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System Messaging Platform Reference Guide

Passport 8000 Series Software Release 3.7.6



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Preface

Nortel Networks* Passport 8000 Series* switch is flexible and multifunctional, supporting a diverse range of network architectures and protocols. This guide for the Passport 8000 Series switch provides a general description of the design principles underlying System Messaging Platform features.

Before you begin

This guide is intended for network designers and administrators with the following background:

- Basic knowledge of networks, Ethernet bridging, and IP and Internetwork Packet Exchange (IPX) routing
- Familiarity with networking concepts and terminology
- Basic knowledge of network topologies
- Experience with window systems or graphical user interfaces (GUI)

Text conventions

This guide uses the following text conventions.

angle brackets (< >)	Indicate that you choose the text to enter based on the description inside the brackets. Do not type the brackets when entering the command. Example: If the command syntax is <code>ping <ip_address></code> , you enter <code>ping 192.32.10.12</code>
bold Courier text	Indicates command names and options and text that you need to enter. Example: Use the dinfo command. Example: Enter show ip {alerts routes} .
braces ({})	Indicate required elements in syntax descriptions where there is more than one option. You must choose only one of the options. Do not type the braces when entering the command. Example: If the command syntax is <code>show ip {alerts routes}</code> , you must enter either <code>show ip alerts</code> or <code>show ip routes</code> , but not both.
brackets ([])	Indicate optional elements in syntax descriptions. Do not type the brackets when entering the command. Example: If the command syntax is <code>show ip interfaces [-alerts]</code> , you can enter either <code>show ip interfaces</code> or <code>show ip interfaces -alerts</code> .
<i>italic text</i>	Indicates new terms, book titles, and variables in command syntax descriptions. Where a variable is two or more words, the words are connected by an underscore. Example: If the command syntax is <code>show at <valid_route></code> , <i>valid_route</i> is one variable and you substitute one value for it.

plain Courier text	Indicates command syntax and system output, for example, prompts and system messages. Example: Set Trap Monitor Filters
separator (>)	Shows menu paths. Example: Protocols > IP identifies the IP command on the Protocols menu.
vertical line ()	Separates choices for command keywords and arguments. Enter only one of the choices. Do not type the vertical line when entering the command. Example: If the command syntax is <code>show ip {alerts routes}</code> , you enter either <code>show ip alerts</code> or <code>show ip routes</code> , but not both.

Acronyms

This guide uses the following acronyms.

BootP	Bootstrap Protocol
CPU	Central Processing Unit
FTP	File Transfer Protocol
IP	Internet Protocol
MAC	Media Access Control
MAU	Media Access Unit
MDI-X	Medium Dependent Interface Crossover
NBMA	Nonbroadcast Multi-access
PPP	Point-to-Point Protocol
SF	Switch Fabric
SMP	System Messaging Platform
SNMP	Simple Network Management Protocol
STG	Spanning Tree Groups

TCP/IP	Transmission Control Protocol/Internet Protocol
TELNET	Network Virtual Terminal Protocol

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Chapter 1

System Messaging Platform

The System Messaging Platform (SMP) creates a scheme for the display and access of system messages. SMP enhances your access to information by offering greater serviceability.

In addition to standardizing system messages, SMP captures all relevant error information (system messages and crash dumps) in a single file. SMP helps in collecting, analyzing, and providing solutions to issues in a timely manner.

Messages

The log messages for the Passport 8000 Series switch have a standardized format.

Tagging of messages

All system messages are tagged with the following, as shown in [“Format” on page 14](#).

- **Category:** The Category of the log message. Refer to [Table 1 on page 14](#) for possible categories.
- **Module ID:** Software module from which the log is generated.
- **CPU/SF slot:** This identifies which slot of the CPU generated the log message.
- **Nortel Proprietary (NP)** information for debugging purposes.

Format

The SMP message format is as follows:

```
<Module ID><Task><NP info><CPU slot><Time stamp><Category><Severity>
```

Example

```
VLAN Task=tTrapd No-interface CPU5 [10/14/98 15:46:26] VLAN WARNING Link Down
```



Note: The NP information, shown in *italics*, is encrypted before being written into the Syslog file. The encrypted information is for debugging purposes only. Thus, it is not readable on the switch. It can be decrypted only by a Customer Service engineer. The CLI (Command Line Interface) commands display the logs without the encrypted information. Nortel Networks does not advise editing the log file.

[Table 1](#), [Table 2](#), and [Table 3 on page 15](#) provide lists of message categories, severity levels, and CPU examples.

Table 1 SMP categories

SMP Categories			
ATM	IPMC	PIM	SNMP
CPU	IP-RIP	POLICY	STG
DVMRP	IPX	POS	SW
FILTER	MLT	QOS	VLAN
HW	NONE	RADIUS	WEB
IGMP	OSPF	RMON	

Table 2 SMP severity levels

Severity level	Definition
Info	Information only. No action is required.
Error	A nonfatal condition has occurred. You may be required to take appropriate action. For example, an error message is generated when the system is unable to lock onto the semaphore before initialization of the IP addresses configured for the SMP log file transfer to a remote host.
Warning	A nonfatal condition has occurred. No immediate action is needed.
Fatal	A fatal condition has occurred that the system cannot recover from without rebooting. For example, a fatal message is generated when the configuration database is corrupted.

Table 3 SMP CPU examples

CPU examples {string length 0.25}	
CPU1	CPU4
CPU2	CPU5
CPU3	CPU6

Crash dump information

All crash dump information is captured, encrypted, and stored in a log file for debugging purposes. The time of crash dump occurrence is also captured. Crash dump information is only retained when logging to a PCMCIA card. This information is not saved to DRAM.

Log file modifications

SMP changes the way syslog files are captured and named.

Log file

The syslog.txt and sysHwlog.txt files have been merged to enhance the maintainability of the logs. Thus, both hardware and software messages are captured in the same, single log file. This log file is simultaneously saved to DRAM and the PCMCIA card (if available).



Note: Nortel Networks strongly recommends logging to a PCMCIA card and keeping a PCMCIA card in each CPU at all times. The DRAM has limited memory allocated to SMP. DRAM logs are stored in a circular list, which overwrites older log messages when the log fills up. The DRAM log also does not contain any encrypted information, which may limit the information available during troubleshooting.

Log file naming convention

The following are the naming conventions of the log file:

- The log file is named according to 8.3 (xxxxxxx.sss) format in which the first six characters of the log file name contains the last three bytes of the chassis base MAC address. The next two characters specify the slot number of the CPU that generated the logs. The last three characters (sss) denote the sequence number of the log file.
- The sequence number of the log file is incremented after every successful auto-transfer of the file to the remote host (see "[Transfer of a log file to remote machine](#)").
- After reboot, the logs are stored in the log file name with the highest sequence number present in the PCMCIA. If the log file does not exist, then a new log file with the sequence number 000 is created and the logs are stored.

Transfer of a log file to remote machine

The system logs contain important information for debugging and maintaining your Passport 8000 Series switch. When logging to the PCMCIA card, the log file is automatically transferred to a remote host when the size parameters you specified are met. You can configure up to ten remote hosts, creating long-term backup storage of your system log files.



Note: Of the ten configured remote hosts, one is the primary host and the other nine are redundant. Upon initiating a transfer, SMP always attempts to use host one first. If host one is not reachable, host two is tried, then host three, and so on.

If the auto-transfer of the log file is unsuccessful, SMP will log any future messages in the DRAM, instead of the PCMCIA.

You can specify the following, based on which file you are transferring to a remote machine:

- Configurable log size parameters (see [Table 4 on page 18](#)).
- IP address of remote host.
- File name – The name of the file that is to be stored in the remote host.



Note: Nortel Networks recommends that you not set this option. Setting this option causes the syslog file to be overwritten on the remote server.

- Username and password, if required.



Note: This is configured by using the command `config bootconfig host user <value>` and `config bootconfig host password <value>`. Be aware that this password is not encrypted and is saved in plain-text format in the `bootconfig` file.

The log file is transferred to the remote machine by FTP if a username and password are configured. Otherwise, TFTP is used to transfer the log file. For TFTP, the destination file must have write permission in the remote host. All of your FTP transfer hosts must use the same username and password. This includes hosts used to copy files as well as the SMP log.



Note: The IP address you configured for the remote host must be reachable.



Note: Nortel Networks strongly recommends renaming any log file before transferring it from a host to the switch (for example, for use with the **show log file name-of-file <filename>** command). Failure to rename the log file may cause the switch to use the recently transferred file as the current log, if the sequence number in the extension is higher than the current log file. For example, if bf800005.002 is the current log file and the you transfer bf800005.007 to the switch, the switch will log future messages to the bf800005.007 file. This can be avoided by renaming log files to something other than the format used by SMP.



Note: If your TFTP server is a UNIX-based machine, any files written to the server must already exist. For example, you must create dummy files with the same names as your system logs if they are to be saved properly on a UNIX TFTP server. This is commonly done by using the `touch` command (for example, `touch bf800005.001`)

Table 4 User-configurable parameters for triggering of transfer of log file

Parameter	Description	Default value
Minsize	Minimum acceptable free space available on the PCMCIA for logging.	100 KB
Maxsize	Maximum size of the log file on the PCMCIA.	1 MB
maxoccupypercentage	Amount of memory to use for SMP logging when the Maxsize parameter cannot be met.	90%

Transfer criteria

Before logging a system message on the PCMCIA card, SMP calculates the space available for logging according to the parameters defined. Logging either continues on the PCMCIA card, or SMP transfers the existing log to a remote host. When the current log is transferred, a new log file is created on the PCMCIA card. If there is not enough free space on the PCMCIA card (not including the current log file size) for the log to reach the configured `minsize` parameter, SMP transfers the log and begins logging to DRAM until there is enough free space on the PCMCIA card.

Example 1

The Passport 8000 Series switch has been in operation for some time with an 8 MB (8192 KB) PCMCIA card installed.

The configured parameters are as follows:

- `minsize`: 100 KB
- `maxsize`: 2048 KB
- `maxoccupyPercentage`: 90

Current operating parameters are as follows:

- PCMCIA card size: 8192 KB
- Current log file size: 200 KB

There are no files on the PCMCIA card except for the current SMP log file. The system recalculates the allowable log file size as follows:

- Space available to SMP: 8192 KB - 0 KB = 8192 KB
- Allowed log file size: 2048 KB

The current log file will be transferred to a remote host when the log file size reaches the configured `maxsize` of 2048 KB. The `maxoccupyPercentage` parameter does not have any effect in this example, since the space available for SMP is so much greater than the `maxsize` parameter.

Example 2

The Passport 8000 Series switch has been in operation for some time with an 8 MB (8192 KB) PCMCIA card installed.

The configured parameters are as follows:

- minsize: 100 KB
- maxsize: 2048 KB
- maxoccupyPercentage: 90

Current operating parameters are as follows:

- PCMCIA card size: 8192 KB
- Current log file size: 1000 KB

There are some image and configuration files on the PCMCIA card that take up a total of 6144 KB. The system recalculates the allowable log file size as follows:

- Space available to SMP: $8192 \text{ KB} - 6144 \text{ KB} = 2048 \text{ KB}$
- Allowed log file size: $2048 \text{ KB} * 0.90 = 1843 \text{ KB}$

The log file will be transferred to a remote host when it reaches 1843 KB. A transfer is triggered at 1843 KB, rather than 2048 KB, because of the `maxoccupyPercentage` parameter. This parameter, set at 90% in this example, ensures that the PCMCIA card never completely fills to 100% capacity. Therefore, a transfer of the log file is triggered by either `maxsize` or `maxoccupyPercentage`, whichever is reached first.

Example 3

The Passport 8000 Series switch has been in operation for some time with an 8 MB (8192 KB) PCMCIA card installed.

The configured parameters are as follows:

- minsize: 500 KB
- maxsize: 2048 KB
- maxoccupyPercentage: 90

Current operating parameters are as follows:

- PCMCIA card size: 8192 KB
- Current log file size: 200 KB

There are some image and configuration files on the PCMCIA card that take up a total of 7782 KB. The system recalculates the allowable log file size as follows:

- Space available to SMP: $8192 \text{ KB} - 7782 \text{ KB} = 410 \text{ KB}$
- Allowed log file size: $410 \text{ KB} * 0.90 = 369 \text{ KB}$

The log file is immediately transferred to a remote host the next time a log message is generated. Logging to the PCMCIA card also stops, and system logging is continued in DRAM on the CPU.

The allowed log file size is below the set `minsize` parameter for the log. In this scenario, the system transfers the log when it checks the available space on the PCMCIA card before writing the next log message. After the transfer, there are only 410 KB free on the PCMCIA card. Since this is below the set `minsize`, no new messages are saved to the PCMCIA card until more space is available to SMP on the PCMCIA card.

The log file is transferred to a remote host when it reaches 1843 KB. A transfer is triggered at 1843 KB rather than 2048 KB because of the `maxoccupyPercentage` parameter. This parameter, set at 90% in this example, ensures that the PCMCIA card never completely fills to 100% capacity. Therefore, a transfer of the log file is triggered by either `maxsize` or `maxoccupyPercentage`, whichever is reached first.



Note: Make sure you have sufficient space for the SMP log on your PCMCIA card. Smaller amounts of free space for the log cause more frequent TFTP/FTP transfers.

If FTP/TFTP fails, a message indicating the failure is generated. Also, if all the configured hosts are unreachable and the transfer fails, a log message is generated and the logging of messages to the PCMCIA is stopped. Logging continues in the DRAM, and a trap is generated.

After the current SMP log file is transferred to a remote host and the transfer is verified as successful, the SMP log on the PCMCIA card is deleted. A new log file is started, with the extension incremented by 1 (for example, `/pcmcia/bf800005.003` is transferred, then deleted, and `/pcmcia/bf800005.004` is created).

Chapter 2

Setting up SMP using the CLI

This chapter includes the following topics that describe how to set up SMP logs using the CLI:

Topic	Page
Displaying logs by file name, category, severity, and CPU	23
Defining transfer criteria for the log file	24
Configuring the remote host address and file name for log transfer	26
Logging system messages to the PCMCIA card	27

Displaying logs by file name, category, severity, and CPU

To display log information by file name, category, severity, or CPU, enter the following command: (see [Table 5](#))

```
show log file [tail] [name-of-file <value>] [category
<value>] [severity <value>] [CPU <value>] [save-to-file
<value> ]
```

Table 5 SMP log information (Sheet 1 of 2)

show log file [tail]	
followed by:	
name-of-file	Displays the valid logs from the file name specified by the user. This command cannot be used on the current log file (the file into which the messages are currently logged). For example the name of the file could be /pcmcia/logcopy.txt.

Table 5 SMP log information (Sheet 2 of 2)

show log file [tail] followed by:	
category, severity, and CPU	Filters and lists the logs (individually or combined) according to category, severity, and the CPU that generated it. The categories are as shown in Table 1 on page 14 .
save-to-file	Redirects the output to a file specified and removes all encrypted information. The <code>tail</code> option is not supported with the <code>Save-to-file</code> option.

Configuration example

The following configuration example uses the `show log file` commands to show all of the log messages generated by OSPF or IP with severity levels of ERROR or WARNING. The example also displays the log messages from the specified file name, `/pcmcia/sample.txt`.

```
8600# show log file category OSPF|IP severity ERROR|WARNING
cpu CPU3.
8600#show log file name-of-file /pcmcia/sample.txt.
```

Defining transfer criteria for the log file

Use the following CLI command to define transfer criteria for log transfer: (see [Table 6](#))

```
config bootconfig logfile minsize maxsize maxcopyPercentage
```

Table 6 Transfer criteria for log transfer (Sheet 1 of 2)

config bootconfig logfile followed by:	
[minsize]	Minimum size of the log file in KB. The range is 64 KB..500 KB.

Table 6 Transfer criteria for log transfer (Sheet 2 of 2)

config bootconfig logfile followed by:	
[maxsize]	Maximum size of the log file in KB. The range is 500 KB..16384 KB.
[maxoccupyPercentage]	Percentage of free PCMCIA that can be used for the log file. The range is 10..90.

Configuration example

The following configuration example uses the `config bootconfig logfile` commands to specify a minimum SMP log file size of 200 KB, a maximum log file size of 1024 KB, and the percentage of free space on the PCMCIA card that can be used for the log file (90%).

```
8610:5# config bootconfig logfile 200 1024 90
```

You can change these parameters, although they are stored in the boot config file, at any time without rebooting the system. Changes made to these parameters take effect immediately.

Configuring the remote host address and file name for log transfer

Use the following CLI command to configure the remote host address and file name for log transfer: (see [Table 7](#))

```
config log transferFile <id>
```

Table 7 Configuring the remote host address and file name for log transfer

config log transferFile <id> followed by:	
id	Specifies an ID for the log file. The range is 1..10.
add-IP	Adds the IP address of the host to which the log file needs to be transferred. You can configure only a reachable remote host.
filename <str>	Replace <str> with the file name of the file stored in the remote host. If not configured, the current log file name is the default. If this option is set, the previously transferred log file is overwritten on the remote server. Note: Use of this option is not recommended.
info	Shows the configured IP address and the file name for the remote host.
remove-IP	Removes the IP address configured by the user. It is then set to the default (0.0.0.0).



Note: When the PCMCIA card is removed from the master CPU, a trap is generated and system logging continues in DRAM only.

Configuration example

The following configuration example uses the `config log transferFile` commands to add an IP address for a new host.

```

8610:5/config/log# transferFile 1
8610:5/config/log/transferFile/1#
8610:5/config/log/transferFile/1# add-IP 10.10.42.1
8610:5/config/log/transferFile/1# info
Sub-Context:
Current Context:

```

```

RemoteIPAddress : 10.10.42.1
File Name : 39d00005.000

```

If the IP address you are attempting to configure is not reachable, the following message is displayed:

```

Destination IP address not reachable !!! Could not configure

```

Logging system messages to the PCMCIA card

To begin or stop logging system messages on the PCMCIA card, use the following command: (see [Table 8](#))

```

config log logToPCMCIA

```

Table 8 Logging system messages to the PCMCIA card

config log logToPCMCIA followed by:	
true	Begins logging system messages on the PCMCIA card. The following message is returned: <code>Logging to PCMCIA STARTED.</code>
false	Begins logging system messages on the PCMCIA card. The following message is returned: <code>Logging to PCMCIA STOPPED.</code>



Warning: Before removing the PCMCIA card from your master CPU, you must stop logging using the above command. Failure to do so may corrupt the file system on the PCMCIA card and cause your log file to be permanently lost.

Chapter 3

SMP log error messages

This chapter lists SMP error messages in alphabetical order. Each message has a severity level, description, synopsis and, if required, a recommended response.

Message -FATAL- ospf_config_grp_table_notify: malloc failed!

Severity Error

Description This message is generated when the framework-message memory allocation fails.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU.

Action Check memory statistics on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message -FATAL- ospf_lsdb_table_sync: malloc failed! msg len = <length>

Severity Error

Description This message is generated when the framework-message memory allocation fails.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU.

Action Check memory statistics. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL- ospf_route_table_sync: malloc failed!
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	-FATAL- ospf_send_admin_stat_enable_msg: malloc failed!
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	-FATAL- ospfNodeTblSync: malloc failed!
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL-ospfOsCircuitTblEntrySync: malloc failed!
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	-FATAL- ospfsync_area_config_address_range_sync: malloc failed! msg len = <len>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	-FATAL- ospfsync_area_entry_sync: malloc failed! msg len <len>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL- ospfsync_host_route_sync: malloc failed! msg len <length>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	-FATAL- ospfsync_nbma_nbr_entry_notify: malloc failed!
Severity	Error
Description	This message is generated when the framework-message memory allocation fail.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	-FATAL- ospfsync_nbr_entry_notify: malloc failed!
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message -FATAL- remote mirroring data sync: malloc failed!
Severity Error
Description This message is generated when the remote mirroring data cannot synchronize with the slave CPU in HA mode.
Synopsis N/A
Action Redo the remote mirroring configuration on the master CPU or reboot the slave CPU.

Message 2 MLT's per WSM is required!
Severity Info
Description This message is generated when there are no MLTs available. Two MLTs are required for the Web Switching Module to initialize.
Synopsis N/A
Action Free two MLTs on the switch and re-insert the Web Switching Module.

Message Add ARP __ Failed for RSMLT PEER. IP RSMLT is not working properly
Severity Warning
Description This message is generated when RSMLT transfers to Holdup Forward state and it cannot add an ARP entry for peer RSMLT.
Synopsis N/A
Action Contact customer service.

Message Add IP RSMLT temporary default route failed when IST up
Severity Error
Description This message is generated when the IST comes up and the temporary default route cannot be added.
Synopsis N/A
Action Contact customer support.

Message Added Naap Inter-chassis-link port: <port>
Severity Info
Description This message is generated when the port is added to the ICL set.
Synopsis N/A
Action N/A

Message alsClientRegister returns
Severity Error
Description This message is generated if the registering of a client fails. This can be due to unavailable memory spaces for creation of a new memory block for the client.
Synopsis Unable to register client.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message alsWriteClientRecord failed
Severity Error
Description This message is generated if the alsWriteClientRecord fails.
Synopsis The als procedure fails.
Action N/A

Message	arpEventSyncCallback: corrupt message
Severity	Error
Description	This message is generated when there is a software version mismatch between the master CPU and the HA-CPU
Synopsis	Hot-standby static ARP data is not synchronized with the master CPU.
Action	Check software versions between master and HA-CPU. Contact customer service and have the following information available: software version on both CPUs.
Message	arpEventSyncCallback: corrupt message at config Static ARP
Severity	Error
Description	This message is generated when the static ARP synchronization message received by the HA-CPU is NULL.
Synopsis	Hot-standby static ARP data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	arpEventSyncCallback: failed to sync ARP Static Mcast Mac vlan <int> <mac address>
Severity	Error
Description	This message is generated when there is a failure to create a static multicast ARP record on the HA-CPU
Synopsis	Hot-standby ARP data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message arpSyncNotify: failed to sync <int> ARPs
Severity Error
Description This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis Hot-standby ARP data is not synchronized with the master CPU.
Action Check memory statistics on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message arpSyncNotify: failed to sync <int> Static ARP records
Severity Error
Description This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis Hot-standby ARP data is not synchronized with the master CPU.
Action Check memory statistics on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message arpSyncNotify: incompatible size of ARPENT <int> <int> or tArpRec <int> <int>
Severity Error
Description This message is generated when the real size and static size of synchronization data-structure do not match on the master CPU.
Synopsis Hot-standby ARP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: runtime software version on master CPU.

Message arpSyncNotify: malloc failed!
Severity Error
Description This message is generated when the framework-message memory allocation fails.
Synopsis Hot-standby ARP data is not synchronized with the master CPU.
Action Check memory statistics on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message arpTableSyncHandler: corrupt message
Severity Error
Description This message is generated when there is a software version mismatch between master CPU and the HA-CPU.
Synopsis Hot-standby ARP is not synchronized with the master CPU.
Action Check software versions between master and HA-CPU. Contact customer service and have the following information available: software version on both CPUs.

Message arpTableSyncHandler: corrupt msg at Dyn ARP
Severity Error
Description This message is generated when there is a data-structure size mismatch between the master CPU and the secondary CPUs.
Synopsis Hot-standby ARP is not synchronized with the master CPU.
Action Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	arpTableSyncHandler: exceed NVRAM limit during restoring Static ARP
Severity	Error
Description	This message is generated when the static ARP table is full.
Synopsis	Hot-standby ARP is not synchronized with the master CPU.
Action	Check software versions between master and HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	arpTableSyncHandler: mstrkey <int> mismatching my Hash Key <int>
Severity	Error
Description	This message is generated when the hash key calculated on the HA-CPU does not match that of master CPU.
Synopsis	Hot-standby ARP is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	arpTableSyncHandler: unable to save the Static ARP <ipa> to nvram
Severity	Error
Description	This message is generated when creation of the static ARP record on the HA-CPU fails.
Synopsis	Hot-standby ARP is not synchronized with the master CPU.
Action	Check memory statistics on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroAddPortsToMlt: fail rcMltTblGet mlt
Severity	Error
Description	This message is generated when fetching rows from the MLT table fails.
Synopsis	This is an internal error.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	astroAddVlanToTrunk: MltTblGet Error
Severity	Error
Description	This message is generated when an attempt to configure the trunk fails.
Synopsis	Trunk cannot be configured.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	astroAddVlanToTrunk: MltTblGet Error
Severity	Error
Description	This message is generated when rows cannot be fetched from the MLT table.
Synopsis	This is an internal error.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroAssignMgmtVlanIP: Assigned IP to vlan
Severity	Info
Description	This message is generated when IP address is assigned to a VLAN in a non-hidden mode.
Synopsis	IP address assigned.
Action	N/A
Message	astroAssignMgmtVlanIP: fail consistency check
Severity	Error
Description	This message is generated when performing a consistency check on a SET fails.
Synopsis	Consistency check fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	astroAssignMgmtVlanIP: fail vlan set
Severity	Error
Description	This message is generated when setting of a VLAN fails.
Synopsis	VLAN nor set.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astrobootp: Can't queue message!
Severity Error
Description This message is generated when queuing of messages fails.
Synopsis Cannot queue the message.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astrobootp: Failed to create NON-IMC VLAN
Severity Error
Description This message is generated when creation of a VLAN for astro fails.
Synopsis Cannot create VLAN.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astrobootp: Received BOOTP Req from Slot
Severity Error
Description This message is generated when mode is not hidden.
Synopsis Mode invalid
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astrobootp: Received BOOTP Req from Slot
Severity Error
Description This message is generated when an invalid slot is selected.
Synopsis Slot invalid
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroBootp: Slot __ - assigned __
Severity Info
Description This message is generated to specify slot number and the new IP address.
Synopsis N/A
Action N/A

Message astroBootpInit: Can't create!
Severity Error
Description This message is generated when an attempt to create a semaphore, which is used to control re-entrance to the routing process, fails.
Synopsis The semaphore creation fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroBootpInit: Fail to create msg queue for PreConfigTask
Severity Error
Description This message is generated when an attempt to create the message queue for PreConfigTask fails.
Synopsis Message queue creation fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroChkEntry: Can't notify IMC!
Severity Error
Description Communication with Web Switching Module is not possible. (Unable to send message to WSM message queue).
Synopsis The semaphore creation fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroChkEntry: IP already assigned
Severity Info
Description This message is generated when mode is not hidden.
Synopsis Mode invalid
Action N/A

Message astroChkEntry: Removed previous info and restart
Severity Info
Description This message is generated when mode is not hidden.
Synopsis Mode invalid
Action N/A

Message astroCreateVlan: Created VLAN
Severity Info
Description This message is generated when creation of a VLAN results in non-hidden mode.
Synopsis A VLAN was created.
Action N/A

Message astroCreateVlan: Failed to Create VLAN
Severity Error
Description This message is generated when creation of a VLAN fails.
Synopsis Cannot create VLAN.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroGetMlt 1: Failed to configure trunk
Severity Error
Description This message is generated when attempt to configure the trunk fails.
Synopsis The trunk cannot be configured.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroGetMlt: No more MLT to configure this WSM card
Severity Error
Description This message is generated when grabbing of two MLTs fails.
Synopsis No Free MLT to grab.
Action Free unused MLTs.

Message	astroInformIMC for Slot __
Severity	Info
Message	This message is generated when the requested slot number and requested IP address match the parameters in the database, and the bootp to IMC trigger results in non-hidden mode.
Synopsis	BOOTP triggered IMC for Web Switching Module in the mentioned slot.
Action	N/A
Message	astroInformIMC: bootp to IMC trigger failed
Severity	Error
Description	This message is generated when the requested IP address matches the IP address in the database and bootp to IMC trigger fails.
Synopsis	The trigger fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	astroInformIMC: erroneous invocation
Severity	Error
Description	This message is generated when a requested IP address does not match the address in the database.
Synopsis	IP address mismatch.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroInformIMC: slot number does not match
Severity Error
Description This message is generated when a requested slot number does not match the slot number in the database.
Synopsis Slot mismatch.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroootp: failed to get NewIpAddress
Severity Error
Description This message is generated when an attempt to get a new IP address has fails. (The database may be corrupted.)
Synopsis Cannot get IP address.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroPreConfig 1 Slot __: Failed to add ports to IMC mlt
Severity Error
Description This message is generated when adding ports to IMC MLT fails.
Synopsis Ports are not added to IMC MLT.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroPreConfig 1 Slot __: Failed to add vlan
Severity Error
Description This message is generated when addition of a VLAN to a trunk fails.
Synopsis Addition of VLAN fails.
Action Check VLAN configuration. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroPreConfig 1 Slot __: Failed to add vlan: __ to mlt
Severity Error
Description This message is generated when adding VLAN to MLT fails.
Synopsis VLAN is not added.
Action Try to add VLAN to MLT or Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroPreConfig 2 Slot __: Failed to add ports to NON_IMC mlt
Severity Error
Description This message is generated when adding ports to NON IMC MLT fails.
Synopsis Ports are not added.
Action Try to add VLAN to non IMC MLT. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroPreConfig Slot %d: Failed to enable tagging on MLT
Severity Error
Description This message is generated when tagging on the MLT fails.
Synopsis MLT assigned for Web Switching Module is not being tagged.
Action Enable tagging on the MLT.

