



TL1 Alarms and Errors



Note

The terms "Unidirectional Path Switched Ring" and "UPSR" may appear in Cisco literature. These terms do not refer to using Cisco ONS 15xxx products in a unidirectional path switched ring configuration. Rather, these terms, as well as "Path Protected Mesh Network" and "PPMN," refer generally to Cisco's path protection feature, which may be used in any topological network configuration. Cisco does not recommend using its path protection feature in any particular topological network configuration.

This chapter provides TL1 alarm and error information supported by the Cisco ONS 15454 and Cisco ONS 15327, including:

- Alarms
- Errors
- Echo

Each alarm includes a description and severity. Errors are listed by error type and include error message. For a list of TL1 conditions, see [Table 4-74 on page 4-47](#).

7.1 Alarms

Refer to "Alarm Troubleshooting" in the *Cisco ONS 15454 Troubleshooting Guide* or the *Cisco ONS 15327 Troubleshooting Guide* for complete alarm definitions, trouble notifications, and fault recovery procedures. The alarms are listed alphabetically by alarmable object:

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For a sample of each TL1 alarm that can be generated by the ONS 15454, refer to the file 15454_r40_tl1_alarms.txt on the Cisco ONS 15454 Software CD in the subdirectory \Tl1. For a sample of each TL1 alarm that can be generated by the ONS 15327, refer to the file 15327_r40_tl1_alarms.txt on the Cisco ONS 15327 Software CD in the subdirectory \Tl1. These files can be used to test an operations support system's ability to receive alarms which the ONS 15454/ONS 15327 can raise.

7.1.1 AEP

Alarm expansion panel

Table 7-1 AEP

AEP Alarm	Severity (Active)	Description
EQPT	CR/SA	An Equipment Failure alarm indicates that a hardware failure has occurred on the reporting card.
MFGMEM	CR/SA	The manufacturing data memory failure alarm means that the ONS 15454/15327 cannot access the data on the erasable programmable read-only memory (EPROM).

7.1.2 AIP

Auxiliary interface protection module

Table 7-2 AIP

AIP Alarm	Severity (Active)	Description
INVMACADR	MJ/NSA	The ONS 15454/15327 media access control layer address (MAC address) is invalid.
MEA	CR/SA	If the Mismatch of Equipment Attributes alarm is reported against the AIP, the fuse in the AIP board blew or is missing. The MEA alarm also occurs when an old AIP board with a 2-Amp fuse is installed in a newer 10 Gbps-compatible or ANSI shelf assembly (15454-SA-ANSI).
MFGMEM	CR/SA	The manufacturing data memory failure alarm means that the ONS 15454/15327 cannot access the data on the erasable programmable read-only memory (EPROM).

7.1.3 BITS

Building integration timing supply (BITS) incoming references (BITS-1, BITS-2)

Table 7-3 BITS

BITS Alarm	Severity (Active)	Description
LOF	MJ/SA	A port on the TCC/MIC BITS input detects a loss of frame (LOF) on the incoming BITS timing reference signal.
LOS	MJ/SA	The TCC/MIC card has a loss of signal (LOS) condition from the BITS timing source.
SSM-FAIL	MN/NSA	Synchronization status messaging failed.

7.1.4 BP

The backplane

Table 7-4 BP

BP Alarm	Severity (Active)	Description
MEA	CR/SA	The Mismatch of Equipment and Attributes (MEA) alarm for the backplane means that the revision of the backplane is incompatible with XC10G equipment.
MFGMEM	CR/SA	The Manufacturing Data Memory Failure (MFGMEM) alarm means that the ONS 15454/15327 cannot access the data on the erasable programmable read-only memory (EPROM).

7.1.5 CC

Control channel

Table 7-5 CC

CC Alarm	Severity (Active)	Description
CKTDOWN	CR/SA	The Unified Control Plane (UCP) Circuit Down alarm applies to logical circuits created within the UCP between devices.
LMP-HELLODOWN	MN/NSA	The Link Management Protocol (LMP) Hello Down alarm means that Hello protocol, which monitors unified control plane (UCP) control channel status, is not available for link management.
LMP-NDFAIL	MN/NSA	The LMP Neighbor Detection Fail alarm means that neighbor detection within the UCP has failed.

7.1.6 CKT

UCP circuit

Table 7-6 CKT

CKT Alarm	Severity (Active)	Description
CKTDOWN	CR/SA	The Unified Control Plane (UCP) Circuit Down alarm applies to logical circuits created within the UCP between devices and It occurs when the there is signaling failure across a UCP interface..

7.1.7 DS1

A DS1 line on a DS1 or DS3XM card

Table 7-7 DS1

DS1 Alarm	Severity (Active)	Description
LOF	MJ/SA	The receiving ONS 15454/15327 has lost frame delineation in the incoming data.
LOS	MJ/SA	A loss of signal (LOS) at the card for either a DS-3 port or a DS-1 port.
RCVR-MISS	MJ/SA	The facility termination equipment detects an incorrect amount of impedance on its backplane connector.
TRMT	MJ/SA	There is a transmit failure on the DS1-14 card due to an internal hardware failure.
TRMT-MISS	MJ/SA	The facility termination equipment detects an incorrect amount of impedance on its backplane connector.

7.1.8 DS3

A DS3 line on a DS3 or DS3XM card

Table 7-8 DS3

DS3 Alarm	Severity (Active)	Description
LOF	CR/SA	The receiving ONS 15454/15327 has lost frame delineation in the incoming data.
LOS	CR/SA	This LOS for either a DS-3 port or a DS1-14 port occurs when the port on the card is in service but no signal is being received.

