_FAILED, An error occurred reading the USM keyfile

Explanation:
An error occurred while attempting a read operation from the VFS file system. This error may cause SNMPv3 users to be unable to authenticate with the router.

Recommended Action:
Reconfigure the SNMPv3 user accounts that are using authentication or privacy.

%SNMP-E-KEYFILE_WR_FAILED, An error occurred writing the USM keyfile

Explanation:
An error occurred while attempting a write operation to the VFS file system. This error may result in SNMPv3 users being unable to authenticate with the router—in this case, user accounts may need to be recreated on the router.

Recommended Action:
Please contact Enterasys Technical Support.

%SNMP-E-MIB_LOCKED <mib-name> is locked and cannot be enabled or disabled

Explanation:
User attempted to disable a MIB which controls access to the SNMP agent. This is not allowed.

Recommended Action:
Select a different MIB name.

%SNMP-E-MIB_NOT_IMPLEMENT <mib-name> is not implemented

Explanation:
User attempted to disable/enable a MIB which in not implemented.

Recommended Action:
Select a different MIB name and try the command again.

%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 X-Pedition 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-NOAUTHKEY, No authentication key found for user <user-name> (Engine-ID: <engine-id>)

Explanation:
This error indicates that the specified user is configured to use authentication, but that no authentication key is available for the user.

Recommended Action:
A new authentication password will need to be configured for this user before the user will be able to authenticate with the router.

%SNMP-E-NOPRIVKEY, No privacy key found for user <user-name> (Engine-ID: <engine-id>)

Explanation:
This error indicates that the specified user was configured to use privacy, but no privacy key is available for the user.

Recommended Action:
You will need to configure a new privacy password for this user before the user will be able to authenticate with the router.

%SNMP-E-NOTIFY_NOT_FOUND, The specified notify could not be found

Explanation:
Internal error. A specific notify entry could not be found during handling of an SNMP operation.

Recommended Action:
Please contact Enterasys Technical Support

%SNMP-E-PARAM_NOT_FOUND, The specified target-param could not be found

Explanation:
Internal error. A specific target-param entry could not be found during handling of an SNMP operation.

Recommended Action:
Please contact Enterasys Technical Support

%SNMP-E-PROFILE_NOT_FOUND, The specified filter profile could not be found

Explanation:
Internal error. A specific filter profile entry was not found during handling of an SNMP operation.

Recommended Action:
Please contact Enterasys Technical Support

%SNMP-E-REM_TARGET_FAIL Remove target failed reason=<reason>

Explanation:
Removing an SNMP target failed.

Recommended Action:
Verify that the target parameters are correct and reenter command.

%SNMP-E-STG_NOT_FOUND, The specified security-group could not be found

Explanation:
Internal error. A specific security-to-group entry could not be found during handling of an SNMP operation.

Recommended Action:
Please contact Enterasys Technical Support.

%SNMP-E-STOPTIMER Internal Error stop timer failed code *<number>*

Explanation:
This message is displayed when a system software error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

%SNMP-E-TARGET_NOT_FOUND, The specified target could not be found

Explanation:
Internal error. A specific target entry was not found during handling of an SNMP operation.

Recommended Action:
Please contact Enterasys Technical Support

%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-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-USER_NOT_FOUND, The specified user could not be found

Explanation:
Internal error. A specific user entry could not be found during handling of an SNMP operation.

Recommended Action:
Please contact Enterasys Technical Support.

%SNMP-E-VIEW_NOT_FOUND, The specified view could not be found

Explanation:
An internal error indicating that a specific view could not be found during handling of an SNMP operation.

Recommended Action:
Please contact Enterasys Technical Support.

%SNMP-E-WRITECONFIG Internal Error writing startup file code *<number>*

Explanation:
This message is displayed when a system software error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 66

Packet-Over-Sonet Error Messages

This chapter describes the error messages for the Packet-Over-Sonet facility.

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:
Informational message. No action required.

Warning Messages

%SONET-W-GCASTRLSE Cannot release gcast entry %d

Explanation:
This message is displayed as a result of an internal error

Recommended Action:
Contact Enterasys Technical Support.

Error Messages

%SONET-E-APS_CFG_INVALID   The working port and protecting port cannot be the same.

Explanation:
This message is displayed when a user tries to configure a port as both a protecting port and a working port.

Recommended Action:
Check to see that the port being configured is the one intended.

%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 the one intended.

%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_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_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 Enterasys Technical Support.

%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-APS_PROTSW_EXISTS   A protection switch command already exists on the %s port -- %s. The protection switch command can only be applied to either the working port or the protecting port at any given time.

Explanation:
A protection switch command already exists on either the working port or the protecting port.

Recommended Action:
If you want to change the port to which you applied a protection switch, you must first disable the switch, then can apply it to the new port.

%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 was not configured on port %s

Explanation:
This message appears as a result of an internal error while configuring APS.

Recommended Action:
Note message and actions performed which caused it, and contact Enterasys Technical Support.

%SONET-E-OPTIONNOTALLOWEDONPORT Port %s, this option is not allowed for this type of port.

Explanation:
The operation attempted is not allowed for ports of this type.

Recommended Action:
Check to see that the port on which you attempted the operation is the port you intended.

%SONET-E-SONET_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-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.

Fatal Messages

%SONET-F-SONET_NOMEM Memory allocation failed: %s

Explanation:
The router has run out of memory.

Recommended Action:
Call Enterasys Technical Support.

Chapter 67

SR Error Messages

This chapter describes the error messages for the SR facility.

Informational Messages

%SR-I-CLOCK_TEMPOKAY Clock card temperature is within %s

Explanation:
The temperature of the clock card is within tolerance.

Recommended Action:
None.

%SR-I-CPU0_TEMPOKAY CM-0 temperature is within %s

Explanation:
The temperature of the control module in slot 0 is within tolerance.

Recommended Action:
None.

%SR-I-CPU1_TEMPOKAY CM-1 temperature is within %s

Explanation:
The temperature of the control module in slot 1 is within tolerance.

Recommended Action:
None.

%SR-I-FABRIC1_TEMPOKAY Fabric-1 card temperature is within %s

Explanation:
The temperature of the fabric-1 card is within tolerance.

Recommended Action:
None.

%SR-I-FABRIC2_TEMPOKAY Fabric-2 card temperature is within %s

Explanation:
The temperature of the fabric-2 card is within tolerance.

Recommended Action:
None.

%SR-I-SLOT_TEMPOKAY Slot %d temperature is within %s

Explanation:
The temperature of the specified module is within tolerance.

Recommended Action:
None.

Warning Messages

%SR-W-CLOCK_TEMPTOOHIGH Clock card temperature has exceeded %s

Explanation:
The temperature of the clock card is too high.

Recommended Action:
Turn off equipment. Verify that the room temperature is not greater than the allowed maximum of 104 F. Contact Enterasys Technical Support.

%SR-W-CPU0_TEMPTOOHIGH CM-0 temperature has exceeded %s

Explanation:
The temperature of the control module in slot 0 is too high.

Recommended Action:
Turn off equipment. Verify that the room temperature is not greater than the allowed maximum of 104 F. Contact Enterasys Technical Support.

%SR-W-CPU1_TEMPTOOHIGH CM-1 temperature has exceeded %s

Explanation:
The temperature of the control module in slot 1 is too high.

Recommended Action:
Turn off equipment. Verify that the room temperature is not greater than the allowed maximum of 104 F. Contact Enterasys Technical Support.

%SR-W-FABRIC1_TEMPTOOHIGH Fabric-1 card temperature has exceeded %s

Explanation:
The temperature of the clock card is too high.

Recommended Action:
Turn off equipment. Verify that the room temperature is not greater than the allowed maximum of 104 F. Contact Enterasys Technical Support.

%SR-W-FABRIC2_TEMPTOOHIGH Fabric-2 card temperature has exceeded %s

Explanation:
The temperature of the clock card is too high.

Recommended Action:
Turn off equipment. Verify that the room temperature is not greater than the allowed maximum of 104 F. Contact Enterasys Technical Support.

%SR-W-QSENDFULL queue full

Explanation:
This message is displayed when an internal error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

%SR-W-RESTART_TIMER_FAILED   Debounce, NUE_Restart_

Explanation:
An internal error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

%SR-W-SLOT_TEMPTOOHIGH Slot %d temperature has exceeded %s

Explanation:
The temperature of the specified module is too high.

Recommended Action:
Turn off equipment. Verify that the room temperature is not greater than the allowed maximum of 104 F. Contact Enterasys Technical Support.

%SR-W-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.

%SR-W-START_TIMER_FAILED Debounce, NUE_Start_Timer

Explanation:
An internal error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

%SR-W-STOP_TIMER_FAILED   Debounce, NUE_Stop_Timer

Explanation:
An internal error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

%SR-W-WAIT_TEG_EVENTS   Debounce, NUE_Wait_For_TEG_Events

Explanation:
An internal error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

Error Messages

%SR-E-DIAGQ Couldn't create DIAGNOSTIC Queue

Explanation:
An internal error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

Fatal Messages

%SR-F-CREATE_TIMER_FAILED NU_Create_Simple_Timer failed, sts=%d

Explanation:
An internal error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

%SR-F-HISRFAIL   failed to create driver HISR, sts=%d

Explanation:
An internal error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

%SR-F-LISRFAIL   failed to register driver LISR, sts=%d

Explanation:
An internal error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

%SR-F-NOSTKMEM   not enough memory to allocate HISR stack

Explanation:
An internal error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

%SR-F-QSENDFAIL   queue send failed, sts=%d

Explanation:
An internal error has occurred.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 68

Secure Shell (SSH) Error Messages

This chapter describes the error messages for the Secure Shell facility.

Informational Messages

%SSH-I-INFO, *<general information>*

Explanation:
This message reports general informational events that occur during an SSH server or SSH client session. The actual cause or significance of the message will depend on the specific information contained therein.

Recommended Action:
Informational message only, no action necessary. For further assistance, please contact Enterasys Technical Support.

%SSH-I-KILLED, SSH session *<x>* has been killed.

Explanation:
The **system kill ssh-session** command was used successfully to "kill" an active SSH session.

Recommended Action:
Informational message only, no action necessary.

%SSH-I-KILLING, SSH Session *<x>* is already being killed.

Explanation:
A user attempted to use the **system kill ssh-session** command to "kill" a session that is already being killed.

Recommended Action:
Informational message only, no action necessary.

%SSH-I-STOPPING, The SSH server is shutting down. Waiting for SSH sessions to end.

Explanation:
A user attempted to stop the SSH server when it was already in the process of shutting down.

Recommended Action:
Informational message only, no action necessary.

Audit Messages

%SSH-A-KNOWNHOSTSBREACHED, The *<filename>* file appears to have been modified. It is possible that someone may have tampered with the file in an attempt to enable a man-in-the-middle attack or for other malicious purposes. No outbound SSH connections will be possible until an authorized user recreates a new "known hosts" database.

Explanation:
This message indicates that the Known Hosts database has been modified. Since this might mean that the Known Hosts database can no longer be trusted, new SSH client sessions will not be possible until a new trusted Known Hosts database is constructed. Use the **ssh-client clear-known-hosts** command to reset the Known Hosts database, then add new keys to the database.

Recommended Action:
This message appears only if the system detects that the Known Hosts database file has been altered. The actual alteration may have occurred long before it was detected by the system.

%SSH-A-LOGIN "SSH user login."

Explanation:
A new SSH user logged in to the system.

Recommended Action:
Security audit message. No action necessary.

%SSH-A-NEWHOSTKEYS, *<x>* new host keys have been successfully imported to the "known hosts" database.

Explanation:
One or more new host keys have been imported into the Known Hosts database via the **ssh-client import-host-keys** command.

Recommended Action:
Security audit message. No action necessary.

%SSH-A-SHUTDOWN "The SSH server has shut down."

Explanation:
The SSH server was terminated by removing the "ssh enable" configuration command.

Recommended Action:
Security audit message. No action necessary.

%SSH-A-STARTUP "The SSH server has started."

Explanation:
The SSH server has been started by adding the "ssh enable" configuration command.

Recommended Action:
Security audit message. No action necessary.

Warning Messages

%SSH-W-BADPOOL, The entropy pool file is invalid.

Explanation:
A file stored on the system's internal flash appears to be corrupt—the system can continue to function normally and will eventually reconstruct the file; however, while the file is corrupt, the system's ability to generate random data used to generate secure encryption keys may be degraded.

Recommended Action:
If the problem persists, contact Enterasys Technical Support.

%SSH-W-BADSEED, The PRNG seed file is invalid.

Explanation:
A file stored on the system's internal flash appears to be corrupt—the system can continue to function normally and will eventually reconstruct the file; however, while the file is corrupt, the system's ability to generate random data used to generate secure encryption keys may be degraded.

Recommended Action:
If the problem persists, contact Enterasys Technical Support.

%SSH-W-ENTROPYDEPLETED, The entropy pool has been depleted.

Explanation:
This message usually indicates that the entropy pool file is corrupt or has been deleted—the system can continue to function normally and will eventually reconstruct the file; however, while the file is corrupt, the system's ability to generate random data used to generate secure encryption keys may be degraded.

Recommended Action:
If the problem persists, contact Enterasys Technical Support.

%SSH-W-GRACE_TIMEOUT, SSH session *<x>* authentication grace period exceeded.

Explanation:
An SSH session timed-out while authenticating with the local system.

Recommended Action:
No action necessary.

%SSH-W-IDLE_TIMEOUT, SSH session *<x>* idle timeout.

Explanation:
An authenticated SSH session timed-out due to session inactivity.

Recommended Action:
No action necessary.

%SSH-W-SAVEPOOL, An error occurred while saving the entropy pool file.

Explanation:
The system encountered an error while attempting to save a file to the internal flash—the system can continue functioning normally; however, in the event of a reboot, the system's ability to generate random data used to generate secure encryption keys may be degraded.

Recommended Action:
Make sure there is more than 100KB of free space on the internal flash. If the problem persists, contact Enterasys Technical Support.

%SSH-W-SAVESEED, An error occurred while saving the generated random seed.

Explanation:
The system encountered an error while attempting to save a file to the internal flash—the system can continue functioning normally; however, in the event of a reboot, the system's ability to generate random data used to generate secure encryption keys may be degraded.

Recommended Action:
Make sure there is more than 100KB of free space on the internal flash. If the problem persists, contact Enterasys Technical Support.

Error Messages

%SSH-E-ERR, *<general error message>*

Explanation:
This message reports general error events that occur during an SSH server or SSH client session. The actual cause or significance of the message will depend on the specific information contained therein. This message may indicate that a problem exists, but usually indicates that an isolated problem was detected during an individual SSH session—usually resulting in the termination of that session.

Recommended Action:
If the problem persists, contact Enterasys Technical Support.

%SSH-E-HKGINPROGRESS, Host Key Generation is already in progress. Please wait for other users to finish generating keys and try again.

Explanation:
Two or more users in different concurrent sessions are simultaneously attempting to generate new SSH host keys. The XP will generate only one set of host keys at a time.

Recommended Action:
Wait until the router finishes generating keys in other sessions.

%SSH-E-IMPORTHOSTKEYS, An error occurred while attempting to import new host keys from <filename>.

Explanation:
The **ssh-client import-host-keys** command failed to import one or more keys due to an error. Possible causes might include an invalid file format of the file being imported, a corrupt Known Hosts database, or a missing PCMCIA flash card.

Recommended Action:
Ensure that the file being imported is valid and that a PCMCIA flash card is present in the system chassis. As a last resort, you may need to clear the Known Hosts database.

%SSH-E-INVALIDESCAPE, "*<x>*" is not a valid escape character.

Explanation:
The **ssh-client set escape** command was saved to the active configuration, or the **escape** command-line option was specified on the **ssh** command-line, but the specified character or characters do not formulate a valid escape-sequence initiator.

Recommended Action:
Verify that you are using a valid escape character. A valid escape character is any single character in the ASCII character set. The character may be prefixed by the circumflex character (^) in order to specify a control character.

%SSH-E-KEYNOTPRESENT, The *<key-type>* Public Host Key has not been generated or can't be found.

Explanation:
A user attempted to view a SSH server public host key that does not exist.

Recommended Action:
No action necessary.

%SSH-E-MISSINGHOSTKEY, *<key-type>* host key missing (required for protocol version *<x>*). Generate the missing key and restart the SSH server.

Explanation:
The SSH server could not start because it could not find the necessary host key(s).

Recommended Action:
Generate the required keys via the **ssh-server generate-host-key** command, or change the enabled protocol versions with the **ssh-server set protocol-version** command.

%SSH-E-NOHOSTKEY, No known <key-type> host key exists for host "<host>".

Explanation:
A user attempted to delete one or more host keys from the Known Hosts database; however, no such keys exist for the named host.

Recommended Action:
Verify that the specified name or IP address was spelled correctly.

%SSH-E-NOSOCKET, Unable to initialize TCP port *<x>*. The SSH server will be unable to accept incoming connections from SSH clients.

Explanation:
The SSH server started, but could not bind to the configured TCP port. Most likely, some other service is already listening on the same TCP port that the SSH server is configured to listen on.

Recommended Action:
Find out which service is already listening on the port and reconfigure it, or reconfigure the SSH server to listen on a different TCP port.

%SSH-E-NOTACTIVE, Session *<x>* not active.

Explanation:
A user attempted to kill an SSH session, but the specified session was not active.

Recommended Action:
Check the SSH session name used.

%SSH-E-SAVEHOSTKEY, An error occurred while saving the generated host key.

Explanation:
The system encountered an error while attempting to save a file to the internal flash—the system can continue functioning normally; however, the SSH server may not be able to start with the desired protocol versions enabled.

Recommended Action:
Make sure there is more than 100KB of free space on the internal flash. If the problem persists, contact Enterasys Technical Support.

%SSH-E-STARTUPNOTREADY, The SSH server is not ready to be started. Waiting for a previous instance of the SSH server to shut down.

Explanation:
A user attempted to start or re-start the SSH server, but the server could not start yet because a previous instance of the SSH server was still in the process of shutting down.

Recommended Action:
Wait until after the %SSH-A-SHUTDOWN message appears, then retry.

%SSH-E-UNKNOWNCIPHER, Unknown *<protocol-version>* encryption algorithm "*<cipher-name>*".

Explanation:
An invalid or unsupported encryption algorithm (cipher) was named on the SSH command-line. Valid SSH-2 cipher names are: 3des-cbc, aes128-cbc, arcfour, blowfish-cbc, and cast128-cbc. Valid SSH-1 cipher names are: 3des and blowfish. The names should be listed on the command-line separated by commas, but with no spaces. For example:

> xp> **ssh 192.168.1.1 encryption-preference aes128-cbc,blowfish-cbc,3des-cbc**

Recommended Action:
Verify the encryption algorithm and formatting of the cipher name used.

%SSH-E-UNKNOWNMAC, Unknown message authentication code (MAC) algorithm "*<mac-name>*".

Explanation:
An invalid or unsupported Message Authentication Code (MAC) algorithm was named on the SSH command-line. Valid SSH-2 MAC names are: hmac-md5, hmac-md5-96, hmac-ripemd160, hmac-sha1, and hmac-sha1-96. The names should be listed on the command-line separated by commas, but with no spaces. For example:

> xp> **ssh 192.168.1.1 mac-preference hmac-sha1-96,hmac-sha1,hmac-md5**

Recommended Action:
Verify the MAC algorithm and formatting of the MAC name used.

%SSH-E-UNKNOWNPROTO, Unknown SSH protocol version "*<version-name>*".

Explanation:
An invalid or unsupported protocol version was named on the SSH command-line. Valid protocol-version names are: ssh1 and ssh2. The names should be listed on the command-line separated by commas, but with no spaces. For example:

> xp> **ssh 192.168.1.1 protocol-version-preference ssh1,ssh2**

Recommended Action:
Verify the name of the SSH protocol version and format used.

Chapter 69

STATIC Error Messages

This chapter describes the error messages for the STATIC facility.

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-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 problem persists, contact Enterasys Technical Support.

%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-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 problem persists, contact Enterasys Technical Support.

%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-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-GWAYNULL Nonexistent Gateway for static route.

Explanation:
The software component that manages static route resources has detected an internal error.

Recommended Action:
If message displays repeatedly, contact Enterasys Technical Support.

%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-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 problem persists, contact Enterasys Technical Support.

%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-ILLDESTVAL, Route destination cannot be a multicast address.

Explanation:
This error occurs when a class D or E destination is specified in "**ip add route** *[destination]* ..."; a class D address is in the range 224.0.0.0–239.255.255.255; a class E destination is in the range 240.0.0.0–255.255.255.254.

Recommended Action:
Remove the command with the offending address from the configuration.

%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 problem persists, contact Enterasys Technical Support.

%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 message displays repeatedly, contact Enterasys Technical Support.

%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 up to maximum gateways in gate-list option.

%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 up to maximum interfaces in intf-list option.

%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 message displays repeatedly, contact Enterasys Technical Support.

%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.

Chapter 70

STP Error Messages

This chapter describes the error messages for the STP facility.

Informational Messages

%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.

%STP-I-STP_VERSION STP version changed to *<version>*

Explanation:
This message is displayed when the STP version is changed.

Recommended Action:
No action is required.

Warning Messages

%STP-W-BADMLPTYPE Attempt to create MLP on unknown module type = *<type>*

Explanation:
This message is displayed when an MLP bundle is being created on an unknown WAN module.

Recommended Action:
Verify that the WAN module in question supports MLP. Contact Enterasys Technical Support.

%STP-W-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. However, other ports entered will be added to the spanning tree.

Recommended Action:
None.

%STP-W-NOWAN_FILTER BPDU filtering is not supported on WAN modules.

Explanation:
This message is displayed because you cannot filter out BPDUs on WAN modules. However, other ports entered will have filtering enabled.

Recommended Action:
None.

%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.

%STP-W-RSTPNOWAN RSTP is not supported on WAN ports. Please disable RSTP first.

Explanation:
This message is displayed when the user attempts to add a WAN port to a spanning tree running RSTP.

Recommended Action:
Disable RSTP and retry this command. Otherwise, only the non-WAN ports will be added to the spanning tree.

Error Messages

%STP-E-APS_ENABLED It is invalid to Enable/Configure STP on *<portnumber>* as it is configured as a Protecting port. If you wish, you may enable/configure STP on the Working port *<portnumber>*

Explanation:
This message is displayed when the user attempts to enable STP on a protecting port.

Recommended Action:
Negate the command and configure STP on the working port instead.

%STP-E-BADMLPSLOT Attempt to create MLP on an invalid slot = *<number>*

Explanation:
This message is displayed when the user attempts to create an MLP bundle on an invalid module.

Recommended Action:
Correct the module number and try again.

%STP-E-BADWANPROTO Spanning Tree not supported for the WAN protocol on port %s

Explanation:
STP is not supported for the WAN protocol specified.

Recommended Action:
None.

%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-CMDDEPRECATED This command is deprecated. *<text>*

Explanation:
This message is displayed when a deprecated STP command is called.

Recommended Action:
None.

%STP-E-COSTSETCANTDELLG   Port cost is set for the *<text>*, negate the stp port cost and then delete the *<text>*.

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-COSTSETCANTDELMLP   Port cost is set for the MLP bundle, negate the stp port cost and then delete the MLP bundle.

Explanation:
This message is displayed when the user tries to remove an MLP bundle with STP port cost assigned.

Recommended Action:
Negate the "stp set port" command and try again.

%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-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:
Use the STP config facility to access the default spanning tree.

%STP-E-DFLTSTPCFLCT One or more access ports in the vlan *\<name\>* have default stp enabled the spanning tree first.

Explanation:
This message is displayed when the user tries to create a PVST instance for a VLAN with STP already enabled.

Recommended Action:
Disable STP on all of the VLAN ports and try again.

%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. Contact Enterasys Technical Support.

%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-GET_SEMA4 Cannot get link_semaphore

Explanation:
STP was unable to obtain a semaphore. This semaphore protects a shared data structure between STP and GATED that passes link-state/vlan information to the multicast portion of GATED.

Recommended Action:
Contact Enterasys Support.

%STP-E-INVSTATE Port *<number>* cannot be added to *<st.number>* because spanning tree is already enabled on that port. Disable spanning tree on the port before adding it to a smarttrunk

Explanation:
You cannot add a port to a SmartTRUNK if it has certain attributes, such as spanning tree, already configured on it.

Recommended Action:
Disable spanning tree on the port and then add it to the SmartTRUNK. Spanning tree can then be enabled on the SmartTRUNK if desired.

%STP-E-IPCFAIL IPC failure with module '%d' - '%s'

Explanation:
Control Module fails to communicate with the WAN module. This usually happens if the firmware loaded does not support WAN.

Recommended Action:
Contact Enterasys Technical Support.

%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-MISMATCH Port *<number>* cannot be added to *<st.number>* because of spanning tree attribute mismatch

Explanation:
The current spanning tree attributes of a port will not permit it to be added to a smarttrunk. The spanning tree attributes may include things such as spanning tree priority, port-cost or even port status. A common cause of this problem is all ports being put into the administrative down state when the XP boots without a startup configuration file. Another cause is that some spanning tree attributes (such as port cost) have been configured on the port.

Recommended Action:
If the port has been disabled, i.e., there is a "port disable " command in the configuration, negate that command. Also verify that there are no specific spanning tree attributes configured for the port. This includes port-cost or priority (i.e., "stp set port et.3.4 port-cost 99"). Negate these commands before adding the port to a smarttrunk.

%STP-E-MPNOTFOUND MLP bundle *<mp-number>* not found

Explanation:
This message is displayed when the specified MLP bundle cannot be found.

Recommended Action:
Create the MLP bundle specified before trying the command again.

%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:
Contact Enterasys Technical Support.

%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 that the port is correct. Contact Enterasys Technical Support.

%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 *<name>* does not exist

Explanation:
This message is displayed when a PVST instance does not exist for the specified VLAN.

Recommended Action:
Check the VLAN name for correctness, if a spanning tree instance has not been created for the desired VLAN, create one.

%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 *<name>*

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 that the command is correct and try again.

%STP-E-NOVC Unable to access VC information

Explanation:
No VC information can be found in STP-enabled WAN ports, possibly due to internal errors.

Recommended Action:
Verify that the VC in question is set up correctly. Contact Enterasys Technical Support if problem persists.

%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-NOWAN_FILTER BPDU filtering is not supported on WAN modules.

Explanation:
Command fails because BPDU filtering is not supported on WAN ports.

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:
Verify that the port exists before trying again.

%STP-E-PRISETCANTDELLG   Priority is set for the *<text>*, negate stp set priority and then delete the *<text>*

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-PRISETCANTDELMLP   Priority is set for the MLP bundle, negate stp set priority and then delete the MLP bundle.

Explanation:
This message is displayed when the user tries to remove an MLP bundle with port priority assigned.

Recommended Action:
Negate the "stp set port" command and try again.

%STP-E-PROTIDINV   Invalid Protocol ID

Explanation:
This message is displayed when a BPDU with an invalid protocol identifier (i.e., a non-zero protocol identifier) is received.

Recommended Action:
Make sure other bridges are running STP and the packets received are not corrupted.

%STP-E-PVST_RSTPENBLD   Please disable RSTP on this spanning tree first

Explanation:
This message is displayed when the user attempts to remove the spanning tree instance when it is running RSTP.

Recommended Action:
Disable RSTP before deleting the spanning tree instance.

%STP-E-PVSTENBLD   Disable STP on all ports for this spanning tree first

Explanation:
This message is displayed when the user tries to delete 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-REL_SEMA4 Cannot release link_semaphore

Explanation:
STP was unable to release a semaphore. This semaphore protects a shared data structure between STP and GATED that passes link-state/VLAN information to the multicast portion of GATED.

Recommended Action:
Contact Enterasys Support.

%STP-E-RSTPNOWAN RSTP is not supported on WAN ports. Please disable RSTP first.

Explanation:
This message is displayed when the user attempts to add a WAN port to a spanning tree running RSTP.

Recommended Action:
Disable RSTP and retry this command.

%STP-E-RSTPWANEXISTS Cannot enable RSTP when WAN exists. Please remove all WAN ports from the spanning tree first.

Explanation:
This message is displayed when the user attempts to enable RSTP on a spanning tree with WAN ports.

Recommended Action:
Remove all WAN ports from the spanning tree before enabling RSTP.

%STP-E-STATESETCANTDELLG *<text>* state has been administratively disabled, negate the disabled line and then delete the *<text>*.

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-STATESETCANTDELMLP MLP bundle state has been administratively disabled, negate the disabled line and then delete the MLP bundle.

Explanation:
This message is displayed when the user tries to remove an MLP bundle disabled by management.

Recommended Action:
Negate the corresponding "port disable" command and try again.