Message astroPreConfig Successful for slot
Severity Info
Description Successfully created the MLT and added the ports and assigned VLANS for Web Switching Module communication.
Synopsis N/A
Action N/A

Message astroPreConfig: Failed to get 2 MLTs for slot
Severity Error
Description This message is generated when two MLTs are not available for a slot.
Synopsis MLTs not free.
Action Free MLT. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroPreConfig:Got MLTs
Severity Info
Description This message is generated when two MLTs are available.
Synopsis N/A
Action N/A

Message AstroPreConfigTask - Init failed
Severity Error
Description This message is generated when the task, which kicks off to handle pre-configuration setup, could not be spawned off.
Synopsis Spawning of task fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroPreConfigTask: Invalid slot #
Severity Error
Description This message is generated when slot number is invalid.
Synopsis Invalid slot number.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroReleaseTrunk: Failed to Remove Trunk
Severity Error
Description This message is generated when truck removal fails.
Synopsis Trunk not removed.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroReleaseTrunk: Removed Trunk
Severity Info
Description This message is generated when the trunk is removed.
Synopsis N/A
Action N/A

Message astroSendBootPReply: Unable to allocate an output buffer
Severity Error
Description This message is generated when memory allocation fails.
Synopsis Cannot allocate memory dynamically.
Action Close all CLI sessions to free the memory.

Message astroSetPortDefaultVlan: failed consistency check
Severity Error
Description This message is generated when consistency check fails for a port.
Synopsis Consistency check fails.
Action Port should be in the valid range and not part of MLT. If ATM is present, then port tagging should be enabled. If POS port & BCP is present, then tagging should be disabled. Check whether port is configurable, single-routable, or locked. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroSetPortDefaultVlan: failed set
Severity	Error
Description	This message is generated during the pre-configuration at system initialization when setting of the specified default VLAN for the specified Web Switching Module port fails.
Synopsis	Cannot set default VLAN.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	astroTrunkPerformTag: fail to tag mlt
Severity	Error
Description	This message is generated when tagging of an MLT fails.
Synopsis	MLT could not be tagged.
Action	Check MLT configuration. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	astroUpdateBackFacingTrunk: can't take semaphore
Severity	Error
Description	This message is generated when taking of semaphore fails.
Synopsis	Getting semaphore fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroUpdateCurrConn: conn count negative
Severity Error
Description This message is generated when the number of outstanding connections to a Web Switching Module is less than zero.
Synopsis No established connection.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message astroWSMInserted in slot
Severity Info
Description This message is generated when a Web Switching Module is inserted successfully in non-hidden mode.
Synopsis Card inserted.
Action N/A

Message astroWSMRemoved from slot number __
Severity Info
Description This message is generated when a Web Switching Module is removed successfully in non-hidden mode.
Synopsis Card removed.
Action N/A

Message	astroWSMRemoved: Can't notify IMC
Severity	Error
Description	This message is generated when a Web Switching Module is pulled out.
Synopsis	Hardware detached.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	autoSavePcapData: Memory not available to save all packets. Saving only <number-of-packets-saved> of <total-number-of-packets> packets
Severity	Info
Description	This message is generated when PCAP tries to perform an autosave and determines that there is insufficient memory in PCMCIA to store all packets.
Synopsis	N/A
Action	Free some memory in PCMCIA.
Message	avpair_get Unknown attribute x
Severity	Error
Description	A RADIUS attribute unknown to the switch is being looked up.
Synopsis	Unknown attribute in received RADIUS packet or sent packet.
Action	Verify that the sent and received RADIUS packets contain known attributes.

Message Bkend state of Port -- - Recd accept from server
Severity Info
Description This message is generated when the 8021x Backend Authentication State Machine receives an Access-Accept message from the RADIUS server.
Synopsis RADIUS server sent Access-Accept message for the user on specified port.
Action No action necessary.

Message Bkend state of Port -- - Recd EAP request from Server
Severity Info
Description This message is generated when the 8021x Backend Authentication State Machine receives an EAP request from the RADIUS server.
Synopsis RADIUS server sent the EAP Request packet for the user on specified port.
Action No action necessary.

Message Bkend state of Port -- - Recd Reject from server
Severity Info
Description This message is generated when the 8021x Backend Authentication State Machine receives an Access-Reject message from the RADIUS server.
Synopsis RADIUS server sent Access-Reject message for the user on specified port.
Action No action necessary.

Message	Bkend state of Port -- - Recd Response from supplicant
Severity	Info
Description	This message is generated when the 8021x Backend Authentication State Machine receives a response from the supplicant.
Synopsis	Supplicant sent the EAP Response packet for the user on specified port.
Action	No action necessary.

Message	cannot allocate PCAP filterlist index object
Severity	Fatal
Description	This message is generated when the PCAP filter table initialization fails.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	Cannot create message queue for radius snmp accounting Radius Snmp accounting not enabled
Severity	Error
Description	Unable to acquire software resource for handling accounting messages.
Synopsis	Software resource error.
Action	Contact customer service.

Message Can not Allocate Memory for SNMP EngineId String
Severity Error
Description This message is generated when the system is out of memory while executing the software.
Synopsis System is out of memory.
Action Report the problem.

Message Can not allocate remote mirroring packet list index object
Severity Fatal
Description This message is generated when the switch fails to allocate an index list for storing the remote-mirroring-packet list.
Synopsis Cannot allocate index list.
Action This reboots the switch.

Message Can not allocate remote mirroring port list index object
Severity Fatal
Description This message is generated when the switch fails to allocate an index list for storing the remote mirroring port list.
Synopsis Cannot allocate index list
Action This reboots the switch.

Message Can not add an arp entry to a non-existing port
Severity Info
Description This message is generated when a port is not found to add entry into ARP table.
Synopsis Cannot add new entry in ARP table.
Action Check the configuration for the port.

Message	Can not add any more entries in the table max reached
Severity	Error
Description	This message is generated when the given entry index (on which entry has to be added) is greater than the maximum possible size of the UdpProtocolTbl table.
Synopsis	Index out of range for UdpProtocolTbl table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	can not add any more entries in the UdpConfBcastIntfTbltable max
Severity	Error
Description	This message is generated when the given entry index (on which entry has to be added) is greater than the maximum possible size of the UdpConfBcastIntfTbltable table.
Synopsis	Index is out of range for UdpConfBcastIntfTbltable table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	can not add entry as the table is in use
Severity	Error
Description	This message is generated when the UdpProtocolTbl is in use by another process and no new entry can be added.
Synopsis	Cannot update the table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message can not add entry to UdpConfBcastIntfTbl as it is in use
Severity Error
Description This message is generated when table UdpConfBcastIntfTbl is in use by another process and no new entry can be added.
Synopsis Cannot update the table.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message can not allocate filter index object
Severity Error
Description This message is generated when creation of an index object returns NULL.
Synopsis Dynamic memory allocation fails.
Action Close all CLI sessions to free the memory.

Message can not allocate filter index object
Severity Fatal
Description This message is generated when memory allocation for the filter index link list fails due to low memory.
Synopsis Unable to allocate memory for index linked list.
Action Increase DRAM size. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message can not allocate filter link list object
Severity Error
Description This message is generated when the request to allocate a doubly linked list management structure returns NULL.
Synopsis Dynamic memory allocation fails.
Action Close all CLI sessions to free the memory.

Message can not allocate filter link list object
Severity Fatal
Description This message is generated if the memory allocation for the filter link list database fails.
Synopsis Unable to allocate memory for filter link list.
Action Increase DRAM size. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message can not allocate group index object
Severity Fatal
Description This message is generated when the DRAM memory is exhausted while initializing the IGMP group list.
Synopsis DRAM memory unavailable for group link list.
Action Increase DRAM memory size.

Message can not allocate group link list object
Severity Fatal
Description This message is generated when the DRAM memory is exhausted while initializing the IGMP group list.
Synopsis DRAM memory unavailable for group link list.
Action Increase DRAM memory size.

Message can not allocate id stack object for Udp PortFwd tbl
Severity Fatal
Description This message is generated when allocation and initialization of the stack with a given stack size fails.
Synopsis Dynamic memory allocation fails.
Action Close all CLI sessions to free the memory.

Message can not allocate OSPF access head
Severity Fatal
Description This message is generated if the system runs out of DRAM memory.
Synopsis Insufficient DRAM memory.
Action Close all CLI sessions to free the memory.

Message can not allocate OSPF access head avl head object
Severity Fatal
Description This message is generated if the system runs out of DRAM memory.
Synopsis Insufficient DRAM memory.
Action Close all CLI sessions to free the memory.

Message can not allocate rcip_route_index object
Severity Fatal
Description The system cannot allocate memory for the RCIP object.
Synopsis Unable to allocate memory for RCIP route object.
Action Increase DRAM size. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message can not allocate RIP access head
Severity Fatal
Description This message is generated whenever initial memory allocation for RIP entries is not successful.
Synopsis Dynamic memory allocation fails.
Action Close all CLI sessions to free the memory. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message can not allocate RIP access head avl head object
Severity Fatal
Description This message is generated whenever initial memory allocation for RIP entries is not successful.
Synopsis Dynamic memory allocation fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Can not config card due to condition specified
Severity Info
Description This message is generated when a card cannot be configured because of specified conditions.
Synopsis Card is not configured.
Action N/A

Message Can not configure card. Please remove and insert again.
Severity Error
Description This message is generated to specify that the card should be removed and reinserted.
Synopsis Cannot configure card.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Can not config WSM blade due to condition specified
Severity Info
Description This message is generated when it is not possible to configure a Web Switching Module because of specifications.
Synopsis N/A
Action N/A

Message	Can not delete ARP entry __ of IP RSMLT Peer when forwarding for peer stop
Severity	Warning
Description	This message is generated when the user stops forwarding to the Peer and the system cannot delete the ARP entry of the IP RSMLT Peer.
Synopsis	N/A
Action	Contact customer service if problem persists.
Message	Can not delete ARP entry __ of IP RSMLT Peer when holdup forward to forward
Severity	Warning
Description	This message is generated when the RSMLT state changes from Holdup Forward to Forward and it cannot delete the ARP entry added for the IP RSMLT Peer.
Synopsis	N/A
Action	Contact customer service.
Message	can not delete entry - UdpPortFwdListTable is already in use
Severity	Error
Description	This message is generated when deletion of an entry from the table UdpPortFwdListTable fails.
Synopsis	Deletion fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Can not delete IMC STG after all WSM blades removed
Severity Error
Description This message is generated when deletion of Spanning Tree Groups fails after removal of all Web Switching Module blades.
Synopsis Cannot remove Spanning Tree Groups.
Action Check power cycle or reset the 8600 chassis.

Message can not remove entry UdpConfBcastIntfTbl is in use
Severity Error

Message This message is generated when the table cannot be updated or deleted because the UdpConfBcastIntfTbl is in use by another process.

Synopsis Cannot update the table.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message can not search for entry in UdpConfBcastIntfTbl is in use
Severity Error

Description This message is generated when the table cannot be searched because the UdpConfBcastIntfTbl is in use by another process.

Synopsis Cannot search the table.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Can not Set IPX routing on MAC addr = __ of IP RSMLT Peer when forwarding for peer
Severity	Warning
Description	This message is generated when the IPX routing bit for the MAC address cannot be set.
Synopsis	Failed to set IPX routing.
Action	Contact customer service if problem persists.
Message	Can not set max ecmp paths number without enabling ECMP feature first
Severity	Error
Description	This message is generated when ECMP is not enabled.
Synopsis	ECMP is not enabled.
Action	Enable ECMP.
Message	Can not turn off IP Routing on MAC Addr = __ of IP RSMLT Peer When Stop Forwarding For Peer
Severity	Warning
Description	This message is generated when the IPX routing bit for a MAC address cannot be turned off.
Synopsis	Failed to turn off IPX routing bit.
Action	Contact customer service if problem persists.

Message Can not turn off IP Routing on MAC Addr = __ of IP RSMLT Peer When Stop Forwarding For Peer

Severity Warning

Description This message is generated when the user stops forwarding to the Peer and the system cannot turn off IP routing on the MAC address record of the IP RSMLT Peer.

Synopsis N/A

Action Contact customer service.

Message Can not turn on IP routing on MAC Addr = __ of IP RSMLT Peer when forwarding for peer

Severity Warning

Description This message is generated when the user stops forwarding to the Peer and the system cannot turn on IP routing on the MAC address record of the IP RSMLT Peer.

Synopsis N/A

Action Contact customer service.

Message Can't disable Enforcement on Non-Enabled Vlan <vlan-id>

Severity Error

Description This message is generated when Enforcement is not enabled in the specified VLAN.

Synopsis N/A

Action N/A

Message	Card taken off-line by Smart-cpld watch-dog timer: Slot=<slot-num> Type = <card-type>
Severity	Error
Description	This message is generated if the switch is operating when the I/O card is taken offline by the smlt-on-single-cp feature.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.
Message	Card was taken offline by SMLT on Single CP timer when the switch was booted last time Slot=<slot-num>
Severity	Info
Description	This message is generated when the I/O card was taken offline by smlt-on-single-cp feature when the switch was booted last time.
Synopsis	N/A
Action	N/A
Message	circlessIpSyncNotify Failed to notify circuitless IP Entries
Severity	Error
Description	This message is generated when synchronizing of circuitless IP interface information to to HA-CPU fails.
Synopsis	Hot-standby IP data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message circlessIpSyncNotify: Mismatch between number of circuitless IP entries send= <int> and existing= <int>

Severity Error

Description This message is generated when not all of the circuitless IP interfaces are synchronized with the HA-CPU.

Synopsis Hot-standby IP data is not synchronized with the master CPU.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Closed NAAP CLI session # <session id> with NAAP Peer <peer mac>

Severity Info

Description This message is generated when the NAAP CLI session is closed.

Synopsis N/A

Action N/A

Message Closed rlogin connection from <ip-address> user <user-name>

Severity Info

Description This message is generated when an rlogin connection to the switch terminates.

Synopsis N/A

Action N/A

Message	Closed telnet connection from <ip-address> user <user-name>
Severity	Info
Description	This message is generated when a telnet connection to the switch terminates.
Synopsis	N/A
Action	N/A
Message	cluster_event_handler: corrupt msg
Severity	Error
Description	This message is generated when an HA-synchronization-event synchronization message was corrupted.
Synopsis	N/A
Action	Reboot the slave CPU. Reboot the master CPU if the problem persists.
Message	cluster_event_handler: Unrecognized message type <type>
Severity	Error
Description	This message is generated when an invalid message is received by the slave CPU during HA transfer.
Synopsis	N/A
Action	The slave CPU software version may differ from the master CPU software version. Contact customer service if the problem persists.
Message	clusterSetCluster:malloc failed
Severity	Error
Description	This message is generated when memory allocation fails.
Synopsis	N/A
Action	Reboot and redo cluster configuration.

Message Console on LaunchPad Blade: <slot> set to <minislot>
Severity Info
Description This message is generated when the console connected from the Service Delivery Module (SDM) blade points to the minislot.
Synopsis N/A
Action N/A

Message Copy PCAP data requested from Primary CPU Completed!!
Severity Info
Description This message is generated in the PCAP engine when the `copy` command request from the master CPU is successful.
Synopsis N/A
Action N/A

Message Copy PCAP data requested from Primary CPU failed!!
Severity Error
Description This message is generated in the PCAP engine when the `copy` command request from the master CPU fails.
Synopsis The IP address may be unreachable or there may be a device error.
Action Refer to logs of `copy` command.

Message Could not add mac <mac> to cluster
Severity Warning
Description This message is generated when there is a failure to add the MAC to the cluster.
Synopsis N/A
Action N/A

Message could not add the entry for UDP
Severity Warning
Description This message is generated when addition of an entry for the UDP port into the UDP protocol table fails.
Synopsis Cannot add entry in UDP port forward table.
Action Remove unwanted or stale entries. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Could not find the Ip Rec for Index
Severity Error
Description This message is generated whenever the system tries to read the memory location of an exiting IP record.
Synopsis The IP record for the Interface Index passed is NULL.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Could not get the area structure for aId= _._._._
Severity Warning
Description This message is generated if an invalid or null area is passed for the decoupling of OSPF.
Synopsis Invalid OSPF area.
Action Area not present, no action required.

Message	Could not get the area structure for AreaId
Severity	Warning
Description	This message is generated if the area ID for the pointer to the area structure is displayed as NULL.
Synopsis	Area structure is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	Could not get the area structure for AreaId=_._._._.
Severity	Warning
Description	This message is generated if an invalid OSPF area ID is encountered.
Synopsis	Invalid OSPF encountered.
Action	NA
Message	Couldn't Add Even ISD_PORTS to NAAP_STG
Severity	Error
Description	This message is generated when the system cannot add an ISD port to the NAAP Spanning Tree Groups.
Synopsis	N/A
Action	Add the ISD ports to the NAAP Spanning Tree Groups manually and retry the command.

Message Couldn't Add Even ISD_PORTS to NAAP_VLAN
Severity Error
Description This message is generated when the system cannot add an ISD port to the NAAP VLAN.
Synopsis N/A
Action Add the ISD ports to the NAAP VLAN manually and retry the command.

Message Couldn't Add Odd ISD_PORTS to NAAP_STG
Severity Error
Description This message is generated when the system cannot add an ISD port to the NAAP Spanning Tree Groups.
Synopsis N/A
Action Add the ISD port to the NAAP Spanning Tree Groups manually and retry the command.

Message Couldn't allocate buffer memory
Severity Error
Description This message is generated when the memory allocation fails.
Synopsis N/A
Action Retry after a brief interval. Restart the switch fabric if the problem persists.

Message Couldn't disable tagging on LP Slot:<slot> MiniSlot:<slot>
Port_0

Severity Error

Description This message is generated when the system cannot disable
tagging on the ISD port (port 0).

Synopsis N/A

Action Disable tagging from port configuration and retry the command.

Message Couldn't disable tagging on LP Slot: <slot> MiniSlot: <slot>
Port_1

Severity Error

Description This message is generated when the system cannot disable
tagging on the ISD port (port 1).

Synopsis N/A

Action Disable tagging from port configuration and retry the command.

Message Couldn't enable tagging on LaunchPad Slot: <slot> MiniSlot:
<slot> Port <port number>

Severity Error

Description This message is generated when the system cannot enable tagging
on the ISD port.

Synopsis N/A

Action Enable tagging from port configuration and retry the command.

Message	Couldn't <ONLINE/OFFLINE> LaunchPad Blade - Slot <slot> MiniSlot <minislot>
Severity	Error
Description	This message is generated when the Service Delivery Module (SDM) blade cannot be put online or taken offline.
Synopsis	N/A
Action	Check to determine if ISD is present in the specified slot/ minislot.
Message	Couldn't <ONLINE/OFFLINE> LaunchPad Blade - Slot <slot>
Severity	Error
Description	This message is generated when the Service Delivery Module (SDM) blade cannot be put online or taken offline.
Synopsis	N/A
Action	Check to determine if SDM is present in the specified slot.
Message	Couldn't Remove Odd ISD_PORTS from NAAP_STG
Severity	Error
Description	This message is generated when the system cannot remove the ISD ports from the NAAP Spanning Tree Groups.
Synopsis	N/A
Action	N/A
Message	Couldn't set Console on slot: <slot> minislot <minislot>
Severity	Error
Description	This message is generated when the console cannot be set.
Synopsis	N/A
Action	Check to determine if ISD is present in the specified slot/ minislot.

Message creating mb5 key for id <id> failed
Severity Error
Description Creation of MD5 key fails on the HA-CPU
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Check memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration.

Message cXcInit: Can't create mutex semaphore!
Severity Fatal
Description This message is generated when the switch fails to create a semaphore for the cXc channel.
Synopsis N/A
Action Contact customer service for further troubleshooting.

Message cXcInitStandby: Can't create receive task!
Severity Fatal
Description This message is generated when the cXc channel cannot be created.
Synopsis N/A
Action Contact customer service for further troubleshooting.

Message cXcListen: can't accept socket
Severity Error
Description This message is generated when the cXc channel cannot accept the connection.
Synopsis N/A
Action Contact customer service for further troubleshooting.

Message cXcListen: can't bind socket
Severity Error
Description This message is generated when the cXc channel cannot bind to the socket to listen to the request from the Master CPU.
Synopsis N/A
Action Contact customer service for further troubleshooting.

Message cXcListen: Unknown message type
Severity Error
Description This message is generated when the cXc channel receives a message of unknown type.
Synopsis N/A
Action Contact customer service for further troubleshooting.

Message cXcSendFrame: Can't take semaphore!
Severity Error
Description This message is generated when the switch fails to get the semaphore to send a request on the cXc channel.
Synopsis N/A
Action Contact customer service for further troubleshooting.

Message cXcSendFrame: can't write to peer <ip address>
Severity Error
Description This message is generated when the cXc channel fails to send the data to the slave CPU.
Synopsis N/A
Action Contact customer service for further troubleshooting.

Message Dead interval __ is not a multiple of __
Severity Warning
Description This message is generated when the dead interval entered is not a multiple of the OSPF hello interval.
Synopsis Improper dead interval entered.
Action Enter a valid dead interval multiple of the OSPF hello interval.

Message delete MAC record __ of IP RSMLT Peer Failed When Stop Forwarding For Peer
Severity Warning
Description This message is generated when the user stops forwarding to the Peer and the system cannot delete the MAC record of the IP RSMLT Peer.
Synopsis N/A
Action Contact customer service.

Message Deleted Naap Vlan IP address
Severity Info
Description This message is generated when the IP address is deleted from NAAP VLAN.
Synopsis N/A
Action N/A

Message detected bad timer_cum logic

Severity Error

Description This message is generated when there is no OSPF timer to link or when there is a bad timer.

Synopsis Bad timer and invalid logic

Action Rerun OSPF. Contact customer service, if the problem persists, and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message detected loop - 1: timer __ TRYING TO LINK A TIMER THAT ALREADY EXISTS

Severity Error

Description This message is generated when the system tries to link a timer that already exists.

Synopsis Linking a timer that already exists.

Action Upgrade the software. This is an internal protocol error.

Message detected loop - 2: timer 0x%x TRYING TO LINK A TIMER THAT ALREADY EXISTS

Severity Error

Description This message is generated when the system tries to link a timer that already exists.

Synopsis Linking a timer that already exists.

Action Upgrade the software. This is an internal protocol error,.

Message detected loop in ospfLink
Severity Error
Description This message is generated when the OSPF timer link run exceeds the existing number of timers.
Synopsis There is a loop in the OSPF link.
Action Rerun OSPF. Contact customer service, if the problem persists, and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.due to insufficient MLT's.

Message dhcpSyncNotify: failed to sync dhcp conf record
Severity Error
Description This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis Hot-standby IP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message dhcpSyncNotify: malloc failed!
Severity Error
Description This message is generated when the framework-message memory allocation fails.
Synopsis Hot-standby IP data is not synchronized with the master CPU.
Action Check memory statistics on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Didn't get back a Link Level ACK after <#> retries for Seq#:<seq no>
Severity	Info
Description	This message is generated when a Link Level Ack was not received from the NAAP Peer .
Synopsis	N/A
Action	Determine whether the NAAP Peer is operating and restart the NAAP Peer device if required.
Message	EapApplyVlanAndPri: unable to add port -- to vlan --
Severity	Error
Description	This message is generated when the system encounters an unexpected error while trying to add the 8021x authorized port to the VLAN returned by the RADIUS server.
Synopsis	The System encountered an unexpected error.
Action	Report the problem.
Message	EapApplyVlanAndPri: Unable to set Qos priority -- for port --
Severity	Error
Description	This message is generated when the system encounters an error while it tries to apply the QOS priority returned by the RADIUS server to the 8021x authorized port.
Synopsis	The system encounters an error or an invalid QOS priority value is returned by the RADIUS server.
Action	Verify that QOS priority configured on the RADIUS server is valid.

Message eapInitTx: malloc failed for buf
Severity Error
Description This message is generated when the system runs out of memory while executing the software.
Synopsis The system is out of memory.
Action Report the problem.

Message EapProcessPktFromSupp: malloc failed!
Severity Error
Description This message is generated when the system runs out of memory while executing the software.
Synopsis The system is out of memory.
Action Report the problem.

Message EapTransmitEapolPkt: Can't send frame!
Severity Error
Description This message is generated when the system encounters an unexpected error while sending ~~out~~ an EAPOL frame out of a port.
Synopsis System error.
Action Report the problem.

Message Enforcement DISABLED on VlanId <vlan>
Severity Info
Description This message is generated when enforcement is disabled on the VLAN.
Synopsis N/A
Action N/A

Message ERROR::EXPANDER ACCESS not successful
Severity Error
Description This message is generated when the Service Delivery Module (SDM) blade is not read.
Synopsis N/A
Action Re-insert the Service Delivery Module (SDM) blade. Contact customer service if the problem persists.

Message Error Could not enable radius SNMP accounting Task radSnmpAcct not spawned
Severity Error
Description This message is generated when the system cannot create a task to handle the RADIUS accounting requests.
Synopsis Software resource error.
Action Contact customer service.

Message Error - Fail STG consistency check
Severity Error
Description This message is generated when the Spanning Tree Groups consistency check fails.
Synopsis Fields in the Spanning Tree Groups table entry might be corrupted.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Error - Fail to create STG __ for mgmt VLAN
Severity Error
Description This message is generated when the setting of a row on the Spanning Tree Groups Table fails.
Synopsis Fields in the Spanning Tree Groups table entry may be corrupted.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Error - Fail to delete STG
Severity Error
Description This message is generated when deletion of an Spanning Tree Groups fails.
Synopsis Cannot delete Spanning Tree Groups.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Error - Fail to delete VLAN
Severity Error
Description This message is generated when deletion of a VLAN fails.
Synopsis Cannot delete VLAN.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Error in deleting task radSnmpAcct
Severity	Error
Description	This message is generated when the system cannot delete the task created to handle the RADIUS accounting requests.
Synopsis	Software resource error.
Action	Contact customer service.
Message	Error in initializing FwdListId object
Severity	Error
Description	This message is generated when allocation for the Fwd List Id object to store the Fwd List Ids fails.
Synopsis	Dynamic memory allocation fails.
Action	Close all CLI sessions to free the memory.
Message	Error in rcPcapFilterTblEntryAdd
Severity	Error
Description	This message is generated when memory allocation fails while the user is trying to add a new entry in PCAP filter table.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.
Message	error in reading data from PCMCIA
Severity	Info
Description	This message is generated when PCAP attempts autosave to PCMCIA and it cannot read the PCMCIA.
Synopsis	N/A
Action	Insert a PCMCIA card in the switch or set the autosave path to the network.

Message Error in vlanRemoteMirroringPacketListEntryAdd
Severity Error
Description This message is generated when there is an error in adding the remote-mirroring-packet to the linked list.
Synopsis N/A
Action Disable and re-enable remote mirroring.

Message fail config STG for mgmt VLAN
Severity Error
Description This message is generated when an attempt to create Spanning Tree Groups for a specified VLAN fails.
Synopsis Cannot create Spanning Tree Groups.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message failed deleting a route in rcIpRouteTblSet()
Severity Error
Description This message is generated when deletion of a route fails.
Synopsis Cannot delete the route.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Failed to add Broadcast Mac to NAAP VLAN
Severity Error
Description This message is generated when the broadcast MAC is not added to the NAAP VLAN.
Synopsis N/A
Action Disable NAAP and retry. Contact customer service if the problem persists.

Message Failed to add Naap Mac to NAAP VLAN
Severity Error
Description This message is generated when the NAAP MAC is not added to the NAAP VLAN.
Synopsis N/A
Action Disable NAAP and retry. Contact customer service if the problem persists.

Message Failed to assign IP address to mgmt VLAN
Severity Error
Description This message is generated when IP address assignment to management VLAN fails during the pre-configuration on system initialization.
Synopsis Cannot assign IP address.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Failed to create IMC VLAN
Severity Error
Description This message is generated when creation of IMC VLAN fails during the pre-configuration on system initialization.
Synopsis Cannot create VLAN.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Failed to create STG for IMC VLAN
Severity Error
Description This message is generated when creation of Spanning Tree Groups for IMC fails during the pre-configuration on system initialization.
Synopsis Cannot create Spanning Tree Groups.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Failed to Enable Enforcement on Vlan: <vlan>
Severity Error
Description This message is generated when enforcement on VLAN cannot be enabled.
Synopsis N/A
Action Ensure that VLAN <vlan> exists on the PP8600 as a firewall VLAN.

Message Failed to find a unused IP address
Severity Error
Description This message is generated when an attempt to get an unused IP address fails.
Synopsis Search fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message failed to get SSL traffic stats - slot <slot-num>
Severity Warning
Description This message is generated when the Passport 8600 misses six consecutive heart-beat messages from SAM and it cannot get the statistics of the SAM port.
Synopsis N/A
Action N/A

Message Failed to remove Broadcast Mac to NAAP VLAN
Severity Error
Description This message is generated when the Broadcast MAC cannot be removed from the NAAP VLAN.
Synopsis N/A
Action See the FDB entry in the NAAP VLAN. If the MAC entry is found, remove it manually.

Message Failed to remove Naap Mac to NAAP VLAN
Severity Error
Description This message is generated when the NAAP MAC cannot be removed from the NAAP VLAN.
Synopsis N/A
Action See the FDB entry in NAAP VLAN. If the MAC entry is found, remove it manually.

Message failed to set default vlan id for SSL port
Severity Error
Description This message is generated when the default VLAN ID cannot be set correctly for the SAM port, either during the initialization of the card or when the port is added to a new VLAN.
Synopsis N/A
Action Reset the card by pulling out and re-inserting it or using the `sam samreset <slot-num>` command.