7.1.9 DWDM Client

The port (such as OC-12 or OC-48) where the client signal is plugged in

Table 7-9 DWDM Client

DWDM Client Alarm	Severity (Active)	Description
AUTOLSROFF	CR/SA	The Auto Laser Shutdown alarm occurs when the OC-192 card temperature exceeds 194° F (90 ° C).
CARLOSS (ML-Series)	MJ/SA	The Ethernet port has lost its link and is not receiving a valid signal.
EOC	MJ/NSA	The SONET Data Communications Channel (DCC) Termination Failure alarm occurs when the ONS 15454 loses its data communications channel.
HI-LASERBIAS	MN/NSA	The Equipment High Transmit Laser Bias Current alarm is raised against the TXP and MXP card laser performance. The alarm indicates that the card laser has reached the maximum laser bias tolerance.
HI-LASERTEMP	MN/NSA	The Equipment High Laser Optical Transceiver Temperature alarm applies to the TXP and MXP cards. This alarm occurs when the internally measured transceiver temperature exceeds the card default level.
HI-RXPOWER	MN/NSA	The Equipment High Receive Power alarm is an indicator for TXP card and MXP card received optical signal power. This alarm occurs when the measured optical power of the received signal exceeds the threshold.
HI-TXPOWER	MN/NSA	The Equipment High Transmit Power alarm is an indicator for TXP card and MXP card transmitted optical signal power. This alarm occurs when the measured optical power of the transmitted signal exceeds the threshold.
LOF (OC-N)	CR/SA	The LOF alarm occurs when a port on the reporting OC-N card has an LOF condition. LOF indicates that the receiving ONS 15454 has lost frame delineation in the incoming data.
LO-LASERBIAS	MN/NSA	The Equipment Low Transmit Laser Bias Current alarm is raised against the TXP and MXP card laser performance. The alarm indicates that the card laser has reached the minimum laser bias tolerance.
LO-LASERTEMP	MN/NSA	The Equipment Low Laser Optical Transceiver Temperature alarm applies to the TXP and MXP cards. This alarm occurs when the internally measured transceiver temperature falls under the card default level.
LO-RXPOWER	MN/NSA	The Equipment Low Receive Power alarm is an indicator for TXP card and MXP card received optical signal power. This alarm occurs when the measured optical power of the received signal falls under the threshold.
LOS (OC-N)	CR/SA	An OC-N LOS alarm occurs when a SONET receiver detects an all-zero pattern for 10 microseconds or longer.

Table 7-9 DWDM Client (continued)

DWDM Client Alarm	Severity (Active)	Description
LO-TXPOWER	MN/NSA	The Equipment Low Transmit Power alarm is an indicator for TXP card and MXP card transmitted optical signal power. This alarm occurs when the measured optical power of the transmitted signal falls under the threshold.
PORT-CODE-MISM	MJ/MSA	The Pluggable Port Security Code Mismatch alarm refers to ML-series Ethernet cards, MXP and TXP cards and occurs when the SFP connector that is plugged into the card is not supported by Cisco.
PORT-COMM-FAIL	MJ/SA	The Port Communication Failure alarm applies to TXP and MXP card SFPs and occurs when the card cannot communicate with the SFP.
PORT-MISMATCH	MJ/NSA	The Pluggable Port Mismatch alarm applies to ML-series Ethernet card small form pluggable (SFP) connectors. The alarm indicates that the provisioned payload for the connector does not match the SFP configuration.
PORT-MISSING	MJ/NSA	The Pluggable Port Missing alarm applies to ML-series Ethernet card small form pluggable (SFP) connectors. The alarm indicates that the connector is not plugged into the card port.
SQUELCHED	MJ/SA	The DWDM Client Signal Squelched alarm is raised by an MXP or TXP card when G.709 monitoring is enabled and the card is operating in transparent mode.
SSM-FAIL	MN/NSA	The SSM Failed alarm occurs when the synchronization status messaging received by the ONS 15454 fails.
TIM-P	CR/SA MN/NSA	CR/SA for STSTERM MN/NSA for STSMON The TIM Path alarm occurs when the expected path trace string does not match the received path trace string. Path Trace Mode must be set to manual or auto for the TIM-P alarm to occur.

7.1.10 DWDM Trunk

The main span of the link; from the card point of view, it is the port operating in the 100-GHz spacing frequency grid

Table 7-10 DWDM Trunk

DWDM Trunk Alarm	Severity (Active)	Description
AUTOLSROFF	CR/SA	The Auto Laser Shutdown alarm occurs when the OC-192 card temperature exceeds 194° F (90° C).
CARLOSS (ML-Series)	MJ/SA	The Ethernet port has lost its link and is not receiving a valid signal.

Table 7-10 DWDM Trunk (continued)

DWDM Trunk Alarm	Severity (Active)	Description
DSP-COMM-FAIL	MJ/SA	The DSP Communication Failure alarm indicates that there is a communications failure between an MXP or TXP card microprocessor and the on-board DSP chip that controls the trunk (DWDM) port.
DSP-FAIL	MJ/SA	The DSP Failure alarm indicates that a DSP-COMM-FAIL has persisted for an extended period on an MXP or TXP card and that the card is faulty.
EOC	MJ/NSA	The SONET Data Communications Channel (DCC) Termination Failure alarm occurs when the ONS 15454 loses its data communications channel.
GCC-EOC	MJ/NSA	The GCC Embedded Operation Channel Failure alarm applies to the OTN communication channel for TXP and MXP cards. It is raised when the channel cannot operate.
HI-LASERBIAS	MN/NSA	The Equipment High Transmit Laser Bias Current alarm is raised against the TXP and MXP card laser performance. The alarm indicates that the card laser has reached the maximum laser bias tolerance.
HI-LASERTEMP	MN/NSA	The Equipment High Laser Optical Transceiver Temperature alarm applies to the TXP and MXP cards. This alarm occurs when the internally measured transceiver temperature exceeds the card default level.
HI-RXPOWER	MN/NSA	The Equipment High Receive Power alarm is an indicator for TXP card and MXP card received optical signal power. This alarm occurs when the measured optical power of the received signal exceeds the threshold.
HI-RXTEMP	MN/NSA	The Equipment High Receive temperature alarm refers to the temperature of the receiver port on the TXP and MXP cards.
HI-TXPOWER	MN/NSA	The Equipment High Transmit Power alarm is an indicator for TXP card and MXP card transmitted optical signal power. This alarm occurs when the measured optical power of the transmitted signal exceeds the threshold.
LOF (OC-N)	CR/SA	The receiving ONS 15454/15327 has lost frame delineation in the incoming data.
LO-LASERBIAS	MN/NSA	The Equipment Low Transmit Laser Bias Current alarm is raised against the TXP and MXP card laser performance. The alarm indicates that the card laser has reached the minimum laser bias tolerance.
LO-LASERTEMP	MN/NSA	The Equipment Low Laser Optical Transceiver Temperature alarm applies to the TXP and MXP cards. This alarm occurs when the internally measured transceiver temperature falls under the card default level.
LOM	MN/NSA	The Loss of Multiframe alarm applies to MXP and TXP cards when the MFAS overhead field is errored for more than five frames and persists for more than three milliseconds.