%STP-E-STNOTFOUND <3> *<text>* *<port_number>* 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 *\<text\>*, negate the stp enable command and then delete the *\<text\>*.

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-STPSETCANTDELMLP   STP is enabled on MLP bundle, negate the STP enable command and then delete the MLP bundle.

Explanation:
This message is displayed when the user tries to remove an MLP bundle with STP still configured on it.

Recommended Action:
Negate the "stp enable" command and try again.

%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-VCPRI The parameter '*<number>*' exceeds valid VC priority range between 0, and 15 inclusive

Explanation:
This message is displayed when the VC priority specified is greater than 15.

Recommended Action:
Try again with a VC priority value of less than 16.

%STP-E-VNAMINVALID   Vlan Name *<name>* 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-WANEEPTFAIL WAN EEPT program failure with module '*<number>*' - error = *<error-code>*

Explanation:
This is an internal error.

Recommended Action:
Contact Enterasys Technical Support.

%STP-E-XMTQFULL unable to send frame xmit queue full

Explanation:
This message is displayed when the STP BPDUs could not be sent. This could be because the transmit queue is full or there is indication that the STP frame is to be dropped.

Recommended Action:
None.

Chapter 71

SYS Error Messages

This chapter describes the error messages for the SYS facility.

Informational Messages

%SYS-I-ACTIVEBKPLANE switching fabric in slot *<number>* is currently active

Explanation:
This message shows which switching fabric on an XP 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 XP system address.

Recommended Action:
Follow the error message output for an appropriate resolution to the problem.

%SYS-I-ARPADDED, ARP: entry added for *<ipaddress>*

Explanation:
This message is displayed when an ARP entry is added from the "Config" mode.

Recommended Action:
Informational message. No action necessary.

%SYS-I-BKPLANEINSERTED *<name>* module inserted in slot *<number>*

Explanation:
This message appears when a switching fabric is hotswapped into the XP-8600.

Recommended Action:
Informational message. No action 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 XP-8600.

Recommended Action:
Informational message. No action required.

%SYS-I-BKPLANEREMOVED *<name>* module removed from slot *<number>*

Explanation:
This message appears when a switching fabric is hotswapped out of the XP-8600.

Recommended Action:
Informational message. No action required.

%SYS-I-BOOTADDED Image '*<name>*' added

Explanation:
This message appears when the specified XP system image has been successfully added to the external flash.

Recommended Action:
Informational message. No action required.

%SYS-I-CFGTOBACKUP Configuration file updated on backup control module

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 <0> <0> image successfully chosen on Backup CM

Explanation:
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 <0> <0> Backup CM-no image chosen for reboot

Explanation:
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 <0> <0> Primary CM-no image chosen for reboot

Explanation:
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 <0> <0> image successfully chosen on Primary CM

Explanation:
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-COPYTHENREBOOT, Copying <string> to "startup" and rebooting will have the same effect. Where <string> can be any of: <filename>,tftp-server,rcp-server, <tftp or rcp URL>, startup

Explanation:
The user attempted to copy a file from a local or remote location to the active configuration. The XP does not allow this action because stability issues may arise.

Recommended Action:
Copy the desired file to the startup configuration file and reboot. This will have the same effect as copying to the active configuration, but will not destabilize the platform.

%SYS-I-CPL_PORTDN, Port *<port number>* CM packet rate exceeded. Shutting port down.

Explanation:
This message means the broadcast monitor for a given port has shut that port down because its packet rate limit was exceeded for the specified duration.

Recommended Action:
No action necessary.

%SYS-I-CPL_PORTNRD, Port *<port number>* CM packet redirect period expired.

Explanation:
This message means the broadcast monitor for a given port has stopped redirecting that port's traffic because the redirect time period has expired.

Recommended Action:
No action necessary.

%SYS-I-CPL_PORTRD, Port *<port number>* CM packet rate exceeded. Redirecting port.

Explanation:
This message means the broadcast monitor for a given port has redirected that port's traffic because its packet rate limit was exceeded for the specified duration.

Recommended Action:
No action necessary.

%SYS-I-CPL_PORTUP, Port *<port number>* CM packet shutdown period expired.

Explanation:
This message means the shut down duration for a port that was brought down by its broadcast monitor has expired and it is being brought back up.

Recommended Action:
No action necessary.

%SYS-I-DATE_CHANGE The system's *<time> <date>* has been changed to: *<HH:MM:SS> <YYYY-MM-DD HH:MM:SS>* via *<SNMP> <CLI>*

Explanation:
The error log informs users when the system's time or date has been explicitly changed through an SNMP request or from the CLI. This message may appear as any of the following:

%SYS-I-DATE_CHANGE, The system's Time has been changed to: 01:04:34 via SNMP
%SYS-I-DATE_CHANGE, The system's Date has been changed to: 2005-02-26 via SNMP
%SYS-I-DATE_CHANGE, The system's date has been changed to: 2005-02-26 01:05:42 via the Command Line Interface

Recommended Action:
Informational message only, no action necessary.

%SYS-I-DEL_BACKUP_OK <0> <1> system image %s deleted from Backup CM

Explanation:
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 <0> <1> directory %s was deleted.

Explanation:
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 XP 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 XP's startup sequence.

Recommended Action:
Informational message. No action 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 XP is attempting to mount an external PCMCIA Flash Module.

Recommended Action:
Informational message. No action required.

%SYS-I-FLASHMNTD *<number>* MB Flash card mounted

Explanation:
This message indicates that the XP has successfully mounted a PCMCIA Flash Module.

Recommended Action:
Informational message. No action required.

%SYS-I-HOTSWAP_INQUEUED Request for hotswap-in slot *<Slot Number>* queued

Explanation:
The XP received a request to hot swap the module in the slot specified into the router. The request was placed in a queue and the action will be completed at the router's earliest opportunity.

Recommended Action:
Informational message only, no action necessary.

%SYS-I-HOTSWAP_OUTQUEUED Request for hotswap-out slot *<Slot Number>* queued

Explanation:
The new message is used to inform users that the router has received a request to hotswap the specified module out. The request was placed in a queue and the action will be completed at the router's earliest opportunity.

Recommended Action:
Informational message only, no action necessary.

%SYS-I-HOTSWAPIN module in slot *<number>* is hotswapped in

Explanation:
This message appears when a module is hotswapped in to the XP.

Recommended Action:
Informational message. No action required.

%SYS-I-HOTSWAPOUT module in slot *<number>* is hotswapped out

Explanation:
This message when a module is hotswapped out of the XP. 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:
Informational message. No action 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:
Informational message. No action required.

%SYS-I-INITSLOTS Initializing system slots - please wait

Explanation:
This message is displayed when the XP is initializing the system slots.

Recommended Action:
Informational message. No action required.

%SYS-I-INITSYS initializing system <name>

Explanation:
This message is displayed when the XP is initializing.

Recommended Action:
Informational message. No action required.

%SYS-I-MODPROBE Detecting installed media modules - please wait

Explanation:
This is an informational message only.

Recommended Action:
None.

%SYS-I-MULTICPU additional CPU Module(s) detected in slot: *<number>*

Explanation:
This message appears when the XP has detected an additional CPU module.

Recommended Action:
Informational message. No action required.

%SYS-I-NETSTART network interfaces are now enabled

Explanation:
This message indicates that the network interfaces are up and the XP is ready to send and receive traffic.

Recommended Action:
Informational message. No action required.

%SYS-I-NEWBAUD Console baud rate changing from *<number>* to *<number>*

Explanation:
This message indicates that the XP console's baud rate has assumed a new value.

Recommended Action:
Informational message. No action required.

%SYS-I-NOBOOTIMAGES No boot images available

Explanation:
This message informs the user that there is no XP boot image stored in the current PCMCIA Flash card.

Recommended Action:
Informational message. No action required.

%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-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:
Informational message. No action required.

%SYS-I-PWROKAY power supply in slot *<slot>* is operational

Explanation:
This is an informational message only.

Recommended Action:
None.

%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-REBOOTINSTEAD, Use the "reboot" command instead.

Explanation: Meaning:
The user attempted to copy the startup configuration file to the active configuration. The XP does not allow this action because stability issues may arise.

Recommended Action:
Reboot the system. This will have the same effect as copying to the active configuration, but will not destabilize the platform.

%SYS-I-REMOVED_REQUEST Your request to hotswap slot *<Slot Number>* has the opposite affect of a request that was in the hotswap queue. The first request has been removed from the queue.

Explanation:
This message appears when a user issues a hot swap request followed by an immediate request to perform the opposite action on the same slot. For example, entering **system hotswap out slot 3** followed immediately by **system hotswap in slot 3** will generate this message. Since the second command essentially cancels out the first, the router removes the first command from the queue. If the router has already initiated the hot swap process when it encounters the second command, the %SYS_E_HOTSWAP_BUSY message will appear.

Recommended Action:
Informational message only, no action necessary.

%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:
Informational message. No action required.

%SYS-I-SYSIMGTOBACKUP <0> <0> system image sent to backup control module.

Explanation:
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-SYSTEMIMAGE {Primary|Backup} CM: command '{add|delete|list|choose}' Succeeded

Explanation:
The system image command finished successfully.

Recommended Action:
Informational message only, no action necessary.

%SYS-I-TEMPOKAY system temperature is within operating parameters

Explanation:
This is an informational message only.

Recommended Action:
None.

%SYS-I-TOOMANYVLANARP, A maximum of %d arps can be configured with the vlan flag

Explanation:
Too many static vlan arps are configured for the router—the limit is 25 per router.

Recommended Action:
Reduce the number of static vlan arps configured for the router to fewer than 25.

%SYS-I-WAN_SYNCH_SUCCESS Successfully synchronized with WAN card on channel *<number>*

Explanation:
This message appears when the Control Module on the XP communicates successfully with the specified WAN module during system initialization.

Recommended Action:
Informational message. No action required.

Warning Messages

%SYS-W-AUTOREQUIRED - Port %s - Auto-Negotiation is required on 1000baseTX Ports.

Explanation:
You cannot disable auto-negotiation on 1000baseTX Ports.

Recommended Action:
Specify an appropriate port.

%SYS-W-CLI_ERROR_SEND_FAIL cli command was not sent to slot %d due to IPC failure: %s

Explanation:
Communication between the Main CPU module and the WAN module failed.

Recommended Action:
Re-enter cli command. If problem persists, contact Enterasys Technical Support.

%SYS-W-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-W 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 problem persists, contact Enterasys Technical Support.

%SYS-W-CLI_NON_WAN_PORT Port *<port>* is not a wan port

Explanation:
Not a WAN port.

Recommended Action:
Specify a WAN port.

%SYS-W-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 problem persists, contact Enterasys Technical Support.

%SYS-W-CLI_RECVQ_FAIL create receive queue failed, can't receive msg from wan card

Explanation:
Creation of the receive queue failed.

Recommendation:
Retry the command. If problem persists, contact Enterasys Technical Support.

%SYS-W-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-W-CMDDEPRECATED *<command_name>* has been deprecated. Use *<command_name>* instead

Explanation:
The command (or one of its components) that was just executed has been replaced by a new command. The command still works, but it may not work in a subsequent release. In the following example message, the user configured the router with a 'port bmon' command which included the 'shutdown' option. The 'expire' option should be used instead of 'shutdown.'

The 'shutdown' option for the 'port bmon' command has been deprecated. Use the 'expire' option instead

Recommended Action:
Negate the command that was just executed, and re-execute it using the new command.

%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-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-HEAPDEPLETED heap depleted, requested %d but returning %d

Explanation:
Cannot allocate enough memory for request.

Recommended Action:
Upgrade to next higher amount of system memory if problem persists.

%SYS-W-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 problem persists the card needs to be replaced.

%SYS-W-L3CANTADDFLOW All the flows in the hash bin %d are No Age or Control going to the CPU.

Explanation:
Flows are installed into the L3 table via a hashing function. Hashing the flow will point to a slot with bins. If all the bins in a slot are full, the oldest one is bumped out to make room. If all the bins are full of entries that are intended to be permanent for any reason, you will see this error.

Recommended Action:
There are several options:
       Remove unwanted static entries that hash to the specified bin.
       Clear the L3 table.
       Change the hashing function so that the slot will not keep getting hit.

%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 Enterasys Technical Support.

%SYS-W-LOWSTACKSIZE, *<task-name>* task may have too low of a stack size (free space low-point reached *<number>* bytes)

Explanation:
This is a diagnostic warning message that may be displayed if the **system set malloc debug** configuration command is present in the active configuration.

Recommended Action:
Contact Enterasys technical support for information on the appropriate action to take.

%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-NOBKPLANES One or more module are required to operate system

Explanation:
There are no module installed.

Recommended Action:
Install modules.

%SYS-W-NO_COMP module *<module>* in slot *<slot>* does not support compression

Explanation:
The specified module does not support compression.

Recommendation:
Retry the command. If problem persists, contact Enterasys Technical Support.

%SYS-W-NO_ENCR module *<id>* in slot *<slot_id>* does not support encryption

Explanation:
The specified module does not support encryption.

Recommendation:
Contact Enterasys Technical Support.

%SYS-W-NOCONFIG no configuration file

Explanation:
This message appears when the XP cannot detect any startup configuration file.

Recommended Action:
Ensure that a startup configuration file exists and that the XP is able to access that file.

%SYS-W-NOENHCAP *<facility>* capability not available for *<system_name>*

Explanation:
The requested facility is not available.

Recommended Action:
Contact Enterasys Technical Support.

%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-W-ONLYLANPORTALLOWED Only Lan port names are allowed.

Explanation:
Only LAN port names are allowed.

Recommended Action:
Specify a LAN port name.

%SYS-W-ONLYPHYPORTALLOWED Only physical port names are allowed

Explanation:
Only physical port names are allowed.

Recommended Action:
Specify a physical port.

%SYS-W-PWRFAIL 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-PWRSPLY, WARNING: Check the Power Supply in slot %x

Explanation:
A problem occurred with a power supply that **REQUIRES IMMEDIATE ATTENTION**.
Following this warning, the %SYS-I-PWRSPLY message will appear on the console and provide
specific information as to the nature of the problem.

Note: This message applies to the ER16 only.

Recommended Action:
Address the power supply issue indicated by the %SYS-I-PWRSPLY message **IMMEDIATELY**.
Depending on the nature of the error, you may need to replace the power supply.

%SYS-W-RMON_RX RMON queue empty: enabling updates

Explanation:
The RMON receive queue is enabled.

Recommended Action:
None.

%SYS-W-RMON_TX RMON queue failed: disabling updates

Explanation:
The RMON transmit queue has failed.

Recommended Action:
Contact Enterasys Technical Support.

%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-SPOOLOVERFLOW, Output data has been lost. Reduce output to avoid losing additional data.

Explanation:
The active terminal session (console or telnet) is receiving too much data to display.

Recommended Action:
If possible, reduce the amount of output generated. Alternatively, you may use the **system set spooler-memory-limit** command to increase the amount of output data the XP can buffer. Use caution when increasing the spooler memory limit—increasing the limit to a very high value can adversely affect other areas of the system that may be low on available memory.

%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 problem persists, contact Enterasys Technical Support.

%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:
Contact Enterasys Technical Support.

%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:
Contact Enterasys Technical Support.

%SYS-W-WAN_TOD_TMR_FAIL create timer failed, cannot periodically update time on WAN card

Explanation:
The create timer failed.

Recommended Action:
Contact Enterasys Technical Support.

%SYS-W-WAN_TOD_WAIT_FAIL WAN TOD event with unsuccessful status

Explanation:
A WAN TOD event was unsuccessful.

Recommended Action:
Contact Enterasys Technical Support.

%SYS-W-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-W-XG_SET_DUPLEX_MODE *<Description> <Port>*

Explanation:
The 10-Gigabit module runs in Full Duplex mode only. This message appears if the **all-ports** option is specified when changing the duplex mode.

Recommended Action:
No action necessary. The command was not applied to the port.

%SYS-W-XG_SET_SPEED_DUPLEX *<Description> <Port>*

Explanation:
The 10-Gigabit module runs in Full Duplex mode only. This message appears if the **all-ports** option is specified when changing the duplex mode or speed.

Recommended Action:
No action necessary. The command was not applied to the port.

%SYS-W-XG_AUTONEGOTIATE *<Description> <Port>*

Explanation:
The 10-Gigabit module does not allow you to disable auto-negotiation. This message appears if the **all-ports** option is specified when changing the auto-negotiation parameters.

Recommended Action:
No action necessary. The command was not applied to the port.

%SYS-W-XG_FPGA_AUTO_PROGRAM Module *<Module num>* automatic Ten Gig FPGA update from *<File1>* to *<File2>*

Explanation:
This message is appears when a user attempts to program the FPGA via the firmware.

Recommended Action:
None.

Error Messages

%SYS-E-ACCESS Relay_agent: sendto: permission=>denied - A UDP port could not be opened for transmission.

Explanation:
A port received a DHCP message but could not open it for transmission. If the packet is a directed broadcast packet and the interface is not set to allow IP broadcast data, an outbound ACL denying this packet is applied to the outbound interface.

Recommended Action:
Make sure that the interface is broadcast capable. If problem persists, contact Enterasys Technical Support.

%SYS-E-ACCESSDENIED File <file-name> : Access denied.

Explanation:
This message will appear if an attempt is made to access a protected file on the VFS file system.

Recommended Action:
Do not use this system file with the command line "file" commands.

%SYS-E-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-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.

%SYS-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.

%SYS-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.

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

Explanation:
This port has failed port diagnostics. Either its PHY has been removed, or there is a hardware failure.

Recommended Action:
If this occurs and the PHY is present, contact Enterasys Technical Support.

%SYS-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.

%SYS-E-AUTOREQUIRED - Port %s - Auto-Negotiation is required on 1000baseTX Ports

Explanation:
You cannot disable auto-negotiation on 1000baseTX Ports.

Recommended Action:
Specify an appropriate port.

%SYS-E-BACK_FREQ_TRY_AGAIN, tried *<number>* times to calculate the backplane frequency but failed. Rebooting once to see if that helps.

Explanation:
If the system firmware fails to calculate the backplane frequency successfully, the control module will reboot and attempt to calculate it a second time. If the second attempt fails, the %SYS-F-BACK_FREQ_FAILED message will appear.

Recommended Action:
If the second attempt succeeds, you may ignore this message.

%SYS-E-BACKUP_NO_SUCH_IMAGE <0> <1> Backup CM-no image named %s

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_IPP_MEM Bad IPP Memory at 0x<*hex_value*> on channel <*number*>

Explanation:

The IPP (Input Packet Processor) Memory has failed on the specified channel. The channel number specified in the error message corresponds with the failing line module. If you are running an XP-8000/8600, the channel number indicates the number of the slot that contains the line module causing the problem. If you are running an ER16, please refer to the following table to determine the slot number that corresponds to the specified channel.

Slot #	Low Chan #	High Chan #
Slot 1	Channel 6	Channel 22
Slot 2	Channel 8	Channel 24
Slot 3	Channel 4	Channel 20
Slot 4	Channel 10	Channel 26
Slot 5	Channel 12	Channel 28
Slot 6	Channel 14	Channel 30
Slot 7	Channel 2	Channel 18
Slot 8	Channel 0	Channel 16
Slot 9	Channel 1	Channel 17
Slot 10	Channel 9	Channel 25
Slot 11	Channel 5	Channel 21
Slot 12	Channel 11	Channel 27
Slot 13	Channel 7	Channel 23
Slot 14	Channel 15	Channel 31
Slot 15	Channel 3	Channel 19
Slot 16	Channel 13	Channel 29

Recommended Action:

Replace line card module.

%SYS-E-BAD_OPP_MEM Bad OPP Memory at 0x<*hex_value*> on channel <*number*>

Explanation:
The OPP Memory has failed on the specified channel. The channel number specified in the error message corresponds with the failing line module. If you are running an XP-8000/8600, the channel number indicates the number of the slot that contains the line module causing the problem. If you are running an ER16, please refer to the following table to determine the slot number that corresponds to the specified channel.

Slot #	Low Chan #	High Chan #
Slot 1	Channel 6	Channel 22
Slot 2	Channel 8	Channel 24
Slot 3	Channel 4	Channel 20
Slot 4	Channel 10	Channel 26
Slot 5	Channel 12	Channel 28
Slot 6	Channel 14	Channel 30
Slot 7	Channel 2	Channel 18
Slot 8	Channel 0	Channel 16
Slot 9	Channel 1	Channel 17
Slot 10	Channel 9	Channel 25
Slot 11	Channel 5	Channel 21
Slot 12	Channel 11	Channel 27
Slot 13	Channel 7	Channel 23
Slot 14	Channel 15	Channel 31
Slot 15	Channel 3	Channel 19
Slot 16	Channel 13	Channel 29

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-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 XP'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-BITMAP_MISMATCH \<chip_type>:Mismatch between bitmap and entry

Explanation:
This error message is most likely caused by a hardware failure.

Recommended Action:
Contact Enterasys Technical Support.

%SYS-E-BUSY tn_serv: open.0: mount device busy

Explanation:
This message appears when multiple simultaneous telnet connections are received and a problem handling the connections occurs.

Recommended Action:
If you are running firmware version older than E8.2.0.0, upgrade to E8.2.0.0 or the latest version. If problem persists, contact Enterasys Technical Support.

%SYS-E-CHS_BACKUP_FAIL> <0> <0> 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:
Contact Enterasys Technical Support.

%SYS-E-CHS_PRIMARY_FAIL> <0> <0> 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:
Contact Enterasys Technical Support.

%SYS-E-CLI_FR_SERVICE_REUSED service profile (%s) is being used for frame relay circuits

Explanation:
This message appears when a PPP service profile cannot be created because the name is already used by a frame relay service.

Recommended Action:
Select another name for the PPP service.

%SYS-E-CM_TYPE_MISMATCH When dual control modules are installed they must be of the same type. The Backup CM is being hotswapped out.

Explanation:
Control modules types must match.

Recommended Action:
Install matching control modules.

%SYS-E-COLUMN_SIZE_BELOW_MINIMUM Column size below available minimum column size of %d. Minimum column size is determined by the length of the prompt + 3 or 20 characters, whichever is greater.

Explanation:
The column size entered is less than the calculated minimum terminal column size. The minimum column size is determined by size of either the prompt + 3 or 20 characters, whichever is greater, for the prompt terminator. The prompt consists of the system name and the mode in which the user is operating.

Recommended Action:
Set a higher column size or reduce the size of the prompt by shortening the size of the system name with the **system set name** command.

%SYS-E-CONNREFUSED telnet: Unable to connect to remote host: : connection refused

Explanation:
This message appears when a user on an XP issues the "telnet" command to establish a telnet connection with a remote system but the remote system refuses the connection.

Recommended Action:
Check the remote system to determine why it isn't accepting telnet connections.

%SYS-E-CPU_CHASSIS_PROBLEM_1

This error generates the following:

%SYS-E-CPU_CHASSIS_PROBLEM_1 Two versions of the <chassis_name> backplane have been released. Version 0 backplanes can be jumpered for 50.0 or 62.5 MHz. Version 1 backplanes can be jumpered for 62.5 MHz or 66.0 MHz. The 'system show hardware' command displays the backplane version at the end of the 'System type:' line and the backplane speed on the 'Backplane frequency:' line. This version 0 backplane is jumpered for 62.5 MHz. When 2 control modules are installed the backplane must be jumpered for 50.0 MHz. The jumper controlling the backplane speed is located where the 'x' is in this figure:

```
       -------------------
      |  |-------|-------|
      |  |-------|-------|
      |  |-------|-------|
      |  |-----x-|-------|
      |_|_____|_____|
```
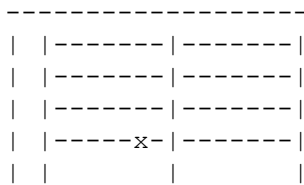
The three-pin jumper block is aligned vertically. This figure show the pin's orientation and numbers.

```
      ---
      |3|
      ---
      |2|
      ---
      |1|
      ---
```

The jumper is on pins 2 and 3. It must be moved to pins 1 and 2. The Backup CM is being hotswapped out.

Also see *%SYS-F-CPU_CHASSIS_PROBLEM_2 on page 610* and *%SYS-F-CPU_CHASSIS_PROBLEM_3 on page 611*.

Explanation:
The system has an invalid hardware configuration.

Recommended Action:
Change the jumper from pins 3 and 2 to pins 2 and 1.

%SYS-E-DELETE_IMAGE_BACKUP_FAIL <0> <1> image (%s) 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 <0> <1> you cannot delete the image %s.

Explanation:
This message appears when you attempt to delete an image from the PCMCIA Flash Module that has been chosen as the image for the XP 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.

%ACADD 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 Enterasys Technical Support.

%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-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, the write-protect switch is turned on, or the file system contained in the flash card is corrupt. Reboot the XP using the same flash card. If problem persists, obtain a new flash card or contact Enterasys Technical Support.

%SYS-E-HOSTUNREACH relay_agent: sendto: no route to host

Explanation:
This error appears when an ICMP packet(s) cannot reach its destination on a local network.

Recommended Action:
Make sure that the IP address listed in the error message is valid.

%SYS-E-HOTSWAP_BUSY Hotswap is currently processing a request to hotswap slot *<Slot Number>*. Please try your new request when the first request is complete.

Explanation:
This message appears when a user makes a request to hot swap a module in a specified slot, but the router is already processing a hot swap request for that slot. For example, if a user enters **system hotswap out slot 3** followed immediately by **system hotswap out slot 3**, the router will generate this message.

Recommended Action:
Wait until the router has completely hotswapped the module in the specified slot, then try your request again.

%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_UNKNOWN_ERROR An unknown error occurred while trying to queue hotswap request for slot *<Slot Number>*. Error Code = *<Error Number>*

Explanation:
An unknown error prevented the router from completing a hot swap request for the specified slot.

Recommended Action:
Contact Enterasys Technical Support.

%SYS-E-HOTSWAP_MODULE_OUT Cannot process your request to hotswap out slot *<Slot Number>*. The module is already hotswapped out.

Explanation:
The user attempted to hot swap a module that resides in the chassis, but is currently offline.

Recommended Action:
None. When this message appears, it is safe to remove the module from the chassis.

%SYS-E-HOTSWAPI_MASTER   can not hotswap in the Active CPU

Explanation:
This message is displayed when you are trying to hotswap in the active Control Module.

Recommended Action:
This action is not allowed.

%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:
Contact Enterasys Technical Support.

%SYS-E-HOTSWAPO_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-HOTSWAP0_SLAVE_MODULE Slot *<Slot Number>* contains a slave module which cannot be hotswapped out. Please hotswap the master module instead.

Explanation:
The 10-Gigabit module uses more than one system slot. The first circuit board is considered the MASTER module and all others are considered SLAVE modules. The user has attempted to hot swap a slave module.

Recommended Action:
Identify and hot swap the lowest slot number occupied by the 10-Gigabit module.

%SYS-E-HSSI_NOCLOCK Invalid HSSI card revision (rev. 1.x) for clock option

Explanation:
This message appears when the HSSI card revision does not support the clock option listed.

Recommended Action:
Choose another clock option.

%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_CANTSET nvram error setting *<image_name>*

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. Contact Enterasys Technical Support.

%SYS-E-IMAGES_LIST_MULTIPLE <0>   <0>   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 PCMCIA Flash Module. Only one user at a time can perform this operation.

Recommended Action:
Wait and try again.

%SYS-E-INVALIDRENAME, Invalid filename '<file-name>'; device or directory name not required for filename. Renamed file will be created in same directory as original file.

Explanation:
The file name specified to be the renamed file name cannot contain a device or directory name such as "bootflash:" or "/int-flash/cfg". The renamed file will be created in the same directory where the original file exists.

Recommended Action:
Re-execute the command WITHOUT specifying a device or directory name in the second file name parameter, which is the file name to be renamed too.

%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-IO %s: %s: I/O error

Explanation:
This message is displayed when the system is unable to close a file descriptor.

Recommended Action:
Contact Enterasys Technical Support.

%SYS-E-IVCPUMODULE CPU module type *<name>* unrecognized

Explanation:
This error message appears when the XP detects an unrecognized CPU module in the system.

Recommended Action:
Contact Enterasys Technical Support with a description of the circumstances, your system configuration, and the text of this error message.

%SYS-E-LIST_IMAGES_BACKUP_FAIL <0> <0> 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:
Contact Enterasys Technical Support.

%SYS-E-LIST_IMAGES_PRIMARY_FAIL <0> <0> 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:
Contact Enterasys Technical Support.

%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 XP.

Recommended Action:
Ensure that the specified MAC address is correct and the XP has "ownership" of that address.

%SYS-E-MEM 95% of heap memory used

Explanation:
This condition may occur when you deploy the XP with a configuration that uses many Layer-2 MAC addresses, Layer-3 flows, routing table entries, and ports with RMON/RMON2 enabled.