Message Failed to set Enforcement status for VlanId <vlan>
Severity Error
Description This message is generated when there is a failure to set the enforcement status for VLAN.
Synopsis N/A
Action Ensure that VLAN <vlanid> exists on the PP8600 as a firewall VLAN.

Message	Failed to set Enforcement status for VlanId <vlanid>
Severity	Info
Description	N/A
Synopsis	N/A
Action	Ensure that VLAN <vlanid> exists on the PP8600 as a firewall VLAN.

Message	Failure to do so will cause incorrect behavior
Severity	Info
Description	Cannot configure a Web Switching Module due to condition specified.
Synopsis	N/A
Action	N/A

Message	FATAL- vlanTblEntrySync: malloc failed!
Severity	Error
Description	This message is generated when the system cannot allocate memory for the VLAN table entry. This is due to the unavailability of memory while the system performs table-based synchronization of the IP address assigned to a VLAN.
Synopsis	Unable to allocate memory for the VLAN entry.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message file already present in PCMCIA
Severity Info
Description This message is generated when PCAP tries to save captured packets to the PCMCIA (autosave) file, which is already present, and PCMCIAWRAP is false.
Synopsis N/A
Action Set Pcmcia Wrap to TRUE or remove the file from PCMCIA.

Message Filter Unknown message type
Severity Error
Description This message is generated on the hot-standby when the filter entity receives an unidentified HA framework message during table or event-based synchronization.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Firewall Module not yet Initialized.
Severity Error
Description This message is generated when the firewall module is not initialized.
Synopsis N/A
Action Initialize the firewall module and then execute the command.

Message	FloodLSA: invalid - circuit
Severity	Fatal
Description	This message is generated when the system finds that the interface for flooding the LSA is NULL.
Synopsis	NULL interface encountered when trying to flood LSAs.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration and network topology for further analysis.
Message	framework: emptied the Event Queue...
Severity	info
Description	This message is generated during table sync/HA-CPU failover when postponed events are queued to be processed after table sync/HA-CPU failover. This message is logged when the events are processed.
Synopsis	N/A
Action	None
Message	Free up MLT and re-insert card
Severity	Info
Description	This message is generated as a possible solution for iPreConfigTask: Slot __ NO pre-configured.
Synopsis	N/A
Action	N/A

Message gen_valpair FATAL out of memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory.
Action Contact customer service if the problem persists.

Message gen_valpairs<string> Unknown Type
Severity Error
Description This message is generated when a RADIUS attribute unknown to the switch is sought.
Synopsis Unknown attribute in received or sent RADIUS packet.
Action Verify that the sent and received RADIUS packets contain known attributes.

Message Gratuitous Arp is not sent out for IP RSMLT node for IfIndex ___
Severity Error
Description This message is generated when the gratuitous ARP is not sent out for the IP RSMLT node.
Synopsis N/A
Action Contact customer service.

Message HA-CPU LSDB sanity check: area checksum total mismatch.
area id <ipa> master value = <hex> ha-cpu value = <hex>

Severity Warning

Description This message is generated when the LS checksum total in area is not synchronized between the CPUs.

Synopsis LSAs in area are not synchronized between the CPUs.

Action Compare LSAs in that area between the CPUs. Reboot HA-CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message HA-CPU LSDB sanity check: AS external checksum total mismatch. master value = <hex> ha-cpu value = <hex>

Severity Warning

Description This message is generated when there is an OSPF AS external checksum total mismatch between the CPUs.

Synopsis AS externals are not synchronized between the CPUs.

Action Compare AS external LSAs. Reboot HA-CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message HA-CPU route table sanity check: route table size (best route count) mismatch. master value = <int> ha-cpu value = <int>

Severity Warning

Description This message is generated when the best route count between the CPUs does not match.

Synopsis Routing tables between the CPUs are not synchronized.

Action Compare routing tables between the CPUs. Reboot the HA-CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Head pointer passed as NULL for adding an entry to SNMP Sessions LinkedList

Severity Error

Description This message is generated when a software error occurs.

Synopsis Software error.

Action Contact customer service.

Message Head pointer passed as NULL for removing an entry from SNMP Sessions LinkedList

Severity Error

Description This message is generated when a software error occurs.

Synopsis Software error.

Action Contact customer service.

Message	hello pkt received from nbr <ipa> during table sync/HA-CPU fail-over
Severity	Info
Description	This message is generated when the router processed OSPF hello packet is received during table synchronization/HA-CPU failover.
Synopsis	N/A
Action	None
Message	hello_rx_callback RED_OSPF_ESTABLISH_NBR_ bad nb_state
Severity	Error
Description	This message is generated when the neighbor state is invalid on the HA-CPU.
Synopsis	Hot-standby OSPF data may lose synchronization with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	iDLStart: rcIpGetIf returns NULL
Severity	Error
Description	This message is generated if no IP record exists. The IfIndex may be out of range, or there is no IP record for the IfIndex.
Synopsis	Cannot obtain the IP record for the IfIndex.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message IfRec(ipaddr=_._._._., index=_) - Exceeded NVRAM limit of _
Severity Warning
Description This message is generated when the available NVRAM space for storing the records is exhausted.
Synopsis NVRAM limit exceeded.
Action No action needs to be taken.

Message igmpAddARRec: arAddIpmcEntry failed
Severity Error
Description This message is generated during the process of adding AR records when the addition of an IP multicast entry fails.
Synopsis Addition of IPMC entry fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message igmpAddRptRec: unable to allocate IGMP_RPTR
Severity Error
Description This message is generated when the system cannot allocate memory for the report record while trying to create a report record and insert it into the report list.
Synopsis Unable to allocate memory for the report record.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	igmpCacheData: Can't add AR Rec
Severity	Error
Description	This message is generated if the addition of AR record fails.
Synopsis	Unable to add AR record.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	igmpCacheUnsolData: unable to allocate IGMP_SRCGRP
Severity	Error
Description	This message is generated if the source group pair allocation is unsuccessful. This is because the memory allocation for the source group pair failed due to low DRAM memory.
Synopsis	Allocation of source group pair fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	igmpCreateSrcRec: unable to allocate IGMP_SRC
Severity	Error
Description	This message is generated when the system tries to allocate memory for the IGMP source group and cannot due to low memory.
Synopsis	Unable to allocate memory to IGMP source.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message IgmpGrpCreate: Error in igmpAlloc!
Severity Error
Description This message is generated when an attempt to create a new igmp group fails.
Synopsis Cannot allocate memory dynamically.
Action Close all CLI sessions to free the memory.

Message igmpGrpCreate: Error in imgpSetUpARRec
Severity Error
Description This message is generated when trying to add a port to an MGID entry and add an AR record for any src/grp pair. This message results if an MGID cannot be created or if you are trying to add an invalid port to a group.
Synopsis Unable to add port to MGID entry.
Action Check validity of the port or contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message IgmpInit: unable to allocate tSGBlock
Severity Error
Description This message is generated when the system cannot allocate memory for a tSGBlock.
Synopsis Cannot allocate memory dynamically.
Action Close all CLI sessions to free the memory.

Message igmpProcReport: Can't add AR Rec!

Severity Fatal

Description This message is generated when adding an AR Record for a multicast group, with a specified source/group pair and the Multicast Group ID (MGID) operation, fails. The AR table may be corrupted.

Synopsis Cannot add AR Record for a multicast group.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration and network topology for further analysis.

Message igmpSetUpARRec: Can't add AR Rec

Severity Error

Description This message is generated while creating a new IGMP group, which in turn gets an MGID and adds an AR record for the new source group pair.

Synopsis Unable to add AR record while creating a new IGMP.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message igmpSetUpARRec: Can't allocate MGID

Severity Error

Description This message is generated when trying to add a new multicast group due to low memory.

Synopsis MGID not allocated.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message igmpSetUpARRec: Try to add invalid port to group
Severity Fatal
Description This message is generated when an invalid port is added to the group in the IPMC.
Synopsis Invalid port to add to the multicast group.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message igmpSrcLstDelete: arDeletePortFromGroup failed
Severity Fatal
Description This message is generated while trying to delete a port from a source group pair.
Synopsis Unable to delete port from group.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message igmpUpdUnsolRec: Can't add AR Rec
Severity Error
Description This message is generated if addition of AR record fails.
Synopsis Unable to add AR record.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message igmpUpdUnsolRec: Unsol rec for port _ should have been deleted by now

Severity Error

Description This message is generated if an unsolicited record is found.

Synopsis Unsolicited record found.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Impossible Neighbor State

Severity Fatal

Description This message is generated if an invalid neighbor state is encountered.

Synopsis Invalid neighbor state.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Impossible returncode from ospfProcLsa()

Severity Fatal

Description This message is generated when an invalid return code from LSA procedure is encountered.

Synopsis Invalid return code encountered.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Incoming intf has neither PIM nor DVMRP enabled
Severity Warning
Description This message is generated if a multicast packet is received on an interface where PIM and DVMRP protocols are not enabled.
Synopsis PIM and DVMRP are not enabled on the interface.
Action Enable PIM/DVMRP on the interface.

Message Invalid action of changing Vlan in MLT
Severity Error
Description This message is generated when the invalid action of changing a VLAN in an MLT is specified.
Synopsis This is a software error.
Action Contact customer support.

Message Invalid - circuit is null
Severity Fatal
Description This message is generated when trying to acknowledge LSA and an invalid interface circuit (NULL) is encountered.
Synopsis Invalid interface, null circuit encountered.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Invalid configuration: abr with no backbone connection
Severity Info
Description This message is generated when ABR is not connected to the backbone of the OSPF network.
Synopsis Invalid OSPF configuration.
Action Configure OSPF backbone connection to the ABR using physical connectivity or virtual links

Message Invalid configuration: network appears in two areas
Severity Info
Description This message is generated when the same route appears for different areas.
Synopsis Two areas have the same network.
Action Configure the network properly so that there are no repetitions.

Message invalid interface index
Severity Error
Description This message is generated if the VLAN ID is out of range
Synopsis VLAN ID is wrong.
Action Enter a valid VLAN ID and check instructions in `vlan config` command.

Message invalid interface index _
Severity Error
Description This message is generated when the user is enabling or disabling the IGMP for the circuit if the interface is not a valid VLAN.
Synopsis Invalid VLAN interface.
Action Provide a valid VLAN interface.

Message invalid interface index ___
Severity Error
Description This message is generated when the fetch operation fails because the VLAN interface is invalid.
Synopsis VLAN interface fetching fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message invalid lsai ptr
Severity Fatal
Description This message is generated when the system encounters an invalid pointer to the LSA identifier.
Synopsis Invalid LSA ID encountered.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message invalid page choice
Severity Error
Description This message is generated when an invalid page choice is made.
Synopsis Invalid choice entered.
Action Enter correct choice as stated in the CLI help.

Message Invalid VLAN ID
Severity ERROR
Description This message is generated when an invalid VLAN ID is specified when enabling remote mirroring.
Synopsis N/A
Action Disable and re-enable remote mirroring.

Message Invalid VR IP addresses ___ received for Vrid ___ on IfIndex ___
Severity Warning
Description This message is generated if the router receives a VRRP advertisement having an incorrect VRRP IP address for a VRID.
Synopsis Invalid VR IP address.
Action Check and ensure that all the routers with the same VRID have the same VR IP address.

Message ip2GarbageList: Could not allocate mem for garbage!!!
Severity Error

Message This message is generated whenever memory allocation fails for garbage collection list.
Synopsis Dynamic memory allocation fails.
Action Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	IpCircEvent: Unable to find IpRec for IfIndex
Severity	Fatal
Description	This message is generated whenever the circuit I/O channel is in alive state and the system tries to read the memory location to an exiting IP record.
Synopsis	Cannot read the memory location.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	IP circuit%d doesn't have an RIP circuit
Severity	Warning
Description	This message is generated whenever an attempt to get the RIP circuit pointer of a specified circuit ID fails.
Synopsis	Memory is corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	IpDecrMaskCntr: negative # of intf with mask
Severity	Error
Description	This message is generated whenever the route mask counter is less than zero for an IP circuit that has to be deleted.
Synopsis	This is an internal error.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	IpDoSpecial: ipNetToMediaPhysAddress_index arpadd failed!
Severity	Error
Description	This message is generated when adding a static ARP entry from the JDM fails.
Synopsis	N/A
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	IpDoSpecial: ipNetToMediaPhysAddress_index rcIpLoadArpRecfailed!
Severity	Error
Description	This message is generated if there is a failure to load the ARP entry into the static ARP table.
Synopsis	Cannot load a static ARP record because ARP table is corrupted or the system cannot allocate memory.
Action	N/A
Message	IpDoSpecial: ipNetToMediaPhysAddress_index Port%d not a member of vlan
Severity	Error
Description	This message is generated when the ifindex (Interface index that is unique for each port or VLAN) supplied is not associated with any VLAN or router port.
Synopsis	Wrong interface index.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipFilGlobalVarTblSync: malloc failed
Severity	Error
Description	This message is generated on the master CPU during the notification of filter global parameters to the hot-standby. Memory is unavailable in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipFilListTblSync: malloc failed
Severity	Error
Description	This message is generated on the master CPU during the notification of IP filter list to the hot-standby. Memory is unavailable in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipFilMedDeviceTblSync: malloc failed
Severity	Error
Description	This message is generated on the master CPU during the table-based synchronization of the filter-media-device parameters to the hot-standby. Memory is unavailable in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipFilMedStreamTblSync: malloc failed

Severity Error

Description This message is generated on the master CPU during the table-based synchronization of the filter-media-stream parameters to the hot-standby. Memory is unavailable in an HA-enabled chassis.

Synopsis Hot-standby data is not synchronized with the master CPU.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipFilPortTblSync: malloc failed

Severity Error

Description This message is generated on the master CPU during the table-based synchronization of filter port parameters to the hot-standby. Memory is unavailable in an HA-enabled chassis.

Synopsis Hot-standby data is not synchronized with the master CPU.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipFilTrafficProfTblSync: malloc failed

Severity Error

Description This message is generated on the master CPU during the notification of IP filter traffic profile parameters to the hot-standby. Memory is unavailable in an HA_enabled chassis.

Synopsis Hot-standby data is not synchronized with the master CPU.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipForward: pP2IpBd == NULL
Severity	Error
Description	This message is generated when the frame desc buffer passed is NULL.
Synopsis	This is a system error.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipfTblSyncCallBack: BAL_TengipfFilterCreate failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity cannot create filter for 10 Gbit port during table-based synchronization.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipfTblSyncCallBack: BAL_TengipfFilterSetProfile failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity cannot set the profile for 10 Gbit port during table-based synchronization.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipfTblSyncCallBack: corrupt msg
Severity	Error
Description	This message is generated in the hot-standby when the filter entity receives a corrupt HA framework message during table- or event-based synchronization of filter parameters.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipfTblSyncCallBack: ipfAllocPid failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity could not allocate filter ID during the table-based synchronization.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipfTblSyncCallBack: ipfIdSetProfile failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity cannot set the profile ID during table-based synchronization.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipfTblSyncCallBack: ipfListAddIpFld failed
Severity Error
Description This message is generated in the hot-standby when the filter entity cannot add filter ID to the filter list during table-based synchronization.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipfTblSyncCallBack: ipfListNew failed
Severity Error
Description This message is generated in the hot-standby when the filter entity cannot create a new filter list during table-based synchronization.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipfTblSyncCallBack: ipfPortGetTblIdx failed.
Severity Error
Description This message is generated in the hot-standby when the filter entity cannot get the filter table index for a port during table-based synchronization.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipfTblSyncCallBack: ipfPortAddListId failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity cannot add the filter list to a filter port during table-based synchronization.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipfTblSyncCallBack: ipfPortIndexEntryInit failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity cannot initialize filter port parameters during table-based synchronization.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipfTblSyncCallBack: malloc failed
Severity	Error
Description	This message is generated on the hot-standby due to the unavailability of memory during table- or event-based synchronization.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipGlobalSyncHandler: corrupt message.
Severity Error
Description This message is generated when the HA-CPU does not recognize the IP synchronization message received from master CPU.
Synopsis Hot-standby IP data is not synchronized with the master CPU
Action Contact customer service and have the following information available: runtime software versions on both CPUs.

Message ipGlobalSyncHandler: DHCP Config table sync failed
Severity Error
Description This message is generated when processing of DHCP Relay configuration information on the HA-CPU fails.
Synopsis Hot-standby DHCP Relay data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipGlobalSyncHandler: IP Globals table sync failed
Severity Error
Description This message is generated when the MIB table set for IP global data fails.
Synopsis Hot-standby IP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipGlobalSyncHandler: mismatching length
Severity Error
Description This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis Hot-standby IP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: runtime software versions on both CPUs.

Message ipGlobalSyncHandler: Route Preference table sync failed.
Severity Error
Description This message is generated when processing of route-preference configuration information fails on the HA-CPU.
Synopsis Hot-standby route preference data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipGlobalSyncNotify: failed to get IP Globals
Severity Error
Description This message is generated when the MIB table cannot get the information for the IP global group table.
Synopsis Hot-standby IP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipGlobalSyncNotify: failed to sync dhcp relay
Severity Error
Description This message is generated when synchronization of the DHCP Relay configuration information to the HA-CPU fails.
Synopsis Hot-standby IP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipGlobalSyncNotify: failed to sync IP Globals
Severity Error
Description This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis Hot-standby IP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipGlobalSyncNotify: failed to sync Route Preference
Severity Error
Description This message is generated when the route-preference configuration synchronization to the HA-CPU fails.
Synopsis Hot-standby IP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipGlobalSyncNotify: incompatible size of tRC_IP_CONF_GLOBAL_GRP <int> <int>
Severity	Error
Description	This message is generated when there is a mismatch of the real size and static size of synchronization data-structure on the master CPU.
Synopsis	Hot-standby IP data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.
Message	ipGlobalSyncNotify: malloc failed!
Severity	Error
Description	This message is generated when the framework message memory allocation fails.
Synopsis	Hot-standby IP data is not synchronized with the master CPU.
Action	Check memory statistics on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipLocAddrFind: Can't find IfIndex for cid
Severity	Fatal
Description	This message is generated when the system tries to find the local IP address and no IP record exists for the given interface index. The system software IP table may be corrupted.
Synopsis	Cannot find an IP record for a specific interface index.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipmcRx: Can't find circuit for cid
Severity	Fatal
Description	This message is generated if the system finds a NULL circuit pointer for a specific ID.
Synopsis	Cannot read the memory location.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipNetToMediaPhysAddress_index NULL snmp_arp_circ
Severity	Error
Description	This message is generated when the physical address supplied is not associated with any circuit.
Synopsis	Wrong physical address.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipNetToMediaPhysAddress_index vlanGetVlanIdFromIfIndex failed for IfIndex
Severity	Error
Description	This message is generated if there is no VLAN associated with the interface index.
Synopsis	Wrong interface index.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipPktOut: ipCircFromId failed for cid
Severity Error
Description This message is generated when circuit pointer for specific circuit ID is NULL.
Synopsis Memory may be corrupted.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipPktOut: Unable to find IpRec for IfIndex
Severity Error
Description This message is generated when the pointer to the frame buffer descriptor of the last IP packet received from the CPP module is null.
Synopsis Memory location is NULL.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipPktOutVrrp: Can't copy frame buffer
Severity Error
Description This message is generated when the copying of the frame buffer fails.
Synopsis Copy operation fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipPktOutVrrp: Can't send frame
Severity	Error
Description	This message is generated when transmission of an Ethernet frame through the specified port fails.
Synopsis	Transmission fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipPktOutVrrp: ipCircFromId failed for cid
Severity	Error
Description	This message is generated when the circuit pointer for a specific circuit ID is NULL.
Synopsis	Memory may be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipPktOutVrrp: pBd->bdOff < size of MAC header
Severity	Fatal
Description	This message is generated when there is not enough space available to insert the Ethernet header.
Synopsis	Not enough memory available.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipPktOutVrrp: Unable to find IpRec for IfIndex
Severity Error
Description This message is generated when the pointer to an IP record does not exist.
Synopsis Memory location is NULL.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipProcIpa: owner is not RIP
Severity Error
Description This message is generated whenever the system finds that RIP timers are holding non-RIP routes.
Synopsis RIP timer is holding timers for non-RIP routes.
Action Check configuration for RIP timers. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipReasmInit: Can't allocate bondable!
Severity Error
Description This message is generated when the system cannot allocate memory for the Net data block table.
Synopsis Cannot allocate memory dynamically.
Action Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	ipReasmInit: Can't allocate presentable!
Severity	Error
Description	This message is generated when the system cannot allocate memory for the IP reassembly table.
Synopsis	Cannot allocate memory dynamically.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.
Message	IpRec does not exists-for IfIndex
Severity	Error
Description	This message is generated when updating the OSPF if the IP record does not exist for the corresponding IP address.
Synopsis	N/A
Action	Check the interface configuration and state. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ipRoutePrefSyncCallback: mismatching number of Route Preference.
Severity	Warning
Description	This message is generated when there is a mismatch in the number of route sources between the master CPU and the HA-CPU.
Synopsis	The number of route sources from the HA-CPU is used instead of the number of route sources synchronized from the master CPU.
Action	Compare software versions between the CPUs. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ipRoutePrefSyncCallback: mismatching size of Route Preference structure.
Severity	Warning
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby IP data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ipRoutePrefSyncNotify: failed to sync Route Preference
Severity	Error
Description	This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis	Hot-standby IP data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis
Message	ipRoutePrefSyncNotify: incompatible size of Route Preference Entry <int> <int>
Severity	Error
Description	This message is generated when there is a mismatch between the the real size and static size of the synchronization data-structure on the master CPU.
Synopsis	Hot-standby IP data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message ipRoutePrefSyncNotify: malloc failed!
Severity Error
Description This message is generated when the framework-message memory allocation fails.
Synopsis Hot-standby IP data is not synchronized with the master CPU.
Action Check memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ipRsmltSyncCallback: unknown msg type ___
Severity Error
Description This message is generated when an unknown messages type is encountered during a synchronization callback.
Synopsis Unknown message type.
Action Contact customer support.

Message ipRsmltSyncCallback: unsupported version ___
Severity Error
Description This message is generated when an unsupported module version is encountered during a synchronization callback.
Synopsis Unsupported version.
Action Contact customer support.

Message ipRsmлтEventSyncHandler: rcv holddown-timer event for empty RSMLT Circuit, IfIndex __ on Vlan __

Severity Error

Description This message is generated when the RSMLT configurations cannot be synchronized with the secondary CPU in HA mode.

Synopsis This is a software error.

Action Contact customer support.

Message ipRsmлтEventSyncHandler: rcv holdup-timer event for empty Rsmлт Circuit, IfIndex __ on Vlan __

Severity Error

Description This message is generated when the RSMLT configurations cannot be synchronized with the secondary CPU in HA mode.

Synopsis This is a software error.

Action Contact customer support.

Message ipRsmлтEventSyncHandler: rcv framework msg failed for holddown-timer expire event

Severity Error

Description This message is generated when the RSMLT holddown-timer expire event cannot be synchronized with the secondary CPU in HA mode.

Synopsis This is a software error.

Action Contact customer support.

Message ipRsmltEventSyncHandler: rcv framework msg for unknown IfIndex __ on Vlan __

Severity Error

Description This message is generated when the RSMLT configurations cannot be synchronized with the secondary CPU in HA mode.

Synopsis This is a software error.

Action Contact customer support.

Message IPX Interface removed, Delete RSMLT Node Failed on Vlan __, potential memory Leak

Severity Error

Description This message is generated when the deletion of RSMLT node fails after the IPX interface is removed.

Synopsis Deletion of RSMLT node fails.

Action Contact customer service.

Message LaunchPad Blade - Slot <slot> MiniSlot <minislot> taken <ONLINE/OFFLINE>

Severity Info

Description This message is generated when the Service Delivery Module (SDM) blade is placed online or taken offline.

Synopsis N/A

Action N/A

Message LaunchPad Blade - Slot <slot> taken <ONLINE/OFFLINE>
Severity Info
Description This message is generated when the Service Delivery Module (SDM) blade is placed online or taken offline.
Synopsis N/A
Action N/A

Message launchPadOnLine: Can't queue message!
Severity Error
Description This message is generated when the Service Delivery Module (SDM) card is not accessible.
Synopsis N/A
Action Disable and re-enable the Service Delivery Module (SDM) card. Reboot the switch fabric if the problem persists.

Message launchPadOnLine in slot: <slot>
Severity Info
Description This message is generated when the Service Delivery Module (SDM) is online.
Synopsis N/A
Action N/A

Message lpAddASFClusterMember: Can't take semaphore!!
Severity Error
Description This message is generated when there is a failure to obtain the Service Delivery Module (SDM) semaphore.
Synopsis N/A
Action Reboot the switch and retry.

Message IpEnforcementVlanAddPorts: VlanId Failed consistency check, error: <error code>

Severity Error

Description This message is generated when an error occurs while adding a port to the Enforcement VLAN.

Synopsis N/A

Action N/A

Message IpGetActiveSlots: can't take Ip semaphore!

Severity Error

Description This message is generated when the Service Delivery Module (SDM) semaphore is unavailable.

Synopsis N/A

Action Restart the switch.

Message IpGetASFClusterMember: Can't take semaphore!!

Severity Error

Description This message is generated when there is a failure to obtain the Service Delivery Module (SDM) semaphore.

Synopsis N/A

Action Reboot the switch and retry.

Message IpLearnMac: Couldn't learn MacAddr: <mac> on Vlan: <vlan id> Port <port num>

Severity Error

Description This message is generated when the system fails to discover the MAC on the VLAN.

Synopsis N/A

Action Disable and re-enable NAAP. Restart the ISD if the problem persists.

Message IpLearnMac: Failed to learn MacAddr <mac> on port <portnum>

Severity Error

Description This message is generated when the system fails to discover the ISD MAC on the port.

Synopsis N/A

Action Disable and re-enable NAAP. Restart the ISD if the problem persists.

Message IpPreConfigSlot: Error: <error number>

Severity Error

Description This message is generated when there is an IP pre-configuration slot error. See the error message.

Synopsis N/A

Action N/A

Message	IpPreconfigSlot: Error in rcChassisPortTblSet
Severity	Error
Description	This message is generated when the system cannot disable auto-negotiation on the ISD ports.
Synopsis	N/A
Action	Disable auto-negotiation on port manually.
Message	IpRegisterASF: Application Changed on Slot: <slot> MiniSlot: <slot> Previous Application: <s/w string> New Application: <s/w string>
Severity	Error
Description	This message is generated when the application type is changed.
Synopsis	N/A
Action	N/A
Message	IpRegisterASF: Called for Non LaunchPad slot: <slot> port <port> !!!
Severity	Error
Description	This message is generated when there is an attempt to register a non-Service Delivery Module (SDM) card as a Service Delivery Module (SDM) card.
Synopsis	N/A
Action	N/A

Message	IpRegisterASF: Can't take semaphore!!
Severity	Error
Description	This message is generated when there is a failure to obtain the Service Delivery Module (SDM) semaphore.
Synopsis	N/A
Action	Reboot the switch and re-try.
Message	IpRegisterASF: Couldn't refresh Vlan: <vlan id>
Severity	Info
Description	This message is generated when the system cannot enable enforcement on the VLAN.
Synopsis	N/A
Action	N/A
Message	IpRegisterASF: Couldn't register Application <type> on Port: <port>
Severity	Error
Description	This message is generated when the system cannot register NAAP on the port.
Synopsis	N/A
Action	Disable and re-enable NAAP. Restart the ISD if the problem persists.
Message	IpRegisterASF: Slot <slot> minislot <slot> Macs don't match !!!
Severity	Info
Description	This message is generated when the MAC address of the ISD is changed.
Synopsis	N/A
Action	N/A

Message IpRemoveASFClusterMember: Can't take semaphore!!
Severity Error
Description This message is generated when there is a failure to obtain the Service Delivery Module (SDM) semaphore.
Synopsis N/A
Action Reboot the switch and re-try.

Message IpRemoveASFClusterMember: fail to disable enforcement vlan:
<vlan>
Severity Info
Description This message is generated when enforcement in the firewall VLAN could not be disabled.
Synopsis N/A
Action Ensure that VLAN <vlanid> exists on the PP8600 as a firewall VLAN.

Message LP Slot <slot> AUTO Negotiation is not Complete
Severity Info
Description This message is generated when auto-negotiation is not completed between the front port and the connecting device.
Synopsis N/A
Action N/A

Message LP Slot <slot> front port Link is down
Severity Info
Description This message is generated when the front port link fails.
Synopsis N/A
Action N/A

Message LP slot <slot> front port Link speed is 10FD
Severity Info
Description N/A
Synopsis N/A
Action N/A

Message LP Slot <slot> front port Link speed is 10HD
Severity Info
Description N/A
Synopsis N/A
Action N/A

Message LP Slot <slot> front port Link speed is 100 FD
Severity Info
Description N/A
Synopsis N/A
Action N/A

Message LP Slot <slot> front port Link speed is 100HD
Severity Info
Description N/A
Synopsis N/A
Action N/A

Message LP Slot <slot> front port Link speed is 1000FD
Severity Info
Description N/A
Synopsis N/A
Action N/A

Message LP Slot <slot> front port Link speed if 1000HD
Severity Info
Description N/A
Synopsis N/A
Action N/A

Message lpSlotOnLine: Invalid Card Type!
Severity Error
Description This message is generated when the card type is invalid. This error does not relate to a Service Delivery Module (SDM) card.
Synopsis N/A
Action N/A

Message lpTableInit: Can't create Semaphore!
Severity ERROR
Description This message is generated when there is a failure to create the Service Delivery Module (SDM) semaphore.
Synopsis N/A
Action Reboot the switch and re-try.