Table 7-10 DWDM Trunk (continued)

DWDM Trunk Alarm	Severity (Active)	Description
LO-RXPOWER	MN/NSA	The Equipment Low Receive Power alarm is an indicator for TXP card and MXP card received optical signal power. This alarm occurs when the measured optical power of the received signal falls under the threshold.
LOS (OC-N)	CR/SA	An OC-N LOS alarm occurs when a SONET receiver detects an all-zero pattern for 10 microseconds or longer.
LO-TXPOWER	MN/NSA	The Equipment Low Transmit Power alarm is an indicator for TXP card and MXP card transmitted optical signal power. This alarm occurs when the measured optical power of the transmitted signal falls under the threshold.
OTUK-IAE	MJ/SA	The OTUK Incoming Alignment Error (IAE) alarm applies to TXP cards and MXP cards when G.709 monitoring is enabled for the cards. OTUK-IAE refers to a single bit that allows the input port to notify the output port that the incoming signal has an alignment error.
OTUK-LOF	CR/SA	The OTUK LOF alarm applies to TXP cards and MXP cards when G.709 monitoring is enabled for the cards. The alarm indicates that the card has lost frame delineation on the input data. Loss of frame occurs when the optical transport unit overhead frame alignment (FAS) area is errored for more than five frames and that the error persists more than three milliseconds.
OTUK-TIM	MN/NSA	The OTUK TIM alarm applies to TXP cards and MXP cards when G.709 monitoring is enabled and section trace mode is set to manual. The alarm indicates that the expected TT1 string does not match the received TTI string in the optical transport unit overhead of the digital wrapper.
PTIM	MN/NSA	The Payload TIM alarm applies to TXP cards and MXP cards when G.709 is enabled for the cards.
SECURITYCODE	MJ/NSA	The Pluggable Port Security Code Mismatch alarm refers to the ML-series Ethernet cards. I means that the SFP connector plugged into the ML-series Ethernet card is not supported by Cisco.
SQUELCHED	MJ/SA	The DWDM Client Signal Squelched alarm is raised by an MXP or TXP card when G.709 monitoring is enabled and the card is operating in transparent mode.
SSM-FAIL	MN/NSA	The SSM Failed alarm occurs when the synchronization status messaging received by the ONS 15454 fails.

Table 7-10 DWDM Trunk (continued)

DWDM Trunk Alarm	Severity (Active)	Description
TIM-P	CR/SA MN/NSA	CR/SA for STSTERM MN/NSA for STSMON The TIM Path alarm occurs when the expected path trace string does not match the received path trace string. Path Trace Mode must be set to manual or auto for the TIM-P alarm to occur.
WVL-MISMATCH	MJ/SA	The Equipment Wavelength Mismatch alarm applies to the TXP and MXP cards. It occurs when you provision the card in CTC with a wavelength that the card does not support.

7.1.11 ECN

An EC1 line on an EC1 card

Table 7-11 ECN

ECN Alarm	Severity (Active)	Description
LOF (EC1-12)	CR/SA	The receiving ONS 15454 has lost frame delineation in the incoming data.
LOS (EC1-12)	CR/SA	A port on the reporting EC-1 card has a loss of signal condition. A SONET receiver detects an all-zero pattern for 10 microseconds or longer.

7.1.12 ENV

An environmental alarm port on an AIC card (ONS 15454) or MIC card (ONS 15327)

Table 7-12 ENV

ENV Alarm	Severity (Active)	Description
EXT	MN/NSA	A Failure Detected External to the NE alarm occurs because an environmental alarm is present, for example, a door is open or flooding has occurred.

7.1.13 EQPT

A card in any of the card slots. This object is used for alarms that refer to the card itself and all other objects on the card including ports, lines, STS and VT.

Table 7-13 EQPT

EQPT Alarm	Severity (Active)	Description
AUTORESET	MN/NSA	The Automatic System Reset alarm occurs when you change an IP address or perform any other operation that causes an automatic card-level reboot.
BKUPMEMP	CR/NSA	A problem with the TCC/XTC card's flash memory.
CARLOSS	MJ/SA	A Carrier Loss on the LAN Equipment alarm occurs when the ONS 15454 and the workstation hosting CTC do not have a TCP/IP connection.
COMIOXC	CR/SA	The I/O Slot To Cross-Connect (XCON) Communication Failure alarm is caused by the cross-connect card. It occurs when there is a communication failure for a particular I/O slot.
CONTBUS-A	MJ/NSA	The TCC/XTC card in Slot 7/Slot 5 has lost communication with a traffic card.
CONTBUS-A-18	MJ/NSA	The main processor on the TCC/XTC card in Slot 7/Slot 5 has lost communication with the coprocessor on the second TCC/XTC card in Slot 11/Slot 6.
CONTBUS-B	MJ/NSA	The TCC/XTC card in Slot 11/Slot 6 has lost communication with a traffic card.
CONTBUS-B-18	MJ/NSA	The main processor on the TCC/XTC card in Slot 11/Slot 6 has lost communication with the coprocessor on the TCC/XTC card in Slot 7/Slot 5.
CTNEQPT-PBPROT	CR/SA	A failure of the main payload between the protect cross-connect (XC/XCVT/XC10G) card in Slot 10, or the protect XTC card, and the reporting traffic card.
CTNEQPT-PBWORK	CR/SA	A failure of the main payload bus between the active cross-connect (XC/XCVT/XC10G) card in Slot 8, or the active XTC card, and the reporting traffic card.
ERROR-CONFIG	MN/NSA	The Error in Startup Configuration alarm applies to the ML-series Ethernet cards. These cards process startup configuration files line by line. If one or more lines cannot be executed, the error causes the ERROR-CONFIG alarm.
EQPT	CR/SA	A hardware failure occurred on the reporting card.
EXCCOL	MN/NSA	There are too many collisions occurring between data packets on the network management LAN, and communications between the ONS 15454/15327 and CTC may be affected.
HITEMP	CR/SA MN/NSA	CR/SA for NE. MN/NSA for EQPT. The High Temperature alarm occurs when the temperature of the ONS 15454 is above 122° F (50° C).