Recommended Action:
Enterasys Networks recommends a Control Module memory upgrade.

%SYS-E-MEMUSESTATS Printing memory stats because no memory available

Explanation:
This message appears when the XP does not have sufficient memory. The per-task memory will print to the screen. The system then produces the %SYS-F-HEAPEMPRY error message on .

Recommended Action:
Enterasys Networks recommends a Control Module memory upgrade.

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

Recommended Action:
Retry the command and specify the appropriate ports.

%SYS-E-MODULE_CRASH_DUMP Crash dump from module %d is as follows

Explanation:
This error message appears when a crash dump is specific to a module.

Recommended Action:
Check module and reboot router.

%SYS-E-MTUINTERFACEUSED The physical port MTU cannot be less than the MTU for the interface assigned to this port. Negate or modify the 'interface create ip...' command associated with this port first.

Explanation:
This error message appears when a user attempts to set the physical port MTU (via the **port set mtu** command) and the port has already been assigned to an interface which has an associated MTU that is greater than the physical MTU.

Note: The **interface create ip** command assigns a default interface MTU if it is not exclusively specified. This value can be displayed using the **interface show ip all** command.

Recommended Action:
Negate or modify the **interface create ip** command associated with this port before trying to set the port MTU via the **port set mtu** command. The MTU assigned to an interface must be less than the physical MTU of the port(s)assigned to that interface.

%SYS-E-MULTIPLEUSERS <0> <0> 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-NAME_TOO_LONG, Length of name exceeds set column size of %d. Use 'system set terminal columns' to set the column size.

Explanation:
The length of the string entered for the name exceeds the set terminal column size.

Recommended Action:
Use a shorter string for the name or decrease the terminal column size with the **'system set terminal columns** command.

%SYS-E-NFILE, falloc: fdalloc: file table overflow

Explanation:
This indicates that more than 512 file descriptors are opened. File descriptors are used for opening configuration files and for socket connections to/from the router. This could be an indication of a DoS attack on the router.

Recommended Action:
Check for a DoS attack on the router. The **ip show connections** command will display the sockets on which the router is listening as well as active connections.

%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-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-NOBUFS %s: %s: no buffer space available

Explanation:
This message appears if memory is allocated in the buffer and no space is available.

Recommended Action:
Upgrade memory.

%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-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-NOHALF, Cannot set et.16.1 to half-duplex mode - Not Supported!

Explanation:
This message appears when a user attempts to set half-duplex mode on a module that does not support it (e.g., the ER16-HFX39-24 and ER16-HFX39-24 modules).

---
port set et.16.1 duplex half

Recommended Action:
Verify that the modules on which you will enable specific modes can support them.

%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-NOMEM %s: %s: insufficient memory

Explanation:
This message appears when required memory is unavailable.

Recommended Action:
Upgrade memory.

%SYS-E-NOMSG %s: %s: no message of desired type

Explanation:
Mibget getmsg did not return expected message while reading GateD kernel's routing table.

Recommended Action:
Contact Enterasys Technical Support.

%SYS-E-NOMULTBMON Port <#> is already specified in a bmon command. You must negate this command first.

Explanation:
This error message is given when a user tries to set up a broadcast monitor that will redirect a port's traffic to more than one port.

Recommended Action:
Remove or negate the offending command from the configuration.

%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-PORTDUP, Redirecting port *<port number>* to itself is not allowed.

Explanation:
This error message is given when a user tries to set up a broadcast monitor that will redirect a port's traffic to itself.

Recommended Action:
Remove the offending command from the configuration.

%SYS-E-PRIMARY_NO_SUCH_IMAGE <0>   <1>   Primary CM-no image named %s

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-PROTO %s: %s: protocol error

Explanation:
Mibget returned protocol error while reading GateD Kernel's routing table.

Recommended Action:
Contact Enterasys Technical Support.

%SYS-E-RADIUS_TACACSPLUS_CONFLICT, RADIUS and TACACSPLUS authorization cannot be configured at the same time. Remove TACACSPLUS authentication before attempting to enable RADIUS.

Explanation:
The user attempted to enable RADIUS when TACACS Plus was already enabled—these protocols cannot operate simultaneously. This error may also appear as:

%SYS-E-RADIUS_TACACSPLUS_CONFLICT, RADIUS and TACACSPLUS authorization cannot be configured at the same time. Remove RADIUS authentication before attempting to enable TACACSPLUS.

Recommended Action:
Disable TACACS Plus authentication before attempting to enable RADIUS (or vice versa). To do this, remove the configuration line that set the current remote authentication method, then add the line with the new authentication method.

%SYS-E-RAT_FULL MAC address %s could not be added to the Router MAC Table of Port %s

Explanation:
Routing Address Table (RAT) for the given port was full and the mac address could not be added to the table. There may be too many interfaces created with unique mac addresses. VRRP could also be installing too many entries into the RAT.

Recommended Action:
Check how many interfaces are created with unique mac addresses. Check VRRP configuration. The RAT can be viewed with 'debug 12 rat port xxx' command.

%SYS-E-READVALUE, Unexpected read() value '<value>', expected value '<value>'

Explanation:
While attempting to read a file sent from the Backup CM, an error occurred when reading the file size. The Backup CM is likely running a different firmware version than the Primary CM.

Recommendation:
Verify that both the Primary CM and Backup CM are running the same version of firmware. If problem persists, please contact Enterasys Networks Technical Support.

%SYS-E-REDPARAMEQUAL maximum red threshold needs to be greater than minimum red threshold

Explanation:
Random Early Discard (RED) parameters in PPP or Frame Relay configurations have incorrect thresholds.

Recommended Action:
Check PPP or Frame Relay configurations on WAN card.

%SYS-E-SEMAPHORE_NOT_OBTAINED, Unable to obtain semaphore. File: sr_api.c Line: 323 Error: -21

Description:
Semaphores are used to protect memory by preventing other tasks from accessing a particular part of memory when another task "owns" the semaphore. This message appears when a task could not get a semaphore and started changing the protected memory—this indicates a very high possibility that memory corruption will occur.

Recommended Action:
By ignoring the lock, your router may become unstable. Contact Enterasys Technical Support.

%SYS-E-SEMAPHORE_RELEASED, Semaphore released but not obtained: 0x8017a214 0x80417b74 0x801729a8

Explanation:
Semaphores are used to protect shared memory. This message appears when a task finishes changing shared memory that may have been locked by another task. This message indicates possible memory corruption.

Recommended Action:
Contact Enterasys Technical Support and provide the message and memory addresses displayed.

%SYS-E-SETDSTIME Unable to set daylight saving time

Explanation:
This message is displayed if an error occurs while setting daylight saving time.

Recommended Action:
Set time manually with the 'system set date' command. If problem persists, contact Enterasys Technical Support.

%SYS-E-SETTIME Daylight saving time was unable to set system time

Explanation:
System received an error trying to set the real time clock.

Recommended Action:
Set time manually with the 'system set date' command. If problem persists, contact Enterasys Technical Support.

%SYS-E-SOCKETSETTYPEMISMATCH Slot %d, The Socket Set upper channel and lower channel cards are different types.

Explanation:
This message appears when there are two cards of dissimilar type in the same socket set carrier module.

Recommended Action:
Contact Enterasys Technical Support.

%SYS-E-SOCKETSETUPRCHNLSYNCFAIL The Socket_Set upper channel sync fails, hotswap out slot %d.

Explanation:
This message appears when the socket carrier module has only the lower channel in use, there is no card in the upper channel, and upper channel carrier channel sync logic has failed to sync up correctly. The carrier module will be hot swapped by software.

Recommended Action:
If problem persists, contact Enterasys Technical Support.

%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-STHALF, Cannot set <port-number> to half-duplex mode because SmartTRUNK requires its member ports to be in full-duplex mode.

Explanation:
An error occurred when attempting to change a SmartTRUNK member port to half-duplex mode.

Recommended Action:
None. The XP requires that all SmartTRUNK members are in full-duplex mode.

%SYS-E-SYSTEMIMAGEFAIL {Primar|BAckup} CM: command '{add|delete|list|choose}' failed: <REASON>

Explanation:
The **system image** command did not finish successfully.

Recommended Action:
The action required depends on the command that failed and the reason for the failure. Some commone examples include:

- Image already exists (the given image name is already in use; choose another name, or remove the existing image, then try again)

- Not enough space on device (there is no room left on the flash card for another image. Delete one or more images and try again)

- No such image (the given image name does not exist. Check the spelling of the name and try again)

- Attempted to delete image chosen for next boot (choose another image, or "none", then try again)

- Unable to save image (contact Enterasys technical support)

%SYS-E-UNKNOWN_MODE Unknown mode set for deep hashing -- %s

Explanation:
System became confused about which hashing mode is being set.

Recommended Action:
Contact Enterasys Technical Support.

%SYS-E-UNKNOWNURL Unrecognized URL: *<URL>*

Explanation:
This error message appears when the XP encounters an unrecognizable URL.

Recommended Action:
Ensure that the specified URL is correct.

%SYS-E-UNKWNHOST unknown host '*<name>*'

Explanation:
This error message appears when the XP 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-VFSBADINUSECNT %s: %s: invalid in-use count

Explanation:
This message appears when you attempt to modify the configuration on the XP. The file system where you store the Startup configuration file is corrupted and must be reformatted to fix the problem.

Recommended Action:

1. Record your current configuration information (it will be lost when you reboot your system or when you reformat the file system).

Note: If your system contains a PCMCIA module, a backup copy of your Startup configuration should have been stored on it so this step may not be necessary.

2. Reboot the XP. During the Boot Firmware initialization, press the Escape key to stop the System Firmware from booting. (Typically, the Boot Firmware waits two seconds for user interruption before starting to boot the System Firmware.)

3. At the Boot Firmware's CLI prompt, enter the following:

```
xp-boot> umount
xp-boot> erasevfs
xp-boot> mount -i
xp-boot> boot
```

% SYS-E-VFSBADVERSION vfs_initialize_pcmcia: flash mount: bad VFS version - file system erased?

Explanation:
While trying to initialize the PCMCIA Flash Module, an illegal version number was detected. This is usually due to an erased PCMCIA Flash Module.

Recommended Action:
Use the boot image prompt command "pcmount -i" to initialize the PCMCIA Flash Module.

% SYS-E-VFSCORRUPT error while attempting to repair file system

Explanation:
While attempting to fix a problem detected by the file system verify, an error was detected. The file system is corrupt and cannot be fixed.

Recommended Action:
Use the boot image prompt (XP-boot) commands "erasepcvfs" and "pcmount -i" to initialize the PCMCIA Flash Module.

%SYS-E-VFSDISKCREATE %s: %s error initializing disk

Explanation:
This message appears when an error creating a native file in the virtual file system occurs.

Recommended Action:
Call Enterasys Technical Support.

%SYS-E-VFSDISKOPEN %s: %s error opening disk

Explanation:
This message appears when an error opening a native file in the virtual file system occurs.

Recommended Action:
Call Enterasys Technical Support.

%SYS-E-VFSDISKREAD %s: %s error reading disk

Explanation:
This message appears when an error seeking/reading native file in the virtual file system occurs.

Recommended Action:
Call Enterasys Technical Support.

%SYS-E-VFSDISKWRITE %s: %s error writing disk

Explanation:
This message appears when an error seeking/writing native file in the virtual file system occurs.

Recommended Action:
Call Enterasys Technical Support.

%SYS-E-VFSENTRYFREED file system block freed during verify

Explanation:
While verifying the VFS, a bad block was detected and fixed automatically.

Recommended Action:
Informational message only, no action necessary.

%SYS-E-VFSFILECLOSE %s: %s file close failed

Explanation:
This message appears when an error closing native file in the virtual file system occurs.

Recommended Action:
Call Enterasys Technical Support.

%SYS-E-VFSFILESYSFULL %s: %s: file system is full

Explanation:
System could not find any more space on the virtual file system.

Recommended Action:
Delete some files to make space. Upgrade to larger storage device.

%SYS-E-VFSINTFLASHBAD %s: %s: internal flash corrupted

Explanation:
Internal permanent flash memory is corrupted.

Recommended Action:
Should happen only during bootup. If rebooting does not help, boot to the boot prompt by using the ESC key while booting. Must be connected to console port to get the boot prompt. Use the commands: 'umount' to unmount the file system, 'erasevfs' to reset the internal flash, or 'mount-i' to remount the clean file system (the -i option reinitializes the file system).

%SYS-E-VFSMODECONFLICT %s: %s: conflicting mode for file open

Explanation:
Virtual file system is trying to perform an operation on a file with conflicting modes (e.g., read/write on a compressed file).

Recommended Action:
Call Enterasys Technical Support.

%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:
XP is unable to transfer the configuration file to the backup CM module.

Recommended Action:
Contact Enterasys Technical Support.

%SYS-E-XG_FPGA_PROGRAM   Unable to update module *<Module num>* Ten Gig FPGA from *<File1>* to *<File2>*

Explanation:
This message occurs if an error occurs while performing a FPGA update with software.

Recommended Action:
Verify software versions and naming convention. If problem persists, please contact Enterasys Technical Support.

%SYS-E-XG_GET_ERROR *<Function>* failed - port: *<Main Port>* subport: *<Supporting Port>*

Explanation:
The 10-Gigabit module has two port types that connect to the backplane—the main port and the supporting ports. This appears if the main port and supporting ports are operating in different modes.

Recommended Action:
Please contact Enterasys Technical Support.

%SYS-E-XG_HOTSWAP_ERROR slot *<Slot>* is not the primary slot. Please reference the primary slot for this module.

Explanation:
This message occurs if a user performing a hot swap specifies a slot other than the primary slot.

Recommended Action:
Use the primary slot to hot swap the 10-Gigabit module.

%SYS-E-XG_PHYCARD_ERROR *<Description> <Port>*

Explanation:
No PHY card is present in the 10-Gigabit line module.

Recommended Action:
Add a PHY card to the main board.

%SYS-E-XG_SET_ERROR *<Description> <Port>*

Explanation:
This error occurs when attempting to apply an incorrect setting to the 10-Gigabit port. Such settings include Duplex, Speed, Auto-negotiation, and SmartTRUNKing.

Recommended Action:
Do not attempt to apply any of these settings to the port.

Fatal Messages

%SYS-F-ASSERT Assertion 'assertion_string' failed: file *<file_name>*, line *<line_number>*

Explanation:
An internal error occurred.

Recommended Action:
Contact Enterasys Technical Support.

%SYS-F-BACK_FREQ_FAILED, Rebooting failed to help calculate the backplane frequency. Unable to boot the system.

Explanation:
The system firmware attempted to calculate the backplane frequency twice but both attempts failed.

Recommended Action:
If problem persists, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%SYS-F-BADBLK memory free failed - block '0x*<hex_value>*' address is invalid (*<number>*)

Explanation:
Software problems in the memory management software.

Recommended Action:
Report problem to Enterasys Technical Support.

%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:
Report problem to Enterasys Technical Support.

%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:
Report problem to Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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:
Report problem to Enterasys Technical Support.

%SYS-F-BLKNOALLOC memory block '0x*<hex_value>*' should have been allocated

Explanation:
Software problems in the memory management software.

Recommended Action:
Report problem to Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%SYS-F-CLI_ERROR_MEM_FAIL cli malloc has failed

Explanation:
Failed to allocate enough memory for command line interface process.

Recommended Action:
Upgrade system memory.

%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, contact Enterasys Technical Support.

%SYS-F-CPU_CHASSIS_PROBLEM_2

This error generates the following:

%SYS-F-CPU_CHASSIS_PROBLEM_2 Two versions of the <chassis_name> backplane have been released. Version 0 backplanes can be jumpered for 50.0 or 62.5 MHz. Version 1 backplanes can be jumpered for 62.5 MHz or 66.0 MHz. The 'system show hardware' command will display the backplane version at the end of the 'System type:' line and the backplane speed on the 'Backplane frequency:' line. This version 0 backplane is jumpered for 50.0 MHz. When a <control_module_version_3> is installed the backplane must be jumpered for 62.5 MHz. The jumper controlling the backplane speed is located where the 'x' is in this figure:

```
         -------------------
        | |-------|-------|
        | |-------|-------|
        | |-------|-------|
        | |-----x-|-------|
        |_|_____|_____|
```
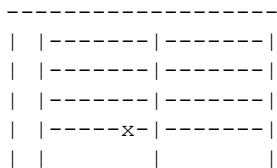
The three-pin jumper block is aligned vertically. This figure illustrates the pin's orientation and numbering system:

```
         ---\n
        |3|\n
         ---\n
        |2|\n
         ---\n
        |1|\n
         ---\n
```

The jumper is on pins 1 and 2. It must be moved to pins 2 and 3.

Also see *%SYS-E-CPU_CHASSIS_PROBLEM_1* on page 582 and *%SYS-F-CPU_CHASSIS_PROBLEM_3* on page 611.

Explanation:
The system has an invalid hardware configuration.

Recommended Action:
Change the jumper from pins 2 and 1 to pins 3 and 2.

%SYS-F-CPU_CHASSIS_PROBLEM_3

This error generates the following:

%SYS-F-CPU_CHASSIS_PROBLEM_3 Two versions of the <chassis_name> backplane have been released. Version 0 backplanes can be jumpered for 50.0 or 62.5 MHz. Version 1 backplanes can be jumpered for 62.5 MHz or 66.0 MHz. The 'system show hardware' command will display the backplane version at the end of the 'System type:' line and the backplane speed on the 'Backplane frequency:' line. This version 1 backplane is currently jumpered for 66.0 MHz which is an invalid hardware configuration. The jumper controlling the backplane speed is located where the 'x' is in the following diagram:

```
       -------------------
      | |-------|-------|
      | |-------|-------|
      | |-------|-------|
      | |-----x-|-------|
      |_|_____|_____|
```
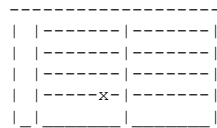
The two-pin jumper block is aligned horizontally as show in this figure:

```
       -------
      |   |   |
       -------
```

The jumper is on both pins. It must be removed.

Also see *%SYS-E-CPU_CHASSIS_PROBLEM_1* on page 582 and *%SYS-F-CPU_CHASSIS_PROBLEM_2* on page 610

Explanation:
The system has an invalid hardware configuration.

Recommended Action:
Remove the jumper.

%SYS-F-CPU_CHASSIS_PROBLEM_4

This error generates the following:

This *<system_type>* system is jumpered for 66.0 MHz which is an invalid hardware configuration. The jumper controlling the backplane speed is located where the 'x' is in the following diagram:

```
         --------------------
        | |--------|--------|
        | |--------|--------|
        | |--------|--------|
        | |----------------|
        | |----------------|
        | |----------------|
        | |--------|-------|
        | |--------|-------|
        | |--------|-------|
        | |--------|-------|
        | |........|....x...|
        |_|_____|_____|
```

The three-pin jumper block is aligned horizontally as show in this figure.

```
         -------------
        | 1 | 2 | 3 |
         ------------
```

The jumper is on pins 1 and 2. It must be moved to pins 2 and 3.

Explanation:
The system has an invalid hardware configuration.
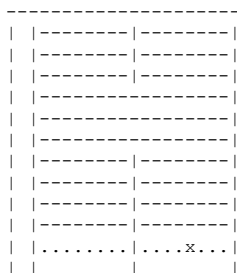
Recommended Action:
Move the jumper from pins 1 and 2 to pins 2 and 3.

%SYS-F-CPU_CHASSIS_PROBLEM_5

This error generates the following:

This *<system_type>* system is jumpered for 66.0 MHz which is an invalid hardware configuration. The jumper controlling the backplane speed is located on the clock card where the 'x' is on the left diagram below. After removing the cover plate slide out the clock card, it is the bottom card. The right diagram is a top view of the clock card. The 'z' in the right diagram shows where the jumper labeled 'JP1' is located on the clock card. Remove the jumper from the two pins.
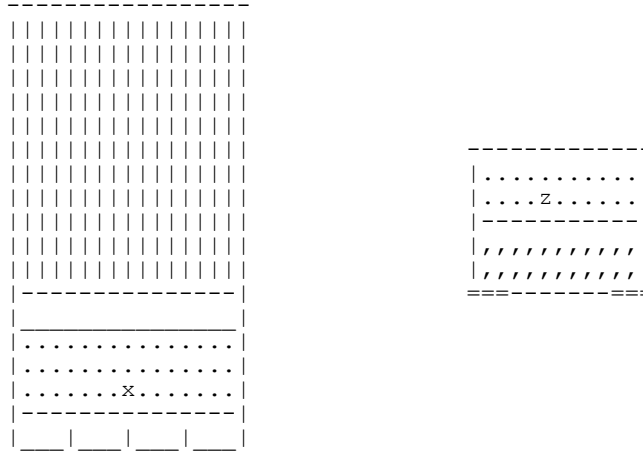
```
   ----------------
   ||||||||||||||||||
   ||||||||||||||||||
   ||||||||||||||||||
   ||||||||||||||||||
   ||||||||||||||||||
   ||||||||||||||||||        ------------
   ||||||||||||||||||       |..........|
   ||||||||||||||||||       |....z.....|
   ||||||||||||||||||       |----------|
   ||||||||||||||||||       |,,,,,,,,,,|
   ||||||||||||||||||       |,,,,,,,,,,|
   |----------------|       ===-------===
   |_____|
   |..............|
   |..............|
   |.......x......|
   |--------------|
   |___|___|___|___|
```

Explanation:
The system has an invalid hardware configuration.

Recommended Action:
Remove the jumper labeled JP1 from the clock card.

%SYS-F-CPU_CHASSIS_PROBLEM_6, Unknown chassis problem (System_ID=<num1>, MBoard_ID=<num2>, Ver=<num3>)

Explanation:
The control module determined that the chassis' backplane was running at 66 MHz, but could not determine the chassis type in which the module is installed.

Recommended Action:
The system will reboot. If the problem persists contact Enterasys Technical Support with the information in the error message.

%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. Contact Enterasys Technical Support.

%SYS-F-LESS_THAN_64MB_MEMORY The minimum amount of memory for this version of System Firmware is 64MB. Press the ESC key when the Boot Firmware prompts you and the revert to a System Firmware version that takes less than 64MB of memory.

Explanation:
The minimum amount of memory to run the System Firmware is 64MB.

Recommended Action:
Install more memory or revert back to a release prior to 3.1.0.0.

%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, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%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, contact Enterasys Technical Support.

%SYS-F-MEMCORRUPT memory block '0x*<hex_value>*' has been corrupted

Explanation:
Software problems in the memory management software.

Recommended Action:
Report problem to Enterasys Technical Support.

%SYS-F-MEMHDRBAD malloc header size '*<number>*' is invalid

Explanation:
Software problems in the memory management software.

Recommended Action:
Report problem to Enterasys Technical Support.

%SYS-F-MEMHDRIDX malloc block '0x*<hex_value>*' header index '*<number>*' is invalid

Explanation:
Software problems in the memory management software.

Recommended Action:
Report problem to Enterasys Technical Support.

%SYS-F-READFAILURE Problem reading slot *<slot_number>* likely due to removing a line card without pushing the hotswap button, not letting a hot swap complete before removing the line card, a low power condition, or a power supply problem.

Explanation:
An external error has been detected.

Recommended Action:
Press the Hot Swap button or use the "system hotswap out" command to hot swap out line cards before removing them, allow hot swap operations on line cards to complete before removing them, verify the power cable is fully plugged into the power supply, and replace faulty power supplies. If the slot number printed out is the lowest numbered slot with a line card in it then the problem was most likely a power problem.

%SYS-F-SLOT_IN_USE Slot *<Slot Number>* is already in use. Cannot add module to slot *<Slot Number>*

Explanation:
The router is attempting to process a request to hot swap a module into a slot that already contains a module. The hot swap queue mechanism should prevent the router from attempting such an action.

Recommended Action:
Contact Enterasys Technical Support.

%SYS-F-STACKOVERFLOW, Stack overflow in *<task-name>* task

Explanation:
This fatal error will occur if the specified subsystem does not have enough memory allocated to it in order for it to function reliably.

Recommended Action:
Contact Enterasys Technical Support for information on the appropriate action to take.

%SYS-F-STEAL_PORT_BUS_FAILED The Backup CM's attempt to become the Primary CM failed. This system contains a version *<chassis_name>* backplane.

Explanation:
The Backup control module attempted to become the Primary control module but failed.

Recommended Action:
Contact Enterasys Technical Support.

%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.

Chapter 72

Syslog Error Messages

This chapter describes the error messages for the Syslog facility.

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:
Informational message. No action required.

Audit Messages

%SYSLOG-A-COMMAND_ADD "Config command (%s) added to configuration"

Explanation:
A syslog configuration command was added to the active configuration.

Recommended Action:
Security audit message. No action necessary.

%SYSLOG-A-COMMAND_FAIL "Config command (%s) failed to execute"

Explanation:
A syslog configuration command caused an execution failure when added to the active configuration.

Recommended Action:
Security audit message. No action necessary.

%SYSLOG-A-COMMAND_MOD "Config command (%s) modified existing command"

Explanation:
A syslog configuration command in the active configuration was modified.

Recommended Action:
Security audit message. No action necessary.

%SYSLOG-A-COMMAND_REM "Config command (%s) removed from configuration"

Explanation:
A syslog configuration command was removed from the active configuration.

Recommended Action:
Security audit message. No action necessary.

Warning Messages

%SYSLOG-W-UNKWNHOST Cannot resolve syslog server '*<name>*'.

Explanation:
This error message appears when the XP 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 XP is able to resolve the syslog server's hostname.

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.

%SYSLOG-E-SOCKET_OPEN_FAILED socket open failed in error log task

Explanation:
This message appears when a socket fails to open when sending error messages to the syslog server.

Recommended Action:
Contact Enterasys Technical Support.

Fatal Messages

%SYSLOG-F-ERRORLOG_Q_CREATE_FAILED errlog Q create failed, '%s': %dSENDMSG failed to contact syslog server '*<name>*': *<name>*

Explanation:
This message appears when a queue to receive error messages fails to be created.

Recommended Action:
Contact Enterasys Technical Support.

%SYSLOG-F-ERRORLOG_TMR_CREATE_FAILED, error log timer create failed, ErrorLog_Init: -26.

Explanation:
The XP could not create the errlog watchdog timer—this will cause the XP to crash.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 73

System Error Messages

This chapter describes the error messages for the System facility.

Audit Messages

%SYSTEM-A-CLI_MODE_CHANGE "CLI mode changed to (%s)."

Explanation:
The CLI user changed to a different user mode.

Recommended Action:
Security audit message. No action necessary.

%SYSTEM-A-PORT_COMMAND_ADD "Port Config command (%s) added to configuration"

Explanation:
A Port configuration command was added to the active configuration.

Recommended Action:
Security audit message. No action necessary.

%SYSTEM-A-PORT_COMMAND_FAIL "Port Config command (%s) failed to execute"

Explanation:
A Port configuration command failed to execute when added to the active configuration.

Recommended Action:
Check the command options and syntax and try the command again.

%SYSTEM-A-PORT_COMMAND_MOD "Port Config command (%s) modified existing command"

Explanation:
A Port configuration command in the active configuration was modified.

Recommended Action:
Security audit message. No action necessary.

%SYSTEM-A-PORT_COMMAND_REM "Port Config command (%s) removed from configuration"

Explanation:
A Port configuration command was removed from the active configuration.

Recommended Action:
Security audit message. No action necessary.

%SYSTEM-A-SYSLOGLEVEL "Syslog level changed to %s for facility %s."

Explanation:
The configured syslog minimum level has changed.

Recommended Action:
Security audit message. No action necessary.

Error Messages

%SYS-E-PORTISMIRROR Port '%s' is a designated monitor port for port mirroring, already disabled

Explanation:
This message appears when you use a **port disable** command to disable a monitor port that was already disabled with a **port mirror** command.

Recommended Action:
The port specified must not be configured as a monitor port for a port mirror.

Chapter 74

T1T3CLI Error Messages

This chapter describes the error messages for the T1T3CLI facility.

Informational Messages

%T1T3CLI-I-SERVICENONFR   service%s is not frame relay service

Explanation:
This message is displayed when the user tries 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%s is not PPP service

Explanation:
This message is displayed when the user tires to assign a non-PPP service to a PPP port.

Recommended Action:
Make sure that the service is a PPP service.

Warning Messages

%T1T3CLI-W-MLPVLANADDFAIL   vlan add port command failed on %s, starting clean-up

Explanation:
This message is displayed when adding a multilink PPP port to a specified VLAN fails.

Recommended Action:
None.

%T1T3CLI-W-VLANADDFAIL vlan add port command failed on wan slot %d port %d, starting clean-up

Explanation:
This message is displayed when adding a WAN port to a specified VLAN fails.