Message IpTableInit: Can't create Semaphore for I2C bus!
Severity ERROR
Description This message is generated when there is a failure to create the Service Delivery Module (SDM) semaphore for the I2C bus.
Synopsis N/A
Action Reboot the switch and re-try.

Message IpTableInit: Can't take semaphore!!
Severity ERROR
Description This message is generated when there is a failure to receive the Service Delivery Module (SDM) semaphore.
Synopsis N/A
Action Reboot the switch and re-try.

Message IpUnlearnMac: Couldn't Remove Mac<mac> from Naap Vlan
Severity Error
Description This message is generated when the system cannot remove the MAC address from the NAAP VLAN.
Synopsis N/A
Action Determine whether the MAC exists in the NAAP VLAN. If the MAC is in the NAAP VLAN, delete and recreate the NAAP VLAN.

Message IpUnregisterASF: Called for Non LaunchPad slot: <slot>
Severity Error
Description This message is generated when the system attempts to unregister a non-Service Delivery Module (SDM) card.
Synopsis N/A
Action N/A

Message	IpUnregisterASF: Couldn't refresh Vlan: <vlan id>
Severity	Info
Description	This message is generated when the system cannot enable enforcement on the VLAN.
Synopsis	N/A
Action	N/A
Message	IpUpdateRegistration: ASFM - Couldn't refresh Vlan: <vlan id>
Severity	Info
Description	This message is generated when the system cannot enable enforcement on the VLAN.
Synopsis	N/A
Action	N/A
Message	IpUpdateRegistration: Trying to <register/unregister> UNKNOWN hardware type <type> on port <portnum>
Severity	Error
Description	This message is generated when the system tries to register an unknown hardware type on the ISD.
Synopsis	N/A
Action	N/A
Message	IpUpdateRegistration: Trying to <register/unregister> UNKNOWN software type <type> on port <portnum>
Severity	Error
Description	This message is generated when the system tries to register an unknown software type on the ISD.
Synopsis	N/A
Action	N/A

Message	IpUpdateStaticMac: Failed to <ADD/REMOVE> Static Mac on VLAN <vlan-id>
Severity	INFO
Description	This message is generated when addition or removal of the static MAC entry for the VLAN fails.
Synopsis	N/A
Action	Try manual addition or removal of the static MAC on the VLAN FDB entry.

Message	IpUpdateStaticMac: rcStaticTblGetFailed
Severity	Info
Description	This message is generated when the static MAC entry is not obtained.
Synopsis	N/A
Action	N/A

Message	IpUpdateVlanPorts: Failed to <add/remove> Ports to vlan <vlan>
Severity	Error
Description	This message is generated when the Service Delivery Module (SDM) cannot add the port to, or remove the port from, the VLAN specified.
Synopsis	N/A
Action	N/A

Message IpUpdateVlanPorts: Failed to get vlan table entry, <vlan>
Severity Error
Description This message is generated when there is a failure to reach the VLAN.
Synopsis N/A
Action Create the VLAN and retry the command.

Message IpVlanEnforcementDisable:Couldn't get ASFM_MLT
Severity Error
Description This message is generated when there is a failure to obtain ASFM_MLT.
Synopsis N/A
Action N/A

Message IpVlanEnforcementDisable: Couldn't get ISD_PORTS
Severity Error
Description This message is generated when there is a failure to obtain ISD ports.
Synopsis N/A
Action N/A

Message IpVlanEnforcementDisable: Couldn't remove ASFM_MLT: <id> from Enforcement Vlan: <vlan>
Severity Error
Description This message is generated when there is a failure to remove the ASFM_MLT from the Enforcement VLAN.
Synopsis N/A
Action N/A

Message IpVlanEnforcementDisable: Couldn't remove ISD_PORTS ICL_PORTS from Enforcement Vlan <vlanid>

Severity Error

Description This message is generated when there is a failure to remove ISD and ICL ports from the Enforcement VLAN.

Synopsis N/A

Action N/A

Message Isack sync malloc failed

Severity Error

Description This message is generated when the framework-message memory allocation fails.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU

Action Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message LSDB has changed. Please try the command again later

Severity Info

Description This message is generated if the command for displaying OSPF LSDB is executed from CLI and there is a change in the LSDB.

Synopsis Change in LSDB.

Action Retry the command after a brief interval once the LSDB is dynamically updated by the system.

Message	malloc failed in ospfLinkToBERefreshed
Severity	Error
Description	This message is generated after completion of SPF when the system tries to refresh the ospf link and fails because memory cannot be allocated.
Synopsis	Unable to allocate memory.
Action	No action required.
Message	Maximum number of SNMP sessions are already running Access Denied
Severity	Error
Description	This message is generated when the number of SNMP connections reaches the maximum allowed.
Synopsis	No new SNMP connection can be spawned when the maximum number of sessions are already running.
Action	Terminate unwanted SNMP connections.
Message	Message not sent for deleting msgQ for snmp accounting
Severity	Error
Description	This message is generated when the system cannot free the software resource.
Synopsis	This is a software error.
Action	Contact customer service.

Message Message not sent for sending interim accounting message for snmp accounting

Severity Error

Description This message is generated when the RADIUS accounting interim messages are not sent due to a software error.

Synopsis The RADIUS message is not sent because of unstable conditions in the software.

Action Contact customer service if problem persists.

Message Message not sent for sending on accounting message for snmp accounting

Severity Error

Description This message is generated when the RADIUS accounting ON message is not sent because of a software error.

Synopsis The RADIUS message is not sent because of unstable conditions in the software,

Action Contact customer service if problem persists.

Message Misconfig detected: ISD on port <port> is using <eth-port> for CP SYNC while PP8600 is using <eth-port> for CP_SYNC

Severity Info

Description This message is generated when an improperly configured ISD attempts to use the same port for CP synchronization as the PP8600.

Synopsis N/A

Action Ensure configuration on PP8600 and ISD use the same port for the CP synchronization.

Message mlt%d - inBytes0_2%d inBytes0_1%d
Severity Info
Description This message is generated when the number of bytes sent to the chassis from a Web Switching Module over MLT 0 at a certain time and 2 seconds before is printed.
Synopsis N/A
Action N/A

Message mlt%d - inBytes1_2%d inBytes1_1%d
Severity Info
Description This message is generated when number of bytes sent to chassis from a Web Switching Module over MLT 2 at a certain time and 2 seconds before is printed.
Synopsis N/A
Action N/A

Message mlt%d - outBytes0_2%d outBytes0_1
Severity Info
Description This message is generated when number of bytes sent to a Web Switching Module from chassis over MLT 0 at a certain time and 2 seconds before is printed.
Synopsis N/A
Action N/A

Message	mlt%d - outBytes1_2%d outBytes1_1%d
Severity	Info
Description	This message is generated when number of bytes sent to a Web Switching Module from chassis over MLT 1 at a certain time and 2 seconds before is printed.
Synopsis	N/A
Action	N/A

Message	MLT allocated are: __ and __
Severity	Info
Description	This message is generated when two MLTs are allocated in non-hidden mode.
Synopsis	MLTs are allocated.
Action	N/A

Message	NaapAckList corrupted. Head is NULL
Severity	Info
Description	This message is generated when the NaapAckList is corrupted.
Synopsis	N/A
Action	N/A

Message	NAAP ACTION Event Sync size from master CPU incorrect, expected_size: <size> given_size: <size>
Severity	Error
Description	This message is generated when event synchronization fails.
Synopsis	N/A
Action	Slave CPU software version may differ from master CPU software version. Contact customer service if the problem persists.

Message NAAP ASF DB sync size from master CPU incorrect, expected_size:<size> given_size: <size>

Severity Error

Description This message is generated when table synchronization fails.

Synopsis N/A

Action The slave CPU software version may differ from the master CPU software version. Contact customer service if the problem persists.

Message NAAP CFG Table sync consistency check failed, expected_size: <size> given_size: <size>

Severity Error

Description This message is generated when the table synchronization fails.

Synopsis N/A

Action The slave CPU software version may differ from the master CPU software version. Contact customer service if the problem persists.

Message NAAP CFG Table sync size from master CPU incorrect, expected_size: <size> given_size: <size>

Severity Error

Description This message is generated when table synchronization fails.

Synopsis N/A

Action The slave CPU software version may differ from the master CPU software version. Contact customer service if the problem persists.

Message naapCliAccept: Can't create Naap Cli task!
Severity Error
Description This message is generated when the NAAP CLI task is not created.
Synopsis N/A
Action Retry the command. Restart the switch if the problem persists.

Message naapCliAccept: Can't create Naap Echo task!
Severity Error
Description This message is generated when the NAAP Echo task is not created.
Synopsis N/A
Action Retry the command. Restart the switch if the problem persists.

Message naapCliConnect: Can't create Naap Telnet task!
Severity Error
Description This message is generated when the telnet task is not created.
Synopsis N/A
Action Retry the command. Restart the switch if the problem persists.

Message naapCliConnect: no naap socket available
Severity Error
Description This message is generated when a NAAP socket cannot be obtained.
Synopsis N/A
Action Retry the command. Restart the switch if the problem persists.

Message naapCliEchoServerTask: STARTED on naap-port<tcp_port>
Severity Info
Description This message is generated when the NAAP CLI Echo Server task starts on the TCP port given in the log.
Synopsis N/A
Action N/A

Message naapCLiEchoServerTask: Can't create Naap Cli task
Severity Error
Description This message is generated when creation of the NAAP CLI task fails.
Synopsis N/A
Action Retry the command. Restart the switch if the problem persists.

Message naapCliServerTask: STARTED on naap-port <tcp_port>
Severity Info
Description This message is generated when the NAAP CLI server task starts on the TCP port given in the log.
Synopsis N/A
Action N/A

Message Naap CLI session # <session id> IN USE * from peer <peer mac>
Severity Info
Description This message is generated when the NAAP CLI session is in use.
Synopsis N/A
Action N/A

Message	NAAP DEV Table sync consistency check failed, expected_size: <size> given_size: <size>
Severity	Error
Description	This message is generated when table synchronization fails.
Synopsis	N/A
Action	The slave CPU software version may differ from the master CPU software version. Contact customer service if the problem persists.
Message	NAAP DEV Table sync size from master CPU incorrect, expected_size: <size> given_size: <size>
Severity	Error
Description	This message is generated when table synchronization fails.
Synopsis	N/A
Action	The slave CPU software version may differ from the master CPU software version. Contact customer service if the problem persists.
Message	NAAP Table sync size from master CPU incorrect, expected_ize:<size> given_size: <size>
Severity	Error
Description	This message is generated when table synchronization fails.
Synopsis	N/A
Action	The slave CPU software version may differ from the master CPU software version. Contact customer service if the problem persists.

Message naapInitTxSeqNo: peer mac not found
Severity Error
Description This message is generated when the Peer MAC cannot be found.
Synopsis N/A
Action N/A

Message naapSend: can't get a frame buffer!
Severity Error
Description This message is generated when there is a failure to get a frame buffer and the NAAP packet cannot be sent.
Synopsis N/A
Action N/A

Message naapSetInitSeqNo: Invalid Peer Mac
Severity Error
Description This message is generated when the Peer MAC address is wrong.
Synopsis N/A
Action N/A

Message naapSetInitSeqNo: No moe storage for peer
Severity Error
Description This message is generated when there is no more space available for storing the peer list.
Synopsis N/A
Action N/A

Message naapStreamSend: can't get a frame buffer!
Severity Error
Description This message is generated because a frame buffer is unavailable and the NAAP packet cannot be sent.
Synopsis N/A
Action N/A

Message naapStreamSend: Couldn't get Data from TX Ring Buffer.
Expected <msglen> Read <rea-msglen> pos <current position>
Severity Error
Description This message is generated when the data could not be read and a NAAP packet is not sent.
Synopsis N/A
Action Disable and re-enable NAAP. Contact customer service if the problem persists.

Message naapStreamSend: Invalid Ring Id buffer!
Severity Error
Description This message is generated when an invalid ring ID buffer is detected.
Synopsis N/A
Action Disable and re-enable NAAP. Contact a customer service representative if the problem persists.

Message	naapSyncCallback: unsupported version <version number>
Severity	Error
Description	This message is generated when event synchronization fails.
Synopsis	N/A
Action	The slave CPU software version may differ from master CPU software version. Contact customer service if the problem persists.
Message	NAAP Table sync consistency check failed, expected_size: <size> given_size: <size>
Severity	Error
Description	This message is generated when table synchronization fails.
Synopsis	N/A
Action	The slave CPU software version may differ from the master CPU software version. Contact customer service if the problem persists.
Message	NAAP Table Sync LaunchPad ASF DB consistency check failed, expected_size: <size> given_size: <size>
Severity	Error
Description	This message is generated when table synchronization fails.
Synopsis	N/A
Action	The slave CPU software version may differ from the master CPU software version. Contact customer service if the problem persists.

Message NAAP Table Sync WSM Card DB consistency check failed, expected_size: <size> given_size: <size>

Severity Error

Description This message is generated when table synchronization fails.

Synopsis N/A

Action Slave CPU software version may differ from the master CPU software version. Contact customer service if the problem persists.

Message naapTcpRxReassemble: Something wrong with RX Data Buffer

Severity Error

Description This message is generated when the NAAP Rx buffer is corrupted.

Synopsis N/A

Action Disable and re-enable NAAP. Reboot the switch if the problem persists.

Message naap TcpReceiveData: Something wrong in TX while releasing data. Tried <number of attempts made> released <len>

Severity Error

Description This message is generated when the NAAP Tx buffer is corrupted.

Synopsis N/A

Action Re-enable NAAP. Reboot the switch if the problem persists.

Message naapTimer: No HeartBeats from Naap Peer <port> on port <port>
Severity Info
Description This message is generated when no heartbeat is received from the NAAP Peer.
Synopsis N/A
Action The NAAP Peer may be down. Check the ISD. Restart the NAAP Peer device if required.

Message NAAP WSM card DB sync sync size from master CPU incorrect, expected_size: <size> given_size> <size>
Severity Error
Description This message is generated when table synchronization fails.
Synopsis N/A
Action The slave CPU software version may differ from master CPU software version. Contact customer service if the problem persists.

Message New Mac -- Old Mac -- - Port -- being shut down
Severity Warning
Description This message is generated when a new MAC Address is seen on an 8021x authorized port.
Synopsis Possible security threat.
Action The port is shut down. Reinitialize the port.

Message	no nbr. drop hello pkt rxd from rtid <ipa> during table sync/ HA-CPU fail--over
Severity	Info
Description	This message is generated when the router receives OSPF hellos from new neighbors during table sync/ HA-CPU failover. To keep the OSPF database constant during table sync/ HA-CPU failover, the system drops hello packets to avoid creating new neighbors.
Synopsis	N/A
Action	None
Message	No rarMacAddress record of VR with BackupMasterState up
Severity	Error
Description	This message is generated when there is a memory problem.
Synopsis	Memory may be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	No VLAN for specified IfIndex __
Severity	Error
Description	This message is generated when the system cannot find the VLAN to enable the RSMLT.
Synopsis	This is a software error.
Action	Contact customer service.

Message Not able to add entry to remote mirroring packet list, vlan ID = <vlan-id>

Severity ERROR

Description This message is generated when the system cannot add the broadcast packet for remote mirroring.

Synopsis N/A

Action Disable and re-enable remote mirroring. Reboot the switch if the issue persists.

Message Not able to remove entry from remote mirroring packet list, vlan ID = <vlan-id>

Severity ERROR

Description This message is generated when the system cannot remove the broadcast packet for remote mirroring from the packet linked list.

Synopsis N/A

Action Disable remote mirroring. Reboot the switch if the problem persists.

Message oframe_alloc: buffer length too long

Severity Error

Description This message is generated when the length of the IP frame exceeds the maximum allowed frame buffer size.

Synopsis Length of IP frame is too long.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	os_init: failed init_avl
Severity	Fatal
Description	This message is generated if the system runs out of DRAM memory.
Synopsis	Insufficient DRAM memory
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospf_config_grp_table_sync_callback: msgLen <int> expected msg length <int > mismatch!!
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospf_do_kill_nbr: Impossible State
Severity	Fatal
Description	This message is generated when the system encounters an invalid state for the neighbor's current state of conversation.
Synopsis	Invalid current state of neighbor.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospf_largeoframe_alloc: buffer length too long than large fbflen= __
Severity	Error
Description	This message is generated when the length of the packet is greater than the Maximum declared size for it.
Synopsis	Requested size of the buffer exceeds the maximum allowed limit.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message

Message	ospf_lsdb_table_send_lsa: lsa does not fit in sync msg. lsid <ip address> msg size <size> required size <size>
Severity	Error
Description	This message is generated when the LSA on the master CPU does not fit in the framework message because it exceeds the supported maximum size of the LSA.
Synopsis	The LSDB on the hot-standby is not synchronized with the master CPU.
Action	Look for large LSAs on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospf_lsdb_table_sync: size mismatch. size of lsa_tbl_sync_entry = <size> SIZE_RC_OSPF_LSA_ENTRY = <size>
Severity	Error
Description	This message is generated when there is a mismatch of the real size and static size of the synchronization data-structure on the master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.
Message	ospf_lsdb_table_sync_callback: area is NULL. area id <area id>
Severity	Error
Description	This message is generated when the area ID specified by the master CPU is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospf_lsdb_table_sync_callback: LSA add failed.
Severity	Error
Description	This message is generated when adding an LSA on the secondary CPU fails. This could be caused by low memory on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospf_oframe_alloc: buffer length too long - len= __
Severity	Error
Description	This message is generated if the length of the OSPF buffer requested is greater than the Maximum allowed size.
Synopsis	OSPF buffer bigger than the maximum limit.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospf_oframe_free: trying to free a null buffer
Severity	Error
Description	This message is generated when an attempt is made to free a null memory for the OSPF frame.
Synopsis	Attempt to free a NULL buffer.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospf_receive: dropping pkt type: <packet type> from ipa <ipa> during table sync/HA-CPU fail-over
Severity	Info
Description	This message is generated when the router drops all OSPF packets other than hellos to keep the OSPF database constant during table synchronization or HA-CPU failover.
Synopsis	N/A
Action	None

Message ospfAddLsai - invalid lsa type
Severity Fatal
Description This message is generated if the type of LSA is invalid.
Synopsis Invalid LSA type to add the LSA ID.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfAddLsai - lsa len is > max_lsa_len
Severity Fatal
Description This message is generated if the LSA length is out of range.
Synopsis Invalid length of the LSA.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration and network topology for further analysis.

Message ospfAddLsai lsa type ___
Severity Fatal
Description This message is generated when the LSA type is invalid.
Synopsis Invalid LSA type.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration and network topology for further analysis.

Message ospfAddTent: couldn't allocate memory for path entry in the list
Severity Warning
Description This message is generated when the system cannot allocate memory for the path entry list.
Synopsis Unable to allocate memory.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfCopyIntfInfo: could not find the IpRec
Severity Fatal
Description This message is generated when an IP interface is not found for the given IP address.
Synopsis Unable to obtain IP interface from the database.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfCopyMsg2OsCirc: next hop circuit for virtual interface does not exist. abr id <ipa>
Severity Error
Description This message is generated when the OSFP next hop circuit for virtual circuit does not exist on the HA-CPU.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Force an SPF run and reboot the secondary CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfCopyOsCircData2Msg: bad transit area for virtual link to ABR rtid <ipa>
Severity	Error
Description	This message is generated when the transit area for the OSPF virtual circuit is not set.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfDistinTemplNotify: Could not allocate memory for distribute template
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis
Message	ospfDistinTemplSync: msgLen <len> expected msg length <len> mismatch!!
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message ospfExtLsaLink: calloc failed: could not link _ _ _ _
Severity Error
Description This message is generated when trying to allocate memory for the LSA index in a linked list.
Synopsis Memory allocation fails when trying to add a new element in the linked list.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfFindLsai: invalid lsa type
Severity Error
Description This message is generated if an invalid type is passed to find the LSA.
Synopsis Type out of range.
Action NA

Message ospfFlood: debug info
Severity Info
Description This message is generated before a Fatal error occurs because of an unclear LSA ID, Receive nbr state which system cannot identify.
Synopsis LSA reference count is not zero.
Action No action required.

Message ospfFlood: rx_nbr, rx_nbr_st and old rtx not clear
Severity Fatal
Description This message is generated before a Fatal error occurs because of an unclear LSA ID, Receive nbr state which system cannot identify.
Synopsis The system restarts because of a non-zero LSA reference count.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message opsfLeak - invalid path type ___

Message Fatal

Description This message is generated if an invalid path type is encountered when trying to leak into OSPF intra area.

Synopsis Invalid path type encountered.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfLsaRefresh netlinks - no circ for ipa=_._._._.

Severity Fatal

Description This message is generated when no OSPF circuit is found for the IP address during network links refresh.

Synopsis Unable to refresh network links.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfLsaRTXClr reference count is zero
Severity Fatal
Description This message is generated if the reference count of the LSA to be deleted from the retransmit list is zero.
Synopsis Reference count is 0.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfLsaTimeout: lsai is null
Severity Fatal
Description This message is generated when an invalid LSA identity is obtained.
Synopsis Invalid LSA encountered.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfModLeak: Area broken or not connected to backbone
Severity Warning
Description This message is generated if the area is not connected to the backbone. This follows an OSPF transit.
Synopsis Area broken or not connected to backbone.
Action Establish Virtual Neighbor ship for the area to the backbone.

Message	Ospf Nbr State Change rtid: ___ ipa: ___ nbr-rtid: ___
Severity	Info
Description	This message is generated if there is a change in the neighbor's state.
Synopsis	Neighbor state change.
Action	Internal change of state information.
Message	ospfNeighborRetransmit: nbr= __
Severity	Fatal
Description	This message is generated when the system encounters an invalid reference count for the LSA.
Synopsis	Invalid reference count for deletion.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfNodeTblSync: size mismatch. size of ospfNodeTblSync = <size> SIZE_RC_OSPF_NODE_TBL_ENTRY = <size>
Severity	Error
Description	This message is generated when there is a mismatch between the dynamic size of tOspfNodeSyncEntry structure and static size SIZE_RC_OSPF_NODE_TBL_ENTRY.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the image versions on both CPUs. Contact customer service and have the following information available: software versions on both CPUs.

Message	ospfNodeTblSyncCallback: msgLen <length> expected msg length <len> mismatch!!
Severity	Error
Description	This message is generated when there is a mismatch between the expected size and received size for OSPF Node table synchronization message.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check software versions on both CPUs. Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfOsCircuitTblEntrySync: size mismatch. size of tOsCircTblSync = <size> SIZE_OSPF_CIRCUIT_TABLE_ENTRY = <size>
Severity	Error
Description	This message is generated when there is a mismatch between the real size and static size of the synchronization data-structure on the master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.
Message	ospfOsCircuitTblEntrySyncCallback: msg length mismatch: expected size <size> rxd size <size>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message ospfProcDDP: interface is null
Severity Fatal
Description This message is generated when processing DDP packets and the system discovers that the interface is null.
Synopsis Invalid interface.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfProcHello: netmask mismatch ipa= _._._._
Severity Info
Description This message is generated due to a mismatch in the netmask of the hello packet and interface.
Synopsis Netmask mismatch between hello packet and interface.
Action Enter proper IP network and netmask of the area.

Message ospfProcHello: option-e or n mismatch ipa=_._._._
Severity Info
Description This message is generated when there is a mismatch between the hello packet options and the area options.
Synopsis Mismatch between the E and N options.
Action Set valid network options.

Message	ospfProcLSU: interface is null
Severity	Fatal
Description	This message is generated when the system encounters an invalid OSPF interface when sending an LSU.
Synopsis	Invalid OSPF interface encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfRedistinTemplNotify: Could not allocate memory for redistribute template
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfRedistinTemplSync: msgLen <len> expected msg length <len> mismatch
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfRetransDel count 0
Severity	Fatal
Description	This message is generated if the reference count of the LSA to be deleted from the retransmit list is zero.
Synopsis	No node to delete.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfRTXLink: failed to add
Severity	Fatal
Description	This message is generated when a new link cannot be inserted in the nbr retransmission list.
Synopsis	Unable to insert an entry in the rtx list.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfSpfExtern: Running Incremental SPF when it is turned off
Severity	Error
Description	This message is generated when incremental SPF is run even after disabling it.
Synopsis	Running incremental SPF even after being disabled.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSpfInter: Running Incremental SPF when it is turned off
Severity	Error
Description	This message is generated when incremental SPF is run even after disabling it.
Synopsis	Running incremental SPF even after being disabled.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_add_ase_notify_list: ase sync malloc failed. size = <int>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_add_route_notify_list: lsai is NULL. route dst <ipa> nhop <int>
Severity	Error
Description	This message is generated when the LSA pointer for the next hop of the OSPF route is invalid.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Force an SPF run and reboot the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_add_route_notify_list: memory allocation FAILED
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_add_t7ase_notify_list: ase sync malloc failed. size <int>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_adj_change_event_callback: msg length mismatch. master msglen = <len> expected msglen = <len>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_adj_change_event_callback: NULL nbr <ipa>
Severity	Error
Description	This message is generated when the OSPF neighbor specified by the master CPU is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_adj_change_event_callback:OSPF_ESTABLISH _NBR bad nbr state: nbr <ipa>
Severity	Error
Description	This message is generated when the adjacency change event is received from master CPU and the neighbor state on the HA-CPU is invalid.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_area_aggregate_tbl_set_event: event sync FAILED
Severity	Error
Description	This message is generated when the framework synchronization message sent to HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_area_config_address_range_sync: invalid range type <type>
Severity	Error
Description	This message is generated when the ospf area range type is invalid.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_area_config_address_range_sync: size mismatch. size of cfg_range_sync_entry = <size> SIZE_OSPF_CFG_RANGE_SYNC_ENTRY = <size>
Severity	Error
Description	This message is generated when there is a mismatch between the real size and static size of synchronization data-structure on the master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.
Message	ospfsync_area_config_address_range_sync_callback: area id <area id> does NOT exist
Severity	Error
Description	This message is generated when the area ID specified by the master CPU is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_area_config_address_range_sync_callback: cfg range memory allocation FAILED. area_id. = <area id> cfg range ipa <ipa>
Severity	Error
Description	This message is generated when memory allocation fails on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_area_entry_sync: FAILED area id = <area id>
Severity	Error
Description	This message is generated when the framework message to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Try rebooting the secondary CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis
Message	ospfsync_area_entry_sync: size mismatch. size of area_sync_entry = <size> SIZE_RC_OSPF_AREA_SYNC_ENTRY = <size>
Severity	Error
Description	This message is generated when there is a mismatch between the real size and static size of the synchronization data-structure on the master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_area_entry_sync_callback: area <area id> exists.
Severity	Error
Description	This message is generated when the HA-CPU already has the area that is being synchronized by the Master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_area_entry_sync_callback: backbone area not created.
Severity	Error
Description	This message is generated when the hot-standby OSPF data is not synchronized with the master CPU.
Synopsis	Backbone area is not created on the HA-CPU during system initialization.
Action	Check the memory statistics on the HA-CPU. Try rebooting the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_area_entry_sync_callback: memory allocation failed. area id <area ipa>
Severity	Error
Description	This message is generated when memory allocation fails on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_area_entry_sync_callback: msgLen <len> expected msg length <len> mismatch!!
Severity	Error
Description	This message is generated when there is a mismatch between the data-structure size on the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_ase_header_callback: invalid list type <type>
Severity	Error
Description	This message is generated when an invalid AS External Header type is received by the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_ase_header_callback: out of memory.
Severity	Error
Description	This message is generated when memory allocation fails on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_ase_header_cb: ase header empty
Severity	Fatal
Description	This message is generated when initialization of AS External Header list fails on the HA-CPU.
Synopsis	N/A
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_ase_header_cb: ase summ header empty
Severity	Fatal
Description	This message is generated when initialization of AS External Summary Header list fails on the HA-CPU.
Synopsis	N/A
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_ase_header_cb: ase_sync_entry size mismatch. size = <len> rxd = <len>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_ase_header_notify: invalid list type <type>
Severity	Error
Description	This message is generated when the As external list type is invalid.
Synopsis	N/A
Action	Contact customer service and have the following information available: runtime software version on master CPU.
Message	ospfsync_ase_header_notify: malloc failed. msg length <length>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_ase_header_notify: size mismatch. size of ase_sync_entry = <size> SIZE_OSPF_ASE_SYNC_ENTRY = <size>
Severity	Error
Description	The message is generated when there is a mismatch between real size and static size of the synchronization data-structure on the master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_bad_ls_request_event: sync failed!
Severity	Error
Description	This message is generated when the Sending synchronization message to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the Master CPU.Contact customer service and have the following information available: system logs including any memory dumps, switch configuration.
Message	ospfsync_bad_ls_request_event_callback: msg length mismatch. master msglen = <int> expected msglen = <int>
Severity	Error
Description	This message is generated when there is a mismatch of the data-structure size between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_bad_ls_request_event_callback: nbr <ipa> NOT found.
Severity	Error
Description	This message is generated when the OSPF neighbor specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_build_my_lsa_callback: invalid area_pt for area_id <ipa>
Severity	Error
Description	This message is generated when the OSPF area specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_build_my_lsa_callback: lsa is NOT in lsdb. lsid: <ipa> adv_rtr <ipa> ls type <int> master's seq <int> area <ipa>
Severity	Error
Description	This message is generated when the LSA is not in LSDB of the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_build_my_lsa_callback: lsa LSA_REBUILD already set. lsid: <ipa> adv_rtr <ipa> ls type <int> master's seq <int> area id <ipa>
Severity	warning
Description	This message is generated when the rebuilding of the LSA on the HA-CPU does not happen in a timely fashion.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_build_my_lsa_callback: msg length mismatch. master msglen = <int> expected msglen <int>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, configuration, and network topology for further analysis.
Message	ospfsync_build_my_lsa_event: malloc failed lsid <ipa> adv_rtr <ipa> type <int>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_build_my_lsa_event: size mismatch. size of lsa_sync_entry = <int> lsa_sync_entry = <int>
Severity	Error
Description	This message is generated when there is a mismatch between the real size and static size of the synchronization data-structure on the master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_check_dr_event_cb: need DR flag already set: circ <ipa>
Severity	Error
Description	This message is generated when the DR election flag is still set on the ospf circuit on the HA-CPU.
Synopsis	Hot-standby OSPF data may not be synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_check_dr_event_cb: need_dr already false.
Severity	Warning
Description	This message is generated when the DR election flag is not set on the HA-CPU.
Synopsis	Hot-standby OSPF data may not be synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_circuit_table_entry_callback: area <ipa> is NULL.
Severity	Error
Description	This message is generated when the area ID specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_circuit_table_entry_callback: circ <ipa> consistency Check FAILED.
Severity	Error
Description	This message is generated when the creation of the OSPF circuit on the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_circuit_table_entry_callback: circ <ipa> already exists.
Severity	Error
Description	This message is generated when the OSPF circuit already exists on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_circuit_table_entry_callback: circ <ipa> creation FAILED.
Severity	Error
Description	This message is generated when the creation of the OSPF circuit on the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_circuit_table_entry_callback: circ <ipa> IpRec is NOT found.
Severity	Error
Description	This message is generated when the IP record associated with the OSPF circuit is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_conf_area_table_set_event: event sync failed.
Severity	Error
Description	This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_conf_grp_set_event: event sync failed.
Severity	Error
Description	This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_conf_metric_grp_set_event: event sync failed
Severity Error
Description This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_copy_lsai_info: invalid pointer
Severity Error
Description This message is generated when the pointer to the real LSA in the LSAI structure is invalid.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Force an SPF run on the master CPU and reboot the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_copy_nbr_info: NULL circ_pt for nbr <ipa>
Severity Error
Description This message is generated when the circuit information in neighbor data-structure is not valid.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_copy_nhop_info: invalid area_pt for area_id <ipa>
Severity	Error
Description	This message is generated when the area ID specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_copy_nhop_info: lsa is NOT in lsdb. lsid: <ipa> adv_rtr <ipa> ls type <int>
Severity	Error
Description	This message is generated when the LSA specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_create_sanity_check_timer: creation failed.
Severity	Error
Description	This message is generated when the OSPF sanity-check-timer creation fails on the master CPU.
Synopsis	Periodic sanity checking between the CPUs fails.
Action	Check the memory statistics on the failed CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_create_tic_sync_timer: creation failed.
Severity	Error
Description	This message is generated when the synchronization timer creation on the master CPU fails.
Synopsis	OSPF tic synchronization between the CPUs fails.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_ddp_rx_event_callback: nbr <ipa> NOT found.
Severity	Error
Description	This message is generated when the OSPF neighbor specified by the master CPU is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data may not be synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_ddp_rx_event_callback: length mismatch. master msglen <len> expected msglen = <len>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message ospfsync_electdr_event_callback invalid area <ipa>
Severity Error
Description This message is generated when the area ID specified by the master CPU is not found on the HA-CPU.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message ospfsync_electdr_event_callback: invalid circuit <ipa>
Severity Error
Description This message is generated when the OSPF circuit specified by the master CPU is not found on the HA-CPU.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files