Table 7-13 EQPT (continued)

EQPT Alarm	Severity (Active)	Description
IMPROPRMVL	CR/SA	A card was physically removed from its slot before the card was deleted from CTC.
MEA	CR/SA	The MEA alarm for equipment is reported against a card slot when the physical card inserted into a slot does not match the card type that is provisioned for that slot in CTC.
MEM-GONE	MJ/NSA	Data generated by software operations exceeds the memory capacity of the TCC/XTC card.
MEM-LOW	MN/NSA	Data generated by software operations is close to exceeding the memory capacity of the TCC/XTC card.
NO-CONFIG	MN/NSA	The No Startup Configuration alarm applies to ML-series Ethernet cards and occurs when you pre-provision a high-speed slot for the card without inserting the card first, or when you insert a card without pre-provisioning.
PEER- NORESPONSE	MJ/NSA	The switch agent raises a Peer Card Not Responding alarm if either traffic card in a protection group does not receive a response to the peer status request message
PROTNA	MN/NSA	The Protection Unit Not Available is raised by an out-of-service protection when a TCC/XTC or cross-connect card or port that is provisioned as part of a protection group is not available.
PWR-REDUN	MN/NSA	The Redundant Power Capability Lost alarm applies to cards (such as the TCC2 and newer optical cards) that have two built-in fuses. The alarm indicates that one of the fuses has blown, and must be serviced.
SFTWDOWN	MN/NSA	A Software Download in progress alarm occurs when the TCC/XTC is downloading or transferring software.
SWMTXMOD	CR/SA	The Switching Matrix Module Failure alarm occurs on the cross-connect card or a traffic card. If the alarm reports against a traffic card, it means that the logic component on the cross-connect card is out of frame (OOF) with the logic component on the reporting traffic card.

7.1.14 ETHER

Ethernet, such as for straight-through (CAT 5) LAN cables.

Table 7-14 ETHER

ETHER Alarm	Severity (Active)	Description
CARLOSS (E-Series)	MJ/SA	A Carrier Loss on the LAN E-Series Ethernet Card alarm is the data equivalent of an LOS (OC-N). The Ethernet card has lost its link and is not receiving a valid signal.
CARLOSS (G-Series)	MJ/SA	A Carrier Loss on the LAN G-Series Ethernet Card alarm is the data equivalent of an LOS (OC-N). The Ethernet card has lost its link and is not receiving a valid signal.

7.1.15 EXTSYNCH

BITS outgoing references (SYNC-BITS1, SYNC-BITS2)

Table 7-15 EXTSYNCH

EXTSYNCH Alarm	Severity (Active)	Description
SYNCPRI	MN/NSA	A loss of the primary timing source (reference 1).
SYNCSEC	MN/NSA	A loss of the secondary timing source (reference 2).
SYNCTHIRD	MN/NSA	A loss of the third timing source (reference 3).

7.1.16 FAN

Fan-tray assembly

Table 7-16 FAN

FAN Alarm	Severity (Active)	Description
EQPT-MISS	CR/SA	Indicates the replaceable fan-tray assembly unit is missing or not fully inserted.
FAN	CR/SA	A problem with the fan-tray assembly.
FANDEGRADE	MJ/NSA	The Partial Fan Failure alarm is raised if fan speed for one of the fans in the fan-tray assembly falls below 500 RPM when read by a tachometry counter.

Table 7-16 FAN (continued)

FAN Alarm	Severity (Active)	Description
MEA	CR/SA	The MEA alarm is reported against the fan tray when a newer fan-tray assembly (15454-FTA3) with a 5 Amp fuse is used with an older shelf assembly or when an older fan tray with a 2 Amp fuse is used with a newer 10 Gbps compatible or ANSI shelf assembly (15454-SA-ANSI) that contains cards introduced in Release 3.1 or later.
MFGMEM	CR/SA	The manufacturing data memory failure alarm occurs if the ONS 15454 cannot access the data in the erasable programmable read-only memory (EEPROM).

7.1.17 FUDC

SONET F1 byte user data channel

Table 7-17 FUDC

FUDC Alarm	Severity (Active)	Description
LOS	CR/SA	An OC-N LOS alarm occurs when a SONET receiver detects an all-zero pattern for 10 microseconds or longer. An LOS means the upstream transmitter has failed.

7.1.18 HDGE (G1000)

High Density Gigabit Ethernet. Applies to G1000-4 cards.

Table 7-18 HDGE (G1000)

NE Alarm	Severity (Active)	Description
CARLOSS	MJ/SA	A carrier loss on the LAN G-series card is the data equivalent of an LOS (OC-N) alarm. The Ethernet card has lost its link and is not receiving a valid signal.
TPTFAIL	MJ/SA	Indicates a break in the end-to-end Ethernet link integrity feature of the G1000-4 cards. This alarm indicates a far-end condition and not a problem with the port reporting TPTFAIL.

7.1.19 ML1000

ML-series Ethernet cards

Table 7-19 ML1000

ML1000 Alarm	Severity (Active)	Description
CARLOSS	MJ/SA	The Ethernet port has lost its link and is not receiving a valid signal.
TPTFAIL	MJ/SA	The TPT Layer Failure alarm for the ML-series Ethernet cards indicates a break in the end-to-end POS link integrity feature of the ML-series POS cards.

7.1.20 MSUDC

SONET multiplex section user data channel

Table 7-20 MSUDC

MSUDC Alarm	Severity (Active)	Description
LOS	CR/SA	An OC-N LOS alarm occurs when a SONET receiver detects an all-zero pattern for 10 microseconds or longer. An LOS means the upstream transmitter has failed.