Recommended Action:
None.

Error Messages

%T1T3CLI-E-HASLINKS   mlp(%s) still has ppp ports joined

Explanation:
This error message is displayed when removing an MLP bundle fails because it has PPP ports attached to it.

Recommended Action:
Remove the PPP links from the MLP bundle and try again.

%T1T3CLI-E-MLPPHYPORT %s is part of mlp group, please use mlp port name instead.

Explanation:
This error message is displayed when a physical port 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 %s already belongs to %s

Explanation:
This error messages is displayed when trying to add a physical port to more than one MLP bundle.

Recommended Action:
Use MLP port name instead of physical port name.

%T1T3CLI-E-MLPPORTEXIST %s already exists

Explanation:
This error message is displayed when trying to create an MLP bundle that already exists.

Recommended Action:
None.

%T1T3CLI-E-MLPPORTNOTEXIST %s does not exist, please use ppp create-mlp command first

Explanation:
This message is displayed when trying to delete PPP port that does not exist.

Recommended Action:
None.

%T1T3CLI-E-MLPPORTUSED   physical port(s) used by configuration command.

Explanation:
This error message is displayed when the specified physical ports that are being added into an MLP bundle is used by a configuration command.

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-MLPSLOT mlp(%s) and port(%s) are not configured for the same slot

Explanation:
This error message is displayed when trying 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(%s) is already on vlan(%s)

Explanation:
This error message is displayed when trying 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-VCALREADYEXIST   frame-relay create vc command failed for %s since they are already created

Explanation:
This error message is displayed when creating a Frame Relay PVC fails because the PVC already exists.

Recommended Action:
None.

Chapter 75

Telnet Error Messages

This chapter describes the error messages for the Telnet facility.

Audit Messages

%TELNETD-A-LOGIN "Telnet user login"

Explanation:
A new Telnet user has logged in to the system.

Recommended Action:
Security audit message. No action necessary.

%TELNET-A-LOGINFAIL "%d login failures from %s"

Explanation:
A login failure has occurred because a Telnet user had incorrectly entered userid/password information.

Recommended Action:
Security audit message. No action necessary.

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-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.

%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.

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 Enterasys Technical Support.

Chapter 76

TFTP Error Messages

This chapter describes the error messages for the Trivial File Transfer Protocol facility.

Informational Messages

%TFTP-I-BAD_TFTP_SOURCE_ADDRESS, Using default TFTP source address.

Explanation:
This messages appears when the router's TFTP server could not use the source IP address specified by the **system set tftpsource** command. The router was able to bind the default IP address.

Recommended action:
Informational message only, no action necessary.

%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 required.

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-CREATETASK TFTP server could not create a child task: %i

Explanation:
This message indicates that there is a system failure.

Recommended Action:
Contact Enterasys Technical Support.

%TFTP-E-GETFILENAME Could not parse the incoming TFTP request

Explanation:
The file name is longer than the packet size specified in an incoming TFTP request packet. This may be caused by a corrupted TFTP request packet.

Recommended Action:
If problem persists, contact Enterasys Technical Support.

%TFTP-E-INVALIDFILE TFTP server could not open file '%s'

Explanation:
TFTP server could not open the file specified in an incoming TFTP request packet. This may be caused by an incorrect format of the filename sent by the TFTP client or by a corrupted TFTP request packet. The message should disappear once a filename with correct format is sent by the TFTP client.

Recommended Action:
If problem persists, contact Enterasys Technical Support.

%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.

%TFTP-E-SESSIONDENIED New TFTP server session denied -- Too many sessions

Explanation:
There are too many TFTP server sessions on the XP.

Recommended Action:
Terminate an existing TFTP session or wait until an existing TFTP session is finished.

%TFTP-E-SESSIONENDED TFTP server session ended prematurely: %i

Explanation:
TFTP server terminates the session with TFTP client if not able to open the local file specified by the client, or not able to receive or send file to the client. This can happen if the server cannot find the local file specified by the client. The message should disappear once the correct file name is sent by the client.

Recommended Action:
If problem persists, contact Enterasys Technical Support.

%TFTP-E-TASKENDED TFTP server task died prematurely

Explanation:
This message indicates that there is a system failure.

Recommended Action:
Contact Enterasys Technical Support.

Warning Messages

%TFTP-W-BAD_TFTP_SOURCE_ADDRESS, TFTP source address 10.136.16.4 specified by the 'system set tftpsource' command could not be bound.

Explanation:
This warning appears when a user configures a TFTP source address using the **system set tftpsource** command and the router is unable to use the address.

Recommended action:
If this error occurs, the router will immediately attempt to send data to the TFTP server via the default IP address.

Chapter 77

Traceroute Error Messages

This chapter describes the error messages for the Traceroute facility.

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-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 Enterasys Technical Support.

%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.

Chapter 78

Unicast Error Messages

This chapter describes the error messages for the Unicast facility.

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.

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.

Error Messages

%UNICAST-E-IFALLNOTFOUND Cannot set all interfaces without adding them with command *<ip-router global add interface all>*

Explanation:
A routing option was applied to interfaces that do not exist.

Recommended Action:
Use the **ip-router global add interface all** command to add the interfaces.

%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 *<interface-name or ip-address>* has not been added by command *<ip-router global add interface>*

Explanation:
A routing option was applied to an interface that does not exist.

Recommended Action:
Use the **ip-router global add interface** command to add the 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:
Contact Enterasys Technical Support.

%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 message displays repeatedly, contact Enterasys Technical Support.

%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.

Fatal Errors

%UNICAST-F-NOSPAWN Failed to spawn Gated (status *<number>*).

Explanation:
The Gated task could not be spawned.

Recommended Action:
Restart the system. If problem persists, contact Enterasys Technical Support.

Chapter 79

VLAN Error Messages

This chapter describes the error messages for the VLAN facility.

Informational Messages

%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-IFMTUCHANGED The MTU of the interface *<interface_name>* changed to *<MTU>*

Explanation:
This message appears when the maximum transmission unit of an interface has changed as a result of adding or removing port(s) from a VLAN.

Recommended Action:
Informational message. No action necessary.

%VLAN-I-MULTIRMPORTS Removing ports *\<port_list\>* from *\<vlan_name\>* through *\<vlan_name\>*

Explanation:
This message is displayed when ports are removed from multiple VLANs.

Recommended Action:
Informational message. No action necessary.

Audit Messages

%VLAN-A-ACCESSCHNG "Port%s%s successfully changed to %s."

Explanation:
This message appears at the completion of the **vlan add ports** command.

Recommended Action:
Security audit message. No action necessary.

%VLAN-A-ADDSUCCESS "%d %s %s successfully added to VLAN %s"

Explanation:
This message appears at the completion of the **vlan add ports** command.

Recommended Action:
Security audit message. No action necessary.

%VLAN-A-CREATED "VLAN %s created with VLAN ID %d. To add ports to the VLAN, use the \"vlan add ports\" command."

Explanation:
This message appears when a VLAN is created successfully.

Recommended Action:
Security audit message. No action necessary.

%VLAN-A-L4BDGSTATE "L4-Bridging %s on Vlan %d (%s)."

Explanation:
This message displays the state of the Layer-4 Bridging function with respect to a VLAN.

Recommended Action:
Security audit message. No action necessary.

%VLAN-A-MULTIADDPORTS "Adding ports %s to %s through %s"

Explanation:
This message appears when a user adds ports to multiple VLANs.

Recommended Action:
Security audit message. No action necessary.

%VLAN-A-MULTICREATED "VLANS %s through %s successfully created. To add ports to multiple VLANS, use \"vlan multi-add ports\" command."

Explanation:
This message appears when a user creates multiple VLANs.

Recommended Action:
Security audit message. No action necessary.

%VLAN-A-MULTIREMOVED "VLANS %s through %s successfully removed"

Explanation:
This message appears when a user removes multiple VLANs.

Recommended Action:
Security audit message. No action necessary.

%VLAN-A-MULTIRMPORTS "Removing ports %s from %s through %s"

Explanation:
This message appears when a user removes ports from multiple VLANs.

Recommended Action:
Security audit message. No action necessary.

%VLAN-A-REMOVED "VLAN %s successfully removed"

Explanation:
This message appears when a VLAN is negated (removed) successfully.

Recommended Action:
Security audit message. No action necessary.

%VLAN-A-RMPORTS "Removing ports %s from VLAN %s[%d]"

Explanation:
This message appears when the system is in the process of removing the specified ports from the VLAN indicated.

Recommended Action:
Security audit message. No action necessary.

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-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.

%VLAN-W-IFSETMTU The interface *<interface_name>* MTU could not be changed successfully as a result of adding port(s) to the VLAN *<vlan_name>* (*<function>*)

Explanation:
This message appears when the maximum transmission unit of an interface could not be changed when adding ports to the VLAN.

Recommended Action:
Please review the associated port and interface vlan members configuration. Verify the MTU sizes configured by the "port set <port-list> mtu" and "interface create ip <interface name> mtu" to ensure the selections are correct.

%VLAN-W-MULTIADDFAILURE Failure to add *<port_list>* to *<vlan_name>*

Explanation:
This message is displayed when ports are unable to be added to the VLAN.

Recommended Action:
Contact Enterasys Technical Support.

%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:
Contact Enterasys Technical Support to upgrade the line card.

%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:
Contact Enterasys Technical Support to upgrade the line card.

%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:
Contact Enterasys Technical Support.

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-ALIASATTACHED, The VLAN '<name>' has an associated SNMP ifAlias. The ifAlias must be removed before removing the VLAN.

Explanation:
This error will occur if you attempt to negate a **vlan create** command for an interface that has been assigned an alias via the **snmp set if-alias** command.

Recommended Action:
Negate the **snmp set if-alias** command before negating the **vlan create** command.

%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-ATMBADMUX VLAN contains an ATM VC port with encap type of vc-mux. Only one protocol can be associated with this type of port.

Explanation:
An ATM VC with encap type vc-mux sends no protocol information over the wire. Because the protocol is determined from the VC, only IP or IPX can be configured over a vlan or port that contains an ATM VC in vc-mux encap mode. This error appears when you attempt to add a port with encap type of vc-mux to a vlan that has both IP and IPX interfaces configured.

Recommended Action:
See that only one protocol is associated with this type of port.

%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:
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:
Select another name which 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-DFLTSTPCFLCT One or more ports being added have default stp enabled on them and this conflicts with the pvst instance on the vlan

Explanation:
This message appears when ports with default STP enabled are being added to a VLAN with a PVST instance.

Recommended Action:
Do not add ports with STP enabled to a VLAN with a PVST instance.

%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-FORBIDDEN Port(s) '*<port_list>*' can not be added to vlan '*<vlan_name>*' as they are forbidden from being added to the vlan

Explanation:
This message appears when an attempt is made to add ports to the VLAN that are forbidden from being added to the VLAN.

Recommended Action:
Remove the port(s) from the VLAN forbid command and then add the ports to the VLAN.

%VLAN-E-FORBIDDEN_LIST Vlan '*<vlan_name>*' contains list of forbidden ports. Please remove them before removing the vlan.

Explanation:
This message appears when an attempt is made to delete a VLAN that contains forbidden ports.

Recommended Action:
Negate the VLAN forbid command and try removing the VLAN again.

%VLAN-E-GVRP_VLAN Vlan *<vlan_name>* is dynamically created via GVRP and ports can not be added to it statically.

Explanation:
This message appears when you add ports to a VLAN created by GVRP.

Recommended Action:
VLANs created dynamically by GVRP cannot have ports statically added to them.

%VLAN-E-IGMPENABLED, IGMP snooping is enable on VLAN '*<vlan name>*'. The 'igmp enable vlan *<vlan name>*' command must be removed before removing the VLAN.

Explanation:
This message appears when a user attempts to negate a **vlan create** or **vlan multi-create** command for a VLAN that has IGMP snooping enabled via the **igmp enable vlan** command.

Recommended Action:
Negate the **igmp enable vlan** command associated with the VLAN before negating the **vlan create** or **vlan multi-create** command.

%VLAN-E-L4ACLAPPLIED L4-bridging could not be removed from VLAN *<vlan_name>* because one or more of its ports has an ACL applied. Please remove all applied ACLs before removing L4-bridging.

Explanation:
A user applied an ACL to a port inside a VLAN where an attempt was made to remove Layer-4 bridging. Layer-2 ACLs require L4-bridging in order to operate.

Recommended Action:
Remove all applied ACLs from any ports within the VLAN or leave Layer-4 bridging enabled.

%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. 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:
Contact Enterasys 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-MEMBERS Port(s) '*<port_list>*' are already members of vlan '*<vlan_name>*' and can not be forbidden from being added to the vlan

Explanation:
This message appears when an attempt is made to forbid ports from a VLAN that are already members of the VLAN.

Recommended Action:
Remove the ports from the VLAN and then execute the VLAN forbid command again.

%VLAN-E-MULTI_NOT_REMOVED Failure to remove *<num>* VLANS

Explanation:
This message is displayed when multiple VLANs cannot be removed.

Recommended Action:
VLANS with ports cannot be removed. Make sure all ports are removed from all of the VLANS and try again.

%VLAN-E-MULTIADDFAILURE Failure to add *<port_list>* to *<vlan_name>*

Explanation:
This message is displayed when ports cannot be added to multiple VLANs.

Recommended Action:
Contact Enterasys Technical Support.

%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 displays when ports on a line card which does not support NAT are being added to a VLAN that requires them to support NAT.

Recommended Action:
Contact Enterasys Technical Support to upgrade the line card.

%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:
Remove the port from all VLANs before being converting it to an access port. Then it can be added to the desired VLAN(s).

%VLAN-E-NOCREATE Failed to create VLAN *<vlan_name>*.

Explanation:
An internal error occurred while creating a VLAN.

Recommended Action:
Contact Enterasys Technical Support.

%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:
Contact Enterasys Technical Support to upgrade the line card.

%VLAN-E-NOMEM Command failed because system has run out of memory.

Explanation:
This message is displayed when the XP has run out of free memory.

Recommended Action:
Add more memory to the XP Control Module.

%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 that does not support multiple IPX encapsulations are being added to a vlan which requires them to support multiple IPX encapsulations.

Recommended Action:
Contact Enterasys Technical Support to upgrade the line card.

%VLAN-E-NOMULTICREATE Failure to create VLAN *<vlan_name>*

Explanation:
This message is displayed when multiple VLANs cannot be created.

Recommended Action:
Contact Enterasys Technical Support.

%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-NOTATRUNKPORT Port *<port>* must be a trunk to be added to more than one VLAN

Explanation:
This message is displayed when you try to add an access port to multiple VLANs.

Recommended Action:
Make the port a trunk port and execute the command again.

%VLAN-E-PORTACLAPPLIED Port(s) cannot be removed from VLAN *<vlan_name>* because one or more ACLs are applied. Please remove all applied ACLs before removing port(s).

Explanation:
The port a user is attempting to remove from a VLAN has an ACL applied to it. Layer-2 ACLs require that the port is a member of a Layer-4 bridged VLAN to operate.

Recommended Action:
Remove all applied ACLs from the port or leave it as a member of the VLAN.

%VLAN-E-PORTNOTADDED, The port was not added to the vlan because it's MTU is too low for the interface assigned to that vlan.

Explanation:
This error message appears when a user attempts to add a port to a VLAN that belongs to an interface and the port's MTU is less than what the interface allows.

Recommended Action:
Increase the port MTU using the **port set** command or remove the interface to which the VLAN belongs. Interfaces require that port(s) assigned to them have an MTU greater than 94—on their own, MTU's can be as low as 64.

%VLAN-E-PVID Port(s) *<port-list>* cannot set PVID to vlan *<vlan name>*, port(s) have not been added to the vlan

Explanation:
This message appears when the user has not added port(s) to the VLAN with the **vlan add ports** command.

Recommended Action:
Add the port to the VLAN using the **vlan add ports** command.

%VLAN-E-PVID_PORTS Vlan *<vlan name>* is reference by a vlan default-vlan ports command. Please remove before removing the vlan.

Explanation:
This message appears when a user attempts to negate a **vlan create** command for which a **vlan default-vlan ports** command exists.

Recommended Action:
Remove the **vlan default-vlan ports** command.

%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-RATELIMITVLAN, Rate Limit Policy is applied to VLAN '<vlan name>'. The 'rate-limit <policy name> vlan <vlan name>' command should be removed first.

Explanation:
This error occurs when a user attempts to negate a VLAN command such as **vlan create**, **vlan multi-create**, or **vlan enable l4-bridging** when a rate-limit policy is defined for that VLAN via the **rate-limit** *<policy name>* **vlan** *<vlan name>* command.

Recommended Action:
Negate the **rate-limit** *<policy name>* **vlan** *<vlan name>* command for the VLAN before negating the VLAN commands.

%VLAN-E-STARTID_TOOBIG The start ID must be smaller than the end ID

Explanation:
This message is displayed when multiple VLANs are being created and the start ID is greater than or equal to the end ID.

Recommended Action:
Make sure the start ID is less than the end ID and execute the command again.

%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-UNTAGGED Port(s) *<port-list>* cannot be set untagged on vlan *<vlan-name>*, not an egress port or port is part of a link group.

Explanation:
This message appears when a user has not added the port(s) to the VLAN or if the port is part of a SmartTRUNK.

Recommended Action:
Verify that the ports specified are correct and, if necessary, add the port to the VLAN using the **vlan add ports** command.

%VLAN-E-UNTAGGED_PORTS Vlan *<vlan name>* has configured untagged ports(s). Please remove them before removing the vlan.

Explanation:
This message appears when a user attempts to negate a **vlan create** command for which a **vlan untagged ports** command exists.

Recommended Action:
Remove the **vlan untagged ports** command.

Chapter 80

IP Redundancy (VRRP) Error Messages

This chapter describes the error messages for the IP Redundancy (VRRP) facility.

Informational Messages

%IPRED-I-ADJUST_WARMUP reset warm-up period for virtual router *<id_number>* on interface *<interface_name>* (*<warmup_period>* secs remaining)

> **Explanation:**
> This message appears when the warm-up period for a Virtual Router defined on an interface is changed.
>
> **Recommended Action:**
> Informational message. No action necessary.

%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-START_WARMUP virtual router *<id_number>* on interface *<interface_name>* will start once the warm-up period expires (*<warmup_period>* secs remaining)

Explanation:
This message appears when a Virtual Router defined on an interface comes up. It indicates the warm-up period has started.

Recommended Action:
Informational message. No action necessary.

%IPRED-I-STATE *<event>*, *<old_state>->*<new_state>*, I/F *<Interface name>*, vrid *<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_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.

%IPRED-I-WARMUP warm-up period expired for *<protocol>* virtual router *<id_number>* on interface *<interface_name>*

Explanation:
This message appears when the warm-up period has expired for a Virtual Router defined on an interface.

Recommended Action:
Informational message. No action necessary.

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 necessary.

%IPRED-W-L2_FULL, Creating virtual-router *\<number>* on interface *\<name>* may cause the L2 table on a Q-Trunk to overflow, impacting system performance. Please consider changing the hash mode of any Q-Trunk in address-bridging mode to Mode *\<number>*

Explanation:
This message appears when multiple virtual routers defined on the same port(s) may potentially hash to the same L2 table index.

Recommended action:
Modify the hash mode on all trunk-ports in the interface to the value suggested using the **port set hash-mode** command. If this message appeared previously but suggested a different hash mode, you are STRONGLY advised to move the interface to a different virtual-router, as the current VRRP configuration can significantly degrade system performance.

%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 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 necessary.

%IPRED-W-TMR_MISSING timer expired - info not found (*<name>* - *<ID>*)

Explanation:
This message usually displays when a VRRP state transitions and can be ignored. However, if it displays 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.

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-GET_SEMA4 failed acquiring sema4 (retCode *<number>*)

Explanation:
This message appears when there is an internal error acquiring a semaphore.

Recommended Action:
Contact Enterasys Technical Support.

%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 XP 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-IOCTL ioctl operation failed (*<function>*)

Explanation:
This message appears when an internal I/O control procedure failed in the specified function.

Recommended Action:
Contact Enterasys Technical Support.

%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-MALLOC malloc failed (*<function>*)

Explanation:
Error encountered while allocating memory in the specified function.

Recommended Action:
Contact Enterasys Technical Support.

%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-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-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-NOSOCKET socket operation failed

Explanation:
This message appears when there is an internal error creating a socket.

Recommended Action:
Contact Enterasys Technical Support.

%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 that 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-RECVFROM recvfrom() failed with errno *<number>*

Explanation:
Internal error receiving VRRP packet.

Recommended Action:
Contact Enterasys Technical Support.

%IPRED-E-REL_SEMA4 failed releasing sema4 (retCode *<number>*)

Explanation:
This message appears when there is an internal error releasing a semaphore.

Recommended Action:
Contact Enterasys Technical Support.

%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-SEND_ARP sending ARP packet failed (interface *<interface_name>*; virtual-router *<id_number>*)

Explanation:
This message appears when the virtual-router interface fails to send an ARP to it's associated IP addresses.

Recommended Action:
Contact Enterasys Technical Support.

%IPRED-E-SEND_VRRP detected interface down

Explanation:
This message appears when the XP 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-SETSOCK setsockopt() operation failed (*<operation>*)

Explanation:
An internal error occurred while configuring VRRP interfaces.
This message appears when there is an internal error setting a socket option.

Recommended Action:
Ensure that all interface names in relevant "ip-redundancy" commands are spelled correctly.

%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-TIMER timer creation failed (*<function>* - retCode *<number>*)

Explanation:
This message appears when there is an internal error creating a timer in the specified function.

Recommended Action:
Contact Enterasys Technical Support.

Fatal Messages

%IPRED-F-CREATE_QUE failed creating queue (retCode *<number>*)

Explanation:
This message appears when there is an internal error creating the queue on which to receive messages.

Recommended Action:
Contact Enterasys Technical Support.

%IPRED-F-CREATE_SEMA4 failed creating sema4 (retCode *<number>*)

Explanation:
Internal error creating semaphore to protect internal data structures.

Recommended Action:
Contact Enterasys Technical Support.

Chapter 81

WAN Error Messages

This chapter describes the error messages for the WAN facility.

Error Messages

%WAN-E-MSG, WAN module 4: - SERIAL-CLI_FRCHGACC, cli: Cannot change to non-trunk access type for DLCI 100 in wan port 1, slot 4 as it belongs to more than one VLAN. Remove DLCI from VLAN's first.

Description:
This error occurs when a user attempts to change a frame relay trunk DLCI to an access DLCI, but the DLCI still belongs to multiple VLANs. A DLCI that is an access port may belong to only one VLAN.

Recommended Action:
Remove the DLCI from all but one VLAN.

%WAN-E-MSG, WAN module 4: - SERIAL-CLI_MLPPPCHGACC, cli: Cannot change to non-trunk access type for Multilink PPP bundle mp.1 in slot 4 as it belongs to more than one VLAN. Remove bundle from VLAN's first.

Description:
This error occurs when a user attempts to change a trunk bundle to an access bundle, but the multilink bundle still belongs to multiple VLANs. A multilink bundle that is an access bundle, can only belong to one vlan.

Recommended Action:
Remove the bundle from all but one VLAN.

%WAN-E-MSG, WAN module 4: - SERIAL-CLI_PPPCHGACC, cli: Cannot change to non-trunk access type for wan port 1 in slot 4 as it belongs to more than one VLAN. Remove port from VLAN's first.

Description:
This error occurs when a user attempts to change a PPP port that has been designated a trunk port to an access port, but the port still belongs to multiple VLANs. Access ports can only belong to one vlan.

Recommended Action:
Remove the port from all but one VLAN.

Chapter 82

Web Cache Error Messages

This chapter describes the error messages for the web cache facility.

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 Server group '*<cache-name>*' has been successfully created in web-cache '*<server-list-name>*'

Explanation:
The cache group has been created.

Recommended Action:
Informational message. No action necessary.

%WC-I-DELETED Server group '*<server-list-name>*' has been successfully removed from web-cache '*<cache-name>*'

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-STATUS_CHANGE Server '#.#.#.#' status change—Server Application Up"

Explanation:
The router is receiving a response to TCP requests for this application.

Recommended Action:
Informational message only, no action necessary.

%WC-I-STATUS_CHANGE Server '#.#.#.#' status change—Server Application Down"

Explanation:
The router is not receiving a response to TCP requests for this application.

Recommended Action:
Verify the status of the server's caching software.

%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.

Warning Messages

%WC-W-OPT_IGNORED Application Check *<option>* setting is ignored while application checking is disabled

Explanation:
This warning appears when a user adds either application checking option (i.e., "Interval" or "Attempts") to the active configuration for a server-list that already has the "no-application-check" option set.

Recommended Action:
Informational message only, no action necessary.

%WC-W-OPTS_IGNORED Application Check settings are ignored while application checking is disabled

Explanation:
This warning appears when a user sets the "no-application-check" option and there are existing application check options set in the active configuration file.

Recommended Action:
Informational message only, no action necessary.

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-APPLIEDSL Web-cache '*<cache-name>*' server group '*<server-list-name>*' has other commands attached -- negate these commands first"

Explanation:
This error is similar to %WC-E-APPLIED, with one exception. This error applies to a specific server list in a web cache—not to the entire web cache.

Recommended Action:
To negate the command identified by this error, you must first negate all other commands used to set options for this server list.

%WC-E-ALREADY_SET Web-cache feature *<option>* is already *<off|set>* for server group '*<server-list-name>*'

Explanation:
This error appears when a user adds any of the following web-cache options to the configuration after the option is already present for the server list.

application checking
ping check interval
ping check attempts
application check interval
application check attempts

Recommended Action:
Set each checking option only once per server list.

%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 problem persists, contact Enterasys Technical Support.

%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. No further action necessary.

Appendix A

Undocumented Error Messages

Table 1 contains 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 Enterasys internal use or are artifacts. If you have concerns about any of the undocumented messages, contact Enterasys Technical Support..

Table 1: Undocumented Error Messages

%AARP-E-AARP_18 During the input processing of an ARP packet, the router did not have memory available to make an ARP cache entry for the given protocol.
%AARP-E-AARP_30 No ARP network table exists for this network.
%AARP-I-AARP_50 An ARP packet of the type indicated has just arrived for processing. Operation type %d. Hardware address space %d. Protocol type %d. Network index number %d. Network type %s. Network Port number %d.
%ACL-E-NOCEPINFO Could not get cep info for interface '%s'.
%ARE-E-ADDPORT Unable to add port(s) to interface %s.
%ARE-E-AREERROR Error from ARE module %d -- %s.
%ARE-E-ATTACHVLAN Unable to attach vlan %s to interface %s.
%ARE-E-BADCMD IPC command %x for protocol %x does not exist.
%ARE-E-BADMODULE Invalid module number %d entered.
%ARE-E-BADMSGID Bad incoming IPC message ID. (is %x should be %x).
%ARE-E-BADOUTPUT An packet was illegally sent to interface %s.
%ARE-E-BADPROTO Protocol value %x not found/supported.
%ARE-E-BADREQUEST Received a bad image load request from ARE module %d.
%ARE-E-BADSIZE Bad incoming IPC message size. (is %x should be %x).

Table 1: Undocumented Error Messages (Continued)

%ARE-E-BADSOURCE Incoming IPC message not from an ARE module.
%ARE-E-CMDERR IPC command %x for protocol %x returned a error of %x.
%ARE-E-CONFIGLOCK Unable to lock the configuration database for ARE module %d.
%ARE-E-CONFIGSEM Error creating a configuration semaphore for the ARE module configuration mode.
%ARE-E-CPU_MOD_CACHE_MEM Elite cpu cache memory test failed.
%ARE-E-CPU_MOD_UCACHE_MEM Elite cpu un-cache memory test failed.
%ARE-E-ERRORRSP Error sending an IPC response packet (%x).
%ARE-E-ERRORSND Error sending an IPC message (%x).
%ARE-E-GEN %s
%ARE-E-HASCONFIG Before changing the protocol enabled on module %d, first negate all CLI commands in its database.
%ARE-E-HASPROTO ARE module %d already has a protocol enabled on it.
%ARE-E-HELLOMAX The ARE in slot %d is dead. (did not respond to %d HELLO packets).
%ARE-E-INITMAX The ARE in slot %d is dead.
%ARE-E-L2ADD Error bringing up port %s for interface %s.
%ARE-E-LOSTHB Lost the heartbeat from the ARE in slot %d.
%ARE-E-MEMORY_ALIASING Memory error 0x%08lx ; Possible aliasing with: 0x%08lx
%ARE-E-MEMORY_BYTE_MISMATCH Memory mismatch 0x%08lx; Read 0x%x; Expected 0x%x
%ARE-E-MEMORY_INACCESSIBLE Memory inaccessible beginning @ 0x%08lx -- will generate fatal exception
%ARE-E-MEMORY_MISMATCH Memory mismatch 0x%08lx; Read 0x%08lx; Expected 0x%08lx
%ARE-E-MULTIPROTO The protocol is already enabled on ARE module %d.
%ARE-E-NOIMAGE Error finding an image for the ARE module in slot %d. It will be shut down.
%ARE-E-NONBUF Unable to allocate memory for an HELLO packet.
%ARE-E-NOPROTO Protocol %s has not been enabled on any ARE module.
%ARE-E-NORESPONSE Response time-out. No response back from ARE module.
%ARE-E-NOSERVICE IPC command %x for protocol %x has no service function.
%ARE-E-NOTACTIVE ARE module %d is not active.
%ARE-E-NOTAHB Unknown ARE heartbeat packet.
%ARE-E-NOTVER A HELLO RESPONSE packet of version %d was received (expected version %d).
%ARE-E-SYSNOTVALID An ARE module was detected in an invalid system.
%ARE-F-BADQPTR elite_queue_send() received a bad queue pointer %x
%ARE-F-CAUSEFATAL Main system requested a fatal error. Going down now!
%ARE-I-ARESTARTED Initializing Advanced Routing Engine module %d. Please wait.....