Message ospfsync_electdr_event_callback: msg length mismatch. master msglen = <len> expected msglen = <len>
Severity Error
Description This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_event_handler: unknown msg type <msg type>
Severity	Warning
Description	This message is generated when a Secondary CPU does not recognize the received OSPF message type.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Load compatible L3 redundancy software versions on the master and secondary CPUs. Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_event_handler: unsupported version <id>
Severity	Error
Description	This message is generated when the secondary CPU does not support the OSPF framework version that is loaded on the master CPU. OSPF framework versions between the CPUs do not match.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Load compatible L3 redundancy software versions on the master and secondary CPUs. Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_event_sync: send failed. even id <event id>
Severity	Error
Description	This message is generated when the generic OSPF event synchronization fails due to an error in framework message sending.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_find_neighbor: area <ipa> is NULL.
Severity Error
Description This message is generated when the area ID specified by the master CPU is not found on the HA-CPU.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message ospfsync_find_neighbor: ospf circuit NOT found! circuit ipa<ipa> circuit type <type> nbr ipa <ipa>
Severity Error
Description This message is generated when the circuit ID specified by the master CPU is not found on the HA-CPU.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message ospfsync_free_ase_notify_list: possible memory leak
Severity Error
Description This message is generated when the possible framework buffer leak as allocated and the freed buffer counters do not match.
Synopsis This condition may cause a framework memory leak.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_free_proc_redis_notify_list: possible memory leak.
Severity	Error
Description	This message is generated when not all framework buffers are freed.
Synopsis	This condition may cause a framework memory leak.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_free_summ_notify_list: possible memory leak.
Severity	Error
Description	This message is generated when the sent and freed element count for ospf summary headers do not match.
Synopsis	There may be a framework buffer leak.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_hello_rx_event_callback invalid NBMA event for nbr <ipa>
Severity	NEED CODE HERE
Description	This message is generated when the NBMA circuit state is incorrect.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_hello_rx_event_callback: area does not exist. area id <ipa>
Severity	Error
Description	This message is generated when the area ID specified by the master CPU is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_hello_rx_event_callback: circuit does not exist. nbr ipa <ipa>
Severity	Error
Description	This message is generated when the OSPF circuit specified by the master CPU is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_hello_rx_event_callback: create nbr <ipa> failed.
Severity	Error
Description	This message is not generated when the neighbor creation fails on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_hello_rx_event_callback: nbma priority did not change for nbr <ipa>
Severity	Warning
Description	This message is generated when the priority change of NBMA nbr did not occur on the HA-CPU.
Synopsis	Hot-standby OSPF data may get out of synchronization with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_hello_rx_event_callback: nbr <ipa> does not exist. mask <val>
Severity	Error
Description	This message is generated when the OSPF neighbor does not exist on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_hello_rx_event_callback: nbr <ipa> exists.
Severity	Error
Description	This message is generated when the system cannot create a new neighbor because it already exists on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_hello_rx_event_callback: virtual interface " is not ready for nbr <ipa>
Severity	Error
Description	This message is generated when the virtual interface state is incorrect.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_host_route_sync: size mismatch. size of host_rt_sync_entry <size> SIZE_OSPF_HOST_RT_SYNC_ENTRY = <size>
Severity	Error
Description	This message is generated when there is a mismatch between the real and static sizes of host_rt_sync_entry.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on the master CPU.
Message	ospfsync_host_route_sync_callback: host_rt_sync_entry size mismatch. expected size <size> rxd size <size>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_host_route_sync_cb: host route add FAILED. host ipa <ip address> area <area id>
Severity	Error
Description	This message is generated when adding the OSPF host route entry fails on the secondary CPU. This condition may be caused by low memory.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_init_ase_notify_list: possible memory leak
Severity	Error
Description	This message is generated when there is a possible framework buffer leak because allocated and freed buffer counters do not match.
Synopsis	This condition may cause a framework memory leak.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_init_proc_redis_notify_list: possible memory leak
Severity	Error
Description	This message is generated when there is a possible framework buffer leak because allocated and freed buffer counters do not match.
Synopsis	This condition may cause a framework memory leak.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_init_route_notify_list: possible memory leak

Severity Error

Description This message is generated when there is a mismatch between the sent and freed element count for the OSPF route notify list.

Synopsis There may be a framework buffer leak.

Action Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_init_summ_notify_list: possible memory leak

Severity Error

Description This message is generated when there is a mismatch between the sent and freed element count for OSPF summary headers.

Synopsis There may be a framework buffer leak.

Action Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_ip_conf_table_event: send failed: setmask <hex> ifindex <int>

Severity Error

Description This message is generated when the framework synchronization message sent to the HA-CPU fails.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsa_timer_event: ha_lsa_pt is NULL.
Severity	Error
Description	This message is generated when the LSA pointer passed on to the above function is NULL.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_lsa_timer_event: sync msg failed for lsid <ipa> type <int> adv_rtr <ipa>
Severity	Error
Description	This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_lsa_timer_event_callback: invalid area_pt for area_id <ipa>
Severity	Error
Description	This message is generated when the area ID specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_lsa_timer_event_callback: lsa is NOT in lsd. lsid: <ipa> adv_rtr <ipa> ls type <int> area id <ipa> master's ls seq <int> ospfsync_init_t7ase_notify_list: possible memory leak
Severity	Error
Description	This message is generated when there is a possible framework buffer leak because there is a mismatch between the allocated and freed buffer counters.
Synopsis	This condition may cause a framework memory leak.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_lsa_timer_event_callback: msg length mismatch. master msglen = <int> expected msglen = <int>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_lsack_event_callback: cannot find retransmit element. nbr <ipa> lsid <ipa> advrtr <ipa> ls_type <int>
Severity	Error
Description	This message is generated when the retransmission element is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsack_event_callback: data-structure size mismatch. size of ha_nbr_info = <int> received size = <int> lsa_sync_entry <int> received size <int>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_lsack_event_callback: nbr does not exist. nbr ipa <ipa>
Severity	Error
Description	This message is generated when the OSPF neighbor specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_lsupdate_rx_event: lsa is NULL.
Severity	Error
Description	This message is generated when the LSA to be sent to the HA-CPU is NULL.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files and system logs.

Message	ospfsync_lsupdate_rx_event: malloc failed for nbr ipa <ipa> lsid <ipa> length <int>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_lsupdate_rx_event: send failed for nbr ipa <ipa> lsid <ipa>
Severity	Error
Description	This message is generated when sending the message to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_lsupdate_rx_event_callback: lsa add failed for lsid <ipa>
Severity	Error
Description	This message is generated when adding a new LSA on the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsupdate_rx_event_callback: lsa flood failed for lsid <ipa>
Severity	Error
Description	This message is generated when the hot-standby OSPF data is not synchronized with the master CPU.
Synopsis	Check memory statistics on the HA-CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_lsupdate_rx_event_callback: msg length mismatch. master msglen = <int> expected msglen = <int> lsa length <int>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_lsupdate_rx_event_callback: nbr <ipa> NOT found.
Severity	Error
Description	This message is generated when the OSPF neighbor specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsupdate_rx_event_cb: add lsa failed: lsid <ipa> seq <int> exists.
Severity	Error
Description	This message is generated when the system cannot add a new LSA because another instance exists on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_lsupdate_rx_event_cb: BAD event mask <int>. LSA does not exist! lsid <ipa> adv_rtr <ipa> type <int> seq <int> area <ipa>
Severity	Error
Description	This message is generated when LSA does not exist on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_lsupdate_rx_event_cb: delete old request for lsid <ipa> for nbr <ipa> FAILED.
Severity	Error
Description	This message is generated when the deletion of an LS request on the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsupdate_rx_event_cb: update lsa failed for lsid <ipa>for nbr <ipa>
Severity	Error
Description	This message is generated when LSA update on the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_nbma_nbr_entry_callback: area id = <area id> not found.
Severity	Error
Description	This message is generated when the area ID specified by the master CPU is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_nbma_nbr_entry_callback: circuit not found. circuit ipa = <circuit ipa>
Severity	Error
Description	This message is generated when the OSPF circuit specified by the master CPU is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbma_nbr_entry_callback: msgLen <len> expected msg length <len> mismatch!!
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_nbma_nbr_entry_callback: NBMA nbr add FAILED. NBMA Neighbor ipa <ipa>
Severity	Error
Description	This message is generated when the NBMA neighbor addition fails on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_nbma_nbr_inactive_event_cb: cannot find NBMA nbr <ipa>
Severity	Error
Description	This message is generated when the NBMA neighbor specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbma_nbr_table_notify: size mismatch. size of nbma_dst_sync_entry = <size> SIZE_OSPF_NBMA_NBR_TABLE_ENTRY = <size>
Severity	Error
Description	This message is generated when there is a synchronization data-structure mismatch on the master CPU between real size and static size.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.
Message	ospfsync_nbr_change_state: invalid circ_pt\
Severity	Error
Description	This message is generated when the OSPF circuit specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files and system logs.
Message	ospfsync_nbr_change_state: ls request list is not empty: nbr <ipa>
Severity	Error
Description	This message is generated when the neighbor state is changed to FULL. The LS request list is not empty on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Reboot the HA-CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_entry_callback: cannot create NBR <ipa>
Severity	Error
Description	This message is generated when the system cannot create a neighbor on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_nbr_entry_callback: msgLen <len> expected msg length <len mismatch!!
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_nbr_entry_callback: Nbr <ipa> exists.
Severity	Error
Description	This message is generated when the HA-CPU already has the neighbor that is synchronized by the master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_inactive_event: sync msg failed for nbr ipa <ipa>
Severity	Error
Description	This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_nbr_inactive_event_callback: msg length mismatch. master msglen = <int> expected msglen = <int>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_nbr_inactive_event_callback: nbr <ipa> NOT found.
Severity	Error
Description	This message is generated when the neighbor specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_reqlist_add_callback: lsreq malloc FAILED for lsid <ipa> nbr <ipa>
Severity	Error
Description	This message is generated when memory allocation fails on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_nbr_reqlist_add_callback: nbr <ipa> NOT found.
Severity	Error
Description	This message is generated when the OSPF neighbor specified by the master CPU is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_nbr_reqlist_add_callback: nbr <ipa> state <state> is invalid.
Severity	Error
Description	This message is generated when the OSPF neighbor state on the HA-CPU is not valid to receive LS requests.
Synopsis	Hot-standby OSPF data may not be synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_nbr_reqlist_add_cb: size mismatch: ha_nbr_info size = <size> received size = <size>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_nbr_reqlist_add_cb: size mismatch: lsreq_sync_entry size = <size> received size = <size>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_nbr_reqlist_add_event: consistency check failed. ha_nbr_info size of <size> SIZE_OSPF_NBR_INFO_ENTRY = <size> lsreq_sync_entry size <size> SIZE_OSPF_LSREQ_SYNC_ENTRY = <size>
Severity	Error
Description	This message is generated when there is a mismatch between the real and static sizes of the synchronization data on the master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_nbr_reqlist_add_event: malloc failed. size = <size> nbr ipa <ipa>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_nbr_reqlist_add_event: sync FAILED. nbr ip <ipa>
Severity	Error
Description	This message is generated when sending the message to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_nbr_rtxlist_add_event: consistency check failed. ha_nbr_info size of <size> SIZE_OSPF_NBR_INFO_ENTRY = <size> lsa_sync_entry size <size> SIZE_OSPF_LSA_SYNC_ENTRY = <size>
Severity	Error
Description	This message is generated when there is a mismatch on the master CPU between the real and static size of the synchronization data structure.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_nbr_rtxlist_add_event: malloc failed! size = <size>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_nbr_rtxlist_add_event_cb: nbr <ipa> NOT found.
Severity	Error
Description	This message is generated when the OSPF neighbor specified by the master CPU is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_nbr_rtxlist_add_event_cb: adding to rtx list failed. nbr ipa <ipa> lsid <ipa> adv_rtr <ipa> type <type> seq <seq>
Severity	Error
Description	This message is generated when adding the retransmission element fails on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_rtxlist_add_event_cb: invalid area_pt for area_id <ipa>
Severity	Error
Description	This message is generated when the OSPF area specified by the master CPU is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_nbr_rtxlist_add_event_cb: lsa is NOT in lsd. lsid: <ipa> adv_rtr <ipa> ls type <type> master's seq # <seq>.
Severity	Error
Description	This message is generated when the OSPF LSA specified by the master CPU is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.
Message	ospfsync_nbr_rtxlist_add_event_cb: size mismatch: ha_nbr_info size = <size> received size <size>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_nbr_rtxlist_add_event_cb: size mismatch: lsa_sync_entry size = <size> received size <size>.
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_nbr_table_notify: size mismatch. size of tNbrTblSyncEntry = <size> SIZE_OSPF_NBR_TABLE_ENTRY = <size>
Severity	Error
Description	This message is generated when there is a mismatch between the real and static size of the synchronization data-structure on the master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.
Message	ospfsync_nssa_translator_change_event: send failed. area id <ipa>
Severity	Error
Description	This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nssa_translator_change_event_cb: area id <ipa> does NOT exist.
Severity	Error
Description	This message is generated when the area ID specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_proc_add_ext_rt: (more specific) add import summ failed. ase dst <ipa>
Severity	Error
Description	This message is generated when adding appendix E case AS external header fails on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_proc_add_ext_rt: add import summ failed. ase dst <ipa>
Severity	Error
Description	This message is generated when adding AS external header fails on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_add_ext_rt: add new failed as ASE exists. ase dst <ipa>
Severity	Error
Description	This message is generated when the AS External header already exists on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_proc_add_ext_rt: add summ ase failed. ase ipa <ipa>
Severity	Error
Description	This message is generated when adding AS External summary header fails on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_proc_add_ext_rt: appendix E case mismatch. appendix E case not found
Severity	Error
Description	This message is generated when the system cannot find the appendix E case AS External header on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_add_ext_rt: ase does not exist to modify. ase dst <ipa>
Severity	Error
Description	This message is generated when the AS External header is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_proc_add_ext_rt: cannot find summ ase <ipa>
Severity	Error
Description	This message is generated when the system cannot find the AS External header on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_proc_add_ext_rt: could not allocate memory for ASE.
Severity	Error
Description	This message is generated when memory allocation fails on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_proc_all_redis_callback: size mismatch.
redist_route_sync_entry size = <int> rxd size <int>

Severity Error

Description This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU.

Action Contact customer service and have the following information available: runtime software versions on both CPUs.

Message ospfsync_proc_all_redis_callback: size mismatch.
ase_sync_entry size = <int> rxd size <int>

Severity Error

Description This message is generated when the framework synchronization message sent to the HA-CPU fails.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_proc_add_ext_rt: cannot find summ ase <ipa>

Severity Error

Description This message is generated when the system cannot find the AS External header on the HA-CPU.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_del_ext_rt: exact match not found. rxed ase dst <ipa> mask <ipa> src <int> type <int> cost <int>
Severity	Error
Description	This message is generated when the system cannot find the AS External summary header on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_proc_del_ext_rt: invalid ase. rxed ase dst <ipa> mask <ipa> src <int> type <int> cost <int>
Severity	Error
Description	This message is generated when the system cannot find the AS External summary header on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_proc_redis_ase_event_cb: FAILED for ase ip add ipa> mask <ipa> sync_flag <hex>
Severity	Error
Description	This message is generated when the processing redistribute event on the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_redis_ase_event_cb: unknown sync flag = <hex>
Severity	Error
Description	This message is generated when the synchronization flag received by the HA-CPU is not recognized.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Compare software versions between the CPUs. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_route_event_cb: add route FAILED. a route to dst <ipa> found.
Severity	Error
Description	This message is generated when the add route on the HA-CPU fails because a route already exists.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_route_event_cb: add route FAILED. route dst <ipa>
Severity	Error
Description	This message is generated when the add route on the HA-CPU fails. This condition may be caused by low memory.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_route_event_cb: modify route FAILED. route to dst <ipa> not found.
Severity	Error
Description	This message is generated when the route modification fails on the HA-CPU because the route is not found.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_route_event_cb: msg length mismatch. master msglen = <int> expected msglen <int>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_route_table_cb: route add FAILED. dst <ipa/mask> first nhop <ip address>
Severity	Error
Description	This message is generated when adding the OSPF route on the HA-CPU fails during table synchronization. This may be caused by low memory.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_route_table_cb: route_sync_entry size mismatch. size <size> rxd <size>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_route_table_notify: arp entry is null. route dst <ip address/mask>
Severity	Error
Description	This message is generated when the OSPF route on the master CPU does not have an ARP entry for the next hop. This may be caused by low memory.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_route_table_notify: size mismatch. size of route_sync_entry = <size> SIZE_OSPF_ROUTE_SYNC_ENTRY = <size>
Severity	Error
Description	This message is generated when there is a mismatch between the real and static size of the synchronization data-structure on the master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_sanity_check_callback: size mismatch. ha-cpu's area_lsa_cksum_sync_entry size = <int> received size = <int>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_sanity_check_cb: area does not exist. area id <ipa>
Severity	Error
Description	This message is generated when the area ID specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_sanity_check_event: expired timers found. count <int>
Severity	Warning
Description	This message is generated when expired timers are not removed within the designated interval during table synchronization or during the HA-CPU to master failover.
Synopsis	OSPF data may become stale.
Action	Check CPU utilization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_sanity_check_event: malloc failed! msg_length = <int>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_sanity_check_event: send failed
Severity	Error
Description	This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_send_all_redis_notify_lists: bad ase_notify_list counter. cnt = <int> ase_notify_list.cnt = <int>
Severity	Error
Description	This message is generated when the number of sent entries and the number of elements in the notify list do not match.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_send_all_redis_notify_lists: bad redist_route_notify_list counter. cnt = <int> redist_route_notify_list.cnt <int>
Severity	Error
Description	This message is generated when the number of sent entries and the number of elements in the notify list do not match.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_send_all_redis_notify_lists: malloc failed. size = <int>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_send_all_redis_notify_lists: notify FAILED
Severity	Error
Description	This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_send_lsack_notify_list: bad ls_ack_notify_list count = <int>
Severity	Error
Description	This message is generated when there is a mismatch between the accumulated LS ACK elements and the actual number of LS ACK elements synchronized to the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_send_lsack_notify_list: malloc failed. size <int>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_send_lsack_notify_list: notify FAILED. nbr ipa = <ipa>
Severity	Error
Description	This message is generated when the framework message sent to HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check memory statistics on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_send_route_notify_list: FAILED. route destination = <ipa>
Severity	Error
Description	This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_send_t7leak_notify_list: FAILED. ase destination <ipa>
Severity	Error
Description	This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_spf_run_event_cb: invalid area ptr. a_id = <ipa>
Severity	Error
Description	This message is generated when the area ID specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_event_callback: add FAILED. summary header exists. summ net <ipa> mask <ipa> type <int> sync_flag <int>
Severity	Error
Description	This message is generated when the OSPF summary header already exists on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_summ_event_callback: invalid area for sh summ net <ipa> mask <ipa> type <int> sync_flag <int>
Severity	Error
Description	This message is generated when the area ID specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_summ_event_callback: invalid old nexhop area id <ipa> for sh summ net <ipa> mask <ipa> type <int> sync_flag <int>
Severity	Error
Description	This message is generated when the area ID specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_event_callback: invalid summ hdr state: local summary header not updated. summ net <ipa> mask <ipa> type <int> sync_flag
Severity	Error
Description	This message is generated when an invalid synchronization flag state is received from the master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the software version on both CPUs. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_summ_event_callback: update NEW FAILED. current summ state <int> summ net <ipa> mask <ipa> type <int> sync_flag <int>
Severity	Error
Description	This message is generated when there is an invalid summary header flag on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_summ_event_callback: update summary FAILED. summary header does not exist. summ net <ipa> mask <ipa> type <int> sync_flag <int>
Severity	Error
Description	This message is generated when the OSPF summary header is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_event_cb: msg length mismatch. master msglen = <int> expected msglen = <int>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_summ_header_callback: source or next hop areas does not exist for sh summ net <ipa> mask <ipa> type <type> sync_flag <val>
Severity	Error
Description	This message is generated when the summary-header-related area information is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_summ_header_callback: out of memory.
Severity	Error
Description	This message is generated when the system cannot allocate memory for the summary header on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_header_cb: summhdr_sync_entry size mismatch. size <size> rxd = <size>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_summ_header_notify: malloc failed. msg len <length>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_summ_header_notify: size mismatch. size of summhdr_sync_entry = < size > SIZE_OSPF_SUMMHDR_SYNC_ENTRY = <size>
Severity	Error
Description	This message is generated when there is a mismatch between the real and static size of the synchronization data-structure on the master CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_t7leak_event_cb: cannot create entry for dest <ipa>
Severity	Error
Description	This message is generated when the memory allocation fails on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_t7leak_event_cb: msg length mismatch. master msglen = <int> expected msglen = <int>
Severity	Error
Description	This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfsync_t7leak_event_cb: T7 leaked entry does not exist for dest <ipa>
Severity	Error
Description	This message is generated when the modification fails because the Type 7 summary header is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_t7leak_event_cb: T7 leaked entry exists for dest <ipa>
Severity Error
Description This message is generated when the add fails because the Type 7 Summary header already exists on the HA-CPU.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_table_sync_done: malloc failed.
Severity Error
Description This message is generated when the framework-message memory allocation fails.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_tic_sync_event: failed
Severity Error
Description This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_update_translate_event: area is NULL.
Severity Error
Description This message is generated when the area pointer passed to above function is NULL.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_update_translate_event: invalid msg mask = <hex>
Severity Error
Description This message is generated when an invalid message mask is passed to the above function.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_update_translate_event: "msg sent failed. msg mask = <hex>
Severity Error
Description This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_update_translate_event_callback: area id <ipa> does NOT exist.
Severity	Error
Description	This message is generated when the area ID specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_update_virtual_link_event_cb: area <ipa> not found
Severity	Error
Description	This message is generated when the area ID specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis
Message	ospfsync_update_virtual_link_event_cb: virtual circuit creation failed to abr = <ipa>
Severity	Error
Description	This message is generated when the virtual circuit creation on the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_update_virtual_link_event_cb: virtual circuit exists to abr! rtid = <ipa>
Severity	Error
Description	This message is generated when the virtual circuit already exists on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_vc_circuit_table_entry_callback: virtual circuit creation to ABR <ipa> FAILED.
Severity	Error
Description	This message is generated when the creation of OSPF virtual circuit on the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_vc_circuit_table_entry_callback: virtual circuit to ABR <ipa> creation FAILED.
Severity	Error
Description	This message is generated when the creation of the OSPF virtual circuit on the HA-CPU fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_virtual_circ_event: sync failed. virtual rtid <ipa>
Severity Error
Description This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_virtual_circ_event_cb: area does not exist. area id <ipa>
Severity Error
Description This message is generated when the area ID specified by the master CPU cannot be found on the HA-CPU.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfsync_virtual_circ_event_cb: msg length mismatch. expected size <int> rxd size <int>
Severity Error
Description This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_virtual_circ_event_cb: real circuit not found. circ ipa <ipa> area id <ipa> ABR router id <ipa>
Severity	Error
Description	This message is generated when the physical ospf circuit for virtual interface is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_virtual_circ_event_cb: transit area does not exist. area id <ipa> vlink rtid <ipa>
Severity	Error
Description	This message is generated when the area ID specified by the master CPU cannot be found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfsync_virtual_circ_event_cb: virtual circuit not found. vlink rtid <ipa>
Severity	Error
Description	This message is generated when the OSPF virtual circuit is not found on the HA-CPU.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncCallback: unknown msg type <msg type>
Severity	Warning
Description	This message is generated when the secondary CPU does not recognize the received OSPF message type.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Load the compatible L3 redundancy software versions on the master and secondary CPUs. Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfSyncCallback: unsupported version <version id>
Severity	Error
Description	This message is generated when the secondary CPU does not support the OSPF framework version that is loaded on the master CPU. OSPF framework versions between the CPUs do not match.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Load compatible L3 redundancy software versions on the master and secondary CPUs. Contact customer service and have the following information available: runtime software versions on both CPUs.
Message	ospfProcLSR: invalid - circuit is NULL
Severity	Fatal
Description	This message is generated if the interface is null due to internal protocol error.
Synopsis	Invalid interface encountered
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfSyncNotify: ospf_config_grp_table_notify: FAILED.
Severity Error
Description This message is generated when the table synchronization of the OSPF configuration group mib table fails.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfSyncNotify: ospf_lsdb_table_entry_sync FAILED.
Severity Error
Description This message is generated when the table synchronization of the OSPF LSDB table fails.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfSyncNotify: ospfDistinTemplNotify FAILED.
Severity Error
Description This message is generated when the table synchronization of the OSPF redistribute template information fails.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfSyncNotify: ospfNodeTblSync FAILED

Severity Error

Description This message is generated when table synchronization of the OSPF Node data fails.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU.

Action Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfSyncNotify: ospfOsCircuitTblEntrySync (virtual interface) FAILED

Severity Error

Description This message is generated when the table synchronization of the OSPF virtual interfaces fails.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU.

Action Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfSyncNotify: ospfOsCircuitTblEntrySync FAILED

Severity Error

Description This message is generated when the table synchronization of the OSPF interfaces (circuits) fails.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU.

Action Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfSyncNotify: ospfRedistinTemplNotify FAILED.

Severity Error

Description This message is generated when the table synchronization of the OSPF redistribute template information fails.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU.

Action Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfSyncNotify: ospfsync_area_table FAILED.

Severity Error

Description This message is generated when the table synchronization of the OSPF area table fails.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU.

Action Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfSyncNotify: ospfsync_ase_header_notify: (ase header) FAILED.

Severity Error

Description This message is generated when the table synchronization of the OSPF AS External header information fails.