7.1.21 NBR

UCP neighbor

Table 7-21 NBR

NBR Alarm	Severity (Active)	Description
RSVP-HELLODOWN	MN/NSA	The Resource Reservation Protocol (RSVP) Hello Down alarm means that Hello protocol, which monitors UCP control channel status, is not available for reserving resources.

7.1.22 NE

The entire network element

Table 7-22 NE

NE Alarm	Severity (Active)	Description
DATAFLT	MN/NSA	The TCC/XTC exceeds its flash memory.
DBOSYNC	MJ/NSA	The standby TCC/XTC “To be Active” database does not synchronize with the “Active” database on the active TCC/XTC.
EHIBATVG-A	MN/NSA	The voltage level on battery lead A exceeds -56.7 Vdc. (ONS 15454)
EHIBATVG-B	MN/NSA	The voltage level on battery lead B exceeds -56.7 Vdc. (ONS 15454)
ELWBATVG-A	MN/NSA	The voltage on battery feed A is extremely low or has been lost, and power redundancy is no longer guaranteed. (ONS 15454)
ELWBATVG-B	MN/NSA	The voltage on battery feed B is extremely low or has been lost, and power redundancy is no longer guaranteed. (ONS 15454)
HITEMP	CR/SA MN/NSA	CR/SA for NE MN/NSA for EQPT The temperature of the ONS 15454/ONS 15327 is above 122° F (50° C).
PRC-DUPID	MJ/SA	Two identical node IDs exist in the same ring.
PWR-A	MJ/SA	This alarm applies to the NE shelf. It occurs when there is no power supplied to the main power connector. (ONS 15454)
PWR-B	MJ/SA	This alarm applies to the NE rack. It occurs when there is no power supplied to the backup power connector. (ONS 15454)
SNTP-HOST	MN/NSA	The SNTP (Simple Network Timing Protocol) Host Failure alarm indicates that an ONS node serving as an IP proxy for the other ONS nodes in the ring is not forwarding SNTP information to the other ONS nodes in the network.
SYSBOOT	MJ/SA	New software is booting on the TCC/XTC card.

7.1.23 NERING

Represents the ring status of the NE

Table 7-23 NERING

NERING Alarm	Severity (Active)	Description
BLSROSYNC	MJ/SA	The BLSR Out Of Sync alarm occurs when a node on a working ring loses its DCC connection because all transmit and receive fiber is removed, and you attempt to add or delete a circuit.
PRC-DUPID	MJ/SA	The Procedural Error Duplicate Node ID alarm indicates that two identical node IDs exist in the same ring.
RING-MISMATCH	MJ/SA	A Procedural Error Mismatch Ring alarm occurs when the ring ID of the ONS node that is reporting the alarm does not match the ring ID of another ONS node in the BLSR.

7.1.24 NESYNCH

Represents the timing status of the NE

Table 7-24 NESYNCH

NESYNCH Alarm	Severity (Active)	Description
FRNGSYNC	MJ/SA	The reporting ONS node is in free run synchronization mode.
FSTSYNC	MN/NSA	A Fast Start Synchronization alarm occurs when the ONS node is choosing a new timing reference.
HLDOVRSYNC	MJ/SA	A loss of primary/secondary timing reference.
SYNCPRI	MN/NSA	A loss of the primary timing source (reference 1).
SYNCSEC	MN/NSA	A loss of the secondary timing source (reference 2).
SYNCTHIRD	MN/NSA	A loss of the third timing source (reference 3).

7.1.25 OCN

An OCN line on an OCN card

Table 7-25 OCN

OCN Alarm	Severity (Active)	Description
APSB	MN/NSA	The line terminating equipment detects protection switching byte failure in the incoming automatic protection switching (APS) signal.
APSCDFLTK	MN/NSA	A BLSR is not properly configured.

Table 7-25 OCN (continued)

OCN Alarm	Severity (Active)	Description
APSC-IMP	MN/NSA	Invalid K bytes.
APSCINCON	MN/SA	The SONET overhead contains K1/K2 APS bytes that notify receiving equipment, such as the ONS 15454/ONS 15327, to switch the SONET signal from a working to a protect path.
APSCM	MJ/SA	The ONS 15454/ONS 15327 expects a working channel but receives a protection channel.
APSCNMIS	MJ/SA	The source node ID contained in the K2 byte of the APS channel being received is not present in the ring map.
APSM	MN/NSA	There is a mismatch of the protection switching schemes at the two ends of the span.
AUTOLSROFF	CR/SA	The OC-192 card temperature exceeds 194° F (90 ° C). (ONS 15454)
EOC	MJ/NSA	The ONS 15454/ONS 15327 has lost its data communications channel (DCC).
E-W-MISMATCH	MJ/SA	Nodes in a ring have an east slot/port misconnected to another east slot/port or a west slot/port misconnected to another west slot/port.
EXTRA-TRAF-PREEMPT	MN/NSA	An Extra Traffic Preempted alarm occurs on OC-N cards in two-fiber and four-fiber BLSRs because low-priority traffic directed to the protect system has been preempted by a working system protection switch.
FEPRLF	MN/NSA	an APS switching channel SF occurs on the protect card coming into the node.
LASEREOL	MN/NSA	The Laser Approaching End of Life alarm applies to TXP and MXP cards and occurs when the laser in the card will need to be replaced.
LOF	CR/SA	A port on the reporting OC-N card has an LOF condition.
LOS	CR/SA	A SONET receiver detects an all-zero pattern for 10 microseconds or longer.
SSM-FAIL	MN/NSA	Synchronization status messaging received by the ONS 15454/ONS 15327 fails.

7.1.26 STSMON

STS alarm detection at the monitor point (upstream from the cross-connect)

Table 7-26 STSMON

STSMON Alarm	Severity (Active)	Description
LOP-P	CR/SA	A loss of pointer (LOP) condition at the path level.
PLM-P	CR/SA	A signal label mismatch failure (SLMF).
TIM-P	MN/SA	The expected path trace string does not match the received path trace string.
UNEQ-P	CR/SA	The path does not have a valid sender.