Table 1: Undocumented Error Messages (Continued)

%ARE-I-BOARDALIVE ARE module %d is ready for operation.
%ARE-I-CONFIGEMPTY The configuration for ARE module %d is empty.
%ARE-I-MEM_INFO %s : %s
%ARE-W-ALREADYUP A unexpected HELL0/RESPONSE packet was received from a live board.
%ARE-W-L2REMOVE Unable to remove the L2 entry on port %s.
%ARE-W-NOTCHANGED No changes were made to the configuration for ARE module %d.
%ARE-W-PROMDONE A message from the ARE module %d bootprom programmer: %s.
%ARE-W-STARTHS Hotswap for ARE module %d. Shutting down the module...
%ARE-W-UNEXPECTPKT A unexpected HELLO/RESPONSE packet was received.
%ARP-E-CLRTEGFAIL NUE_Set_TEG_Flag failed (0x%x).
%ARP-E-CNTRLTMRFAIL NU_Control_Timer failed (0x%x).
%ARP-E-RESETTMRFAIL NU_Reset_Timer failed (0x%x).
%ARP-E-SETTEGFAIL NUE_Set_TEG_Flag failed (0x%x).
%ARP-E-WAITTEGFAIL Wait_For_TEG failed (0x%x).
%ARP-W-HOSTUNREACH %s: no route to host. ARP entry will be added when the route becomes available.
%ATALK-E-BADADDR Bad Appletalk address %s.
%ATALK-E-BADADDRNET Network %d is not with the cable range %d-%d.
%ATALK-E-BADNETRANGE AppleTalk cable range %d-%d is invalid.
%ATALK-E-BADNODE AppleTalk node %i is invalid.
%ATALK-E-BADRTMPNET Incoming RTMP packet conflicts with the configured cable range for interface %s.
%ATALK-E-DELZONE Error deleting zone %s from interface %s.
%ATALK-E-NETFILTERED A network filter is conflicting with the preexisting cable range for interface %s.
%ATALK-E-NETOVERLAP Cable range %d-%d overlaps the preexisting range %d-%d.
%ATALK-E-NETRANGECOUNT Only one continuous AppleTalk cable range is allowed. Range %d-%d will be used.
%ATALK-E-NOINTF AppleTalk interface %s does not exist.
%ATALK-E-NOVALIDADDR Unable to find a unique node address on this cable range.
%ATALK-E-RESETTMRFAIL %s: Error resetting timer failed (0x%x).
%ATALK-E-SETCR Error setting cable range %d-%d on interface %s.
%ATALK-E-SETNODE Error setting AppleTalk node %d on interface %s.
%ATALK-E-SETTEGFAIL Error setting task event. Return status(0x%x). Flag ID %d.
%ATALK-E-SETZONE Error setting zone %s on interface %s.
%ATALK-E-ZIPNAMESIZE AppleTalk zone name %s is too large.

Table 1: Undocumented Error Messages (Continued)

%ATALK-E-ZONEEXISTS Zone %s already exists on interface %s.
%ATALK-F-CREATEQ Unable to create a packet queue for task (%s).
%ATALK-F-CREATETASK %s: Could not create task. (0x%x).
%ATALK-F-CREATETMRFAIL %s: NUE_Create_Timer failed (0x%x).
%ATALK-F-DELBADNET Attempted to delete a non-existent net.
%ATALK-F-DELTIMERFAIL %s: Unable to stop a timer (%x).
%ATALK-F-STARTTIMER %s: NUE_Start_Timer failed (0x%x).
%ATALK-F-TASKEND %s: Task ended prematurely.
%ATALK-I-CHANGEADDR Address %u-%u for interface %s was changed to %u-%u.
%ATALK-I-CHANGECABLE Operating cable range %d-%d for interface %s was changed to %u-%u.
%ATALK-I-NEWADDR New address %u-%u was selected for interface %s.
%ATALK-I-NEWZONE The default zone for interface %s was set to %s.
%ATALK-W-CHANGEDEFAULT Zone %s is no longer the default zone for interface %s.
%ATALK-W-NEWDEFAULT Zone %s has been registered as the default zone for interface %s.
%ATM_DIAG-E-ACLATTACHED An ACL is attached to this interface.\n\tPlease detach ACL '%s' from interface '%s' first.
%ATM_DIAG-E-ADDRESS_ERROR Invalid address was entered.
%ATM_DIAG-E-ADDRESS_ERROR Invalid address was entered.
%ATM_DIAG-E-BADMTU The specified MTU - %d - is too large. Please select a smaller value and try again.
%ATM_DIAG-E-BADPORT The specified port - port number %d - is illegal. Please check the port name and try again.
%ATM_DIAG-E-BADVLAN The specified VLAN - %s - does not exist. Please check the name of the VLAN and try again.
%ATM_DIAG-E-BCAST0HOST Invalid IP address, %s, is a broadcast address.
%ATM_DIAG-E-BCAST1HOST Invalid IP address, %s, is a broadcast address.
%ATM_DIAG-E-CANNOTBRINGUP Interface %s has not been configured with any IP or IPX addresses. Please configure it before bringing it up.
%ATM_DIAG-E-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.
%ATM_DIAG-E-CANTCREATEIF Unknown error creating interface %s!
%ATM_DIAG-E-CMD %s expected an argument, didn't get one
%ATM_DIAG-E-DIAG_RCV_PKT_MALLOC_FAILED Malloc reports there is no more available memory.
%ATM_DIAG-E-DIFFSUBNET local address(%s) and peer address(%s) are not on the same subnet.
%ATM_DIAG-E-EXISTS Interface %s has already been created. Please use another name for the interface.
%ATM_DIAG-E-IFNONE No %s interfaces found.
%ATM_DIAG-E-IFNOTIP An IP address cannot be configured on interface %s, because the interface does not support IP.

Table 1: Undocumented Error Messages (Continued)

%ATM_DIAG-E-IFVLANEXISTS There is already an %s interface called %s on VLAN %s. A VLAN can be bound to only one L3 interface for each protocol.
%ATM_DIAG-E-IPADDREXISTS The IP address %s is already configured on interface %s.
%ATM_DIAG-E-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.
%ATM_DIAG-E-MISSINGPORTVLANOPTIONS You must supply either the port or the vlan to be used with this interface.
%ATM_DIAG-E-MOD_PHY_GET_FAILURE Mod-Phy Get failed to return SUNI chip type.
%ATM_DIAG-E-MOD_PHY_GET_FAILURE Mod-Phy Get failed to return SUNI chip type.
%ATM_DIAG-E-MOD_PHY_PATH_FAILURE Slot %d Port %d, Mod-Phy SUNI CSR 0x%08x, Exp 0x%08x, Rcv 0x%08x.
%ATM_DIAG-E-MOD_PHY_PATH_FAILURE Sys Port %d, Mod-Phy SUNI CSR 0x%08x, Exp 0x%08x, Rcv 0x%08x.
%ATM_DIAG-E-N0MAC The MAC address, %s, is being used by the en0 10base-T interface on the CPU module and is reserved. Please use another MAC address.
%ATM_DIAG-E-NAME %s is not a valid host or network address
%ATM_DIAG-E-NAMETOOLONG The interface name %s is too long. The name cannot be longer than %d characters.
%ATM_DIAG-E-NO_PORTLIST_AVAIL No Port was specified by the user.
%ATM_DIAG-E-NO_PORTLIST_AVAIL No Port was specified by the user.
%ATM_DIAG-E-NOEXIST Interface %s does not exist. Please check the name and try again.
%ATM_DIAG-E-NOSUCHIF Interface %s was not found or is not configured with any '%s' addresses.
%ATM_DIAG-E-NOSUCHPORT Port doesn't exist on this system.
%ATM_DIAG-E-NOVCLFOUND VCL at.%d.%d.%d.%d is not created.
%ATM_DIAG-E-PKT_DATA_BUFF_TOO_SMALL Packets must contain at least 32 bytes of data.
%ATM_DIAG-E-PKT_DATA_BUFF_TOO_SMALL Packets must contain at least 32 bytes of data.
%ATM_DIAG-E-PKT_TEST_CHECK_PKT_COUNT Sys Port %d, Sent %d, Received %d.
%ATM_DIAG-E-PKT_TEST_DATA_MISCOMPARE Addr 0x%08x, Exp 0x%08x, Rcv 0x%08x.
%ATM_DIAG-E-PKT_TEST_FAILURE More on this later.
%ATM_DIAG-E-PKT_TEST_INCORRECT_LEN Exp %d, Rcv %d.
%ATM_DIAG-E-PKT_TEST_PKT_DIDNT_ARRIVE Sys Port %d, Packet number %d.
%ATM_DIAG-E-PKT_TEST_PORT_NOT_UP Sys Port %d.
%ATM_DIAG-E-PKT_TEST_RCVD_EXTRA_PKT Sys Port %d.
%ATM_DIAG-E-PKT_TEST_SEND_PKT_FAILED SendPkt status = FAILED. Sys Port %d, PVC %d, %d bytes.
%ATM_DIAG-E-PKT_TEST_SEND_PKT_FAILED SendPkt status = FAILED. Sys Port %d, PVC %d, %d bytes.
%ATM_DIAG-E-PKT_TEST_SET_STATE_FAILED Sys Port %d, User Handle Index %d, 0x%08x.
%ATM_DIAG-E-PKT_TEST_SET_STATE_FAILED Sys Port %d, User Handle Index %d.

Table 1: Undocumented Error Messages (Continued)

%ATM_DIAG-E-PKT_TEST_VC_OPEN_FAILED Sys Port %d.
%ATM_DIAG-E-PKT_TEST_VC_OPEN_FAILED Sys Port %d.
%ATM_DIAG-E-PKT_TEST_WRONG_LENGTH Incorrect length from packet. Sys Port %d, Exp'd %d, Rcv'd %d.
%ATM_DIAG-E-PORTHASVLAN Port %s already belongs to VLAN %s. Please use the -vlan- option of the -interface create- command instead of the -port- option.
%ATM_DIAG-E-PROTNOTSUPP VLAN %s does not support the %s protocol. Please check the VLAN name and try again.
%ATM_DIAG-E-QOSATTACHED A QOS flow definition is attached to interface %s. Please negate the QOS commands applied to this interface.
%ATM_DIAG-E-RANGE_ERROR End address must be greater than Start address.
%ATM_DIAG-E-RANGE_ERROR End address must be greater than Start address.
%ATM_DIAG-E-RESERVEDIF Interface %s is a reserved interface and cannot be created. However, you can add addresses to the interface using the _interface add_ command.
%ATM_DIAG-E-SUBNETEXISTS The address %s belongs to a subnet which is already configured on this system.
%ATM_DIAG-E-TSHOP_CSR_ADDR_FAILURE Slot %d Port %d, CSR 0x%08x, Exp 0x%08x, Rcv 0x%08x.
%ATM_DIAG-E-TSHOP_CSR_ADDR_FAILURE Sys Port %d, CSR 0x%08x, Exp 0x%08x, Rcv 0x%08x.
%ATM_DIAG-E-TSHOP_CSR_DATA_FAILURE Slot %d Port %d, CSR 0x%08x, Exp 0x%08x, Rcv 0x%08x.
%ATM_DIAG-E-TSHOP_CSR_DATA_FAILURE Sys Port %d, CSR 0x%08x, Exp 0x%08x, Rcv 0x%08x.
%ATM_DIAG-E-TSHOP_MEM_ADDR_FAILURE %s Slot %d Port %d, Addr 0x%08x, Exp 0x%08x, Rcv 0x%08x.
%ATM_DIAG-E-TSHOP_MEM_ADDR_FAILURE %s Sys Port %d, Addr 0x%08x, Exp 0x%08x, Rcv 0x%08x.
%ATM_DIAG-E-TSHOP_MEM_FAILURE Slot %d Port %d, Addr 0x%08x, Exp 0x%08x, Rcv 0x%08x.
%ATM_DIAG-E-TSHOP_MEM_FAILURE Sys Port %d, Addr 0x%08x, Exp 0x%08x, Rcv 0x%08x.
%ATM_DIAG-E-TSHOP_RD_RANGE_ERROR Number of ToolShop CSRs to be read is too high.
%ATM_DIAG-E-TSHOP_RD_RANGE_ERROR Number of ToolShop CSRs to be read is too high.
%ATM_DIAG-E-UNKNOWN_SUNI_TYPE Slot %d Port %d, Unrecognized SUNI chip type.
%ATM_DIAG-E-UNKNOWN_SUNI_TYPE Unrecognized SUNI chip type on Local Port %d.
%ATM_DIAG-I-CSR_REQUIRED %s.
%ATM_DIAG-I-INCORRECT_PKT_ID Exp %d, Rcv %d.
%ATM_DIAG-I-MAC_ADDRSS_DUMP Slot %d, Port %d.
%ATM_DIAG-I-MEM_ADDRSS_TEST oc3 ToolShop SDRAM Address test on Slot %d, Port %d, from 0x%08x to 0x%08x, on %s.
%ATM_DIAG-I-MEM_ADDRSS_TEST oc3 ToolShop SDRAM Address test on Slot %d, Port %d,\n from 0x%08x to 0x%08x, on %s.
%ATM_DIAG-I-MEM_MACHO__TEST oc3 ToolShop SDRAM Marching Ones test on Slot %d, Port %d, from 0x%08x to 0x%08x, on %s.
%ATM_DIAG-I-MEM_MACHO__TEST oc3 ToolShop SDRAM Marching Ones test on Slot %d, Port %d,\n from 0x%08x to 0x%08x, on %s.

Table 1: Undocumented Error Messages (Continued)

%ATM_DIAG-I-MEM_STRESS_TEST oc3 ToolShop SDRAM Stress test on Slot %d, Port %d, from 0x%08x to 0x%08x, on %s.
%ATM_DIAG-I-MEM_STRESS_TEST oc3 ToolShop SDRAM Stress test on Slot %d, Port %d,\n from 0x%08x to 0x%08x, on %s.
%ATM_DIAG-I-MEM_ZEROES_TEST
%ATM_DIAG-I-MEM_ZEROES_TEST
%ATM_DIAG-I-MODPHY_SUN_TEST oc3 Mod-Phy SUNI Path test on Slot %d, Port %d.
%ATM_DIAG-I-MODPHY_SUN_TEST oc3 Mod-Phy SUNI Path test on Slot %d, Port %d.
%ATM_DIAG-I-PHY_NOT_PRESENT %s.
%ATM_DIAG-I-PKT_LENGTH_TEST oc3 Various Length Packet test on Slot %d, Port %d.
%ATM_DIAG-I-PKT_QUICK_TEST oc3 VPI VCI Range Packet test on System Port Number %d.
%ATM_DIAG-I-PKT_QUICK_TEST oc3 VPI VCI Range Packet test on System Port Number %d.
%ATM_DIAG-I-PKT_RANGES_TEST oc3 VPI VCI Range Packet test on Slot %d, Port %d.
%ATM_DIAG-I-PKT_RANGES_TEST oc3 VPI VCI Range Packet test on Slot %d, Port %d.
%ATM_DIAG-I-PKT_SIMULT_TEST oc3 Simultaneous Packet and Memory test on Slot %d, Port %d.
%ATM_DIAG-I-PKT_SIMULT_TEST oc3 Simultaneous Packet and Memory test on Slot %d, Port %d.
%ATM_DIAG-I-TEST_LOOP_COUNT %s PASSED, Loop number %d.
%ATM_DIAG-I-TEST_LOOP_COUNT %s, Loop number %d
%ATM_DIAG-I-TLSHOP_CSR_TEST oc3 ToolShop CSRs test on Slot %d, Port %d.
%ATM_DIAG-I-TLSHOP_CSR_TEST oc3 ToolShop CSRs test on Slot %d, Port %d.
%ATM_DIAG-I-TOO_MANY_PAKETS You selected too many VPIs and/or VCIs.
%ATM_DIAG-I-TOO_MANY_PAKETS You selected too many VPIs and/or VCIs.
%ATM_DIAG-I-VALUE_REQUIRED %s.
%ATM_DIAG-W-WAN_CREATE_FAILED interface creation failed on slot %d port %d
%ATM_DIAG-W-WAN_NEGATE_FAILED interface negation failed on slot %d port %d
%ATM_PVC-E-INVALID_DEFINE_OBJECT Unexpected atm define object: %s
%ATM_PVC-E-INVALID_QOS_OPTION Unsupported QoS option.
%ATM_PVC-E-INVALID_SRV_CAT_OPTION The Service Category %s is not supported
%ATM_PVC-E-MODIFY_FAILED PVC modify failed with status %d
%ATM_PVC-E-NO_AVAIL_BW Bandwidth not available on link, free: %d
%ATM_PVC-E-NO_AVAIL_QOS_DEFINE Maximum QoS Definitions exceeded
%ATM_PVC-E-NO_CHANGE_ENCAP Cannot change the PVC encapsulation
%ATM_PVC-E-NO_CHANGE_SRV_CLS Cannot change the Service Class
%ATM_PVC-E-NO_PORTLIST_AVAIL A portlist was not found in the command options

Table 1: Undocumented Error Messages (Continued)

%ATM_PVC-E-NO_PVC_FOUND Cannot modify PVC on slot %d vpi %d vci %d
%ATM_PVC-E-NO_RESOURCES_AVAIL XP reporting no memory resources
%ATM_PVC-E-PVC_MAX_EXCEEDED Port has maximum PVCs defined. Max = %d
%ATM_PVC-E-QOS_NAME_NOT_FOUND The QoS Definition name %s was not found
%ATM_PVC-E-UNKNOWN_DEFINE_CMD ATM define command not recognized
%ATM_PVC-E-VCI_OUT_OF_RANGE VCI %d is beyond supported VCI max %d
%ATM_PVC-E-VPI_OUT_OF_RANGE VPI %d is beyond supported VPI max %d
%ATM_PVC-W-FIXING_MBS_OPTION MBS set, QoS not VBR. Clearing MBS value.
%ATM_PVC-W-FIXING_SCR_OPTION SCR set, QoS not VBR. Clearing SCR value.
%ATM-E-ATMFRAMINGNOTSUPPORTED <0> <2> Port set failed on port at.%d.%d, framing value not valid for this PHY type.
%ATM-E-ATMMEDIANOTSUPPORTED <0> <2> Port set failed on port at.%d.%d, media type can only be set on MMF, SMF, UTP PHYs.
%ATM-E-ATMPORTINFAILURE <0> <2> Port at.%d.%d experienced previous failure. Please repair.
%ATM-E-ATMSCRAMBLENOTSUPPORTED <0> <2> Port set failed on port at.%d.%d, scramble value not valid for this PHY type.
%ATM-E-BIGDTIMEOUTINIT Channel %d, time-out while waiting for Bit 0 in BigD Xlnx Init register to be 1.
%ATM-E-REG_MULTI_ADDR Could not register the ATM Multicast Address.
%ATM-E-RSVDSRVNAME Service name is reserved, please choose another name. // ATM PVC message area.
%ATM-E-SRVDEFINUSE <0> <3> Service definition on at.%d.%d still in use by %d VPL(s) or VCL(s).
%ATM-E-SRVDEFPORTREMOVE <0> <3> Service %s not found on at.%d.%d. Negate failure.
%ATM-E-VPLSRVDEFMODIFY <0> <5> Replaced SrvDef %s on at.%d.%d.%d with SrvDef %s.
%ATM-I-VCLSRVDEFMODIFY <0> <6> Replaced SrvDef %s on at.%d.%d.%d.%d with SrvDef %s.
%ATM-I-VPLALREADYOPEN <0> <2> VPI %d on local ATM port %d already open.
%BGP-E-BADEXTLCPRFGR Localpref can only be used with Internal, IGP or Routing groups not with external group %s.
%BGP-E-BADHSTLOCALPREF LocalPref option for internal peer host %s should be the same as used in the group %s.
%BGP-E-BADINTVAL Interfaces may only be specified for (internal) routing groups. %s is not of group type routing
%BGP-E-BADLOCALPREF if localpref is set on one internal peer group, it must be set on all internal peer groups. LocalPref is not configured for %s group.
%BGP-E-GENWRKINPROGR Sorry; Work in progress and not completed; // // Errors related to Peer Groups //
%BGP-E-GROUPEXISTS Group with Id %s also has type %s and as %d.
%BGP-E-HOSTNOTFOUND Peer host %s not found in peer group %s.
%BGP-E-HSTNOTESTABLISH Peer host %s connection is not established yet. // // Errors related to Peer-Group Allowed Networks. //
%BGP-E-PARSEERROR %s
%BGP-E-TMPFILEFAIL Failed to create temp. parse file

Table 1: Undocumented Error Messages (Continued)

%CDP-E-AUTH_ERROR Received CDP packet has invalid authentication code
%CDP-E-CREATEQ error creating '%s' queue - error=%d
%CDP-E-EVENTWAIT error in wait for events
%CDP-E-INVALID_VERSION CDP packet received with unsupported version
%CDP-E-MCASTREG error registering multicast address - port=%d
%CDP-E-NOMEM processing error - insufficient memory
%CDP-E-NONETBUFS unable to send frame no net buffer port %d
%CDP-E-NOWAN CDP is not supported on WAN modules.
%CDP-E-PARSE_ERROR Received CDP packet could not be parsed
%CDP-E-STPTIMER error stopping '%s' timer - error=%d
%CDP-E-STRTTIMER error starting '%s' timer - error=%d
%CDP-E-TIMER error creating '%s' timer - error=%d
%CDP-E-XMTQFULL unable to send frame xmit queue full port %d
%CDP-I-CDP_RECEIVE Received CDP packet on port %s with eth type %d
%CDP-I-CDP_RECEIVE1 Received CDP packet on port %d with eth type %d
%CDP-I-CDP_SEND Sent CDP packet on port '%s'
%CDP-I-NEIGHBOR_ADD Added new %s neighbor with neighbor port '%s'
%CDP-I-NEIGHBOR_ADD1 Added new %s neighbor with neighbor port '%d'
%CDP-I-NEIGHBOR_AGE Neighbor with neighbor port '%s' aged out
%CDP-I-NEIGHBOR_AGE1 Neighbor with neighbor port '%d' aged out
%CDP-I-NEIGHBOR_DEL Neighbor with neighbor port '%s' deleted
%CDP-I-NEIGHBOR_DEL1 Neighbor with neighbor port '%d' deleted
%CDP-I-NEIGHBOR_UPDATE Neighbor entry with neighbor port: '%s' updated
%CDP-I-NEIGHBOR_UPDATE1 Neighbor entry with neighbor port: '%d' updated
%CDP-W-NOWAN CDP is not supported on WAN modules.
%CLI-E-FDDI_ONLY This command requires a FDDI port
%CLI-E-IVMODULE invalid or unoccupied module number specified: '%s'
%CLI-E-IVNUMTOOHI '%s' is higher than the acceptable range (%d-%d)
%CLI-E-IVNUMTOOLOW '%s' is lower than the acceptable range (%d-%d)
%CLI-E-IVVPIRANGE VPI range '%s' is illegal
%CLI-E-NO_VCI VCI specification is not allowed
%CLI-E-NO_VPI VPI specification is not allowed

Table 1: Undocumented Error Messages (Continued)

%CLI-E-NOPOS POS port not allowed for this command
%CLI-E-POS_ONLY This command requires a POS port
%CLI-E-SONET_ONLY This command requires a SONET port
%CLI-E-VPIRANGEBAD VPI range '%s', syntax error
%CLI-F-NOKWYDS internal error - no keywords available
%CLI-I-MONITOR_OFF Terminal monitor disabled
%CLI-I-MONITOR_ON Terminal monitor enabled
%COMMON-E-BADMOVE Source and Destination are the same
%COMMON-E-INMLP Port '%s' is part of MLP bundle multilink%d
%COMMON-E-INTERNAL Internal error
%COMMON-E-INTRUNK Port '%s' is part of %s %s%d
%COMMON-E-INVALIDENCRYPT Invalid password encryption '%s'
%COMMON-E-NOTFOUND Command number '%d' not found
%COMMON-E-USERMODE Failed to enter '%s' mode
%COMMON-E-WRONGAL You can only add entries to access list '%d' in this editing session
%COMMON-I-ALNOCHANGE No change was made to access list, exiting...
%CONS-E-INPUT2LONG input is longer than %d characters
%CONS-I-DISABLE All ports have been disabled
%CONS-I-NOJOY Unable to load %s
%CONS-I-PORT_INVALID cfgport %s not valid
%CONS-I-PORT_MISSING cfgport not set
%CONS-I-PORT_NOLINK %s No link
%CONS-I-SMARTBOOT No configuration found, Attempting tftp
%CONS-I-TFTP_DONE tftp of %s complete
%CONS-W-BOOTADDR bootaddr not set
%CONS-W-CFGSOURCE cfgsource not set
%CONS-W-GATEWAY gateway not set
%CONS-W-IDLE_TIMEOUT Serial console idle time-out
%CONS-W-NETADDR netaddr not set
%CONS-W-NETMASK netmask not set
%DDT-E-AT_MODULE AT Module (Slot %i) : FAILED
%DDT-E-BOARD_DETECT Bad Board Detect (Slot %i)

Table 1: Undocumented Error Messages (Continued)

%DDT-E-BP_GE_MODULE Backplane GE Module (Slot %i) : FAILED
%DDT-E-BP_GMAC_6KBP_LOOPBACK (Slot %i, Port %i) : Backplane GMAC 6000BP Loopback : FAILED
%DDT-E-CMTS_BCM3033_REG (Slot %i): BCM-3033 Register Test: FAILED
%DDT-E-CMTS_BCM3137_REG (Slot %i): BCM-3137 Register Test: FAILED
%DDT-E-CMTS_BCM3210_INT_LB (Slot %i): BCM-3210 Internal Loopback Test: FAILED #endif /* CMTS_SUPPORT */
%DDT-E-CMTS_BCM3210_LED (Slot %i): BCM-3210 LED Test: FAILED
%DDT-E-CMTS_BCM3210_REG (Slot %i): BCM-3210 Register Test: FAILED
%DDT-E-CMTS_BCM3210_TS_CNTR (Slot %i): BCM-3210 Time Stamp Counter Test: FAILED
%DDT-E-CMTS_CPU_TESTS CMTS PROM-Based Tests (Slot %i) : FAILED
%DDT-E-CMTS_ETHER_REG (Slot %i) : CMTS Ethernet Controller Registers Test : FAILED
%DDT-E-CMTS_EXT_LB (Slot %i) : CMTS Ethernet XBAR Loopback : FAILED
%DDT-E-CMTS_EXTN_BUFFER_RAM (Slot %i): External Buffer RAM Test: FAILED
%DDT-E-CMTS_EXTN_KEY_RAM (Slot %i): External Key RAM Test: FAILED
%DDT-E-CMTS_EXTN_MAP_RAM (Slot %i): External Map RAM Test: FAILED
%DDT-E-CMTS_GALILEO_REG_TEST (Slot %i) : CMTS Galileo Registers Test : FAILED
%DDT-E-CMTS_GALILEO_TIMER_TEST (Slot %i) : CMTS Galileo Timer Interrupt Test : FAILED
%DDT-E-CMTS_L2_CACHE (Slot %i) : CMTS L2 Cache Test : FAILED
%DDT-E-CMTS_MAC_LB (Slot %i) : CMTS Ethernet MAC Loopback : FAILED
%DDT-E-CMTS_MOD_PROM_TESTS %s #endif /* CMTS_SUPPORT */
%DDT-E-CMTS_MODULE CMTS Module (Slot %i) : FAILED
%DDT-E-CMTS_PCI9080_REG (Slot %i): PCI-9080 Register Test: FAILED
%DDT-E-CMTS_PORT_STATUS (Slot %i, HDLC Port %i) : FAILED #endif /* CMTS_SUPPORT */
%DDT-E-CMTS_SDRAM_A_D_BUS (Slot %i) : CMTS SDRAM Address and Data Buses Test : FAILED
%DDT-E-CMTS_SDRAM_MARCH_C (Slot %i) : CMTS SDRAM MarchC Memory Test : FAILED
%DDT-E-CMTS_SEMAPHORE (Slot %i) : CMTS Semaphore Test : FAILED
%DDT-E-CMTS_SHMEM (Slot %i) : Shared Memory Test: FAILED
%DDT-E-CPU_MOD_CACHE_MEM CPU Module Cached Memory : FAILED
%DDT-E-CPU_MOD_EN0_LOOPBACK EN0 Packet Loopback : FAILED : Size = %d; Seq = %s
%DDT-E-CPU_MOD_EN0_PAYLOAD_DATA EN0 Packet Payload Mismatch : Size = %d; Seq = %s
%DDT-E-CPU_MOD_EN0_PAYLOAD_LEN EN0 Packet Length Mismatch : Expected %d; Got %d
%DDT-E-CPU_MOD_EN0_Q EN0 Diag Queue not initialized
%DDT-E-CPU_MOD_ETH CPU Module Ethernet : FAILED