Synopsis Hot-standby OSPF data is not synchronized with the master CPU.

Action Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfsync_ase_header_notify: (ase summary header) FAILED.
Severity	Error
Description	This message is generated when the table synchronization of the OSPF AS External summary headers fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfSyncNotify: ospfsync_ase_header_notify: (t7 leaked ase header) FAILED.
Severity	Error
Description	This message is generated when the table synchronization of the OSPF type-7 AS External header information fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfsync_host_route_sync FAILED.
Severity	Error
Description	This message is generated when the table synchronization of the OSPF host route entries fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfSyncNotify: ospfsync_nbr_table_notify (virtual interface) FAILED.
Severity	Error
Description	This message is generated when the table synchronization of the OSPF neighbors learned on the virtual interfaces fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ospfSyncNotify: ospfsync_nbr_table_notify FAILED.
Severity	Error
Description	This message is generated when the table synchronization of the OSPF dynamic neighbor table fails.
Synopsis	Hot-standby OSPF data is not synchronized with the master CPU.
Action	Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfSyncNotify: ospfsync_route_table_notify FAILED.
Severity Error
Description This message is generated when the table synchronization of the OSPF routes fails.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfSyncNotify: ospfsync_summ_header_notify FAILED.
Severity Error
Description This message is generated when the table synchronization of the OSPF summary header fails.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Check the memory statistics and try rebooting the secondary CPU to force a fresh table synchronization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfTimerLink invalid timer value ___
Severity Error
Description This message is generated when the signature of the timer is invalid.
Synopsis Invalid timer.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfTimerUnlink invalid timer value
Severity Error
Description This message is generated when the system encounters an invalid OSPF timer signature.
Synopsis Invalid OSPF timer.
Action Rerun OSPF, if problem not solved, contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfUpdateLsai lsa type
Severity Fatal
Description This message is generated when the system encounters an invalid LSA type.
Synopsis Invalid LSA type encountered.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfUpdateLsai lsa type __
Severity Fatal
Description This message is generated during updating the LSA when undefined LSA type is encountered.
Synopsis Undefined LSA type encountered.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfUpdateLsai: len __ is > max_len __
Severity Fatal
Description This message is generated when the length of the LSA packet is greater than the maximum length defined.
Synopsis Invalid length of LSA packet.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfVCEvent
Severity Fatal
Description This message is generated when the virtual circuit event is invalid.
Synopsis Unrecognized virtual circuit event.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ospfVCEvent: could not find route
Severity Error
Description This message is generated when the system is not able to get the MAC address of the next hop to be used by the OSPF hello packet.
Synopsis Could not find route to destination
Action Action not applicable.

Message	ospfVCEvent: could not find the arp info
Severity	Error
Description	This message is generated when the system looks up the ARP entry for the destination IP address.
Synopsis	ARP entry for destination not found.
Action	NA
Message	ospfVerLsaCsum: the length field in lsa seems to be invalid
Severity	Error
Description	This message is generated when the system encounters an invalid value for the length of the LSA.
Synopsis	Invalid length of LSA.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	Password modified for SSL ADMIN
Severity	Info
Description	This message is generated when the password for SSLADMIN access level is changed.
Synopsis	N/A
Action	N/A
Message	pcapAllocateBuffer: malloc(<buffer-size> Mbs) failed
Severity	Error
Description	This is message is generated when PCAP memory allocation fails.
Synopsis	Not enough space free for PCAP.
Action	Decrease the value of the buffer size.

Message PCAP buffer is full. Packet capturing stopped as buffer-wrap is disabled.

Severity Info

Description This message is generated when the buffer is full and the buffer-wrap is disabled, stopping packet capture.

Synopsis N/A

Action Enable buffer-wrap or reset the statistics to start capturing packets,

Message PCAP buffer is getting wrapped. Old packets will be lost.

Severity Info

Description This message is generated when the buffer-wrap occurs while PCAP packets are saved.

Synopsis N/A

Action Disable PCAP and save the packet or enable autosave.

Message PCAP File in PCMCIA is being over-written

Severity Info

Description This message is generated when the PCAP autosave file in the PCMCIA is being overwritten,

Synopsis N/A

Action Copy file from PCMCIA.

Message pcapInit: Can't create PCAP task

Severity Fatal

Description This message is generated when the switch is not able to create a new task for PCAP.

Synopsis Spawning of task fails.

Action Contact customer service for further troubleshooting.

Message	pcapInit: Error in initializing the time
Severity	Error
Description	This message is generated when PCAP is not able to initialize the reference time.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.
Message	pcapInit:pcap timer, wdCreate failed
Severity	Fatal
Description	This message is generated when the switch is not able to create a watchdog timer for PCAP.
Synopsis	Spawning of watchdog timer fails.
Action	Contact customer service for further troubleshooting.
Message	pcapPktSave: Can't create auto-save task
Severity	Fatal
Description	This message is generated when the switch is not able to create a new task for AutoSave.
Synopsis	Spawning of task fails.
Action	Contact customer service for further troubleshooting.
Message	Peer has moved FROM <port> TO <port>
Severity	Info
Description	This message is generated when the peer moves to a new port.
Synopsis	N/A
Action	N/A

Message	Peer RSMLT IP ___ is not in Local RSMLT IP subnet ___ on Vlan ___
Severity	Warning
Description	This message is generated during a set operation when the peer RSMLT IP is not in the local RSMLT IP circuit.
Synopsis	N/A
Action	Contact customer service.
Message	Pim mode is not set
Severity	Error
Description	This message is generated if PIM routing is not enabled globally.
Synopsis	PIM mode is not set.
Action	Enable PIM on the port.
Message	Pim mode is not set
Severity	Error
Description	This message is generated if PIM mode (sparse/dense) is not set before enabling PIM on an interface.
Synopsis	PIM mode is not set.
Action	Check if the mode is set to sparse (dense mode is not supported).
Message	Please power cycle or reset 8600 chassis
Severity	Error
Description	This message is generated when deletion of Spanning Tree Groups and removal of all Web Switching Modules fails.
Synopsis	Possible Solution of the above issue.
Action	N/A

Message Port -- aborting
Severity Info
Description This message is generated when an 8021x controlled port enters the aborting state of the Authenticator PAE State Machine
Synopsis Port entered the aborting state of the Authenticator PAE State Machine.
Action No action necessary.

Message Port -- authenticating
Severity Info
Description This message is generated when an 8021x controlled port enters the authenticating state of Authenticator PAE State Machine
Synopsis Port entered the authenticating state of Authenticator PAE State Machine.
Action No action necessary.

Message Port -- connecting
Severity Info
Description This message is generated when an 8021x controlled port enters the connecting state of Authenticator PAE State Machine.
Synopsis Port entered the connecting state of Authenticator PAE State Machine.
Action No action necessary.

Message Port -- forced authorized
Severity Info
Description This message is generated when an 8021x controlled port enters the forced authorized state of Authenticator PAE State Machine.
Synopsis Port entered the force authorized state of Authenticator PAE State Machine.
Action No action necessary.

Message Port -- forced unauthorized
Severity Info
Description This message is generated when an 8021x controlled port enters the force unauthorized state of Authenticator PAE State Machine.
Synopsis Port entered the force unauthorized state of Authenticator PAE State Machine.
Action No action necessary.

Message Port -- held
Severity Info
Description This message is generated when an 8021x controlled port enters the held state of Authenticator PAE State Machine.
Synopsis Port entered the held state of Authenticator PAE State Machine.
Action No action necessary.

Message Ports for WSM blade in slot __
Severity Info
Description This message is generated when a Web Switching Module has not been inadvertently added to another MLT.
Synopsis Ports for a Web Switching Module are already members of a MLT ID.
Action NA

Message PreconfigTask: card inserted request
Severity Info
Description This message is generated when a card is inserted from a slot in non-hidden mode.
Synopsis N/A
Action N/A

Message PreconfigTask: card removed request
Severity Info
Description This message is generated when a card is removed from a slot in non-hidden mode.
Synopsis N/A
Action N/A

Message PreconfigTask: illegal cont_bootp_config
Severity Error
Description This message is generated when bootp requests preconfig task to run the preconfig and the card is not in the inserted stage.
Synopsis Card not inserted.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message PreConfigTask: PreConfig will be re-tried!!
Severity Info
Description This message is generated to specify that PreConfig will be retried.
Synopsis N/A
Action N/A

Message PreConfigTask: Slot __ NO pre-configured
Severity Error
Description This message is generated when a slot is not pre-configured due to insufficient MLT's.
Synopsis Slot not configured.
Action Free MLT and reinsert card.

Message PreconfigTask SLot __: cont_bootp_config request
Severity Info
Description This message is generated when bootp requests preconfig task to run the preconfig.
Synopsis N/A
Action N/A

Message	PreconfigTask: waiting for request
Severity	Info
Description	This message is generated when task is waiting for a request to come in non-hidden mode.
Synopsis	N/A
Action	N/A
Message	ProcPendingRefresh _._._ type _
Severity	Error
Description	This message is generated if LSA type is not of Hashed type.
Synopsis	Invalid LSA type.
Action	No action required.
Message	rad_authRequest cannot queue a radius request
Severity	Info
Description	This message is generated when the system cannot send an IGAP RADIUS request.
Synopsis	The number of concurrent IGAP RADIUS requests that the device can handle has reached the limit. Additional requests cannot be sent.
Action	Contact customer service if the problem persists.
Message	rad_authRequest no radius server configured
Severity	Info
Description	This message is generated when no IGAP RADIUS server is configured.
Synopsis	IGAP software cannot use RADIUS to authenticate the requests when there are no IGAP RADIUS servers configured.
Action	Configure a RADIUS server used by igap.

Message	rad_callBackResponse unknown request id
Severity	Error
Description	This message is generated when an internal error exists in the software.
Synopsis	Software error
Action	Contact customer service if problem persists.
Message	rad_changeRequestPkt unknown code <> in radius packet
Severity	Error
Description	This message is generated when erroneous code exists in the header of the received RADIUS packet.
Synopsis	RADIUS response packet must have the correct code.
Action	Contact customer service after verifying that the RADIUS server is functioning correctly.
Message	rad_deQPendingRequest cannot find the request for seq_no<num>
Severity	Error
Description	This message is generated when the system cannot find a matching request for the sequence ID in the RADIUS response packet.
Synopsis	A list of sequence numbers used in the RADIUS request packet is maintained by the device. An incoming RADIUS response must match a corresponding request.
Action	Contact customer service if problem persists.

Message rad_enQPendingRequest failed to allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message rad_extractReplyMessage failed to allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message rad_handleServerResponse select failed<num>
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message rad_incrIgapEnabledVlanCnt failed to allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message rad_newSocket cannot bind UDP socket to port<num>
Severity Error
Description This message is generated when the system cannot bind to the specified UDP port.
Synopsis UDP port specified is already in use
Action Make sure no other UDP service is configured on the same port. Contact customer service if problem persists.

Message rad_newSocket cannot create UDP socket
Severity Error
Description This message is generated when the system cannot create a UDP socket.
Synopsis Software error
Action Contact Customer support.

Message rad_newSocket failed to allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message rad_processPendingRequest unable to send request
Severity Error
Description This message is generated when the system cannot send a IGAP RADIUS request.
Synopsis Software error
Action Contact customer service if problem persists.

Message rad_receiveResponse received response with bad length
recvd<num>

Severity Error

Description This message is generated when the length of the received RADIUS response packet is invalid.

Synopsis The packet size of incoming RADIUS response must be equal to the size mentioned in the packet header.

Action Verify that RADIUS server is functioning correctly. Contact customer service if problem persists.

Message rad_receiveResponse rcvfrom failed<num>

Severity Error

Description This message is generated when the system cannot receive data on the UDP socket.

Synopsis Software error

Action Contact customer service.

Message rad_Request failed to allocate memory

Severity Error

Description This message is generated when the system is out of memory.

Synopsis Insufficient memory

Action Contact customer service if problem persists.

Message rad_Request unable to queue the request
Severity Info
Description This message is generated when the system cannot send an IGAP RADIUS request.
Synopsis The number of concurrent IGAP RADIUS requests that the device can handle has been reached. No new requests can be sent.
Action Contact customer service if problem persists.

Message rad_Request Unknown request type<num>
Severity Error
Description This message is generated when there is an internal error in the software.
Synopsis Software error
Action Contact customer service if problem persists.

Message rad_sendRequest unable to send a UDP packet error<num>
Severity Error
Description This message is generated when the system cannot send a UDP packet.
Synopsis Software error.
Action Contact customer service if problem persists.

Message rad_sendRequest unknown code<num> in radius send pkt
Severity Error
Description This message is generated when an internal mismatch exists in the software for the RADIUS packet code.
Synopsis Software error.
Action Contact customer service if problem persists.

Message rad_writeLog invalid message size<num>
Severity Error
Description This message is generated when the IGAP Accounting log message size is invalid.
Synopsis Software error
Action Contact customer service if problem persists.

Message radAcctBuildStopInterimValuePair failed to allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message radAcctInterim failed to allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message radAcctOff failed to allocate memory
Severity Error
Description System is out of memory.
Synopsis Insufficient memory
Action If problem persists, contact customer service.

Message	radAcctOn failed to allocate memory
Severity	Error
Description	This message is generated when the system is out of memory.
Synopsis	Insufficient memory
Action	Contact customer service if problem persists.
Message	radAcctSendToServer can t bind UDP socket to port
Severity	Error
Description	This message is generated when the system cannot bind to the specified UDP port.
Synopsis	UDP port specified is already in use.
Action	Make sure no other UDP service is configured on the same port. Contact customer service if problem persists.
Message	radAcctSendToServer can t send data on UDP socket
Severity	Error
Description	This message is generated when the system cannot send a UDP packet.
Synopsis	Software error
Action	Contact customer service if problem persists.
Message	radAcctSendToServer cannot open socket
Severity	Error
Description	This message is generated when the system cannot create a UDP socket.
Synopsis	Software error
Action	Contact customer service if problem persists.

Message radAcctSendToServer failed to allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message radAcctSendToServer socket recvfrom error
Severity Error
Description This message is generated when the system cannot receive data on UDP socket.
Synopsis Software error
Action Contact customer service if problem persists.

Message radAcctSendToServer socket select error
Severity Error
Description This message is generated when a software error occurs.
Synopsis Software error
Action Contact customer service if problem persists.

Message radAcctSnmInterim failed to allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message radAcctSnmpStart failed to allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message radAcctSnmpStop failed to allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message radAcctStart failed to allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message radAcctStop failed to allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message radAddEtherHooks Cannot add Input hook
Severity Error
Description This message is generated when the system cannot initialize the software to capture login session statistics for use in RADIUS accounting.
Synopsis Software error
Action Contact customer service.

Message radAddEtherHooks Cannot add Output hook
Severity Error
Description This message is generated when the system cannot initialize the software to capture login session statistics for use in RADIUS accounting.
Synopsis Software error
Action Contact customer service.

Message radClearStat can t lock mutex
Severity Error
Description This message is generated when the system cannot acquire a software resource.
Synopsis Software error
Action Contact customer service.

Message radCreateServer Can t allocate Server Entry
Severity Fatal
Description This message is generated when the system cannot create a RADIUS server due to memory not being available.
Synopsis Insufficient memory
Action Contact customer service if problem persists.

Message radDictAttrGetValue Can t get value for attribute<string>
Severity Error
Description This message is generated when an unknown RADIUS attribute being looked up.
Synopsis Unknown attribute in received RADIUS packet or sent packet.
Action Verify that the sent and received RADIUS packets contain known attributes.

Message radDictAttrSet Can t set value for attribute<string>
Severity Error
Description This message is generated when an unknown RADIUS attribute is being looked up.
Synopsis Unknown attribute in received RADIUS packet or sent packet.
Action Verify that the sent and received RADIUS packets contain known attributes.

Message radInsertServer can t lock mutex
Severity Error
Description This message is generated when the system cannot acquire a software resource.
Synopsis Software error.
Action Contact customer service.

Message radInsertVp FATAL value pair
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory.
Action Contact customer service if problem persists.

Message	RADIUS accounting STOP message was not sent due to software error
Severity	Error
Description	This message is generated when there are unstable conditions in the software and the RADIUS message is not sent.
Synopsis	Due to unstable conditions in the software, the RADIUS message is not sent.
Action	Contact customer service if problem persists.

Message	RADIUS authentication failed at<string> s
Severity	Info
Description	This message is generated when authentication fails for the specified user on the specified server.
Synopsis	Authentication alert.
Action	N/A

Message	radius global event sync failed
Severity	Error
Description	This message is generated when the system cannot synchronize the RADIUS configuration to the redundant CPU in HA Mode.
Synopsis	Software error.
Action	Contact customer service.

Message	radius server event sync failed
Severity	Error
Description	This message is generated when the system cannot synchronize the RADIUS configuration to the redundant CPU in HA Mode.
Synopsis	Software error.
Action	Contact customer service.

Message radius snmp global event sync failed
Severity Error
Description This message is generated when the system cannot synchronize the RADIUS configuration to the redundant CPU in HA Mode.
Synopsis Software error.
Action Contact customer service.

Message radiusStart Can't create mutex semaphore
Severity Fatal
Description This message is generated when the system cannot acquire a software resource.
Synopsis Software error.
Action Contact customer service.

Message radiusSyncCallback corrupt msg
Severity Error
Description This message is generated when the system cannot synchronize the RADIUS configuration to the redundant CPU in HA Mode.
Synopsis Software error.
Action Contact customer service.

Message radiusSyncCallback Unrecognized message type
Severity Info
Description This message is generated when the system cannot synchronize the RADIUS configuration to the redundant CPU in HA Mode.
Synopsis Software error.
Action Contact customer service.

Message radLock can t lock mutex
Severity Error
Description This message is generated when the system cannot acquire a software resource.
Synopsis Software error.
Action Contact customer service.

Message radMalloc Can t allocate memory
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory.
Action Contact customer service if problem persists.

Message radRemoveServer can t lock mutex
Severity Error
Description This message is generated when the system cannot acquire a software resource.
Synopsis Software error.
Action Contact customer service.

Message radSendServer can t lock mutex
Severity Error
Description This message is generated when the system cannot acquire a software resource.
Synopsis Software error.
Action Contact customer service.

Message radSnmAcctNwData_Add Can t allocate memory for SNMP Session
Severity Error
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory.
Action Contact customer service if problem persists.

Message rc2kQoSTrafficProfileTblSetBody: failed to sync event
Severity Error
Description This message is generated on the master CPU when the notification of QoS related event to the hot-standby fails during event-based synchronization.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rccExtendAggrNetList failed: no memory
Severity Warning
Description This message is generated when system is not able to allocate memory for a block of size 1024.
Synopsis Cannot allocate memory dynamically.
Action Close all CLI sessions to free the memory. Contact customer service if the problem persists.

Message	rccInitAggrNetList failed
Severity	Warning
Description	This message is generated whenever initialization of the aggregated networks list for RIP fails.
Synopsis	Dynamic memory allocation fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rccOspfHelloTimerLink invalid timer value _ _
Severity	Error
Description	This message is generated when an invalid timer is passed to the timer linking function rccOspfHelloTimerLink().
Synopsis	Invalid timer value.
Action	Internal error, rerun OSPF. If the problem persists contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rccOspfOfHelloAlloc: pOspfHelloBd is NULL
Severity	Error
Description	This message is generated if a null value is encountered when allocating the hello buffer.
Synopsis	OSPF buffer descriptor is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rccOspfOfHelloFree: trying to free a null buffer
Severity Error
Description This message is generated when trying to free OSPF hello buffer as the buffer is a NULL.
Synopsis Null buffer encountered.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rccOspfTimerUnlink invalid timer value _ _
Severity Error
Description This message is generated if an invalid timer value is passed to the unlinking function.
Synopsis Invalid timer value passed.
Action Internal error, rerun OSPF. If problem persists contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIcmpStat: rcIpGetIf returns NULL
Severity Error
Description This message is generated when the search for the IP interface returns NULL.
Synopsis Interface not identified.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddrTblSyncCallback: corrupt msg
Severity Error
Description This message is generated when Ip Record information received on the HA-CPU is NULL.
Synopsis Hot-standby IP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddrTblSynCallBacK: unable to allocate an IpRec for IfIndex <int>
Severity Error
Description This message is generated when the system cannot create an IP record for the IP interface on the HA-CPU.
Synopsis Hot-standby IP data is not synchronized with the master CPU.
Action Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddPortToVlan: Bad PortNum __
Severity Error
Description This message is generated if the port number is out of range of valid values.
Synopsis Invalid port number.
Action Provide a correct and valid port number.

Message rcIpAddReplaceStaticRoute: rcIpStaticRouteActive failed
Severity Error
Description This message is generated when the static route requiring state change to active is not present.
Synopsis List is empty.
Action Check the configuration for IP static route entries.

Message rcIpAddRoute: Arp pointer is NULL for route
Severity Fatal
Description This message is generated while adding an IP route and the ARP pointer is found to be NULL.
Synopsis ARP pointer to the route is NULL.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddRoute: ipCircFromId failed for cid
Severity Error
Description This message is generated if getting pointer to circuit fails.
Synopsis Unable to get pointer to circuit.
Action No immediate action required.

Message rcIpAddRoute: rarAddIpRoute failed

Severity Error

Description This message is generated if an IP route entry cannot be added. This condition may be caused by an inability to allocate memory or inconsistency in ghost records and hardware records.

Synopsis Adding of IP route fails.

Action Enter a valid IP address, next hop and IP mask. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddRoute: rarMakeNextHopRouter failed

Severity Error

Description This message is generated when trying to update a route entry for the next hop router. This may be caused by an inability to allocate memory or inconsistency in ghost records and hardware records.

Synopsis Route entry allocation for next hop router fails.

Action Enter a valid IP address, next hop and IP mask. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddRoute: rcIpAddArp failed with __ Status.

Severity Error

Description This message is generated if the system cannot add the ARP entry to the table.

Synopsis Addition of the ARP unsuccessful.

Action Enter a valid IP address, next hop and IP mask. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddRoute: route pointer is null
Severity Error
Description This message is generated when an invalid or null route entry is made in the CLI for the.
Synopsis Invalid Route entry for adding IP route.
Action Provide valid route entry in the CLI.

Message rcIpAddrTblConsistencyCheck: unable to allocate an IpRec for IfIndex _
Severity Error
Description This message is generated if the IP record is not a valid entry. This occurs while performing the table consistency check.
Synopsis Invalid IP record entry.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddrTblConsistencyCheck: unknown row status _
Severity Error
Description This message is generated if an invalid row status is encountered during consistency check on the table.
Synopsis Invalid row status encountered.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddrTblSet: unable to allocate an IpRec for IfIndex _
Severity Error
Description This message is generated if the system cannot find or allocate a new IP record for the provided index. This may be caused due to unavailability of the memory.
Synopsis Unable to allocate IP record.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddrTblSet: unable to find an IpRec for ifindex _
Severity Error
Description This message is generated if an invalid index for a IP record is passed.
Synopsis Invalid IP record.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddrTblSet: unknown row status _
Severity Error
Description This message is generated if an invalid row status is encountered.
Synopsis Invalid row status encountered.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddrTblSet: vlanGetMcastGroupId failed for Vlan __ IfIndex __
Severity	Error
Description	This message is generated if the VLAN is invalid.
Synopsis	Invalid VLAN.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpAddrTblSynCallBack: unable to allocate an IpRec for IfIndex
Severity	Error
Description	This message is generated when it cannot allocate an IP record.
Synopsis	Unable to allocate IP record.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpAddStaticArp: arpadd failed for failed
Severity	Error
Description	This message is generated when the addition of a static ARP entry in the ARP table fails.
Synopsis	Addition of static ARP table entry fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddStaticArp: ipCircFromIFID failed
Severity Error
Description This message is generated when the circuit data is null for a given specific circuit ID.
Synopsis Getting semaphore fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddStaticRoute: arpaddUnres returns NULL
Severity Fatal
Description This message is generated if the system is not able to locate an entry in the unresolved table.
Synopsis Search fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpAddStaticRtsByArp: could not find the specified next hop
Severity Error
Description This message is generated when there is a value mismatch between the ECMP path index for non-local static route and its maximum value.
Synopsis Value mismatch.
Action Check the configuration for maximum value of ECMP path index.

Message rcIpBootPReply: cppTxFrame failed!
Severity Error
Description This message is generated when the forwarding of a BootP Reply packet frame through the specified port fails. The causes of this condition may be that the CPU transmit queue is full, the CPU frame buffer is consumed, or there may be another problem.
Synopsis A frame cannot be transmitted.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpConfDhcpTblGet invalid get option
Severity Error
Description This message is generated when an invalid option is selected.
Synopsis Option invalid.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpConfDhcpTblGet invalid Mode
Severity Error
Description This message is generated when an invalid mode is selected.
Synopsis Mode invalid.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpConfDvmrpTblEntryAdd: Can't malloc
Severity Error
Description This message is generated when the addition of an entry to the Ip Config DVMRP link list fails.
Synopsis Dynamic memory allocation fails.
Action Close all CLI sessions to free the memory.

Message rcIpConfigureCid: ipCircAddIPA failed for __ on IfIndex __
Severity Fatal
Description This message is generated if addition of an IP address to a circuit fails.
Synopsis Cannot add IP address.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpConfigureCid: ipCircAddIPA failed for on IfIndex
Severity Fatal
Description This message is generated when an attempt to add an IP address to a circuit fails.
Synopsis Addition of an IP address fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpConfigureCid: ipCircCreate failed for%s on IfIndex
Severity Error
Description This message is generated if the creation of an IP circuit fails.
Synopsis Creation of an IP circuit fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpConfigureCid: Ospf circuit for Ifindex __ not found
Severity Fatal
Description This message is generated if an invalid OSPF circuit is encountered.
Synopsis Invalid OSPF circuit encountered.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpConfigureCid: Rip circuit for Ifindex __ not found
Severity Fatal
Description This message is generated if the RIP circuit for the given ID is not found.
Synopsis Invalid RIP circuit encountered.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpConfRsmltTblSet: entry config event sync failed for IfIndex
—

Severity Error

Description This message is generated when the system cannot synchronize the RSMLT configurations to the secondary CPU.

Synopsis Software Error.

Action Contact customer service.

Message rcIpDelArpByIfIndex: Can't create _ task

Severity Error

Description This message is generated when spawning a task fails.

Synopsis Unable to create the task.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpDelArpByIfIndexAll: Can't create _ task

Severity Error

Description This message is generated when spawning a task fails.

Synopsis Unable to create the task.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpDeleteRoute: route pointer is null
Severity	Error
Description	This message is generated when the system tries to dynamically delete the IP route entry from the table and finds that the pointer to the route entry is invalid or NULL.
Synopsis	Unrecognized route entry passed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpDeleteStaticArp: unable to find an IpRec for IfIndex
Severity	Error
Description	This message is generated when the delete sequence is initiated for an ARP entry and the search returns NULL.
Synopsis	Unable to find the IP record for the provided index.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpDeleteStaticArp: unable to find Static Arp Rec for _ IfIndex
Severity	Error
Description	This message is generated when the delete sequence is initiated for an ARP entry and the search for a static ARP record fails.
Synopsis	Static ARP record for the given index is not available.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpFilterBaseListTblSetBody: failed to sync event
Severity Error
Description This message is generated on the master CPU when the notification of the base filter list to the hot-standby fails during event-based synchronization.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpFilterGlobalListTblSetBody: failed to sync event
Severity Error
Description This message is generated on the master CPU when the notification of the global filter list to the hot-standby fails during event-based synchronization.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpFilterMediaDevTblSetBody: failed to sync event
Severity Error
Description This message is generated on the master CPPU when the notification of the filter-media-device event to the hot-standby fails during event-based synchronization.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpFilterMediaStreamTblSetBody: failed to sync event

Severity Error

Description This message is generated on the master CPU when the notification of filter-media-stream event to the hot-standby fails during event-based synchronization.

Synopsis Hot-standby data is not synchronized with the master CPU.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpFilterPortTblSetBody: failed to sync event

Severity Error

Description This message is generated on the master CPU when the notification of the filter port event to the hot-standby fails during event-based synchronization.

Synopsis Hot-standby data is not synchronized with the master CPU.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpFilterTblSetBody: failed to sync event

Severity Error

Description This message is generated on the master CPU when the notification of the filter event to the hot-standby fails during event-based synchronization.

Synopsis Hot-standby data is not synchronized with the master CPU.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpGetDhcpPortStatsRec: Bad PortNum
Severity Error
Description This message is generated when the port number is not within its specified range.
Synopsis Port number is invalid.
Action Check the configuration for port number minimum and maximum values.

Message rcIpGetDhcpPortStatsRec: unable to allocate a DhcpPortStatsRec for PortNum
Severity Error
Description This message is generated when memory allocation fails.
Synopsis Cannot dynamically allocate memory.
Action Close all CLI sessions to free the memory.