7.1.27 STSTERM

STS alarm detection at termination (downstream from the cross-connect)

Table 7-27 STSTERM

STSTERM Alarm	Severity (Active)	Description
LOP-P	CR/SA	A loss of pointer (LOP) condition at the path level.
PLM-P	CR/SA	A signal label mismatch failure (SLMF).
TIM-P	MN/SA	The expected path trace string does not match the received path trace string. Path trace mode can be set to auto or manual for this alarm to occur.
UNEQ-P	CR/SA	The path does not have a valid sender.

7.1.28 VT-MON

VT1 alarm detection at the monitor point (upstream from the cross-connect)

Table 7-28 VT-MON

VT-MON Alarm	Severity (Active)	Description
AUTOSW-LOP	MN/SA	Automatic path protection configuration protection switching occurred because of an LOP alarm.
AUTOSW-UNEQ	MN/SA	Automatic path protection configuration protection switching occurred because of an UNEQ alarm.
LOP-V	MJ/SA	A loss of pointer at the VT level.
UNEQ-V	MJ/SA	The node is receiving SONET path overhead with bits 5, 6 and 7 of the V5 overhead byte all set to zeroes.

7.1.29 VT-TERM

VT1 alarm detection at termination (downstream from cross-connect)

Table 7-29 VT-TERM

VT-TERM Alarm	Severity (Active)	Description
LOP-V	MJ/SA	A loss of pointer at the VT level.
PLM-V	MN/SA	The content of the V5 byte in the SONET overhead is inconsistent or invalid.
UNEQ-V	MJ/SA	The node is receiving SONET path overhead with bits 5, 6 and 7 of the V5 overhead byte all set to zeroes.

7.2 Errors

Errors may be generated by any command or command response message. You can find errors listed by error code in [Table 7-30 on page 7-20](#). The format of an error message is as follows:

```
SID DATE TIME
M CTAG DENY
<ERRCDE>
/* <ERRMSG> */
;
```

7.2.1 Errors Listed by Error Code

Table 7-30 *Errors listed by Error Code*

Error Code	Error Message
ENEQ	Control Not Provisioned
	Environmental Control Interface Not Found
	Equipment Not Found
	Equipment Not Present
	Equipment Not Provisioned
	Internal Communication Error
	Sensor Interface Not Found
IBEX	Invalid AID Block. Extra Datablock
	Invalid Payload Block. Extra Datablock
ICNV	Cannot Set DCC When G709 Is Enabled
	Equipment Does Not Match Request
	Equipment In Use
	Invalid Command
	Operation Not Supported By This Card
	Performance Monitoring Type Not Supported
IDMS	Loopback Type Missing
	Missing Internal Data
IDNC	Invalid Data
	Invalid PST Value
	Invalid SST Value

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
IDNC (continued)	Primary Source Cannot Be INTERNAL When Secondary Source Is Not INTERNAL Primary Source Cannot Be INTERNAL When Third Source Is Not INTERNAL Secondary Source Cannot Be INTERNAL When Third Source Is Not INTERNAL
IDNV	2F-BLSR Architecture Does Not Permit Manual/Forced Span Switching AUTO Trace Mode Not Allowed At least an XC10G XC card is needed for this equipment type Cannot Change Protection Type Command Not Valid On Protect Card DCC Not Supported In Transparent Term Mode Equipment Does Not Support Payload Type Equipment Does Not Support Regeneration Group Facility Loopback Not Supported Frame Format Contains Invalid Data Frame Format Not Supported On Equipment GCC Not Supported On CLNT Port Incompatible Equipment Type Incompatible Equipment Type For Protection Incompatible Protect Slot For Protection Interval Out Of Range Invalid AID For PCA Cross-Connection Invalid Data For 2F-BLSR Invalid Drop Path Invalid Equipment Type Invalid Ethernet Frame Size Invalid Holdoff Timer Value Invalid Log Name Invalid MONLEV Value Invalid MONTYPE Value Invalid Mac Address Invalid PM Interval Invalid Peer Id Invalid Protid Invalid Reference Invalid Report Interval

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
IDNV (continued)	Invalid Start Time Invalid Switch Type For BLSR Invalid TAP Number Invalid Time Offset Invalid Trace Level J0 Section Trace Not Supported In Transparent Term Mode Keyword All Not Allowed Line Code Not Supported Multiple AIDs Not Allowed Multiple Protection Group Card Slot Identifiers Not Allowed Multiple References Not Allowed Null Userid Or Range In Userid List Not Allowed Number Of Reports Is Negative Parameter Not Supported By Payload Type Parameter Not Supported On Client DWDM Port Payload Type Does Not Support DCC Protect Card Does Not Support Protection Type Protect Slot Not Provisioned Protection Group Card Slot Identifier Field Required Protection Group Does Not Exist Protection Group Name Exceeds Maximum Length Ring Lockout BLSR Switching Is Not Supported Switch Type Is Not Allowed On 1+1 Term Mode Does Not Support Synchronization/Timing Parameters Threshold Value Out Of Range Trace Level Not Supported By Client Port Trace Level Required Trace Not Supported In Transparent Term Mode Transponder Does Not Support Synchronization/Timing Parameters VOA Out Of Range
IDRG	Difference Value Range Error Invalid PJMON Value Invalid Threshold Value

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
IIAC	AID Does Not Match with Requested BLSR Path Type ALL, Ranging and Grouping Are Not Supported CCT=1WAY Not Allowed When G1000 Or ML Series Ports Are Used Cannot Make Changes To Protect Card Cross-Connection Cannot Overlap PCA Boundary Equipment Can Not Be Provisioned On Low Speed Slot Equipment Does Not Match Request Expected Trace Not Supported On This Card Type Expected Trace String Exceeds Maximum Length (62) Incoming Trace Not Supported On This Card Type Incorrect Card Type Input, Invalid Access Invalid AID Invalid DS1 AID Invalid G1000 Facility Port Invalid Month Or Day Invalid NodeId Invalid Operation On Drop AID Invalid PJMON Value Invalid Protect AID Invalid Protect AID Or Working AID Invalid Reference Invalid RingId Invalid Source/Destination AID Count For Cross-Connection Type Invalid TAP Invalid Time Invalid Year J1 Trace Not Supported On This Card List AID Not Allowed For ALL AID List Or All AID Not Supported Multiple AIDs Not Supported Multiple Destination AID Exceeds Limit Multiple Destinations Not Supported By Cross-Connection Multiple Source AID Exceeds Limit Multiple TAP AIDs Not Supported Not Allowed On 1+1 Protect Line