Table 1: Undocumented Error Messages (Continued)

%DDT-E-CPU_MOD_EXTFLASH CPU Module External Flash : FAILED
%DDT-E-CPU_MOD_FLASH CPU Module Flash : FAILED
%DDT-E-CPU_MOD_INTFLASH CPU Module Internal Flash : FAILED
%DDT-E-CPU_MOD_MEM CPU Module Memory : FAILED
%DDT-E-CPU_MOD_RTC CPU Module : Real Time Clock did not advance
%DDT-E-CPU_MOD_SYSREG CPU Module FPGA Test: FAILED
%DDT-E-CPU_MOD_SYSREG_GEN CPU Module FPGA : %s
%DDT-E-CPU_MOD_SYSREG_HOTSWAP_FAIL CPU Module Sysreg Hotswap ; Module %i : FAILED
%DDT-E-CPU_MOD_SYSREG_HOTSWAP_MISMATCH CPU Module Sysreg Hotswap ; Hotswap detect mismatch 0x%08lx
%DDT-E-CPU_MOD_SYSREG_INT_MISMATCH CPU Module Sysreg Interrupt ; Unexpected interrupt was encountered
%DDT-E-CPU_MOD_SYSREG_INT_NOMATCH CPU Module Sysreg Interrupt ; Expected interrupt did not occur
%DDT-E-CPU_MOD_SYSREG_INT_Q CPU Module Sysreg Interrupt Queue Initialized; Check runscope option
%DDT-E-CPU_MOD_SYSREG_INT_TIMEOUT CPU Module Sysreg Interrupt Time-out
%DDT-E-CPU_MOD_TIMER_INT CPU Module : Timer interrupt not detected
%DDT-E-CPU_MOD_TIMERS CPU Module Timers : FAILED
%DDT-E-CPU_MOD_TIMERS_MISMATCH CPU Module : Timers out of sync
%DDT-E-CPU_MOD_UCACHE_MEM CPU Module Uncached Memory : FAILED
%DDT-E-CPU_MOD_Z8536 CPU Module : z8536 timer did not advance
%DDT-E-CPU_MODULE CPU Module : FAILED
%DDT-E-DEBUG_TEST Debug Test: FAILED
%DDT-E-DIAG_LOOP Failure detected at iteration %i : %s
%DDT-E-DMAC_EXT_LOOPBACK (Slot %i, Port %i) : DMAC EXT Loopback : FAILED
%DDT-E-DMAC_EXT_LOOPBACK (Slot %i, Port %i) : DMAC External Loopback : FAILED
%DDT-E-DMAC_MAC_LOOPBACK (Slot %i, Port %i) : DMAC MAC Loopback : FAILED
%DDT-E-DMAC_MAC_LOOPBACK (Slot %i, Port %i) : DMAC MAC Loopback : FAILED
%DDT-E-DMAC_MEM_TEST (Slot %i, Port %i) : DMAC Memory Test : FAILED
%DDT-E-DMAC_MEM_TEST (Slot %i, Port %i) : DMAC Memory Test : FAILED
%DDT-E-DMAC_PHY_LOOPBACK (Slot %i, Port %i) : DMAC PHY Loopback : FAILED
%DDT-E-DMAC_PHY_LOOPBACK (Slot %i, Port %i) : DMAC PHY Loopback : FAILED
%DDT-E-DMAC_STRIP_LOOPBACK (Slot %i, Port %i) : DMAC Stripping Loopback : FAILED
%DDT-E-DMAC_STRIP_LUBACK (Slot %i, Port %i) : DMAC STRIP Luback : FAILED
%DDT-E-DMAC_TEST (Slot %i, Port %i) : DMAC Test : FAILED

Table 1: Undocumented Error Messages (Continued)

%DDT-E-DMAC_TEST (Slot %i, Port %i) : DMAC Test : FAILED
%DDT-E-ELITE_IPC (Index %i) : ELITE IPC : FAILED
%DDT-E-ELITE_MODULE ELITE Module (Slot %i) : FAILED
%DDT-E-FDDI_CAMEL_BIST (Slot %i, Port %i) : FDDI CAMEL BiST : ipc FAILED
%DDT-E-FDDI_CAMEL_CAM (Slot %i, Port %i) : FDDI CAMEL CAM Test : ipc FAILED
%DDT-E-FDDI_CAMEL_CSR (Slot %i, Port %i) : FDDI CAMEL CSR: ipc FAILED
%DDT-E-FDDI_CAMEL_UNIQUE_ADDR (Slot %i, Port %i) : FDDI CAMEL unique Addressability: ipc FAILED
%DDT-E-FDDI_CPU_TESTS FDDI PROM-Based Tests (Slot %i) : FAILED
%DDT-E-FDDI_DAS_A_CDC_LOOPBACK (Slot %i, Port %i) : FDDI ELM A CDC Lpbk : ipc FAILED
%DDT-E-FDDI_DAS_A_EB_LOC_LOOPBACK (Slot %i, Port %i) : FDDI ELM A EBUFF Lpbk: ipc FAILED
%DDT-E-FDDI_DAS_A_EXTERNAL_LOOPBACK (Slot %i, Port %i) : FDDI ELM A Ext Lpbk : ipc FAILED
%DDT-E-FDDI_DAS_A_LOC_LOOPBACK (Slot %i, Port %i) : FDDI ELM A LM Local Lpbk: ipc FAILED
%DDT-E-FDDI_DAS_A_SC_BYPASS_LOOPBACK (Slot %i, Port %i) : FDDI ELM A SC Bypass Lpbk: ipc FAILED
%DDT-E-FDDI_DAS_B_CAM_LOOPBACK (Slot %i, Port %i) : FDDI ELM B CAM Lpbk : ipc FAILED
%DDT-E-FDDI_DAS_B_CDC_LOOPBACK (Slot %i, Port %i) : FDDI ELM B CDC Lpbk : ipc FAILED
%DDT-E-FDDI_DAS_B_EB_LOC_LOOPBACK (Slot %i, Port %i) : FDDI ELM B EBUFF Lpbk : ipc FAILED
%DDT-E-FDDI_DAS_B_EXTERNAL_LOOPBACK (Slot %i, Port %i) : FDDI ELM B Ext Lpbk : ipc FAILED
%DDT-E-FDDI_DAS_B_LOC_LOOPBACK (Slot %i, Port %i) : FDDI ELM B LM Local Lpbk : ipc FAILED
%DDT-E-FDDI_DAS_B_SC_BYPASS_LOOPBACK (Slot %i, Port %i) : FDDI ELM B SC Bypass Lpbk: ipc FAILED
%DDT-E-FDDI_ELM_BIST (Slot %i, Port %i) : FDDI ELM BiST : ipc FAILED
%DDT-E-FDDI_ELM_CSR (Slot %i, Port %i) : FDDI ELM CSR Test : ipc FAILED
%DDT-E-FDDI_ELM_UNIQUE_ADDR (Slot %i, Port %i) : FDDI ELM Unique Addressability: ipc FAILED
%DDT-E-FDDI_MODULE FDDI Module (Slot %i) : FAILED
%DDT-E-FDDI_PHY_ELM_LINE_STATES (Slot %i, Port %i) : FDDI ELM A Line States : ipc FAILED
%DDT-E-FDDI_PORT_STATUS (Slot %i, HDLC Port %i) : FAILED
%DDT-E-FDDI_SHARED_BUS (Slot %i): Expected greater than 5000; Got %i: FAILED
%DDT-E-FDDI_SHARED_BUS_IPC (Slot %i) : Arbitrary Bus Test : ipc FAILE
%DDT-E-FE_MODULE FE Module (Slot %i) : FAILED
%DDT-E-GE_MODULE GE Module (Slot %i) : FAILED
%DDT-E-GEN %s
%DDT-E-GMAC_CASCADE_LOOPBACK (Slot %i, Port %i) : GMAC Cascade Loopback : FAILED
%DDT-E-GMAC_EXT_LOOPBACK (Slot %i, Port %i) : GMAC EXT Loopback : FAILED

Table 1: Undocumented Error Messages (Continued)

%DDT-E-GMAC_INT_LOOPBACK (Slot %i, Port %i) : GMAC Internal Loopback : FAILED
%DDT-E-GMAC_MAC_LOOPBACK (Slot %i, Port %i) : GMAC MAC Loopback : FAILED
%DDT-E-GMAC_MEM_TEST (Slot %i, Port %i) : GMAC Memory Test : FAILED
%DDT-E-GMAC_PHY_LOOPBACK (Slot %i, Port %i) : GMAC PHY Loopback : FAILED
%DDT-E-GMAC_TEST (Slot %i, Port %i) : GMAC Test : FAILED
%DDT-E-IPP_MEM_TEST (Slot %i) : IPP Memory Test : FAILED
%DDT-E-IPP_TEST (Slot %i) : IPP Test : FAILED
%DDT-E-MEMORY_ALIASING Memory error @ 0x%08lx ; Possible aliasing with: 0x%08lx
%DDT-E-MEMORY_BYTE_MISMATCH Memory mismatch @ 0x%08lx; Read 0x%x; Expected 0x%x
%DDT-E-MEMORY_INACCESSIBLE Memory inaccessible beginning @ 0x%08lx -- will generate fatal exception
%DDT-E-MEMORY_MISMATCH Memory mismatch @ 0x%08lx; Read 0x%08lx; Expected 0x%08lx
%DDT-E-NIA_LOOPBACK NIA Loopback Test: FAILED
%DDT-E-NIA_MEM_BUFFER NIA Buffer Memory Test: FAILED
%DDT-E-NIA_MEM_CTL_PRI_QUEUE_TEST NIA Control Priority Queue Test: FAILED
%DDT-E-NIA_MEM_FREE_PRI_QUEUE_TEST NIA Free Priority Queue Test: FAILED
%DDT-E-NIA_MEM_HI_PRI_QUEUE_TEST NIA High Priority Queue Test: FAILED
%DDT-E-NIA_MEM_LOW_PRI_QUEUE_TEST NIA Low Priority Queue Test: FAILED
%DDT-E-NIA_MEM_MED_PRI_QUEUE_TEST NIA Medium Priority Queue Test: FAILED
%DDT-E-NIA_MEM_TEST NIA Memory Test: FAILED
%DDT-E-NIA_TEST NIA Test: FAILED
%DDT-E-NIA_XBAR_LOOPBACK NIA-XBAR Loopback Test: FAILED
%DDT-E-OCMAC_EXT_LOOPBACK (Slot %i, Port %s) : OCMAC EXT Loopback : SKIPPED
%DDT-E-OCMAC_INT_LOOPBACK (Slot %i, Port %s) : OCMAC Internal Loopback : FAILED
%DDT-E-OCMAC_MAC_LOOPBACK (Slot %i, Port %s) : OCMAC MAC Loopback : FAILED
%DDT-E-OCMAC_MEM_TEST (Slot %i, Port %i) : OCMAC Memory Test : FAILED
%DDT-E-OCMAC_PHY_LOOPBACK (Slot %i, Port %s) : OCMAC PHY Loopback : FAILED
%DDT-E-OCMAC_STRIP_LOOPBACK (Slot %i, Port %i) : OCMAC Stripping Loopback : FAILED
%DDT-E-OCMAC_TEST (Slot %i, Port %i) : OCMAC Test : FAILED
%DDT-E-OPP_MEM_TEST (Slot %i) : OPP Memory Test : FAILED
%DDT-E-OPP_TEST (Slot %i) : OPP Test : FAILED
%DDT-E-PKT_FLUSH NIA %s queue flush incomplete: %i bufs remain
%DDT-E-PORT_FAIL_COUNT (Slot %i, Port %i) failed %i times during test

Table 1: Undocumented Error Messages (Continued)

%DDT-E-PORT_LINK_DOWN Test Failed: (Slot %d, Port %d) Link State DOWN
%DDT-E-PORT_STATUS (Slot %i, Port %i) : FAILED
%DDT-E-POS_MICRO_TEST (Slot %i) : POS Microcontroller Test : FAILED
%DDT-E-QMAC_EXT_LOOPBACK (Slot %i, Port %2i) : QMAC EXT Loopback : FAILED
%DDT-E-QMAC_MAC_LOOPBACK (Slot %i, Port %2i) : QMAC MAC Loopback : FAILED
%DDT-E-QMAC_MEM_TEST (Slot %i, Port %2i) : QMAC Memory Test : FAILED
%DDT-E-QMAC_PHY_LOOPBACK (Slot %i, Port %2i) : QMAC PHY Loopback : FAILED
%DDT-E-QMAC_STRIP_LOOPBACK (Slot %i, Port %2i) : QMAC Stripping Loopback : FAILED
%DDT-E-QMAC_STRIP_LUBACK (Slot %i, Port %2i) : QMAC STRIP Luback : FAILED
%DDT-E-QMAC_TEST (Slot %i, Port %2i) : QMAC Test : FAILED
%DDT-E-SGE_MODULE S-GE Module (Slot %i) : FAILED
%DDT-E-SIPP_MEM_TEST (Slot %i) : SIPP Memory Test : FAILED
%DDT-E-SIPP_TEST (Slot %i) : SIPP Test : FAILED
%DDT-E-SNAKE_MODULE Cascade Loopback : FAILED
%DDT-E-SO_MODULE SO Module (Slot %i) : FAILED
%DDT-E-SOPP_MEM_TEST (Slot %i) : SOPP Memory Test : FAILED
%DDT-E-SOPP_TEST (Slot %i) : SOPP Test : FAILED
%DDT-E-SXOB_CNTR_TEST (Slot %i) : SXOB Counters Test : FAILED
%DDT-E-SXOB_MEM_TEST (Slot %i) : SXOB Memory Test : FAILED
%DDT-E-SXOB_PKTMEM_TEST (Slot %i) : SXOB Packet Memory Test : FAILED
%DDT-E-SXOB_TBLMEM_TEST (Slot %i) : SXOB Table Memory Test : FAILED
%DDT-E-SXOB_TEST (Slot %i) : SXOB Test : FAILED
%DDT-E-UNKNOWN_MODULE_TYPE Unknown Module Type: %i
%DDT-E-UNKNOWN_PORT_TYPE Unknown Port Type
%DDT-E-WAN_CPU_TESTS WAN PROM-Based Tests (Slot %i) : FAILED
%DDT-E-WAN_DSU_LB (Slot %i) : DSU Loopback Test: FAILED #ifdef CMTS_SUPPORT
%DDT-E-WAN_ETHER_REG (Slot %i) : WAN Ethernet Controller Registers Test : FAILED
%DDT-E-WAN_EXT_LB (Slot %i) : WAN Ethernet XBAR Loopback : FAILED
%DDT-E-WAN_GALILEO_REG_TEST (Slot %i) : WAN Galileo Registers Test : FAILED
%DDT-E-WAN_GALILEO_TIMER_TEST (Slot %i) : WAN Galileo Timer Interrupt Test : FAILED
%DDT-E-WAN_HDLC_EXT_LB (Slot %i) : HDLC External Loopback : FAILED
%DDT-E-WAN_HDLC_INT_LB (Slot %i) : HDLC Internal Loopback : FAILED

Table 1: Undocumented Error Messages (Continued)

%DDT-E-WAN_HDLC_LINK_LED (Slot %i) : HDLC Link LEDs Test : FAILED
%DDT-E-WAN_HDLC_REG (Slot %i) : WAN HDLC Registers Test : FAILED
%DDT-E-WAN_HIFN_7711 (Slot %i) : HIFN 7711 Test: FAILED
%DDT-E-WAN_HIFN_9711 (Slot %i) : HIFN 9711 Test: FAILED
%DDT-E-WAN_HIFN_MEM (Slot %i) : HIFN Context Memory Test: FAILED
%DDT-E-WAN_L2_CACHE (Slot %i) : WAN L2 Cache Test : FAILED
%DDT-E-WAN_MAC_LB (Slot %i) : WAN Ethernet MAC Loopback : FAILED
%DDT-E-WAN_MODULE WAN Module (Slot %i) : FAILED
%DDT-E-WAN_PORT_STATUS (Slot %i, HDLC Port %i) : FAILED #ifdef CMTS_SUPPORT
%DDT-E-WAN_SDRAM_A_D_BUS (Slot %i) : WAN SDRAM Address and Data Buses Test : FAILED
%DDT-E-WAN_SDRAM_MARCH_C (Slot %i) : WAN SDRAM MarchC Memory Test : FAILED
%DDT-E-WAN_SEMAPHORE (Slot %i) : WAN Semaphore Test : FAILED
%DDT-E-WAN_SHMEM (Slot %i) : Shared Memory Test: FAILED
%DDT-E-XBAR_CHAN Cross-Bar: Channel-to-Channel Test : FAILED
%DDT-E-XBAR_FABRIC Cross-Bar Fabric %i : FAILED
%DDT-E-XBAR_GEN %s
%DDT-E-XBAR_LINK Cross-Bar: (Slot %i, Port %i) -> (Slot %i, Port %i) : FAILED
%DDT-E-XBAR_MODULE Cross-Bar on Back-Plane : FAILED
%DDT-I-AT_MODULE AT Module (Slot %i) : PASSED
%DDT-I-BP_GE_MODULE Backplane GE Module (Slot %i) : PASSED
%DDT-I-BP_GMAC_6KBP_LOOPBACK (Slot %i, Port %i) : Backplane GMAC 6000BP Loopback : PASSED
%DDT-I-CMTS_BCM3033_REG (Slot %i): BCM-3033 Register Test: PASSED
%DDT-I-CMTS_BCM3137_REG (Slot %i): BCM-3137 Register Test: PASSED
%DDT-I-CMTS_BCM3210_INT_LB (Slot %i): BCM-3210 Internal Loopback Test: PASSED
%DDT-I-CMTS_BCM3210_LED (Slot %i): BCM-3210 LED Test: PASSED
%DDT-I-CMTS_BCM3210_REG (Slot %i): BCM-3210 Register Test: PASSED
%DDT-I-CMTS_BCM3210_TS_CNTR (Slot %i): BCM-3210 Time Stamp Counter Test: PASSED
%DDT-I-CMTS_CPU_TESTS CMTS PROM-Based Tests (Slot %i) : PASSED #endif /* CMTS_SUPPORT */
%DDT-I-CMTS_ETHER_REG (Slot %i) : CMTS Ethernet Controller Registers Test : PASSED
%DDT-I-CMTS_EXT_LB (Slot %i) : CMTS Ethernet XBAR Loopback : PASSED
%DDT-I-CMTS_EXTN_BUFFER_RAM (Slot %i): External Buffer RAM Test: PASSED
%DDT-I-CMTS_EXTN_KEY_RAM (Slot %i): External Key RAM Test: PASSED

Table 1: Undocumented Error Messages (Continued)

%DDT-I-CMTS_EXTN_MAP_RAM (Slot %i): External Map RAM Test: PASSED
%DDT-I-CMTS_GALILEO_REG_TEST (Slot %i) : CMTS Galileo Registers Test : PASSED
%DDT-I-CMTS_GALILEO_TIMER_TEST (Slot %i) : CMTS Galileo Timer Interrupt Test : PASSED
%DDT-I-CMTS_L2_CACHE (Slot %i) : CMTS L2 Cache Test : PASSED
%DDT-I-CMTS_MAC_LB (Slot %i) : CMTS Ethernet MAC Loopback : PASSED
%DDT-I-CMTS_MODULE CMTS Module (Slot %i) : PASSED #endif /* CMTS_SUPPORT */
%DDT-I-CMTS_PCI9080_REG (Slot %i): PCI-9080 Register Test: PASSED
%DDT-I-CMTS_PORT_STATUS (Slot %i, HDLC Port %i) : PASSED #endif /* CMTS_SUPPORT */
%DDT-I-CMTS_SDRAM_A_D_BUS (Slot %i) : CMTS SDRAM Address and Data Buses Test : PASSED
%DDT-I-CMTS_SDRAM_MARCH_C (Slot %i) : CMTS SDRAM MarchC Memory Test : PASSED
%DDT-I-CMTS_SEMAPHORE (Slot %i) : CMTS Semaphore Test : PASSED
%DDT-I-CMTS_SHMEM (Slot %i) : Shared Memory Test: PASSED
%DDT-I-CPU_MOD_NOEXTFLASH CPU Module : No External Flash to test
%DDT-I-CPU_MOD_NOEXTFLASH CPU Module: No External Flash to test
%DDT-I-CPU_MOD_SYSREG CPU Module FPGA Test: PASSED
%DDT-I-CPU_MOD_SYSREG_INT_TIMEOUT CPU Module Sysreg Interrupt Time-out
%DDT-I-CPU_MODULE CPU Module : PASSED
%DDT-I-DEAD_PORT Dead Port: (Slot %i, Port %i) (No Further Testing of this port)
%DDT-I-DEBUG_TEST Debug Test: PASSED
%DDT-I-DIAG_BEGIN Running system diagnostics...this may take a few moments
%DDT-I-DIAG_BEGIN_TIME Begin Time : %s
%DDT-I-DIAG_END Done with system diagnostics
%DDT-I-DIAG_END_TIME End Time : %s
%DDT-I-DIAG_ID My boot prom MAC address (etheraddr) : %s {CPU in Slot %i}
%DDT-I-DIAG_ID2 CPU Module Type : %s (Rev %s) ; CPU freq = %s; CPU Board freq = %s
%DDT-I-DIAG_ID3 System Type : %s (Rev %s)
%DDT-I-DIAG_LOOP_INFO %s : %i
%DDT-I-DMAC_EXT_LOOPBACK (Slot %i, Port %i) : DMAC EXT Loopback : PASSED
%DDT-I-DMAC_MAC_LOOPBACK (Slot %i, Port %i) : DMAC MAC Loopback : PASSED
%DDT-I-DMAC_MEM_TEST (Slot %i, Port %i) : DMAC Memory Test : PASSED
%DDT-I-DMAC_PHY_LOOPBACK (Slot %i, Port %i) : DMAC PHY Loopback : PASSED
%DDT-I-DMAC_STRIP_LOOPBACK (Slot %i, Port %i) : DMAC Stripping Loopback : PASSED

Table 1: Undocumented Error Messages (Continued)

%DDT-I-DMAC_STRIP_LUBACK (Slot %i, Port %i) : DMAC STRIP Luback : PASSED
%DDT-I-DMAC_TEST (Slot %i, Port %i) : DMAC Test : PASSED
%DDT-I-ELITE_MODULE ELITE Module (Slot %i) : PASSED
%DDT-I-FDDI_CAMEL_BIST (Slot %i, Port %i) : FDDI CAMEL BiST: DONE
%DDT-I-FDDI_CAMEL_CAM (Slot %i, Port %i) : FDDI CAMEL CAM Test: DONE
%DDT-I-FDDI_CAMEL_CSR (Slot %i, Port %i) : FDDI CAMEL CSR Test : DONE
%DDT-I-FDDI_CAMEL_UNIQUE_ADDR (Slot %i, Port %i) : FDDI CAMEL unique Addressability Test : DONE
%DDT-I-FDDI_CPU_TESTS FDDI PROM-Based Tests (Slot %i) : PASSED
%DDT-I-FDDI_DAS_A_CDC_LOOPBACK (Slot %i, Port %i) : FDDI ELM A CDC Lpbk : DONE
%DDT-I-FDDI_DAS_A_EB_LOC_LOOPBACK (Slot %i, Port %i) : FDDI ELM A EBUFF Lpbk: DONE
%DDT-I-FDDI_DAS_A_EXTERNAL_LOOPBACK (Slot %i, Port %i) : FDDI ELM A Ext Lpbk: DONE
%DDT-I-FDDI_DAS_A_LOC_LOOPBACK (Slot %i, Port %i) : FDDI ELM A LM Local Lpbk: DONE
%DDT-I-FDDI_DAS_A_SC_BYPASS_LOOPBACK (Slot %i, Port %i) : FDDI ELM A SC Bypass Lpbk: DONE
%DDT-I-FDDI_DAS_B_CAM_LOOPBACK (Slot %i, Port %i) : FDDI CAM Lpbk: DONE
%DDT-I-FDDI_DAS_B_CDC_LOOPBACK (Slot %i, Port %i) : FDDI ELM B CDC Lpbk: DONE
%DDT-I-FDDI_DAS_B_EB_LOC_LOOPBACK (Slot %i, Port %i) : FDDI ELM B EBUFF Lpbk: DONE
%DDT-I-FDDI_DAS_B_EXTERNAL_LOOPBACK (Slot %i, Port %i) : FDDI ELM B Ext Lpbk: DONE
%DDT-I-FDDI_DAS_B_LOC_LOOPBACK (Slot %i, Port %i) : FDDI ELM B LM Local Lpbk: DONE
%DDT-I-FDDI_DAS_B_SC_BYPASS_LOOPBACK (Slot %i, Port %i) : FDDI ELM B SC Bypass Lpbk: DONE
%DDT-I-FDDI_ELM_BIST (Slot %i, Port %i) : FDDI ELM BiST: DONE
%DDT-I-FDDI_ELM_CSR (Slot %i, Port %i) : FDDI ELM CSR Test: DONE
%DDT-I-FDDI_ELM_UNIQUE_ADDR (Slot %i, Port %i) : FDDI ELM Unique Addressability Test: DONE
%DDT-I-FDDI_MODULE FDDI Module (Slot %i) : PASSED
%DDT-I-FDDI_PHY_ELM_LINE_STATES (Slot %i, Port %i) : FDDI ELM A Line States: DONE
%DDT-I-FDDI_PORT_STATUS (Slot %i, HDLC Port %i) : PASSED
%DDT-I-FDDI_SHARED_BUS (Slot %i): Expected greater than 5000; Got %i: PASSED
%DDT-I-FE_MODULE FE Module (Slot %i) : PASSED
%DDT-I-GE_MODULE GE Module (Slot %i) : PASSED
%DDT-I-GEN %s
%DDT-I-GMAC_CASCADE_LOOPBACK (Slot %i, Port %i) : GMAC Cascade Loopback : PASSED
%DDT-I-GMAC_EXT_LOOPBACK (Slot %i, Port %i) : GMAC EXT Loopback : PASSED
%DDT-I-GMAC_INT_LOOPBACK (Slot %i, Port %i) : GMAC Internal Loopback : PASSED

Table 1: Undocumented Error Messages (Continued)