Message rcIpGetDhcpRec: unable to allocate a DhcpRec
Severity Error
Description This message is generated when memory allocation fails on the HA-CPU.
Synopsis Hot-standby IP data is not synchronized with the master CPU.
Action Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpGetIcmpInMsgs: m2IcmpGroupInfoGet failed
Severity Error
Description This message is generated if the ICMP group information fetching fails while trying receiving the message.
Synopsis ICMP group information fetching fails.
Action Contact customer service if the condition persists and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpGetIcmpOutMsgs: m2IcmpGroupInfoGet failed
Severity Error
Description This message is generated if the ICMP group information fetching fails while sending the message.
Synopsis ICMP group information fetching fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpGetInEchos: m2IcmpGroupInfoGet failed
Severity Error
Description This message is generated if the ICMP group information fetching fails while receiving in the echoes.
Synopsis ICMP group information fetching fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpGetInEchosReps: m2IcmpGroupInfoGet failed
Severity Error
Description This message is generated if the ICMP group information fetching fails while receiving Inward echoes repetitions.
Synopsis ICMP group information fetching fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpGetOutEchos: m2IcmpGroupInfoGet failed
Severity Error
Description This message is generated if the ICMP group information fetching fails while sending out the echoes message.
Synopsis ICMP group information fetching fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpGetOutEchoReps: m2IcmpGroupInfoGet failed
Severity Error
Description This message is generated if the ICMP group information fetching fails while sending out the repetition echoes message.
Synopsis ICMP group information fetching fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpGetVrrpRec: Bad IfIndex
Severity Error
Description This message is generated if the IfIndex is not within its specified range.
Synopsis IfIndex out of range.
Action Check configuration for IfIndex.

Message rcIpGetVrrpRec: Bad Vrid
Severity Error
Description This message is generated if the Vrid is not within its specified range.
Synopsis Vrid out of range.
Action Check configuration for Vrid.

Message rcIpGetVrrpRec: unable to allocate a VrrpRec for IfIndex
Severity Error
Description This message is generated when allocation for creating new VRRP Rec for IfIndex fails.
Synopsis Dynamic memory allocation fails.
Action Close all CLI sessions to free the memory.

Message rcIpIgmpGroupTblEntryAdd: Can't malloc
Severity Error
Description This message is generated when the system cannot allocate memory for the IGMP group table entry.
Synopsis Memory unavailable.
Action Increase DRAM memory size.

Message	rcIpGo: Can't create rcIp task
Severity	Fatal
Description	This message is generated when an attempt fails to start the IP stack's receive.
Synopsis	Spawning of task (rcIpTask) fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpInitOspfBufDesc: Can't alloc ospf bufdesc fbuf!!
Severity	Error
Description	This message is generated if the OSPF buffer initiation fails due to unavailability of memory.
Synopsis	Unable to allocate memory for OSPF buffer.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpLoadArpRec: unable to allocate a StatArpRec for IfIndex _
Severity	Error
Description	This message is generated when the allocation of a static ARP record fails due to memory allocation problem.
Synopsis	Memory allocation for the static ARP entry fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpLock: Can't take semaphore, rcIpRouteLockSemId
Severity	Error
Description	This message is generated when semaphore acquisition fails.
Synopsis	Getting semaphore fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpMakeVlanRoutable: ipFindRoute failed for IfIndex __
Severity	Fatal
Description	This message is generated when IP route location fails while making the VLAN routable.
Synopsis	Unable to find the IP route for the given index.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpModifyNextHop: Arp pointer is NULL for route: __ mask:
Severity	Error
Description	This message is generated when the protocol has found a better route and tries to modify the next hop but finds that the ARP pointer is NULL.
Synopsis	Null ARP entry
Action	No immediate action required.

Message	rcIpModifyNextHop: rarMakeNextHopRouter failed with __ Status
Severity	Error
Description	This message is generated when the system cannot make a router the next hop. This can be caused by an unavailable address record.
Synopsis	Unable to make router next hop.
Action	No immediate action required.
Message	rcIpModifyNextHop: rarReplaceIpRoute failed with _ for route: _ mask: _ NextHop
Severity	Error
Description	This message is generated when the IP replace fails while trying to modify the next hop.
Synopsis	IP route replace fails.
Action	No immediate action required.
Message	rcIpModifyNextHop: rcIpAddArp failed with __ Status
Severity	Error
Description	This message is generated if the system cannot add the ARP entry to the table.
Synopsis	Addition of the ARP unsuccessful.
Action	Enter a valid IP address, next hop and IP mask. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpNextHopExists: arpaddUnres returns NULL
Severity	Fatal
Description	This message is generated when an attempt to locate an ARP entry in the unresolved table fails.
Synopsis	Search fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpOspfInFilterTblSet : OSPF Accept event sync failed
Severity	Error
Description	This message is generated on the master CPU when the RPS entity cannot notify the OSPF accept policy event during an event-based synchronization in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpPimIfxTblEntryAdd: Can't malloc
Severity	Error
Description	This message is generated if the system cannot allocate memory for PIM interface table.
Synopsis	Unable to allocate memory.
Action	Increase DRAM size and contact customer service for further troubleshooting.

Message rcIpPimIfxTblEntryAdd: couldn't find vif with IfIndex= __
Severity Warning
Description This message is generated if the VIF index is invalid.
Synopsis Invalid VIF encountered.
Action Contact customer service if the error persists and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpPolicyPrefixListTblSet: prefix-list event sync failed
Severity Error
Description This message is generated on the master when the RPS entity cannot notify the prefix list related event during an event-based synchronization in an HA-enabled chassis.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpProcessFrame: pP2IpBd!= NULL after call to iprx
Severity Error
Description This message is generated when the previously received buffer is not freed.
Synopsis Buffer is not released.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpProcessFrame: pP2IpBd!= NULL after call to iprx
Severity Error
Description This message is generated if the pointer to the buffer for sending the IP packet is not freed after a call to the IP receive is placed.
Synopsis Buffer pointer not freed.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpRedistributeTblSet :Redistribute event sync failed
Severity Error
Description This message is generated on the master CPU when the RPS entity cannot notify the redistribution event during an event-based synchronization in an HA-enabled chassis.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpremoveIPAR: rarDeleteIpRoute failed
Severity Error
Description This message is generated when the route cannot be deleted in the hardware.
Severity rarDeleteIpRoute fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpRemovePortFromVlan: Bad Port Number __
Severity	Error
Description	This message is generated if the port number is out of range.
Synopsis	Invalid port number.
Action	Provide a valid port number.
Message	rcIpRipInterfaceTblSet: Rip Circuit not found
Severity	Error
Description	This message is generated when RIP circuit pointer is NULL.
Synopsis	Memory may be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpRouteIndexAdd() - failed adding __.__.__.__, Mask= __.__.__.__
Severity	Warning
Description	This message is generated if the addition of a new route index fails.
Synopsis	Addition of route index fails.
Action	No action necessary.
Message	rcIpRouteIndexRemove() - failed removing __.__.__.__, Mask= __.__.__.__
Severity	Warning
Description	This message is generated if removal of the route index fails.
Synopsis	Freeing of route index fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpRoutePolicyTblSet : route-policy event sync failed
Severity	Error
Description	This message is generated on the master CPU when the RPS entity cannot notify the route-policy-related event during an event-based synchronization in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpRouteTblSetEvent: event sync failed.
Severity	Error
Description	This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis	Hot-standby IP data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpRsmltAddMacRecordForPeer: add MacAddress __ failed on MGID __ for IfIndex __
Severity	Error.
Description	This message is generated when the system cannot add a MAC address record.
Synopsis	Addition of MAC address record fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration and network topology for further analysis.

Message rcIpRsmltForwardingForPeer: Unable to find the Vlan __. IP RSMLT feature failed on Macaddr __

Severity Warning

Description This message is generated when the user stops forwarding to the peer and it cannot find the specified VLAN.

Synopsis Software error .

Action Contact customer service.

Message rcIpRsmltOperTblGet invalid get option __

Severity Error

Description This message is generated when invalid option is selected.

Synopsis Invalid option

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration and network topology for further analysis.

Message rcIpRsmltSetPeerRecord: rcv RSMLT msg from IST, but no circuit on IfIndex __

Severity Error

Description This message is generated when RSMLT is not enabled on the VLAN and the system receives a message from the IST peer.

Synopsis N/A

Action Contact customer service.

Message rcIpRsmltTempDefaultRouteAdd: add temporary default route to IST peer __ failed

Severity Error

Description This message is generated when the system cannot add the temporary default route.

Synopsis N/A

Action Contact customer support.

Message rcIpRsmltTempDefaultRouteAdd: can't replace one static route

Severity Error

Description This message is generated when the system cannot add the temporary default route.

Synopsis N/A

Action Contact customer support.

Message rcIpRsmltTempDefaultRouteDelete: can't delete temporary default route

Severity Error

Description This message is generated when the system cannot delete the temporary default route added.

Synopsis N/A

Action Contact customer support.

Message	rcIpRsmltTempDefaultRouteDelete: deleting temporary default route sync failed for IP RSMLT
Severity	Error
Description	This message is generated when the system cannot synchronize the RSMLT configuration with the secondary CPU when the HA is enabled.
Synopsis	Synchronization fails.
Action	Contact customer support.

Message	rcIpRxFrame: can't signal semaphore
Severity	Fatal
Description	This message is generated when the system does not release the semaphore.
Synopsis	Unable to free semaphore.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpSetIpSuperNet: found ecmp class A supernet route
Severity	Error
Description	This message is generated when the ECMP is not enabled and one more one path is not allowed.
Synopsis	Only one path is allowed.
Action	Enable ECMP.

Message	rcIpStart: Can't create mutual-exclusion semaphore rcIpRouteLockSemId
Severity	Fatal
Description	This message is generated when an attempt to create a semaphore used to control re-entrance to the routing process fails.
Synopsis	Semaphore creation fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpStaticRouteTblSet: rcIpLoadRouteRec failed
Severity	Error
Description	This message is generated when MIB2 static route table entries are added. The condition may be due to insufficient memory or duplicate entry.
Synopsis	Unable to allocate memory for loading RCIP route record.
Action	Increase DRAM size and contact Customer Support for further troubleshooting.
Message	rcIpStaticRtSyncCallback: unsupported msg type _
Severity	Error
Description	This message is generated if an invalid message type is encountered.
Synopsis	Invalid message type encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpSuperNetAddRoute: rarAddIpRoute failed with _: _._._._ mask: _._._ nh: _._. pRent _
Severity	Error
Description	This message is generated if addition of an IP route fails while trying to call a Supernet address.
Synopsis	Invalid mask and route entry.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpSuperNetAddRoute: rarAddIpRoute failed with _:_ mask:_ nh: _
Severity	Error
Description	This message is generated if addition of an IP route fails while trying to add all Supernet addresses.
Synopsis	Unable to add IP route entry.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpSuperNetDeleteRoute: find non-ecmp less specific route
Severity	Error
Description	This message is generated when a non-ECMP route is encountered.
Synopsis	Non-ECMP, less specific route chosen.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpSuperNetReplaceRoute: rarReplaceIpRoute failed with _ for route: _ mask: _ NextHop

Severity Error

Description This message is generated if replace IP route fails with.

Synopsis Replace failed IP address.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpSuperNetReplaceRoute: trying to delete non-ecmp supernetting route

Severity Error

Description This message is generated when trying to replace a route that is a non-ecmp supernetting route.

Synopsis Deleting a non-ecmp route.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpSuperNetReplaceRoute: trying to replace non-ecmp route

Severity Error

Description This message is generated when trying to replace a route that is a non-ecmp supernetting route.

Synopsis Deleting a non-ecmp route.

Action Contact customer service for further troubleshooting.

Message	rcIpSyncVlanDownEvent: malloc failed. IfIndex = <int>
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	VLAN down event may not be synchronized with the HA-CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpSyncVlanDownEvent: sync failed. IfIndex = <int>
Severity	Error
Description	This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis	VLAN down event may not get synchronized with the HA-CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpSyncVlanDownEventCallback: cannot find IP Record for IfIndex = <int>
Severity	Error
Description	This message is generated when the system cannot find an IP record for the ifindex received from the master CPU on the HA-CPU.
Synopsis	VLAN down event may not be synchronized to the HA-CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpTask: Can't create __ message queue
Severity Fatal
Description This message is generated when rcipTask cannot create a new message queue. No memory space left.
Synopsis Lack of memory, unable to create message.
Action Increase the DRAM size and contact Customer Support for further troubleshooting.

Message rcIpTask: Can't take semaphore
Severity Fatal
Description This message is generated when the semaphore was not given.
Synopsis Semaphore unavailable.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpUdpConfBcastIntfClearStats: UdpConfBcastIntf not initialized
Severity Error
Description This message is generated when Udp port forward Table is not initialized.
Synopsis Pointer/reference to Udp port forward Table is NULL.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpUdpPortFwdClearStats: UdpPortFwdTbl not initialized
Severity	Error
Description	This message is generated when UdpPortFwdTbl is not initialized.
Synopsis	Pointer/reference to UdpPortFwdTbl Table is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpUdpPortFwdListTblEntryRemove: could not found entry for FwdListId
Severity	Error
Description	This message is generated when the search of an entry from the table UdpPortFwdListTable fails.
Synopsis	Search fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpUdpPortFwdPoliyDoArp: ipCircFromIFID failed!
Severity	Error
Description	This message is generated when trying to retrieve the IP circuit by passing an invalid interface index. This log is generated when the system cannot locate a circuit.
Synopsis	Unable to find the circuit for the given index.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpUdpPortFwdTblEntryRemove: invalid idlist pointer
Severity Warning
Description This message is generated when an invalid ID list pointer is received from table rcIpUdpPortFwdListIdList.
Synopsis Invalid pointer found.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpUdpProtocolTblEntryRemove: could not delete entry for UdpPort
Severity Error
Description This message is generated when deletion of an entry from table UdpProtocolTbl fails.
Synopsis Deletion fails.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpUdpProtocolTblGet: invalid get option
Severity Error
Description This message is generated when the wrong option is encountered.
Synopsis Wrong option.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVlanSetIpAddress: chAssignMacAddrVlan failed for IfIndex ___! MacOffset ___
Severity	Fatal
Description	This message is generated if the system cannot allocate a MAC address for the VLAN.
Synopsis	Unable to assign MAC address.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpVlanSetIpAddress: chGetMacAddrVlan failed for IfIndex%d! \nNo mac address available
Severity	Warning
Description	This message is generated if the available pool of MAC addresses is exhausted.
Synopsis	Unable to assign MAC address for VLAN.
Action	Contact customer service if the error persists and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpVlanSetIpAddress: ipCircAddIPA failed for ___ on IfIndex ___
Severity	Fatal
Description	This message is generated when an invalid IP record is encountered and the circuit is not set.
Synopsis	Invalid IP record.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVlanSetIpAddress: ipCircCreate failed for ____ IfIndex ____
Severity	Error
Description	This message is generated if an IP interface could not be created with the given index.
Synopsis	Unable to create an IP interface.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpVlanUp rarAddArp failed with Status = __ for IfIndex ____
Severity	Error
Description	This message is generated if the ARP table is full and no further record can be accommodated.
Synopsis	Unable to add the ARP entry to the table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpVlanUp rarAddMacAddress failed with Status = __ for IfIndex ____
Severity	Error
Description	This message is generated when the IP VLAN is updated and a MAC address cannot be added. The condition is due to unavailable memory.
Synopsis	Unable to make the MAC address routable.
Action	Contact customer service if the error persists and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpVlanUp: cppAttach failed for IfIndex __ cid __
Severity Fatal
Description This message is generated when the attachment of the IP record to vxworks task fails while updating VLAN information. The condition may be due lack of memory presence or utilization of the maximum number of devices.
Severity Unable to attach the IP record to vxworks.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpVlanUp: ifAddrSet failed for IfIndex __ cid __
Severity Fatal
Description This message is generated if the system cannot set the interface address.
Severity Unable to set the Interface address.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpVlanUp: ifMaskSet failed for IfIndex __ cid __
Severity Fatal
Description This message is generated when the system cannot set the mask for the IP address record.
Synopsis Unable to set the mask for the IP record.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpBecomeBackup: Unable to find the IP Rec for Vrid ___ on IfIndex ___
Severity	Error
Description	This message is generated when a pointer to a non-existent record returns NULL.
Synopsis	Memory may be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpVrrpBecomeBackUpMaster: Unable to find the IP Rec for Vrid ___ on IfIndex ___
Severity	Error
Description	This message is generated when a pointer to a non-existent record returns NULL.
Synopsis	Memory may be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpVrrpBecomeMaster rarAddVrrpMacAddress failed with Status ___ for IfIndex ___
Severity	Fatal
Description	This message is generated when a pointer to a non-existent record returns NULL.
Synopsis	Memory may be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpBecomeMaster: Unable to find the IP Rec for Vrid __ on IfIndex __
Severity	Error
Description	This message is generated when a pointer to a non-existent record returns NULL.
Synopsis	Memory may be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpVrrpBecomePseudoBackup: Unable to find the IP record for IfIndex <index>
Severity	Error
Description	This message is generated when the system fails to get the IP record associated with the VRRP record.
Synopsis	Hot-standby CPU is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpVrrpBecomePseudoBackUpMaster: Unable to find the IP record for IfIndex <index>
Severity	Error
Description	This message is generated when the system fails to get the IP record associated with the VRRP record.
Synopsis	Hot-standby CPU is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpVrrpBecomePseudoMaster: Unable to find the IP record for IfIndex <index>

Severity Error

Description This message is generated when the system fails to get the IP record associated with the VRRP record.

Synopsis Hot-standby CPU is not synchronized with the master CPU.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpVrrpBecomePseudoBackUpMaster: msg with unknown state

Severity Error

Description This message is generated when there is an unknown state in the message for the Backup Master.

Synopsis Hot-standby CPU is not synchronized with the master CPU.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpVrrpIn: Misconfigured Advertisement interval __ for Vrid __ on IfIndex __

Severity Error

Description This message is generated when there is a configuration mismatch of the advertisement interval on VRRP routers with the same VRID.

Synopsis Inconsistent advertisement interval.

Action Ensure that all the routers with the same VRID have the same advertisement interval.

Message	rcIpVrrpMasterIpEventSync: IfIndex <index>, Vrid <vrid> failed on syncing vrrp Master-IP-change event
Severity	Error
Description	This message is generated when the framework fails to synchronize with the master IP change event.
Synopsis	Hot-standby CPU is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpVrrpProcessAdvt: Unknown state __ for Vrid __ on IfIndex
Severity	Error
Description	This message is generated when an unknown state is encountered for the VRRP state.
Synopsis	Wrong state option.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcIpVrrpSendAdvertisement: Unable to allocate an output buffer for Vrid __ on IfIndex __
Severity	Error
Description	This message is generated when the pointer to the statically allocated VRRP hello buffer is NULL.
Synopsis	Memory may be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpVrrpSendAdvertisement: Unable to find the IP Rec for Vrid ___ on IfIndex ___

Severity Error

Description This message is generated when the pointer to a non-existent record returns NULL.

Synopsis Memory may be corrupted.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpVrrpShutdown: Unknown state ___ for Vrid ___ on IfIndex ___

Severity Error

Description This message is generated when an unknown VRRP state is encountered.

Synopsis Unknown VRRP state.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcIpVrrpTic: Unknown state ___ for Vrid ___ on IfIndex

Severity Error

Description This message is generated when an unknown state is encountered for VRRP state.

Synopsis Wrong state option.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpxAddrTblSet: remove IPX Net addr and cid in Rsmлт circ failed on vlan __
Severity	Error
Description	This message is generated when the system cannot remove the RSMLT circuit when the IPX circuit is deleted.
Synopsis	N/A
Action	Contact customer support.
Message	rcIpxRsmлтAddMacRecordForPeer: add MacAddress __ failed on MGID __ for Vlan __
Severity	Error
Description	This message is generated when the addition of the MAC address record fails.
Synopsis	Addition of MAC address fails.
Action	Contact customer service.
Message	rcIpxRsmлтForwardingForPeer: Unable to find Vlan __. IPX RSMLT feature failed on Macaddr = __
Severity	Warning
Description	This message is generated if the VLAN is invalid.
Synopsis	VLAN not found.
Action	Contact customer service
Message	rcIpxRsmлтOperTblGet invalid get option __
Severity	Error
Description	This message is generated when an invalid get option is selected
Synopsis	Option invalid.
Action	Contact customer service.

Message rcIpxRsmltSetLocalCircDefaultValue: chGetMacAddrVlan failed for VlanId __! No mac address available.
Severity Warning
Description This message is generated when the system cannot allocate a MAC address to the VLAN.
Synopsis N/A
Action Contact customer support.

Message rcIpxRsmltSetNode: unknown action __
Severity Error
Description This message is generated when an unknown action is encountered during a set operation.
Synopsis Unknown action.
Action Contact customer service.

Message rcIpxRsmltSetPeerRecord: rcv RSMLT msg from IST, but no RSMLT circuit on Vlan __
Severity Error
Description This message is generated when RSMLT is not enabled on the VLAN and the system receives a message from the IST peer.
Synopsis RSMLT Circ not found.
Action Contact customer service.

Message rcLaunchPadClusterTblSet:malloc failed
Severity Error
Description This message is generated when memory allocation fails.
Synopsis N/A
Action Reboot and redo cluster configuration.

Message RC_LAUNCH_PAD_CLUSTER_TBL_ENTRY_EVENT sync failed

Severity Error

Description This message is generated when the event synchronization fails.

Synopsis N/A

Action Reboot the slave. If problem persists, reboot the master.

Message rcMcastLoadIfRec: unable to find an IpIfRec for IfIndex _

Severity Error

Description This message is generated if the interface for the multicast is not found because the IP record is not found.

Synopsis IP record not found for the given index.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rcRadiusGlobalGrpSet Unable to spawn tRadAct task

Severity Error

Description This message is generated when the system cannot acquire a software resource.

Synopsis Software error.

Action Contact customer service.

Message rcRadiusServerTblSet can t take semaphore

Severity Error

Description This message is generated when the system cannot acquire a software resource.

Synopsis Software error.

Action Contact customer service.

Message	rcRipUpdateTimerTask: errno=%08x
Severity	Warning
Description	This message is generated when the RcRipUpdateTimerTask runs in an infinite loop and, if it encounters any error in between, it displays the error number. The error number is a task variable, and it displays the error number so that errors can be identified.
Synopsis	N/A
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rcRsmIc: Vlan __ Ip RsmIc Hold Down expire event sync failed
Severity	Error
Description	This message is generated when the system cannot synchronize the holddown expire event to the secondary CPU with the HA-enabled.
Synopsis	Synchronization event fails.
Action	Contact customer service and have the following information available : system logs including any memory dumps, switch configuration and network topology for further analysis.
Message	rcSendTestFrame: can't get a framebuffer
Severity	Error
Description	This message is generated when the system cannot allocate memory for storing a frame buffer.
Synopsis	Frame buffer full.
Action	Disable remote mirroring and re-enable when CPU utilization decreases.

Message rcVrrpUpdateTimerTask: Can't alloc VRRP fbuf!!
Severity Error
Description This message is generated when memory allocation for the VRRP frame buffer fails.
Synopsis Dynamic memory allocation fails.
Action Close all CLI sessions to free the memory.

Message rcVrrpUpdateTimerTask: Can't alloc VRRP fbuf!!
Severity Error
Description This message is generated when memory allocation for the VRRP frame buffer fails.
Synopsis Dynamic memory allocation fails.
Action Close all CLI sessions to free the memory.

Message Reached max size in the UdpConfBcastIntf Table
Severity Warning
Description This message is generated when size of the UdpConfBcastIntf reaches maximum.
Synopsis UdpConfBcastIntf is full.
Action Remove unwanted or stale entries. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Reached max size in the UdpPortFwdList Table
Severity Warning
Description This message is generated when the size of the UdpPortFwdList reaches maximum.
Synopsis UdpPortFwdList is full.
Action Remove unwanted or stale entries. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Reached max size in the UdpPort Fwd Table
Severity Warning
Description This message is generated when the size of the UdpPortFwdTbl reaches maximum.
Synopsis UdpPortFwdTbl is full.
Action No action necessary.

Message Reached max size in the UdpProtocol Table
Severity Warning
Description This message is generated when the size of the UdpProtocolTbl reaches maximum.
Synopsis UdpProtocolTbl is full.
Action Remove unwanted or stale entries. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Received wrong response message
Severity	Error
Description	This message is generated when you try to download an image or a configuration file to WSM/SAM using the <code>copy</code> command. If WSM/SAM responds with a incorrect or unexpected response, the system generates this error.
Synopsis	N/A
Action	Pull out the WSM/SAM card and re-insert it. Or use <code>sam samreset <slot-num></code> or <code>wsm wsmreset <slot-num></code> to reset the card. Then try to download the file to WSM/SAM again.
Message	recomputing: rcIpGetIf returns NULL
Severity	Error
Description	This message is generated when the search for the IP interface returns NULL.
Synopsis	Interface not identified.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	redistribution sync malloc failed
Severity	Error
Description	This message is generated on the Master CPU when the RIP entity cannot allocate memory to notify the hot-standby about the redistributed route entries in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message redistribution sync malloc failed. size = <int>
Severity Error
Description This message is generated when framework-message memory allocation fails.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Check memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Registering Naap Peer:<mac><sw_class><hw_class> on port <port num>
Severity Info
Description This message is generated during NAAP registration.
Synopsis N/A
Action N/A

Message Releasing allocated MLTs
Severity Info
Description This message is generated to specify that allocated MLTs are being released.
Synopsis N/A
Action N/A

Message remoteMirroringTimer: can't send frame
Severity Error
Description This message is generated when the switch cannot send the broadcast frame with RMT destination MAC as source MAC.
Synopsis N/A
Action If the message is repeated, disable and re-enable remote mirroring.

Message Remote mirroring packet list not initialized
Severity Error
Description This message is generated when the switch fails to initialize the remote-mirroring-packet linked list.
Synopsis N/A
Action Reboot the switch.

Message Remote mirroring port list not initialized
Severity Error
Description This message is generated when the switch fails to initialize the remote-mirroring-packet linked list.
Synopsis N/A
Action Reboot the switch.

Message Remote Mirroring Source disabled on port <port-number>
Severity Info
Description This message is generated when the remote mirroring source is disabled on the specified port.
Synopsis N/A
Action N/A

Message Remote Mirroring Source enabled on port <port-number>
Severity Info
Description This message is generated when the remote mirroring source is enabled on the specified port.
Synopsis N/A
Action N/A

Message Remote Mirroring Termination disabled on port <port-number>
Severity Info
Description This message is generated when the remote mirroring termination is disabled on the specified port.
Synopsis N/A
Action N/A

Message Remote Mirroring Termination enabled on port <port-number>
Severity Info
Description This message is generated when remote mirroring termination is enabled on the specified port.
Synopsis N/A
Action N/A

Message remoteMirroringTimer: can't send frame
Severity Error
Description This message is generated when the switch could not send the broadcast frame with RMT destination MAC as source MAC.
Synopsis N/A
Action If the message is repeated, disable and re-enable remote mirroring.

Message Remove ALL the WSM blades. Correct problem

Severity Info

Description This message is generated as a possible solution for message “Can not config WSM blade due to condition specified.”

Synopsis N/A

Action N/A

Message Removed ISD_PORTS from Stg: <stdid>

Severity Info

Description This message is generated when ISD ports are removed from the Spanning Tree Groups.

Synopsis N/A

Action N/A

Message Removed Naap Inter-chassis-link port: <port>

Severity Info

Description This message is generated when the port is removed from the ICL set.

Synopsis N/A

Action N/A

Message Removing Naap Peer: <mac> <sw_class> <hw_class> on port <port num>

Severity Info

Description This message is generated when the peer is being removed from NAAP.

Synopsis N/A

Action N/A

Message renaming file /flash/wsmtrunk.bin -> /flash/wsmtrunk.bin.bak

Severity Info

Description This message is generated when upgrading the 8600 to Release 3.5 and wsmtrunk.bin is present on flash. On successful upgrade, wsmtrunk.bin contents are saved in a new file asmconfig.bin. The wsmtrunk.bin file is renamed as wsmtrunk.bin.bak. 3.5 release uses only asmconfig.bin file and not wsmtrunk.bin or wsmtrunk.bin.bak.

Synopsis In Release 3.5, the WSM/SAM binary config file is known as asmconfig.bin.

Action If you decide to downgrade the switch to an older release, you can manually rename wsmtrunk.bin.bak to wsmtrunk.bin.

Message Reset due to heartbeat failure

Severity Info

Description This message is generated when a Web Switching Module is rested.

Synopsis N/A

Action N/A

Message Resetting config flag

Severity Info

Description This message is generated when resetting of configuration flag is in progress.