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
IIAC (continued)	Not Allowed On BLSR Protect Line
	Optional AIDs Are Not Supported
	RingId Does Not Match with AID Number
	Trace Mode Not Supported On This Card Type
	Trace Not Supported On This Card Type
	Trace String Exceeds Maximum Length (62)
	UPSR Cross-Connections Not Allowed When G1000 Or ML-Series Ports Are Used
IICM	Input, Invalid MOD1
	Input, Invalid VERB
IICT	Invalid Correlation Tag
IIDT	2F-BLSR Does Not Support SRVRTV/SRVTM/EASTPROT/WESTPROT Parameters
	Cannot Activate To Older Software
	Cannot Add And Remove Drops Together
	Cannot Revert From R2 To R1
	Cannot Revert To Newer Software
	Command Already In Progress
	DEST Incompatible With RFR Type
	DEST Incompatible With SWDL Type
	DEST Required For RFBU Type
	Duplicate BLSR Working/Protect Facilities
	Duplicate Performance Monitoring Schedule
	File Name Missing in FTP URL
	Flash Manager Not Active
	Hostname Missing In FTP URL
	IOS Config File Too Big
	Invalid BLSR Mode
	Invalid BLSR Protect Facility
	Invalid BLSR Working Facility
	Invalid Data Parameter
	Invalid Port In FTP URL
	Invalid Revertive Time
	Invalid Software Switch Type
	Invalid State Value
	Mandatory FTP URL Not Provided
	Maximum Performance Monitoring Schedule Limit Reached

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
IIDT (continued)	Memory Out Of Range Missing/Invalid Destination Missing/Invalid Source Non-IP Hostname In FTP URL Null Outputs In FTP URL Parsing Only NORM CMD_MODE Is Supported Only OOS PST Is Supported Only Port 21 Is Supported Only SWDL Is Supported For The xfertype Argument Password Missing In FTP URL Performance Monitoring Schedule Does Not Exist Port Missing In FTP URL SRC Incompatible With RFB� Type SRC Required For RFR Type SRC Required For SWDL Type SWDL Incompatible With RFILE-PKG Aid Software Activate/Revert Failed Software Not Available For Switch Unknown Error Processing FTP URL. Username Missing In FTP URL ftp:// Missing In FTP URL
IIFM	Invalid AID Block. Invalid Data Format. Invalid Payload Block. Invalid Data Format.
IISP	Input, Garbage
IITA	Input, Invalid Target Identifier
INUP	General Block Unsupported
IPEX	Invalid Payload Block. Extra Parameters.
	Invalid Payload Block. Extra Parameters.
IPMS	Invalid AID Block. Missing Mandatory Field. Invalid Payload Block. Missing Mandatory Field.
IPNC	Cannot Change Existing Protection Type Description Cannot Have More Than 64 Characters Invalid Flow Control Value Invalid Maximum Frame Size Invalid Parameter Parameters Are Not Consistent

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
IPNC (continued)	Parameters Not Compatible
IPNV	Cannot Set Expected Path Trace For Source Path
	Cannot Set Expected Path Trace In Auto Mode
	Cannot Set Outgoing Path Trace For Drop Path
	Cross-Connection Does Not Have UPSR Path Selector
	Exercise Is Not Allowed On Protected Facility
	Far End Performance Monitoring Values Not Supported
	Holdoff Timer Not Supported For Non-DRI Cross-Connections
	INT Not Valid For BITS-OUT
	Internal-Ip Lookup Failed
	Internal-Network Nodes Lookup Failed
	Invalid Clock Source
	Invalid Default Router Address
	Invalid IIOP Port number
	Invalid IP Address
	Invalid IP Configuration Parameter
	Invalid IP Mask
	Invalid Parameter
	Invalid Payload Block. Empty Parameter.
	Invalid Sntp Host Address
	Invalid Switch Command For Synchronization
	Invalid Switch Type
	New Source Must Be Specified
	Node Name Exceeds Maximum Length (62)
	PM Not Supported
	Primary Reference Incompatible With Timing Mode
	Protection Type Does Not Support Reversion Mode
	Reference Type Not Supported
	SPNWTR Parameter Not Supported
	Secondary Reference Incompatible With Timing Mode
	Synchronization Source Already Defined For The Slot
	TMGREF Parameter Not Supported
	Third Reference Incompatible With Timing Mode
	Time Period Not Applicable
	Timing Mode Not Compatible

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
PICC	AID Required Invalid User Access Privilege Value Invalid User Identifier - Must Conform To TL1 Rules Invalid User Password - Must Conform To TL1 Rules New Password Same As Old Password Unknown CORBA Exception (Internal Error) Unknown User User Access Privilege Required User Already Exists User Identifier Exceeds Maximum Length Allowed User Not Authorized User Password Required
PIMA	Memory Out Of Range
PIUC	Cannot Delete The Logged In User User Currently Logged Into Another Session User Is Not Superuser User Not Allowed To Change User Access Privilege User Not Allowed To Change User Password User Not Allowed To Lock/Unlock Self
RALB	Requested DCC In Use
RRNG	Invalid Slot Number Invalid Slot Number For Sdh Electrical Cards
RTBY	Connection In Service TAP Already In Use TAP Number In Use
RTEN	Cannot Access VT Cannot Change Access Mode Cannot Set Access Mode Invalid Access Mode Invalid STS TAP Number Invalid TAP AID Invalid TAP Mode Invalid TAP Number Invalid VT TAP Number Requested TAP Does Not Exist TAP Not Found