%DDT-I-GMAC_MAC_LOOPBACK (Slot %i, Port %i) : GMAC MAC Loopback : PASSED
%DDT-I-GMAC_MEM_TEST (Slot %i, Port %i) : GMAC Memory Test : PASSED
%DDT-I-GMAC_PHY_LOOPBACK (Slot %i, Port %i) : GMAC PHY Loopback : PASSED
%DDT-I-GMAC_STRIP_LOOPBACK (Slot %i, Port %i) : GMAC Stripping Loopback : PASSED
%DDT-I-GMAC_TEST (Slot %i, Port %i) : GMAC Test : PASSED
%DDT-I-IPP_MEM_TEST (Slot %i) : IPP Memory Test : PASSED
%DDT-I-IPP_TEST (Slot %i) : IPP Test : PASSED
%DDT-I-MAX_ERRORS Max Errors Reached; Suppressing further errors for this test
%DDT-I-MEM_INFO %s : %s
%DDT-I-MEM_MAX_ERRORS Max Errors Reached; Suppressing further errors for this test
%DDT-I-MEM_TEST %s : %s : %s
%DDT-I-NIA_LOOPBACK NIA Loopback Test: PASSED
%DDT-I-NIA_MEM_BUFFER NIA Buffer Memory Test: PASSED
%DDT-I-NIA_MEM_CTL_PRI_QUEUE_TEST NIA Control Priority Queue Test: PASSED
%DDT-I-NIA_MEM_FREE_PRI_QUEUE_TEST NIA Free Priority Queue Test: PASSED
%DDT-I-NIA_MEM_HI_PRI_QUEUE_TEST NIA High Priority Queue Test: PASSED
%DDT-I-NIA_MEM_LOW_PRI_QUEUE_TEST NIA Low Priority Queue Test: PASSED
%DDT-I-NIA_MEM_MED_PRI_QUEUE_TEST NIA Medium Priority Queue Test: PASSED
%DDT-I-NIA_MEM_TEST NIA Memory Test: PASSED
%DDT-I-NIA_TEST NIA Test: PASSED
%DDT-I-NIA_XBAR_LOOPBACK NIA-XBAR Loopback Test: PASSED
%DDT-I-OCMAC_EXT_LOOPBACK (Slot %i, Port %s) : OCMAC EXT Loopback : PASSED
%DDT-I-OCMAC_INT_LOOPBACK (Slot %i, Port %s) : OCMAC Internal Loopback : PASSED
%DDT-I-OCMAC_MAC_LOOPBACK (Slot %i, Port %s) : OCMAC MAC Loopback : PASSED
%DDT-I-OCMAC_MEM_TEST (Slot %i, Port %i) : OCMAC Memory Test : PASSED
%DDT-I-OCMAC_PHY_LOOPBACK (Slot %i, Port %s) : OCMAC PHY Loopback : PASSED
%DDT-I-OCMAC_STRIP_LOOPBACK (Slot %i, Port %i) : OCMAC Stripping Loopback : PASSED
%DDT-I-OCMAC_TEST (Slot %i, Port %i) : OCMAC Test : PASSED
%DDT-I-OPP_MEM_TEST (Slot %i) : OPP Memory Test : PASSED
%DDT-I-OPP_TEST (Slot %i) : OPP Test : PASSED
%DDT-I-PACKET_INFO Type: %s (Slot %i, Port %i) {Pri: %s, Size: %i, Seq: %s}
%DDT-I-PORT_STATUS (Slot %i, Port %i) : PASSED

Table 1: Undocumented Error Messages (Continued)

%DDT-I-POS_MICRO_TEST (Slot %i) : POS Microcontroller Test : PASSED
%DDT-I-QMAC_EXT_LOOPBACK (Slot %i, Port %2i) : QMAC EXT Loopback : PASSED
%DDT-I-QMAC_MAC_LOOPBACK (Slot %i, Port %2i) : QMAC MAC Loopback : PASSED
%DDT-I-QMAC_MEM_TEST (Slot %i, Port %2i) : QMAC Memory Test : PASSED
%DDT-I-QMAC_PHY_LOOPBACK (Slot %i, Port %2i) : QMAC PHY Loopback : PASSED
%DDT-I-QMAC_STRIP_LOOPBACK (Slot %i, Port %2i) : QMAC Stripping Loopback : PASSED
%DDT-I-QMAC_STRIP_LUBACK (Slot %i, Port %2i) : QMAC STRIP Luback : PASSED
%DDT-I-QMAC_TEST (Slot %i, Port %2i) : QMAC Test : PASSED
%DDT-I-SGE_MODULE S-GE Module (Slot %i) : PASSED
%DDT-I-SIPP_MEM_TEST (Slot %i) : SIPP Memory Test : PASSED
%DDT-I-SIPP_TEST (Slot %i) : SIPP Test : PASSED
%DDT-I-SNAKE_MODULE Cascade Loopback : PASSED
%DDT-I-SO_MODULE SO Module (Slot %i) : PASSED
%DDT-I-SOPP_MEM_TEST (Slot %i) : SOPP Memory Test : PASSED
%DDT-I-SOPP_TEST (Slot %i) : SOPP Test : PASSED
%DDT-I-SUNI_CSR_TEST (Slot %i, Port %i) : Mod-Phy SUNI CSR Test : PASSED
%DDT-I-SXOB_CNTR_TEST (Slot %i) : SXOB Counters Test : PASSED
%DDT-I-SXOB_MEM_TEST (Slot %i) : SXOB Memory Test : PASSED
%DDT-I-SXOB_PKTMEM_TEST (Slot %i) : SXOB Packet Memory Test : PASSED
%DDT-I-SXOB_TBLMEM_TEST (Slot %i) : SXOB Table Memory Test : PASSED
%DDT-I-SXOB_TEST (Slot %i) : SXOB Test : PASSED
%DDT-I-TSHP_CSR_TEST (Slot %i, Port %i) : ToolShop CSR Test : PASSED
%DDT-I-TSHP_END_TEST (Slot %i, Port %i) : ToolShop En-Decap Memory Test : PASSED
%DDT-I-TSHP_SAR_TEST (Slot %i, Port %i) : ToolShop SAR Buff Memory Test : PASSED
%DDT-I-TSHP_TEST (Slot %i, Port %i) : ToolShop Test : PASSED
%DDT-I-WAN_CPU_TESTS WAN PROM-Based Tests (Slot %i) : PASSED
%DDT-I-WAN_DSU_LB (Slot %i): DSU Loopback Test: PASSED
%DDT-I-WAN_ETHER_REG (Slot %i) : WAN Ethernet Controller Registers Test : PASSED
%DDT-I-WAN_EXT_LB (Slot %i) : WAN Ethernet XBAR Loopback : PASSED
%DDT-I-WAN_GALILEO_REG_TEST (Slot %i) : WAN Galileo Registers Test : PASSED
%DDT-I-WAN_GALILEO_TIMER_TEST (Slot %i) : WAN Galileo Timer Interrupt Test : PASSED
%DDT-I-WAN_HDLC_EXT_LB (Slot %i) : HDLC External Loopback : PASSED

Table 1: Undocumented Error Messages (Continued)

%DDT-I-WAN_HDLC_INT_LB (Slot %i) : HDLC Internal Loopback : PASSED
%DDT-I-WAN_HDLC_LINK_LED (Slot %i) : HDLC Link LEDs Test : PASSED
%DDT-I-WAN_HDLC_REG (Slot %i) : WAN HDLC Registers Test : PASSED
%DDT-I-WAN_HIFN_7711 (Slot %i) : HIFN 7711 Test: PASSED
%DDT-I-WAN_HIFN_9711 (Slot %i) : HIFN 9711 Test: PASSED
%DDT-I-WAN_HIFN_MEM (Slot %i) : HIFN Context Memory Test: PASSED
%DDT-I-WAN_L2_CACHE (Slot %i) : WAN L2 Cache Test : PASSED
%DDT-I-WAN_MAC_LB (Slot %i) : WAN Ethernet MAC Loopback : PASSED
%DDT-I-WAN_MODULE WAN Module (Slot %i) : PASSED #ifdef CMTS_SUPPORT
%DDT-I-WAN_PORT_STATUS (Slot %i, HDLC Port %i) : PASSED #ifdef CMTS_SUPPORT
%DDT-I-WAN_SDRAM_A_D_BUS (Slot %i) : WAN SDRAM Address and Data Buses Test : PASSED
%DDT-I-WAN_SDRAM_MARCH_C (Slot %i) : WAN SDRAM MarchC Memory Test : PASSED
%DDT-I-WAN_SEMAPHORE (Slot %i) : WAN Semaphore Test : PASSED
%DDT-I-WAN_SHMEM (Slot %i) : Shared Memory Test: PASSED
%DDT-I-XBAR_ACTIVE_FABRIC Setting Active Fabric To %i
%DDT-I-XBAR_CHAN Cross-Bar : Channel-to-Channel Test : PASSED
%DDT-I-XBAR_FABRIC Cross-Bar Fabric %i : PASSED
%DDT-I-XBAR_LINK Cross-Bar: (Slot %i, Port %i) -> (Slot %i, Port %i) : PASSED
%DDT-I-XBAR_MODULE Cross-Bar on Back-Plane : PASSED
%FDDI-E-MODULE_ERR Module %d - %s
%FDDI-I-FW_VER Module %d Firmware version %s
%GATED-E-AGGRALLOCLIST Mem allocation failed for an aggregate route.
%GATED-E-INVMASK Mask (%s) specified is invalid.
%HBT-F-TMRSTOPFAIL failed to stop timer '0x%x', error = %d
%HBT-W-HBTDISABLED Hbt is already disabled
%HBT-W-HBTENABLED Hbt is already enabled
%INTERFACE-E-BADELITESLOT The ARE blade in slot %i is either not currently active or not assigned to the correct ARE protocol. Please ensure that the blade is active or use the command 'are-blade set protocol ...' and try again.
%INTERFACE-E-CANNOTBRINGDOWN Interface 'lo0' can not be brought down
%INTERFACE-E-ELITEINFNOSUPPWAN %s interfaces do not support WAN ports
%INTERFACE-E-INVALIDIP The IP address %s is invalid.
%INTERFACE-E-IPXADDREXISTS The IPX address %s is already configured on interface %s.

Table 1: Undocumented Error Messages (Continued)

%INTERFACE-E-NOELITEAVAIL %s interfaces require an ARE blade. If you have an ARE blade, please ensure that it is active.
%INTERFACE-E-NOELITESLOT Multiple ARE blades have been detected. You need to specify which ARE blade you want with the SLOT option.
%INTERFACE-I-DEFELITESLOT This interface will use the ARE blade in slot %i as a default
%INTERFACE-W-WAN_ADD_FAILED interface add failed on slot %d port %d
%IPC-E-BADGETOBJ Bad GET Object ID '%d'
%IPC-E-BADINFORMOBJ Bad INFORM Object ID '%d'
%IPC-E-BADOPC Bad IPC message opcode '%d'
%IPC-E-BADREPLYOBJ Bad REPLY Object ID '%d'
%IPC-E-BADSETOBJ Bad SET Object ID '%d'
%IPC-E-BADTRAPOBJ Bad TRAP Object ID '%d'
%IPC-E-CLOSEFAIL Failed to close IPC client on port '%d'
%IPC-E-FWDMSGFAIL Failed to forward msg with error '%d'
%IPC-E-FWDSAVEDMSGFAIL Failed to forward saved msg with error '%d'
%IPC-E-GETSAVEDMSGFAIL Failed to get saved msg with error '%d'
%IPC-E-LOGCHAN Logging message error: Bad channel '%d'
%IPC-E-LOGMALLOC Logging message error: Malloc failed
%IPC-E-LOGMOD Logging message error: Bad module id '%d'
%IPC-E-MBOXFAIL Failed to access mailbox for channel '%d'
%IPC-E-MODFAILURE Too many remote module %d failures (%d times)... please reboot system
%IPC-E-OPENFAIL Failed to open IPC client on port '%d'
%IPC-E-RCVFAIL IPC receive error '%d'
%IPCERR-E-BADGETNXTOBJ Bad GET_NEXT Object ID '%d'
%IPCERR-E-BADGETOBJ Bad GET Object ID '%d'
%IPCERR-E-BADINFOBJ Bad INFORM Object ID '%d'
%IPCERR-E-BADOPC Bad IPC message opcode '%d'
%IPCERR-E-BADPORT Bad IPC port '%d'
%IPCERR-E-BADREPLYOBJ Bad REPLY Object ID '%d'
%IPCERR-E-BADSETOBJ Bad SET Object ID '%d'
%IPCERR-E-EEPTFAIL failed to modify extended exit port
%IPCERR-E-FWDRCVFAIL IPC received failed in the forwarding task - %s
%IPCERR-F-MALLOCFAIL failed to allocate memory for message

Table 1: Undocumented Error Messages (Continued)

%IPC-E-SAVEMSGFAIL Failed to save msg in ipc queue with error '%d'
%IPC-E-TMRERR IPC timer error '%d'
%IPC-E-WANFAIL Failed to send WAN activation to module '%d' - error=%d
%IPC-F-EVWAIT event wait failed with error '%d'
%IPC-F-QCREATFAIL saved msg queue creation failed with error '%d'
%IP-E-FORWMODESET Port %s is already set to %s. Please negate this before proceeding.
%IP-E-NOMODULENUM Invalid module number -- %d
%IP-E-UNKNOWN_MODE Unknown mode set for deep hashing -- %s
%IP-I-DISDSTUNREACH ICMP destination unreachable messages disabled.
%IP-I-DISECHORPLY ICMP echo reply messages disabled.
%IP-I-DISTIMSTMPRPLY ICMP time stamp reply messages disabled.
%IP-I-DISTIMXCEEDED ICMP timexceeded messages disabled.
%IP-I-ENDSTUNREACH ICMP destination unreachable messages enabled.
%IP-I-ENECHORPLY ICMP echo reply messages enabled.
%IP-I-ENTIMSTMPRPLY ICMP time stamp reply messages enabled.
%IP-I-ENTIMXCEEDED ICMP timexceeded messages enabled.
%IPRED-I-CONFIG_UPDATE Updated config for virtual router %d on interface %s (%s)
%IPRED-W-IF_POLL interface polling timer expired - no interfaces down
%L2TM-E-APS_CONFLICT failed configuring APS on %s and %s. %s
%L2TM-E-FLOW_STP Cannot enable flow-bridging-mode and force-STP-state simultaneously (%s).
%L2TM-E-INVLDMACENTRY Invalid MAC Table Entry(%x) - source and dest ptr NULL
%L2TM-E-INVLDNAME %s
%L2TM-E-NOADD %s
%L2TM-E-NOREMOVE Map %s cannot be removed because it is applied on ports and/or %ss.\n Please remove the ports pointing this Map before removing the Map.
%L2TM-I-MAP_APPLIED %s
%L2TM-I-MAP_CREATED %s
%L2TM-I-MAP_NOAPPLY %s
%L2TM-I-MAP_PRIO_OFF %s
%L2TM-I-MAP_PRIO_ON %s
%L2TM-I-MAP_REMOVED %s
%LOADBAL-E-AGINGALRSET %s

Table 1: Undocumented Error Messages (Continued)

%LOADBAL-E-CMDDEPRECATED %s
%LOADBAL-E-MASKALRSET %s
%LOADBAL-E-REMAGINGTIMER %s
%LOADBAL-E-REMCLISUBNET %s
%LOADBAL-I-SUBNETREM %s
%LOADBAL-I-SUBNETSET %s
%LOADBAL-W-SUBNETFORWMODLIM %s
%NAT-E-IF %s
%NAT-E-IFALSET %s
%NAT-E-IFPRT Interface %s is being set as NAT %s, port %s of slot %d is set to %s which not allowed with %s
%NAT-E-MALLOC Malloc error at %s
%NAT-E-STPRTMIS %s
%NAT-I-DNSTO %s
%NAT-I-IFCL %s
%NAT-I-INACTV NAT is currently inactive
%NAT-I-SECP %s
%NETSTAT-E-FAMILY Unknown address family: %s
%NETSTAT-E-NOSTATS No statistics are available for protocol: %s
%NETSTAT-E-PROTO Unknown or uninstrumented protocol: %s
%OSPF-E-NOSETPOLLINT Polling Interval can only be set for Non-Broadcast or Point to Multi Point interfaces.
%OSPF-I-ROUTERIDFND OSPF Router Id found: %s
%OSPF-W-INTFDOWN Interface %s marked down.
%PBR-E-ENIF Policy '%s' cannot be applied to the management interface
%PBR-E-LOIF Policy '%s' cannot be applied to the loopback interface
%POLICY-E-ASPATHALLOCFAIL Malloc failed for aspath.
%POLICY-E-ASPATHILLEGAL Aspath %s syntax is illegal. // // Errors related to Export Destinations //
%POLICY-E-ASPATHNULL AS Path is null.
%POLICY-E-EXPPLCYDSTNOTFOUND Export policy with destination %s not found.
%POLICY-E-EXPPLCYFLTNOTFOUND Export policy (with destination %s source %s filter %s) not found.
%POLICY-E-EXPPLCYSRCNOTFOUND Export policy with destination %s source %s not found.
%POLICY-E-IMPPLCYFLTNOTFOUND Import policy (with source %s filter %s) not found.
%POLICY-E-IMPPLCYNOTFOUND Import policy with source %s not found.

Table 1: Undocumented Error Messages (Continued)

%POLICY-E-INVEXDSTIDX Invalid Export destination.
%POLICY-E-INVEXPSRCIDX Invalid Export source.
%POLICY-E-INVIMPSRCIDX Invalid Export source.
%PPP-E-FORCEBGDENCAPFAILED Failed to set PPP bridged encapsulation on port %s
%PPP-I-FORCEBGDENCAP Bridged PPP encapsulation has been forced on port %s
%PPP-I-REVERTENCAP PPP encapsulation on port %s has been reverted from forced-bridged-encapsulation to automatic selection of PPP encapsulation
%PROFILE-E-TASK_ADDED Delete all the profiling tasks before changing mode
%PROFILE-F-TIMER Timer Creation Error.
%RELAY-I-DEBUG Relay agent debugging turned %s
%RL-E-ALREADY_APPLIED_PORT This policy is already applied to the specified port
%RL-E-ALREADYINAGGRMODE Modules '%s' are already in 'Aggregate' mode. Ignoring all.
%RL-E-NOTALLINFLOWMODE All the modules are not in 'Per Flow' Rate Limiting mode. You can not apply this policy to all Interfaces
%RL-I-CHANGEDTOFLOW Rate limiting mode changed to 'Per Flow'(default mode) for modules '%s'
%RL-I-CHANGEDTOLINK Rate limiting mode changed to 'Aggregate' for modules '%s'
%RL-I-DEF_CREATED Default policy '%s' has been successfully created
%RL-I-DEF_DELETED Default policy '%s' has been successfully deleted
%RL-I-PORTLEVELDISABLED Input Port Level Rate Limiting disabled on modules '%s'
%RL-I-PORTLEVELENABLED Input Port Level Rate Limiting enabled on modules '%s'
%RMON-E-ALIGN Request for unaligned memory of size %d bytes rounded up.
%RMON-E-FIXEDALLOC No memory slots left for fixed allocation of %d bytes.
%RMON-E-MEMVALUE Memory for %s is limited to %dMB.
%RMON-E-VARALLOC No memory slots left for variable allocation of %d bytes.
%RMON-W-INVALID_PORT Cannot add %s index %d row - port %u is invalid.
%SERIAL-E-CLI_LMI_SET_FAILED cli: Cannot set the same LMI parameter in multiple commands
%SERIAL-E-CLI_WRONG_OBJECT_ID cli: Got cli msg with unrecognized object id
%SERIAL-E-CLI_WRONG_OPCODE cli: Got cli msg with unrecognized opcode
%SERIAL-E-DMAC_RX_PKT WAN Simulator received a packet from a DMAC
%SERIAL-E-GMAC_RX_PKT WAN Simulator received a packet from a GMAC
%SERIAL-E-GMAC_RX_PKT WAN Simulator received a packet from a GMAC
%SERIAL-E-H7711_BELOW_MIN_REV Compression/Encryption chip is below minimum revision (value = 0x%x)
%SERIAL-E-H7711_NEED_UPGRADE serial card should be upgraded if compression/encryption needed

Table 1: Undocumented Error Messages (Continued)

%SERIAL-E-H9711_BELOW_MIN_REV Compression chip is below minimum revision (value = 0x%x)
%SERIAL-E-H9711_NEED_UPGRADE serial card should be upgraded if compression needed
%SERIAL-E-INIT_LARGE_PB_ERROR_NOMEM No memory to initialize large packet buffer pool
%SERIAL-E-INIT_PB_PTR_ERROR Bad pointers for packet calculation
%SERIAL-E-INIT_PB_SIZE_NOT_ABOVE_MIN Size of packet buffers fails to meet minimum requirements
%SERIAL-E-INIT_SMALL_PB_ERROR_NOMEM No memory to initialize small packet buffer pool
%SERIAL-E-PPP_MRU ppp frame length is greater than the MRU on port %d
%SERIAL-F-PB_ERROR_INVALID_PTR pbfree: Null Packet Buffer Pointer
%SERIAL-I-HIFN %s
%SERIAL-I-PORT_CABLE_DOWN Port %i : No Connection or Peer Unavailable
%SERIAL-I-PORT_CABLE_UP Port %i : Ready
%SERIAL-I-WAN_PKT %s
%SERIAL-W-CTL_ERROR_NOMEM control: Cannot allocate memory for message
%SERIAL-W-CTL_ERROR_QUEUE control: Cannot create nucleus queue
%SERIAL-W-CTL_ERROR_QUEUE_SEND control: Cannot send message to control task
%SERIAL-W-CTL_ERROR_TIMER control: Cannot create nucleus timer
%SERIAL-W-EGRESS_MLP_PID egress: invalid PPP proto id(%x) on port %d in mp.%x
%SERIAL-W-EGRESS_PORT_N_EXISTING egress: non-existing wan port %d
%SERIAL-W-EGRESS_PPP_FORMAT egress: wrong PDU format on port %d
%SERIAL-W-EGRESS_WAN_PROTO egress: invalid WAN proto on port %d
%SERIAL-W-EPT_ERROR_NOENTRY eptdelete: no such entry
%SERIAL-W-EPT_ERROR_NOMEM eptadd: malloc failed
%SERIAL-W-FRSHIM_ERROR_CHANINIT fr shim: FRCC_ChanInit() failed
%SERIAL-W-FRSHIM_ERROR_DCPADD fr shim: DCP_Add() failed - code %d
%SERIAL-W-FRSHIM_ERROR_DCPPRIM fr shim: Unhandled primitive from DCP, port %d, vc %d, primitive %d
%SERIAL-W-FRSHIM_ERROR_DCPREQ fr shim: DCP Request() failed - code 0x%x
%SERIAL-W-FRSHIM_ERROR_FRCCREQ fr shim: FRCC_Req() failed
%SERIAL-W-FRSHIM_ERROR_NO_UNASSIGNED_IDS fr shim: Cannot get an unassigned call id
%SERIAL-W-FRSHIM_ERROR_NOBUF fr shim: Cannot get buffer
%SERIAL-W-FRSHIM_ERROR_NOIDS fr shim: Cannot generate a call id
%SERIAL-W-FRSHIM_ERROR_NOLMI fr shim: LMI type unknown
%SERIAL-W-FRSHIM_ERROR_NOMEM fr shim: Cannot allocate frcc info

Table 1: Undocumented Error Messages (Continued)

%SERIAL-W-FRSHIM_ERROR_NOTFR fr shim: port is not frame relay
%SERIAL-W-FRSHIM_ERROR_PVCINIT fr shim: FRCC_PvcInit() failed
%SERIAL-W-FRSHIM_ERROR_PVCTERM fr shim: FRCC_PvcTerm() failed
%SERIAL-W-FRSHIM_ERROR_SMEADDCEI fr shim: SmeAddCei() failed - code %d
%SERIAL-W-FRSHIM_ERROR_SMEADDCFG fr shim: SmeAddCfg() failed - code %d
%SERIAL-W-FRSHIM_ERROR_SMEADDSERVICE fr shim: SmeAddService() failed - code %d
%SERIAL-W-FRSHIM_ERROR_SMEDLCREATELINKCEI fr shim: SME_DlCreateLinkCei() failed - code %d
%SERIAL-W-FRSHIM_ERROR_SMEGETADDR fr shim: SmeGetAddr() failed - code %d
%SERIAL-W-FRSHIM_ERROR_SMEGETCEI fr shim: SME_FrGetSigCei() failed - code %d
%SERIAL-W-FRSHIM_ERROR_SMEGETCFG fr shim: SmeGetCfg() failed - code %d
%SERIAL-W-FRSHIM_ERROR_TLIBINIT fr shim: tlib_init() failed
%SERIAL-W-FRSHIM_ERROR_UNSUPPORTED_LMI fr shim: LMI type is unsupported
%SERIAL-W-FRSHIM_INVALID_PORT fr shim: Invalid port - %d
%SERIAL-W-FRSHIM_INVALID_VC fr shim: Invalid VC - %d
%SERIAL-W-HIFN_ERROR_NOMEM hifn_compress: Can not allocate buffer
%SERIAL-W-INGRESS_ENCAPS ingress_forward: Could not encapsulate (port %d)
%SERIAL-W-INGRESS_ERROR_COMPRESS hifn_compress: Failed to compress packet
%SERIAL-W-INGRESS_ERROR_ENCAPS ingress_forward: Could not encapsulate type %d
%SERIAL-W-INGRESS_ERROR_ENCAPS_LEN ingress_forward: Invalid encapsulation length %d
%SERIAL-W-INGRESS_ERROR_ENCRYPT hifn_encrypt: Failed to encrypt packet
%SERIAL-W-INGRESS_ERROR_NOMEM ingress_forward: Can not allocate buffer
%SERIAL-W-INGRESS_ERROR_VC ingress_forward: VC does not exist
%SERIAL-W-IPARP_ERROR_DECSEND iparpreply: dec_send() failed
%SERIAL-W-IPARP_ERROR_NOMEM iparpreply: Can not allocate buffer
%SERIAL-W-MAC_ERROR_NOENTRY macdelete: no such entry
%SERIAL-W-MAC_ERROR_NOMEM macadd: malloc failed
%SERIAL-W-PB_ERROR_INVALID_TYPE pballoc: Invalid Packet Buffer Type
%SERIAL-W-PPPSHIM_ERROR_NOMEM ppp shim: Cannot allocate shim info memory
%SIO-F-EVGBAD unexpected events seen, expected 0x%x, seen 0x%x
%SIO-F-EVGCREAT failed to create driver event group, sts=0x%x
%SIO-F-EVGGET failed to get events, sts=0x%x
%SIO-F-EVGSET failed to set events, sts=0x%x

Table 1: Undocumented Error Messages (Continued)

%SIO-F-HISRFAIL failed to create driver HISR, sts=0x%x
%SIO-F-LISRFAIL failed to register driver LISR, sts=0x%x
%SIO-F-NOBUFMEM not enough memory to allocate typeahead buffer
%SIO-F-NOSTKMEM not enough memory to allocate stack
%SME-E-BADTYPE Attempt to log with bad type '%d'
%SME-E-SMELOG %s
%SME-F-SMELOG %s
%SME-I-SMELOG %s
%SME-W-SMELOG %s
%SNMP-E-BAD_IP_ADDR IP Interface %s only has a loopback address, interface can not be used
%SNMP-E-BAD_IP_IF %s is not a valid IP Interface name or configured IP address
%SNMP-E-BIND_FAILED Bind IP Address %s failed, using default. Reason: %s
%SNMP-E-INVALID_TARGET Address must be valid IPv4 unicast address. %s is not valid.
%SNMP-E-SEND_PDU Send PDU to manager %s failed %s
%SNMP-E-STARTIMER Internal Error stop timer failed code %d
%SNMP-F-CREATE_Q failed creating queue %s (retCode %d)
%SNMP-I-RETRO_IFSPEED ifSpeed for IP Interfaces will use speed of first operational port
%SNMP-I-TRAP_QUEUE_CLEARED SNMP Trap queue was cleared of %d traps
%SNMP-W-NOBCASTNOTSET The No Broadcasts option could not be set on the SNMP socket
%SONET-E-INVALID_DEFINE_OBJECT SONET invalid object in CLI command
%STATIC-W-GWAYNOTREACH Gateway %s is not reachable.
%STATS-F-EVWAIT event wait failed with error '%d'
%STATS-F-TMRCREATFAIL timer creation failed with error '%d'
%STATS-F-TMRSTARTFAIL failed to start timer '0x%x', error '%d'
%STRNK-E-CANTTXMARKERRESPONSE Unable to transmit Marker response.
%STRNK-E-CMDPRESENT There is a CLI command already executed for this port, negate that first
%STRNK-E-LACPMCASTREG Cannot register LACP mcast address
%STRNK-E-NOMEMKYGRP Out of memory, cannot form key group.
%STRNK-E-NOMEMLACPDU Out of memory, unable to allocate memory for LACPdu
%STRNK-E-NOMEMLAG Out of memory, unable to allocate memory for LAG
%STRNK-E-NOMEMLAGID Out of memory, unable to allocate memory for LAG Id
%STRNK-E-NOMEMMARKERRESPONSE Out of memory, unable to allocate memory for marker response packet.