Synopsis N/A

Action N/A

Message	Revision number for I/O card in slot%d is older than the one supported for this feature (revision number = <value>) SMLT for Single CP feature not enabled for this slot
Severity	Warning
Description	This message is generated when the smlt-on-single-cp feature is enabled, when you insert a new I/O card, or when I/O state is enabled if the CPLD version of the I/O is older than the one supported for the smlt-on-single-cp feature.
Synopsis	Old hardware version.
Action	Contact customer service to update the hardware.
Message	rip2GarbageList Couldn't allocate timer param object
Severity	Error
Description	This message is generated whenever memory allocation fails to allocate a parameter object.
Synopsis	Dynamic memory allocation fails.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.
Message	rip2GarbageList detects a path that should have been removed when the new path is added into useful RIP route
Severity	Error
Description	This message is generated before a new path is added to the garbage list when the existence of a path that should have been removed is detected.
Synopsis	Improper deletion of previous route.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rip2GarbageList has too many paths
Severity Error
Description This message is generated whenever an attempt is made to add a new path to garbage collection list and the garbage list already has the maximum permissible entries.
Synopsis Cannot add a new path.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rip2GarbageList unable to allocate a rcForwEnt for the new path
Severity Error
Description This message is generated whenever memory allocation fails to add a new path in the garbage collection list.
Synopsis Dynamic memory allocation fails.
Action Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message RipAddRoute: Couldn't allocate timer param object
Severity Error
Description This message is generated whenever memory allocation for the timer parameter object fails.
Synopsis Dynamic memory allocation fails.
Action Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	RipAddRoute: entire Garbage Rt path should be removed
Severity	Error
Description	This message is generated when not all entries in the garbage list could be deleted.
Synopsis	Internal deletion of garbage list entries fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	RipAddRoute: unable to allocate timer for RIP route
Severity	Error
Description	This message is generated whenever the system is not able to allocate a timer for the RIP route.
Synopsis	Dynamic memory allocation fails.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.
Message	ripCircuitSyncNotify: malloc() failed
Severity	Error
Description	This message is generated on the master CPU during the notification of RIP circuit parameters to the hot-standby due to unavailability of memory in an HA-enabled chassis.
Synopsis	Unable to allocate memory for the RIP entity.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripCircuitSyncNotify: failed to sync RIP Circ.
Severity	Error
Description	This message is generated on the master CPU when the notification of the RIP circuit parameters to the hot-standby is not successful in an HA-enabled Chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	RipDelRoute is deleting non-garbage route
Severity	Error
Description	This message is generated whenever the system cannot locate an exact match in the garbage collection list.
Synopsis	Search fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rip_free_redist_route_notify_list: rip_redist_route_notify_list is not empty
Severity	Error
Description	This message is generated on the Master CPU when the RIP entity trying to free the list is not notified to the hot-standby in an HA-enabled chassis
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ripGarbageList SyncCallback: Malloc() failed
Severity Error
Description This message is generated on the hot-standby when the RIP entity cannot allocate memory.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ripGarbageListSyncCallback: malloc() failed for newPath
Severity Error
Description This message is generated on the hot-standby when the RIP entity cannot allocate memory for a new route path.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ripGarbageListSyncCallback: malloc() failed for p2timer
Severity Error
Description This message is generated on the hot-standby when the RIP entity cannot allocate memory for a RIP related timer.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ripGarbageListSyncCallback: malloc() failed for pForw_Ent
Severity Error
Description This message is generated on the hot-standby when the RIP entity cannot allocate memory for a new route path.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ripGarbageListSyncCallback: malloc() failed for rip_timer
Severity Error
Description This message is generated on the hot-standby when the RIP entity cannot allocate memory for a RIP related timer.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message ripGarbageListSyncNotify : failed to sync RIP garbage rt
Severity Error
Description This message is generated on the master CPU when the notification of the RIP garbage list to the hot-standby fails in an HA-enabled chassis.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripGlobalsSyncNotify: failed to sync RIP Globals
Severity	Error
Description	This message is generated on the master CPU when the notification of the RIP global data structures to the hot-standby is unsuccessful in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis
Message	ripGlobalsSyncNotify: malloc() failed
Severity	Error
Description	This message is generated on the master CPU during the notification of RIP global data structures to the hot-standby due to unavailability of memory in an HA-enabled chassis.
Synopsis	Unable to allocate memory for the RIP entity.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	RipProcEntry: RIP circuit not found
Severity	Error
Description	This message is generated when the specified RIP circuit ID is not found.
Synopsis	RIP circuit ID is not correct.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	RipProcIpa: failed at RipReplaceRoute with 1
Severity	Error
Description	This message is generated when an attempt to change the existing route to a new, lower-cost route fails.
Synopsis	Change of route fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	RipPurgeRouteByCirc: unable to allocate a blk mem for route deletion
Severity	Error
Description	This message is generated when memory allocation for route detection block fails.
Synopsis	Dynamic memory allocation fails.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.
Message	ripRedistSyncCallBack size mismatch. rip_redist_ent
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity finds a mismatch between the expected size and the size of the route list received from the master CPU.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripRedistSyncNotify: bad value of cnt
Severity	Error
Description	This message is generated on the master CPU when the RIP entity finds a mismatch between the number of entries notified and the actual number of entries to the hot-standby.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis
Message	ripRedistSyncNotify: size mismatch exp_size msg_len
Severity	Error
Description	This message is generated on the master CPU when the RIP entity finds a mismatch in the size of the route list notified to the hot-standby in an HA-enabled chassis
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ripRouteSyncNotify: failed to sync RIP routes
Severity	Error
Description	This message is generated on the master CPU when the notification of the learned RIP routes to the hot-standby is not successful in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripRouteSyncNotify: malloc() failed
Severity	Error
Description	This message is generated on the master CPU during the notification of learned RIP routes to the hot-standby. The error is caused by unavailability of memory in an HA-enabled chassis.
Synopsis	Unable to allocate memory for the RIP entity.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	riprx: failed to event sync RIP Update
Severity	Error
Description	This message is generated on the master CPU when the RIP entity fails to notify the hot-standby about the RIP update in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	RipSpecReq: unable to allocate a mem for new route
Severity	Error
Description	This message is generated whenever memory allocation fails for new route
Synopsis	Dynamic memory allocation fails.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	ripSyncCallback: corrupt message
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity receives a corrupt HA framework message during table synchronization of RIP parameters.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ripSyncCallback: unknown msg type
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity receives an unidentified HA framework message during table or event-based synchronization of RIP parameters.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ripSyncCallback: unknown msg type %d in GLOBAL_ENABLE_EVENT
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity receives an unidentified HA framework message during event-based synchronization of RIP parameters.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripSyncCallback: unknown msg type %d in RIP_INTERFACE_RXTX_EVENT
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity receives an unidentified HA framework message during event-based synchronization of RIP parameters.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ripSyncNotify: ripCircuitSyncNotify() failed
Severity	Error
Description	This message is generated on the master CPU when the notification of the RIP circuit parameters to the hot-standby is not successful in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ripSyncNotify: ripGarbageListSyncNotify() failed
Severity	Error
Description	This message is generated on the master CPU when the notification of the RIP garbage list to the hot-standby is not successful in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripSyncNotify: ripRouteSyncNotify() failed
Severity	Error
Description	This message is generated on the master CPU when the notification of the learned RIP routes to the hot-standby is not successful in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ripTimeout: Could not find the path IP addr that is timing out
Severity	Error
Description	This message is generated whenever an attempt to timeout a RIP entry fails.
Synopsis	The RIP entry to be timed out is not found in the table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	ripTimeout: failed to event sync RIP Purge Route
Severity	Error
Description	This message is generated on the master CPU when the RIP entity fails to notify the hot-standby about the RIP timeout event in an HA-enabled chassis
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripUpdateTimeSyncEvent:event sync failed for global rip update time
Severity	Error
Description	This message is generated on the Master CPU when the RIP entity cannot notify the hot-standby about the RIP update time.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rmapSyncNotify: failed to sync rmap Entries
Severity	Error
Description	This message is generated on the master CPU when the notification of the route policy entries to the hot-standby is not successful in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rmapSyncNotify : malloc failed
Severity	Error
Description	This message is generated on the master CPU during the notification of route policy parameters to the hot-standby. The error is caused by unavailability of memory in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rpsGenPolicyGrpSetEvent: event sync failed
Severity Error
Description This message is generated on the master CPU when the RPS entity cannot notify the event during an event-based synchronization in an HA-enabled chassis.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rpsRedundPolPrefixEntrySync: malloc() failed
Severity Error
Description This message is generated on the master CPU during the notification of prefix list entries to the hot-standby. The error is caused by unavailability of memory in an HA-enabled chassis.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rpsSetOspfRedistApplyEvent: event sync failed
Severity Error
Description This message is generated on the master CPU when the RPS entity cannot notify the event during an event-based synchronization in an HA-enabled chassis.
Synopsis N/A
Action N/A

Message rpsSyncCallback:corrupt msg
Severity Error
Description This message is generated on the hot-standby when the RPS entity receive a corrupt HA framework message during event or table-based synchronization of route policy entries.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rpsSyncCallback: Invalid Event Id
Severity Error
Description This message is generated on the hot-standby when the RPS entity receive a notification message for an invalid event during event or table-based synchronization.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rpsSyncCallback: Prefix-list not found
Severity Error
Description This message is generated on the hot-standby when the RPS entity cannot locate the prefix list notified by the master CPU during table-based synchronization.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rpsSyncNotify: Failed to sync the prefix list entries
Severity	Error
Description	This message is generated on the master CPU when the notification of the prefix list entries to the hot-standby is not successful in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	RSMLT Circ not found when delete IPX Netaddr
Severity	Error
Description	This message is generated when the system cannot find the RSMLT Circ in order to delete it.
Synopsis	Software error.
Action	Contact customer service.
Message	rtmChangeListSyncCallback: received entry can't be located dst
Severity	Error
Description	This message is generated on the hot-standby when the RTM entity cannot locate the destination route entry during table-based synchronization in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmChangeListSyncCallback: unable to allocate a rcForwEnt
Severity	Error
Description	This message is generated on the hot-standby when the RTM entity cannot allocate memory to store a change list entry in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rtmClientBookmarkSyncCallback: Change list entries are corrupted
Severity	Error
Description	This message is generated on the hot-standby when the RTM entity finds change list entries are corrupted during the table-based synchronization in a HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rtmClientBookmarkSyncCallback :Redistribution is enabled for the protocol in master but not notified to HA.
Severity	Error
Description	This message is generated on the hot-standby when the RTM entity finds redistribution is not enabled for the protocol during the table-based synchronization.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmClientBookmarkSyncNotify:failed to sync bookmark entries
Severity	Error
Description	This message is generated on the master CPU when the notification of the bookmark entries to the hot-standby is not successful in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rtmClientBookmarkSyncNotify : malloc failed
Severity	Error
Description	This message is generated on the master CPU during the notification of bookmark entries to the hot-standby. This error is caused by unavailability of memory in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rtmClientBookmarkSyncNotify:tRED_RTM_CLIENT_BOOKMARK_ENTRY expected size mismatch
Severity	Error
Description	This message is generated on the master CPU when the RTM entity finds a mismatch in the size of bookmark entry notified to the hot-standby in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmRouteDelEntrySyncCallback: Entries to be deleted and actually deleted
Severity	Error
Description	This message is generated in the hot-standby when there is a mismatch in the routes notified to be deleted and actually deleted.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rtmRouteDelEntrySyncCallback received entry can't be located dst
Severity	Error
Description	This message is generated in the hot-standby when the received route path could not be found during the event-based synchronization of flushed route entries.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rtmSyncCallback: corrupt msg
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity receive a corrupt HA framework message during table synchronization of change list and bookmark entries.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmSyncCallback: Invalid Event Id
Severity	Error
Description	This message is generated on the hot-standby when the RTM entity receives an invalid event during the event-based synchronization of change list or bookmark entries.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rtmSync_flush_init: arp_depend_ip_flush_list is not empty
Severity	Error
Description	This message is generated on the Master CPU during the event-based synchronization of flushed route entries to the hot-standby in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rtmSync_flush_init: malloc failed
Severity	Error
Description	This message is generated on the Master CPU when it cannot allocate memory to notify flushed route entries during the event-based synchronization.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rtmSyncNotify: failed to sync change list entries
Severity Error
Description This message is generated on the master CPU when the notification of the change list entries to the hot-standby fails in an HA-enabled chassis.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rtmSyncNotify:Failed to sync the change List entries
Severity Error
Description This message is generated on the master CPU when the notification of change list entries to the hot-standby fails in an HA-enabled chassis
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message rtmSyncNotify: Failed to sync the client bookmark entries
Severity Error
Description This message is generated on the master CPU when the notification of client bookmark entries to the hot-standby fails in an HA-enabled chassis.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmSyncNotify: malloc() failed
Severity	Error
Description	This message is generated on the master CPU during the notification of change list entries to the hot-standby. This error is caused by unavailability of memory in an HA-enabled chassis.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	rtmSyncSendRouteDelEntry: malloc() failed
Severity	Error
Description	This message is generated on the Master CPU when it cannot allocate memory to notify flushed route entries during event-based synchronization.
Synopsis	Hot-standby data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	SAM initialization completed - Slot <slot-num>
Severity	Info
Description	This message is generated when the initialization of SAM card (upon its insertion to the chassis or on switch reboot) completes successfully.
Synopsis	N/A
Action	N/A

Message	SAM initialization failed - Slot <slotNum>
Severity	Error
Description	This message is generated when the initialization of SAM card (upon its insertion to the chassis or on switch reboot) fails.
Synopsis	N/A
Action	Pull out the SAM card and reinsert it or use <code>sam samreset <slot-num></code> to reset the card.
Message	SAM Port will not be added to any policy based VLAN
Severity	Warning
Description	This message is generated when trying to add a SAM port to a policy-based VLAN.
Synopsis	SAM port can be added to only port-based VLANs.
Action	N/A
Message	Save config to file <file-name> failed.
Severity	Info
Description	This message is generated when the switch cannot save PCAP configuration.
Synopsis	N/A
Action	N/A
Message	Save config to file <file-name> successful.
Severity	Info
Description	This message is generated when the PCAP configuration is saved successfully in the slave CPU.
Synopsis	N/A
Action	N/A

Message	Select failed
Severity	Warning
Description	This message is generated when the select function call fails.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	SendLSUPacket: invalid circuit
Severity	Fatal
Description	This message is generated when the system encounters an invalid configuration of the interface when a request to send LSU is made.
Synopsis	Interface unavailable, fatal error.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	set lp state event sync failed.
Severity	Error
Description	This message is generated when the event synchronization fails.
Synopsis	N/A
Action	Reboot the slave CPU. Reboot the master CPU if the problem persists.

Message	Set Naap Vlan DataMac: <mac>
Severity	Info
Description	This message is generated when the MAC is set for data for the NAAP VLAN.
Synopsis	N/A
Action	N/A

Message	Set Naap Vlan IP Addr <ip address>
Severity	Info
Description	This message is generated when the IP address for the NAAP VLAN is set.
Synopsis	N/A
Action	N/A
Message	Slot%d - card not init yet
Severity	Error
Description	This message is generated when card hardware has not been fully initialized by the chassis yet.
Synopsis	Card not initialized.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	Slot: __ Current State __
Severity	Info
Description	This message is generated to print slot and the current state for the previous iPreconfigTask: illegal cont_bootp_config scenario.
Synopsis	N/A
Action	N/A
Message	Slot: __ Current State: __
Severity	Info
Description	This message is generated when a card is inserted from a slot in non-hidden mode.
Synopsis	Slot and state for the previous log message.
Action	N/A

Message Slot __ Vlan __ Rel_Port_Id __
Severity Info
Description This message is generated to specify slot, VLAN and release port information for previous log message.
Synopsis N/A
Action N/A

Message Slot <slot> BCM 5690 Init Done
Severity Info
Description This message is generated when the Service Delivery Module (SDM) blade initialization is complete.
Synopsis N/A
Action N/A

Message Slot <slot-num> SSL Interrupt: Card going for a reboot
Severity Info
Description This message is generated when the SSL card is reset.
Synopsis N/A
Action N/A

Message Slot <slot-num> SSL Interrupt: Card rebooted
Severity Info
Description This message is generated when the SSL card completes reset.
Synopsis N/A
Action N/A

Message SMLT Id array overflow in RSMLT Circ on Vlan __
Severity Error
Description This message is generated when the SMLT array is full and it has no place to accommodate more IDs.
Synopsis Software error.
Action Contact customer service if the problem persists.

Message SmltType number is overflow, IfIndex=__, Vlan Id=__, type SMLT, Smlt Id=__
Severity Error.
Description This message is generated when the number of SMLT IDs added exceeds the maximum limit.
Synopsis N/A
Action Contact customer service if the problem persists.

Message SSL Port removed from VLAN <vlan id>
Severity Info
Description This message is generated when SAM port is added to a new VLAN. The port is automatically removed from its old VLAN.
Synopsis SAM port can be a member of only one VLAN.
Action N/A

Message STG __ HAS ALREADY BEEN USED
Severity Info
Description This message is generated when the maximum number of Spanning Tree Groups supported has already been taken.
Synopsis Spanning Tree Groups are exhausted.
Action Change the configuration to free Spanning Tree Groups.

Message	syncDynArpAdd: corrupt msg @ <int>
Severity	Error
Description	This message is generated when the ARP synchronization message received by the HA-CPU is NULL.
Synopsis	Hot-standby dynamic ARP data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	syncStaticArpAdd: corrupt msg @ <int>
Severity	Error
Description	This message is generated when the ARP synchronization message received by the HA-CPU is NULL.
Synopsis	Hot-standby static ARP data is not synchronized with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	System activity performed
Severity	Info
Description	This message is generated when the system clock is synchronized with real-time clock (RTC).
Synopsis	N/A
Action	No action is required.

Message System Arp Table Full
Severity Error
Description This message is generated when there is no empty slot in the ARP table for an entry is to be added.
Synopsis Cannot add new entry in ARP table.
Action Delete unwanted ARP entries from the table.

Message System Arp Table Full
Severity Error
Description This message is generated when the ARP table on the HA-CPU is full.
Synopsis Hot-standby ARP is not synchronized with the master CPU.
Action Check software versions between master and HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message System out of memory
Severity Fatal
Description This message is generated when the system is out of memory.
Synopsis Insufficient memory.
Action Contact customer service if the problem persists.

Message Table syncing failed for radius server entries
Severity Error
Description This message is generated when the system cannot synchronize RADIUS configuration to redundant CPU in HA Mode.
Synopsis Software error.
Action Contact customer service.

Message Table syncing failed for radius snmp entries
Severity Error
Description This message is generated when the system cannot synchronize RADIUS configuration to redundant CPU in HA Mode.
Synopsis Software error.
Action Contact customer service.

Message The RSMLT circuit of Vlan __ exists already in slave CPU.
Severity Info
Description This message is generated when the RSMLT circuit is already present on the secondary CPU.
Synopsis RSMLT config already synchronized.
Action N/A

Message The SAM in slot <slot-num> has missed 6 heartbeats and communication may have been lost. You may need to reset the SAM in slot <slot-num>/.
Severity Warning
Description This message is generated when the Passport 8600 misses 6 consecutive heart-beat messages from SAM.
Synopsis N/A
Action N/A

Message The username and the password for SSL ADMIN are set to default values. It is highly recommended to change the password once the switch boots up.

Severity Info

Description This message is generated when the Passport 8600 is upgraded from an old release that does not support SSLADMIN access level. SSLADMIN password is set to default.

Synopsis N/A

Action Change SSLADMIN password.

Message The WSM in slot%d has missed 6 heartbeats

Severity Info

Description This message is generated when chassis automatic reset of the malfunctioning Web Switching Module fails.

Synopsis N/A

Action N/A

Message Then re-insert WSM blades afterward

Severity Info

Description This message is generated as a possible solution for message “Can not config WSM blade due to condition specified.”

Synopsis N/A

Action N/A

Message This interface doesn't have an IpRec
Severity Warning
Description This message is generated whenever an attempt to get the IP record of an interface fails.
Synopsis Memory is corrupted or sending RIP PDUs on an invalid interface.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message to get vlan table entry <vlan-id>
Severity Error
Description This message is generated when an attempt is made to add a port to a nonexistent Enforcement VLAN.
Synopsis N/A
Action Create an Enforcement VLAN and add ports to the new Enforcement VLAN.

Message Tree depth should not be zero
Severity Info
Description This message is generated if the depth of the RTX tree is not zero.
Synopsis Non-zero value for RTX tree depth.
Action No action needed.

Message udpBcastIntfTblSyncCallback: corrupt message
Severity Error
Description This message is generated when there is a mismatch in the data-structure size between the master and secondary CPUs.
Synopsis Hot-standby UDP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: runtime software versions on both CPUs.

Message udpBcastIntfTblSyncNotify: Failed to sync udpConfBcastIntfTbl.
Severity Error
Description This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis Hot-standby UDP data is not synchronized with the master CPU.
Action Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message udpBcastIntfTblSyncNotify: malloc failed
Severity Error
Description This message is generated when the framework-message memory allocation fails.
Synopsis Hot-standby UDP data is not synchronized with the master CPU.
Action Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message udpCliShowInterfaceInfo: UdpConfBcastIntf not initialized

Severity Error

Description This message is generated when UdpConfBcastIntf is not initialized.

Synopsis Pointer/reference to UdpConfBcastIntf Table is NULL.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message udpCliShowPortFwdListInfo: UdpPortFwdListTbl not initialized

Severity Error

Description This message is generated when UdpPortFwdListTbl is not initialized.

Synopsis Pointer/reference to UdpPortFwdListTbl Table is NULL.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message udpCliShowProtocolInfo: UdpProtocolTbl not initialized

Severity Error

Description This message is generated when UdpProtocolTbl is not initialized.

Synopsis Pointer/reference to UdpProtocolTbl Table is NULL.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpEntryIdStackSyncNotify: malloc failed!
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby UDP data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	UdpPortFwdList table already in use
Severity	Error
Description	This message is generated when table UdpPortFwdList is in use by another process.
Synopsis	N/A
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	udpPortFwdTblSyncCallback : malloc failed!
Severity	Error
Description	This message is generated when the memory allocation for UDP forward list fails on the HA-CPU.
Synopsis	Hot-standby UDP data is not synchronized with the master CPU.
Action	Check the memory statistics on the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpPortFwdListTblSyncNotify: malloc failed!
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby UDP data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	udpPortFwdTblSyncNotify : malloc failed.
Severity	Error
Description	This message is generated when the framework-message memory allocation fails.
Synopsis	Hot-standby UDP data is not synchronized with the master CPU.
Action	Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.
Message	UdpPortFwdTbl Entry doesn't exist id
Severity	Warning
Description	This message is generated when there is no exact match found for the entry that matches the UdpPortFwdTable NetId.
Synopsis	Match not found.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message UdpProtocol Entry doesn't exist for UdpPort
Severity Error
Description This message is generated when the UDP protocol record for the given UDP Port number is nonexistent.
Synopsis Entry not found.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message udpProtocolSyncCallback: corrupt message.
Severity Error
Description This message is generated when there is a data-structure size mismatch between the master and secondary CPUs.
Synopsis Hot-standby UDP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: runtime software versions on both CPUs.

Message udpProtocolSyncNotify : Failed to sync udp protocol table
Severity Error
Description This message is generated when the framework synchronization message sent to the HA-CPU fails.
Synopsis Hot-standby UDP data is not synchronized with the master CPU.
Action Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message udpSyncCallback: corrupt message.
Severity Error
Description This message is generated when there is a software version mismatch between the master CPU and the HA-CPU.
Synopsis Hot-standby UDP data is not synchronized with the master CPU.
Action Check software versions between master and HA-CPU. Contact customer service and have the following information available: software version on both CPUs.

Message udpSyncCallback:Invalid Event Id.
Severity Error
Description This message is generated when the event ID received on the HA-CPU is not recognized.
Synopsis Hot-standby UDP data is not synchronized with the master CPU.
Action Check software versions between master and HA-CPU. Contact customer service and have the following information available: software version on both CPUs.

Message udpSyncNotify: Failed to sync the udp portfwd table entries.
Severity Error
Description This message is generated when the table synchronization of the UDP portfwd table to the HA-CPU fails.
Synopsis Hot-standby UDP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message udpSyncNotify: Failed to sync the udp portfwddlist table entries.
Severity Error
Description This message is generated when the table synchronization of the UDP portfwddlist table to the HA-CPU fails.
Synopsis Hot-standby UDP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message udpSyncNotify: Failed to sync the udp protocol table entries.
Severity Error
Description This message is generated when the table synchronization of the UDP protocol table to the HA-CPU fails.
Synopsis Hot-standby UDP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message udpSyncNotify: Failed to sync the udp stack id entries.
Severity Error
Description This message is generated when the table synchronization of the UDP stack ID entries to the HA-CPU fails.
Synopsis Hot-standby UDP data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message unable to get the IpRec for Addr __ __ __

Severity Error

Description This message is generated during update of the OSPF circuit status when there is a nonexistent IP record for the corresponding IP address.

Synopsis Invalid IP address obtained while updating OSPF circuit.

Action Check the interface configuration and state. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message unable to get the IpRec for Addr _._._._

Severity Error

Description This message is generated if the system cannot get the IP interface from the IP address.

Synopsis Unable to get the interface from the IP address.

Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message Unable to restore port -- to Vlan --

Severity ERROR

Description This message is generated after the user session terminates when the system encounters an error while returning the 8021x controlled port to its original VLAN. NOTE: the port should have been assigned to the VLAN returned by the RADIUS server when it received 8021x authentication.

Synopsis System error.

Action Report the problem.

Message Unknown code in request pkt<num>
Severity Error
Description This message is generated when an internal mismatch exists in the software for the RADIUS packet code.
Synopsis Software error.
Action Contact customer service if the problem persists.

Message unknown IP RSMLT node for IfIndex ___
Severity Error
Description This message is generated when an invalid option of the RSMLT node type is encountered.
Synopsis Software error.
Action Contact customer service.

Message Unknown message type in IPF Global
Severity Error
Description This message is generated on the hot-standby when the filter entity receives an unidentified HA framework message during table or event-based synchronization.
Synopsis Hot-standby data is not synchronized with the master CPU.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message unrecognized record type _ from alsRead
Severity Error
Description This message is generated when an unidentified record type is encountered while trying to load a routine for the RCIP MultiCast.
Synopsis Record type invalid.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message unrecognized record type ___ from alsRead
Severity Error
Description This message is generated if an unidentified record type is received from the alsRead.
Synopsis Invalid record type from alsRead.
Action No action is necessary.

Message update summary sync malloc failed
Severity Error
Description This message is generated when the framework-message memory allocation fails.
Synopsis Hot-standby OSPF data is not synchronized with the master CPU.
Action Check the memory statistics on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message user connected via console port
Severity Info
Description This message is generated upon connection to the switch through the console port.
Synopsis N/A
Action N/A

Message user connected via modem port
Severity Info
Description This message is generated upon connection to the switch through the modem port.
Synopsis N/A
Action N/A

Message User -- on Port -- is authenticated
Severity Info
Description This message is generated when a user successfully logs in to an 8021x controlled port.
Synopsis User session begins.
Action No action necessary.

Message User -- on Port -- is disconnected
Severity Info
Description This message is generated when an 8021x authorized user logs out.
Synopsis User session is terminated.
Action No action is necessary.

Message user <UserName> connected from <IP Addr> via rlogin
Severity Info
Description This message is generated when a user connects to the switch using rlogin.
Synopsis N/A
Action N/A

Message user <UserName> connected from <IP Addr> via telnet
Severity Info
Description This message is generated when the user connects to the switch using telnet.
Synopsis N/A
Action N/A

Message user <user-name> logged out from console port
Severity Info
Description This message is generated when you log out from a console connection.
Synopsis N/A
Action N/A

Message user <user-name> logged out from modem port
Severity Info
Description This message is generated when you log out from a modem connection.
Synopsis N/A
Action N/A

Message verify_ospf_packet: are a mismatch other_areaaid = _ _ _ _ _
myareaID = _ _ _ _ _

Severity Info

Description This message is generated when there is a mismatch between the areas.

Synopsis Incorrect topology.

Action Use the correct configuration.

Message verify_ospf_packet: auth failure ipa

Severity Error

Description This message is generated if the IP address is not authenticated. This is caused when there is a mismatch between the key in the packet and the key in the OSPF area.

Synopsis IP address is not authenticated.

Action Enter a valid key for authentication.

Message verify_ospf_packet: virt intf area=_._._._nbr=_._._._ auth failure
pkt type=_

Severity Info

Description This message is generated if the virtual interface is not authenticated against the neighbor due to invalid key or invalid authorization type.

Synopsis Authentication fails.

Action Ensure valid Authentication type and authentication key are provided.

Message	Vlan id -- returned from RADIUS server cannot be used for port -- belonging to MLT
Severity	Info
Description	This messages is generated when the system tries to move the 8021x authorized port to the VLAN returned by the RADIUS server and the port belongs to an MLT.
Synopsis	System attempts to move 8021x authorized MLT port to VLAN returned by RADIUS server.
Action	Remove the port from MLT.
Message	Vlan id -- returned from RADIUS server cannot be used for tagged port --
Severity	Info
Description	This messages is generated when the system tries to move the 8021x authorized port to the VLAN returned by the RADIUS server and the port is tagged.
Synopsis	System attempts to move 8021x the authorized tagged port to VLAN returned by RADIUS server.
Action	Designate the port as untagged.
Message	VLAN -- returned by RADIUS server for port -- does not exist
Severity	Error
Description	This message is generated when the VLAN returned by the RADIUS server for the 8021x authorized port is non-existent.
Synopsis	RADIUS returned invalid VLAN
Action	Create the VLAN returned by the RADIUS server or configure the RADIUS server to return a valid VLAN.

Message vlanSyncCallback: unsupported version _
Severity Error
Description This message is generated if an unsupported version of the static route is encountered during synchronization call back.
Synopsis Invalid version of static route.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message VR IP address is changed to __ and not equal to Phy IP Address __ any more - decrease Priority from 255 to 254
Severity Error
Description This message is generated when users change the VRRP IP address from the interface address to another IP address.
Severity VR IP address changed.
Action Change the priority from 255 to 254.

Message vrrpOperTblGet invalid get option
Severity Error
Description This message is generated when the system encounters an incorrect option.
Synopsis Wrong option.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message vrrpRouterStatsTblGet invalid get option
Severity Error
Description This message is generated when the system encounters an incorrect option.
Synopsis Wrong option.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message wsm entry found in wsm4TrunkConfig
Severity Error
Description This message is generated when the mode is not hidden.
Synopsis Mode invalid.
Action Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message You may need to reset the WSM in slot
Severity Info
Description This message is generated when automatic reset of the malfunctioning Web Switching Module by the chassis fails.
Synopsis N/A
Action N/A

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