Table 1: Undocumented Error Messages (Continued)

%STRNK-E-NOMEMPRT Out of memory, cannot add port to LAG.
%STRNK-E-NOTXLACPDU Cannot transmit LACPdu.
%STRNK-W-LACPANDNOACK If the protocol is 802.3 LACP, then no llap ack option is ignored.
%STRNK-W-PLAPDOWN Connection on port %s for %s broken -- %s
%SYS-E-2BIG %s: %s: arg list too long
%SYS-E-8021PCONFIGURED 802.1p mode is already configured on ports '%s'. Ignoring all
%SYS-E-8021PWAN 802.1p mode can not be configured for ports '%s'>
%SYS-E-ACCES %s: %s: permission denied
%SYS-E-ADDRINUSE %s: %s: address already in use
%SYS-E-ADDRNOTAVAIL %s: %s: can't assign requested address
%SYS-E-ADV %s: %s: advertise error
%SYS-E-AFNOSUPPORT %s: %s: address family not supported by
%SYS-E-AGAIN %s: %s: resource temporarily unavailable
%SYS-E-ALREADY %s: %s: operation already in progress
%SYS-E-ATMHARDWAREINIT The ATM linecard in slot %d failed module initialization.
%SYS-E-ATMHARDWARESIPPNOTOK The ATM linecard in slot %d has an unsupported SIPP revision %d.%d.
%SYS-E-ATMPORTDB Port at.%d.%d database error - memory heap low.
%SYS-E-ATMPORTINSERTION Port insert failed on Portlist at.%d.%d.
%SYS-E-ATMPORTNOTMGMT Port at.%d.%d not answering management calls.
%SYS-E-ATMPORTPHYNOTPRESENT Port set failed on port at.%d.%d, PHY not present.
%SYS-E-ATMPORTPHYNOTSUPPORTED Port set failed on port at.%d.%d, PHY not supported. // Invalid Module errors
%SYS-E-AUTODSTTIMER Unable to %s auto dst timer; fail status is %d
%SYS-E-AUTOHASH_CHAN_FAIL Auto-hash not supported for this channel number -- %d <SWIZZLE_NOT_SUPPORTED> <0> <1> Swizzle not supported for this channel number -- %d // obsolete hardware errors
%SYS-E-AUTOHASH_TASK Creation of the auto-hash task failed during %s operation for channel number %d.
%SYS-E-BAD_SIPP_MEM Bad SIPP Memory at 0x%08lx on channel %d
%SYS-E-BAD_WAN_PORT_MEDIA_UPDATE WAN port media update message for unknown port: %d
%SYS-E-BADDATE Illegal date specified
%SYS-E-BADE %s: %s: invalid exchange
%SYS-E-BADF %s: %s: bad file number
%SYS-E-BADFD %s: %s: f.d. invalid for this operation
%SYS-E-BADMEMCFG Bad memory configuration detected at location 0x%08lx. Please contact Technical Support.

Table 1: Undocumented Error Messages (Continued)

%SYS-E-BADMEMREAD memory read failed at location 0x%08lx
%SYS-E-BADMEMWRITE memory write failed at location 0x%08lx
%SYS-E-BADMSG %s: %s: trying to read unreadable message
%SYS-E-BADPKT bad system test packet received, etype 0x%x, cep 0x%x // wan cli errors
%SYS-E-BADR %s: %s: invalid request descriptor
%SYS-E-BADRQC %s: %s: invalid request code
%SYS-E-BADSLT %s: %s: invalid slot
%SYS-E-BADSRCIP No such interface address: %s
%SYS-E-BFONT %s: %s: bad font file fmt
%SYS-E-BKPLANEFAILED '%s' module in slot '%s' has failed
%SYS-E-CANCELED %s: %s: operation canceled
%SYS-E-CFGCPYFAIL copying only allowed from %s to %s
%SYS-E-CHILD %s: %s: no children
%SYS-E-CHRNG %s: %s: channel number out of range
%SYS-E-CLI_ENCRYPT_KEYS Invalid encryption key : Must be 16 digit hex string, e.g. 0x0123456789abcdef
%SYS-E-CLI_ERROR_TIME_OUT cli command timed out on waiting for a response from wan card
%SYS-E-CLI_FR_VC_CREATE cli: vc %d.%d.%d doesn't exist, create a vc first by using FRAME_RELAY CREATE VC command
%SYS-E-CLI_FR_VC_REQD cli: This option requires vc number to be specified for frame relay port %d
%SYS-E-CLI_LMI_NO_VC_ALLOWED cli: Cannot specify vc - LMI parameters apply to all vc's on port
%SYS-E-CLI_NON_FR_PORT card %d port %d is not a frame relay port
%SYS-E-CLI_NON_MLP_CMD %s option cannot be applied to mlp bundles
%SYS-E-CLI_NON_PPP_PORT card %d port %d is not a PPP port
%SYS-E-CLI_NON_WAN_PORT Port %d is not a wan port
%SYS-E-CLI_PPP_SERVICE_REUSED service profile(%s) is being for PPP ports
%SYS-E-CLI_SERVICE_MLP_PORT port %s is a member of %s which has already been assigned service %s
%SYS-E-CLI_SERVICE_NOT_FOR_MP service %s cannot be applied to mlp bundles: parameter %s is not allowed
%SYS-E-CLI_SERVICE_NOT_FOR_PHYPORT service %s cannot be applied to physical ports in mlp bundles: parameter %s is not allowed
%SYS-E-CLI_SERVICE_PHY_PORT %s member port %s has already been assigned service %s
%SYS-E-CLI_SERVICE_PORT port %s has already been assigned service %s
%SYS-E-CLI_SERVICE_PROFILE_NON_EXISTING cli: Service profile: %s does not exist, please use frame-relay/ppp DEFINE SERVICE command first
%SYS-E-CLI_SERVICE_VC port %s vc %d has already been assigned service %s

Table 1: Undocumented Error Messages (Continued)

%SYS-E-CMTS_CKSUM_ERROR %d: channel checksum error; kernel:%s file: %s #endif /* CMTS_SUPPORT */
%SYS-E-CMTS_SYNCH_ERROR Cannot synch with CMTS card in slot %s
%SYS-E-COMM %s: %s: communication error on send
%SYS-E-CONNABORTED %s: %s: software caused connection abort
%SYS-E-CONNRESET %s: %s: connection reset by peer
%SYS-E-DEADLK %s: %s: deadlock condition
%SYS-E-DEADLOCK %s: %s: file locking deadlock error
%SYS-E-DESTADDRREQ %s: %s: destination address required
%SYS-E-DIAGFRMENABLE Diagnostics mode must be entered from enabled mode // NIA Errors
%SYS-E-DOM %s: %s: math arg out of domain of func
%SYS-E-DQUOT %s: %s: disc quota exceeded
%SYS-E-DSTCONFLICT Conflict in the active config with a previous DST command
%SYS-E-DSTERROR Error - 'system set dst-%s' has been disabled; it must be negated and then re-entered into the active-config to make it work correctly again
%SYS-E-END_MODULE_CRASH System received above crash dump from module %d // Errors for the autohash task creation
%SYS-E-END_OF_LOG %s: %s: returned end of log
%SYS-E-EXIST %s: %s: file exists
%SYS-E-EXTRADAYS Too many days assigned to at least one month
%SYS-E-FAULT %s: %s: bad address
%SYS-E-FBIG %s: %s: file too large
%SYS-E-FLASHREMOVED %s: %s: external FLASH card was removed: please reinsert
%SYS-E-GIANTIPCPKT packet on 'lo' interface too large, len = %d // ATM Dual Port 155Mbps System Errors.
%SYS-E-GROUP_DELETED %s: %s: event group deleted
%SYS-E-HOSTDOWN %s: %s: host is down
%SYS-E-HOTSWAP_HSQFULL hotswap queue full, request for slot %d ignored, please try later
%SYS-E-HOTSWAP_INVALID slot %d is invalid on this system
%SYS-E-IDRM %s: %s: identifier removed
%SYS-E-ILSEQ %s: %s: illegal byte sequence
%SYS-E-IMAGE_EXISTS_BACKUP that image is already present on Backup CM.
%SYS-E-INPROGRESS %s: %s: operation now in progress
%SYS-E-INTR %s: %s: interrupted system call
%SYS-E-INVAL %s: %s: invalid argument

Table 1: Undocumented Error Messages (Continued)

%SYS-E-INVALID_CHANNEL %s: %s: invalid channel
%SYS-E-INVALID_DELETE %s: %s: invalid delete
%SYS-E-INVALID_DRIVER %s: %s: invalid driver
%SYS-E-INVALID_ENABLE %s: %s: invalid enable
%SYS-E-INVALID_ENTRY %s: %s: invalid entry
%SYS-E-INVALID_EVFLG %s: %s: invalid event flag
%SYS-E-INVALID_FLASH %s: %s: invalid flash
%SYS-E-INVALID_FUNCTION %s: %s: invalid function
%SYS-E-INVALID_GROUP %s: %s: invalid group
%SYS-E-INVALID_HISR %s: %s: invalid ISR
%SYS-E-INVALID_MAILBOX %s: %s: invalid mailbox
%SYS-E-INVALID_MEMORY %s: %s: invalid memory
%SYS-E-INVALID_MESSAGE %s: %s: invalid operation
%SYS-E-INVALID_OPERATION %s: %s: invalid pipe
%SYS-E-INVALID_PARAMETER %s: %s: invalid parameter
%SYS-E-INVALID_PIPE %s: %s: invalid pointer
%SYS-E-INVALID_POINTER %s: %s: invalid pointer
%SYS-E-INVALID_POOL %s: %s: invalid pool
%SYS-E-INVALID_PREEMPT %s: %s: invalid preempt
%SYS-E-INVALID_PRIORITY %s: %s: invalid priority
%SYS-E-INVALID_QUEUE %s: %s: invalid queue
%SYS-E-INVALID_RESUME %s: %s: invalid resume
%SYS-E-INVALID_SEMAPHORE %s: %s: invalid semaphore
%SYS-E-INVALID_SIZE %s: %s: invalid size
%SYS-E-INVALID_START %s: %s: invalid start
%SYS-E-INVALID_SUSPEND %s: %s: invalid suspend
%SYS-E-INVALID_TASK %s: %s: invalid task
%SYS-E-INVALID_TIMER %s: %s: invalid timer
%SYS-E-INVALID_VECTOR %s: %s: invalid vector
%SYS-E-INVALIDFABSLOT Invalid Fabric Slot %d //
%SYS-E-ISCONN %s: %s: socket is already connected
%SYS-E-ISDIR %s: %s: is a directory

Table 1: Undocumented Error Messages (Continued)

%SYS-E-L2HLT %s: %s: level 2 halted
%SYS-E-L2NSYNC %s: %s: level 2 not synchronized
%SYS-E-L3HLT %s: %s: level 3 halted
%SYS-E-L3RST %s: %s: level 3 reset
%SYS-E-LANWANOPTIONMIXED Mixed Lan and Wan options
%SYS-E-LIBACC %s: %s: can't access a needed shared lib
%SYS-E-LIBBAD %s: %s: accessing a corrupted shared lib
%SYS-E-LIBEXEC %s: %s: attempting to exec a shared library
%SYS-E-LIBMAX %s: %s: attempting to link in too many libs
%SYS-E-LIBSCN %s: %s: .lib section in a.out corrupted
%SYS-E-LINKGRP Forced reverse flows are not allowed on members of smart trunks.
%SYS-E-LNRNG %s: %s: link number out of range
%SYS-E-LOOP %s: %s: symbolic link loop
%SYS-E-MACNOTOURS Requested MAC is not of our OUI, %02x%02x%02x:%02x%02x%02x
%SYS-E-MAILBOX_DELETED %s: %s: mailbox deleted
%SYS-E-MAILBOX_EMPTY %s: %s: mailbox empty
%SYS-E-MAILBOX_FULL %s: %s: mailbox full
%SYS-E-MAILBOX_RESET %s: %s: mailbox reset
%SYS-E-MAJORREV Module %d major revision is %d, expected %d
%SYS-E-MEMUSESTATS Printing memory stats because no memory available, requested %d // // The following eight are used for the daylight saving time found in dstime.c //
%SYS-E-MFILE %s: %s: too many open files
%SYS-E-MLINK %s: %s: too many links
%SYS-E-MSGSIZE %s: %s: message too long
%SYS-E-MULTIHOP %s: %s: multihop attempted
%SYS-E-NAMETOOLONG %s: %s: path name is too long
%SYS-E-NETDOWN %s: %s: network is down
%SYS-E-NETRESET %s: %s: network dropped connection because
%SYS-E-NETUNREACH %s: %s: network is unreachable
%SYS-E-NO_CRASH_FILE Unable to open flash file to dump crash information
%SYS-E-NO_MEMORY %s: %s: no more memory
%SYS-E-NO_MORE_LISRS %s: %s: no more low ISRs

Table 1: Undocumented Error Messages (Continued)

%SYS-E-NO_PARTITION %s: %s: no partitions
%SYS-E-NOANO %s: %s: no anode
%SYS-E-NOCSI %s: %s: no CSI structure available
%SYS-E-NODATA %s: %s: no data (for no delay io)
%SYS-E-NODEV %s: %s: no such device
%SYS-E-NOENT %s: no such file or directory '%s'
%SYS-E-NOEXEC %s: %s: exec format error
%SYS-E-NOFABHOTSWAP System Fabric Hotswap not supported
%SYS-E-NOIFGMOD Cannot configure IFG for non-Ethernet ports
%SYS-E-NOLCK %s: %s: no record locks available
%SYS-E-NOLINK %s: %s: the link has been severed
%SYS-E-NOMODULENUM Invalid module number -- %d
%SYS-E-NONET %s: %s: machine is not on the network
%SYS-E-NOPKG %s: %s: package not installed
%SYS-E-NOPROTOOPT %s: %s: protocol not available
%SYS-E-NOSPC %s: %s: no space left on device
%SYS-E-NOSR %s: %s: out of streams resources
%SYS-E-NOSTR %s: %s: device not a stream
%SYS-E-NOSYS %s: %s: unsupported file system operation
%SYS-E-NOT_DISABLED %s: %s: not disabled
%SYS-E-NOT_PRESENT %s: %s: not present
%SYS-E-NOT_REGISTERED %s: %s: not registered
%SYS-E-NOT_TERMINATED %s: %s: not terminated
%SYS-E-NOTBLK %s: %s: block device required
%SYS-E-NOTCONN %s: %s: socket is not connected
%SYS-E-NOTDIR %s: %s: not a directory
%SYS-E-NOTEMPTY %s: %s: directory not empty
%SYS-E-NOTSOCK %s: %s: socket operation on non-socket
%SYS-E-NOTSUP %s: %s: operation not supported
%SYS-E-NOTTY %s: %s: inappropriate ioctl for device
%SYS-E-NOTUNIQ %s: %s: given log. name not unique
%SYS-E-NXIO %s: %s: no such device or address

Table 1: Undocumented Error Messages (Continued)

%SYS-E-OPNOTSUPP %s: %s: operation not supported on socket
%SYS-E-OPTIONERROR Options for auto dst were not assigned properly
%SYS-E-OVERFLOW %s: %s: value too large to be stored in data type
%SYS-E-PERM %s: %s: not super-user
%SYS-E-PFNOSUPPORT %s: %s: protocol family not supported
%SYS-E-PIPE %s: %s: broken pipe
%SYS-E-PIPE_DELETED %s: %s: pipe deleted
%SYS-E-PIPE_EMPTY %s: %s: pipe empty
%SYS-E-PIPE_FULL %s: %s: pipe full
%SYS-E-PIPE_RESET %s: %s: pipe reset
%SYS-E-POOL_DELETED %s: %s: pool deleted
%SYS-E-PORT_NEGATE port can't be negated before all the other commands related to the port are negated
%SYS-E-PROTONOSUPPORT %s: %s: protocol not supported
%SYS-E-PROTOTYPE %s: %s: protocol wrong type for socket
%SYS-E-QUEUE_DELETED %s: %s: queue deleted
%SYS-E-QUEUE_EMPTY %s: %s: queue empty
%SYS-E-QUEUE_FULL %s: %s: queue full
%SYS-E-QUEUE_RESET %s: %s: queue reset
%SYS-E-RANGE %s: %s: math result not representable
%SYS-E-REMCHG %s: %s: remote address changed
%SYS-E-REMOTE %s: %s: the object is remote
%SYS-E-RESTART %s: %s: restartable system call
%SYS-E-REVISION_CHECK_FAIL Obsolete hardware revision in slot %d -- replace board immediately
%SYS-E-ROFS %s: %s: read only file system
%SYS-E-SAMEDSTIME The begin and end times must be at least 1 hour 10 minutes apart
%SYS-E-SEMAPHORE_DELETED %s: %s: semaphore deleted
%SYS-E-SEMAPHORE_RESET %s: %s: semaphore reset
%SYS-E-SHUTDOWN %s: %s: can't send after socket shutdown
%SYS-E-SOCKTNOSUPPORT %s: %s: socket type not supported
%SYS-E-SPIPE %s: %s: illegal seek
%SYS-E-SRCH %s: %s: no such process
%SYS-E-SRMNT %s: %s: srmount error

Table 1: Undocumented Error Messages (Continued)

%SYS-E-STALE %s: %s: stale NFS file handle // // Following are used by the VFS. // These errors require two arguments: The name of the function calling // ERR_errlog() and the name of the function that returned the original // error being logged. //
%SYS-E-STMEMNOTFOUND %s %s.%d does not contain any member ports // The following are errors for invalid hotswap cli commands
%SYS-E-STNOTFOUND %s %s.%d not found
%SYS-E-STRPIPE %s: %s: if pipe/FIFO, don't sleep in stream head
%SYS-E-TIME %s: %s: timer expired
%SYS-E-TIMEDOUT %s: %s: connection timed out
%SYS-E-TIMEOUT %s: %s: time-out
%SYS-E-TIMER_HISR_CREATE %s: %s: error creating timer
%SYS-E-TIMER_TASK_CREATE %s: %s: error creating timer
%SYS-E-TOOMANYREFS %s: %s: too many references: can't splice
%SYS-E-TXTBSY %s: %s: text file busy
%SYS-E-UNATCH %s: %s: protocol driver not attached
%SYS-E-UNAVAILABLE %s: %s: resource unavailable
%SYS-E-UNSUPPCPUMOD %s '%s', is not supported on %s systems
%SYS-E-USERS %s: %s: too many users (for UFS)
%SYS-E-VC_NEGATE vc can't be negated before all the other commands using vc are negated
%SYS-E-VFSBADARG %s: %s: Bad function argument
%SYS-E-VFSBADBLKNUM %s: %s: bad block number
%SYS-E-VFSBADCACHEBUFFER %s: %s: bad cache buffer
%SYS-E-VFSBADCACHESIGN %s: %s: bad cache buffer signature
%SYS-E-VFSBADCOMPLEN %s: %s: component length exceeded
%SYS-E-VFSBADDIRENTCNT %s: %s: bad count of directory entries
%SYS-E-VFSBADDIRENTSIGN %s: %s: bad directory entry signature
%SYS-E-VFSBADDIRHDRSIGN %s: %s: bad directory block signature
%SYS-E-VFSBADENTRYNUM %s: %s: bad entry number
%SYS-E-VFSBADEXTENTSIGN %s: %s: bad extra entry signature
%SYS-E-VFSBADFILE %s: %s: bad open file node
%SYS-E-VFSBADFILELIST %s: %s: bad open file list
%SYS-E-VFSBADFILENTSIGN %s: %s: bad file entry signature
%SYS-E-VFSBADFILESIGN %s: %s: bad open file signature
%SYS-E-VFSBADFILESIZE %s: %s: bad file size

Table 1: Undocumented Error Messages (Continued)

%SYS-E-VFSBADFILHDRSIGN %s: %s: bad file block signature
%SYS-E-VFSBADFREENTSIGN %s: %s: bad free entry signature
%SYS-E-VFSBADFREHDRSIGN %s: %s: bad free block signature
%SYS-E-VFSBADHANDLE %s: %s: bad file handle
%SYS-E-VFSBADMNTPOINT %s: %s: bad mount point
%SYS-E-VFSBADMODE %s: %s: bad mode for file open
%SYS-E-VFSBADOFFSET %s: %s: bad offset
%SYS-E-VFSBADOPENCNT %s: %s: invalid file open count
%SYS-E-VFSBADPATH %s: %s: bad path
%SYS-E-VFSBADSIGNATURE %s: %s: bad signature
%SYS-E-VFSBADVFSHDRSIGN %s: %s: bad VFS block signature
%SYS-E-VFSBLKNOTFOUND %s: %s: bad block number
%SYS-E-VFSCACHEINUSE %s: %s: file cache accessed multiple times
%SYS-E-VFSDIREXISTS %s: %s: directory already exists
%SYS-E-VFSDIRNOTEMPTY %s: %s: directory not empty
%SYS-E-VFSFILEEXISTS %s: %s: file already exists
%SYS-E-VFSFILESTILLOPEN %s: %s: file still open
%SYS-E-VFSFILESYSFULL %s: %s: file system is full
%SYS-E-VFSFLUSH %s: %s: file flush failed
%SYS-E-VFSFSCMPRSD %s: %s: compressed file system not mountable uncompressed
%SYS-E-VFSLCKFAIL %s: %s: lock acquisition failed
%SYS-E-VFSMINBLKCNT %s: %s: file system minimum block count not met
%SYS-E-VFSNOCACHEBUFFER %s: %s: no free cache buffers
%SYS-E-VFSNOENTRIES %s: %s: file flush failed
%SYS-E-VFSNOFILE %s: file '%s' not found
%SYS-E-VFSNOFREEBLOCK %s: %s: no free blocks available
%SYS-E-VFSNOFREEENTRY %s: %s: no free entries available
%SYS-E-VFSNOHANDLE %s: %s: file handle not found
%SYS-E-VFSNOMEMORY %s: %s: insufficient system memory
%SYS-E-VFSNOTABSPATH %s: %s: absolute path must be specified
%SYS-E-VFSNOTADIR %s: %s: entry is not a directory
%SYS-E-VFSNOTAFILE %s: %s: entry is not a file

Table 1: Undocumented Error Messages (Continued)

%SYS-E-VFSNULLCOMP %s: %s: component is null
%SYS-E-VFSNULLPTR %s: %s: NULL pointer encountered
%SYS-E-VFSREADPASTEOF %s: %s: reading past end-of-file
%SYS-E-VFSRNDMACCESS %s: %s: random file access error
%SYS-E-VFSUNLCKFAIL %s: %s: lock release failed
%SYS-E-WAN Forced reverse flows are not allowed on WAN ports.
%SYS-E-WAN_CKSUM_ERROR %d: channel checksum error; kernel:%s file: %s #ifdef CMTS_SUPPORT // cmts hardware initial-ization errors
%SYS-E-WAN_SYNCH_ERROR Cannot synch with WAN card in slot %s
%SYS-E-WANPORTOUTOFRANGE The specified port(%d) is out of range
%SYS-E-WANVCNOTALLOWED vc option is not allowed for PORT SET command
%SYS-E-XDEV %s: %s: cross-device link
%SYS-E-XFULL %s: %s: exchange full
%SYS-F-MEMTOPNULL top of RAM is unknown // // The following are used by the L3 IPP driver //
%SYS-I-ADD_IMAGE_BACKUP_OK system image stored on Backup CM--complete
%SYS-I-ATMHARDWARESIPPOK The ATM linecard in slot %d has a SIPP revision %d.%d. // Begin WAN CLI System Warnings.
%SYS-I-CMTS_SYNCH_SUCCESS Successfully synchronized with CMTS card on channel %d #endif /* CMTS_SUPPORT */
%SYS-I-DSTCHANGE Auto DST has changed the time %s one hour
%SYS-I-HOTSWAP_HSQINDUP duplicate request for hotswap-in slot %d ignored
%SYS-I-HOTSWAP_HSQOUTDUP duplicate request for hotswap-out slot %d ignored
%SYS-I-HOTSWAP_INRXD received hotswapped-in request for slot %d, detecting, please wait
%SYS-I-HOTSWAP_OUTQUEUED hotswap busy, request for hotswap-out slot %d queued
%SYS-I-ICMPSTATSCLR ICMP statistics cleared //information for the bootimage upgrade routines
%SYS-I-POST Power-On Self Test mode: %s
%SYS-W-CLI_NON_CMTS_PORT Port %d is not a cmts port #endif /* CMTS_SUPPORT */ // wan cli
%SYS-W-CLI_NON_FR_PORT card %d port %d is not a frame relay port
%SYS-W-CLI_NON_FR_PROFILE cli: Trying to set a non-frame-relay service (%s) on a frame relay port (%d)
%SYS-W-CLI_NON_PPP_PROFILE cli: Trying to set a non-ppp service (%s) on a PPP port (%d)
%SYS-W-CLI_SERVICE_PROFILE_IN_USE cli: the service profile is being used
%SYS-W-CMTS_TOD_IPC_RECVQ_FAIL queue registration with IPC failed, cannot receive msg from cmts card through IPC
%SYS-W-CMTS_TOD_RECEIVE_FAIL error on receiving msg from cmts card, error code %d
%SYS-W-CMTS_TOD_RECVQ_FAIL create queue failed, cannot receive msg from cmts card

Table 1: Undocumented Error Messages (Continued)

%SYS-W-CMTS_TOD_SEND_FAIL CMTS TOD msg not sent due to IPC failure
%SYS-W-CMTS_TOD_TMR_FAIL create timer failed, cannot periodically update time on CMTS card
%SYS-W-CMTS_TOD_WAIT_FAIL CMTS TOD event with unsuccessful status %d #endif /* CMTS_SUPPORT */
%SYS-W-CMTS_TOD_WRONG_OBJECT_ID CMTS TOD msg received with unrecognized object id = %d
%SYS-W-CMTSPORTOUTOFRANGE The specified port(%d) is out of range
%SYS-W-CRASH_DUMP_SAVED Module %d crashed. Crash dump stored in file: %s // obsolete hardware warnings
%SYS-W-FANSFAILED system fan(s) have failed or fan tray is not installed
%SYS-W-NOAUTOFIBER auto-negotiate not supported on 100 Mbit Fiber Ports.
%SYS-W-NOAUTOSPEEDDUPLEX cannot set speed/duplex on 10/100M Port when Autonegotiation is ON.
%SYS-W-NOFLOWCTLFE cannot advertise flow control on 10/100 Mbit Ports.
%SYS-W-REVISION_CHECK_FAIL Old prototype hardware revision found in slot %d -- update as soon as possible
%SYS-W-TEMPTOOHIGH system temperature has exceeded operating limits
%SYS-W-VADDRNOTMAPD virtual address '0x%08lx' is not TLB mapped
%T1T3CLI-E-MLPWRONGSLOT MLP is only supported on the wan module, and slot %d is not a wan module.
%TELNETD-E-CHILDRDY_WAIT rc = %d while waiting for child to be ready
%TELNETD-E-CONTROL_TIMER NU_Control_Timer failed with status %d
%TELNETD-E-CREATE_TIMER NU_Create_Timer failed with status %d
%TELNETD-E-DELETE_TIMER NU_Delete_Timer failed with status %d
%TELNETD-E-NOPTY could not acquire a pty
%TELNETD-E-PTY_ERROR PUSHLOG failed errno %d
%TELNETD-E-RANDOM_EVENT events = %d when child should have been ready
%TELNETD-E-RESET_TIMER NU_Reset_Timer failed with status %d
%TELNETD-E-TIMER telnetd could not create sleep timer
%TELNETD-F-BADSTATE telnetd: panic state=%d
%TELNETD-I-END_CLIENT telnet client terminated at user request
%TELNETD-I-END1 ending telnet session %d, proc %x
%TELNETD-I-END2 ending telnet console session %d, proc %x
%TELNETD-I-GOTCHAR received char '%c' (0x%02x)\r /* <GOTINT> <0> <0> received interrupt from net*/ /* <CONSINT> <0> <0> console got interrupt*/
%TELNETD-I-NET_DUHH net was ready for reading and then it wasn't
%TELNETD-I-PTY_DUHH pty was ready for reading and then it wasn't
%TELNETD-I-START1 starting telnet session %d, proc %x

Table 1: Undocumented Error Messages (Continued)

%TELNETD-I-START2 starting telnet console session %d, proc %x
%TELNETD-W-TTLOOP_WOULDBLOCK ttloop() read returned EWOULDBLOCK session %d
%VLAN-E-NO_TOVLAN No target VLAN specified.
%VLAN-I-MOVEPORTS Moving ports %s from VLAN %s[%d] to VLAN %s[%d]
%WAN-E-MSG Loadable module %d: %s #else
%WAN-E-MSG WAN module %d: %s #endif /* CMTS_SUPPORT */
%WAN-F-MSG Loadable module %d: %s #else
%WAN-F-MSG WAN module %d: %s #endif /* CMTS_SUPPORT */
%WAN-I-MSG Loadable module %d: %s #else
%WAN-I-MSG WAN module %d: %s #endif /* CMTS_SUPPORT */
%WAN-W-MSG Loadable module %d: %s #else
%WAN-W-MSG WAN module %d: %s #endif /* CMTS_SUPPORT */
%WC-E-ENIF Web-caching '%s' cannot be applied to the management interface
%WC-E-LOIF Web-caching '%s' cannot be applied to the loopback interface
%WC-I-STATUS_CHANGE Server '%s' status change -- Server %s

Index