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
SAAL	Already Allowed
SAAS	Equipment Already Provisioned
SADC	TAP Not Connected
SADS	Loopback Applied On Cross-connection
SAIN	Already Inhibited
SAIS	Port Already In Service
SAMS	Already In Clear Maintenance State Already In Force Maintenance State Already In Lockout Maintenance State Already In Manual Maintenance State
SAOP	Control Already Operated Control Already Released Control Operated In Mntry
SAOS	Port Already In OOS-AINS Port Already In OOS-MT Port Already Out Of Service
SCAT	STS Is Already Connected Test Access Busy VT Is Already Connected
SDBE	AID Parser Failed Cannot Access Conditions Cannot Access Controls Cannot Access Date/Time Cannot Access Defaults Description Cannot Access Environmental Settings Cannot Access Equipment Cannot Access Facility Cannot Access IP Configuration Cannot Access Interface Cannot Access Node ID Cannot Access Object Cannot Access Orderwire Cannot Access Protection Group Cannot Access Protection State Cannot Access SNTP Host Cannot Access STS

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
SDBE (continued)	Cannot Access Software Version
	Cannot Access Synchronization Configuration
	Cannot Access Timezone
	Cannot Access Trace Information
	Cannot Access VT
	Cannot Access VT Performance Monitoring Parameters
	Cannot Create 1+1 Protection Group
	Cannot Edit STS
	Cannot Get Line Information
	Cannot Get Synchronization Configuration
	Cannot Set Date
	Cannot Set Date When Using SNTP
	Cannot Set IP Configuration
	Cannot Set Node Name
	Cannot Set Pointer Justification Monitoring Parameter (PJMON)
	Cannot Set SNTP Host Configuration
	Cannot Set Timezone
	Cannot Switch To E2 Byte With Express Orderwire IS
	Card Type Not Supported
	Delete Protection Group Failed
	Equipment Not Found
	Facility Does Not Exist
	Facility Does Not Match Request
	Facility Does Not Support Mac Address
	Facility Is Not Provisioned
	File Transfer In Progress
	IOS Config Update In Progress
	Incompatible Parameter Values
	Incorrect Facility Type
	Interface Does Not Support Loopback Type
	Internal Access Failed
	Internal Database Error
	Invalid DCC
	Invalid Performance Monitoring Mode
	Invalid Protection Group
	Invalid Time Period

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
SDBE (continued)	Location Value Invalid
	Loopback Is Invalid
	Loopback Port In Service
	Mac Address Not Supported By Payload
	Object Not Provisioned
	Operation Not Supported On EC1 Interface
	STS Not Provisioned
	Synchronization Configuration Not Available
	Synchronization Status Messaging(SSM) Not Supported On EC1 Interface
	Synchronization Status Messaging(SSM) Not Supported On SDH
	Used Frame Format Does Not Support Synchronization Status Messaging(SSM)
	VT Not Provisioned
SDLD	Duplex Unit Locked
SDNA	Active TCC Not Ready
	Standby TCC Not Ready
SNCC	Replace This Message When A SNCC message is needed
SNCN	Cannot Switch To Inferior Reference Source
	Clock Source Failed
	Command Not Implemented
	Cross-Connection Type Not Supported In TL1
	Invalid Clock Source
	Requested Direction Not Supported
	STS Rate Changing Not Supported
SNNS	Reference Not From Optical Card
SNPR	Cannot Get Role Of Port
SNVS	Already Switched To Internal Reference Source
	BLSR East Operation Already Set
	BLSR West Operation Already Set
	Cannot Operate Loopback In Current Cross-connection State
	Cannot Operate Loopback In Current State
	Facility Not Part Of BLSR
	Invalid AINS Soak Time
	Invalid Admin State
	Invalid BLSR Element
	Invalid Clock Source

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
SNVS (continued)	Invalid Equipment State Loopback Already In Progress Loopback Not In Progress No Switch In Progress Protection Group Does Not Exist Protection Unit Active Working Unit Already Active Working Unit Already Standby
SOSE	Unrecognized Message Type
SPFA	Cannot Get Current Card Status Protection Unit Failed Or Missing
SPLD	Cannot Create 1+1 Protection Group Cannot Delete Equipment Equipment In Use FTP Task Is Busy Facility Is Busy Protection Unit Locked
SRAC	Invalid Connection Type
SRCN	Already In Requested Mode Requested Condition Already Exists
SROF	1+1 Protection Group Not Found ALS Mode Does Not Allow Laser Restart Active Flash Not Ready All DCCs In Use BLSR In Use BLSR Protect STS Path List Is Empty Can Not Get IOS Config Source Origin Cannot Access 1+1 Line Cannot Access 1+1 Protected Line Cannot Access 2 Fiber BLSR Cannot Access 4 Fiber BLSR East Protection Cannot Access 4 Fiber BLSR West Protection Cannot Access 4F BLSR Cannot Access Alarm Log Cannot Access BLSR Cannot Access BLSR 2 Wire Line

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
SROF (continued)	Cannot Access Cross-Connection
	Cannot Access DCC
	Cannot Access Facility
	Cannot Access Performance Monitoring Statistics
	Cannot Access Protected Equipment
	Cannot Access Protection Group Information
	Cannot Access Protection Group Name
	Cannot Access Protection Group Reversion Information
	Cannot Access STS
	Cannot Access TAP
	Cannot Access Unprotected Line
	Cannot Access Unprotected Line
	Cannot Access VT
	Cannot Change Ethernet IP With DHCP Provisioned
	Cannot Change Ethernet IP With OSPF Provisioned
	Cannot Change XTC Protection Group
	Cannot Create Cross-Connection Between Incompatible Interfaces
	Cannot Create Protection Group
	Cannot Create TAP
	Cannot Create TAP On Last VT
	Cannot Create Ycable Protection
	Cannot Delete Cross-Connection
	Cannot Delete Last Drop
	Cannot Delete Protection Group
	Cannot Disable DWRAP With FEC Enabled
	Cannot Disable DWRAP With GCC Enabled
	Cannot Edit Ethernet IP
	Cannot Edit STS
	Cannot Enable FEC When G.709 Is Disabled
	Cannot Enable FEC With DWRAP Disabled
	Cannot Perform ACO
	Cannot Provision Equipment
	Cannot Provision Protection Equipment
	Cannot Set Bidirectional Protection Group
	Cannot Set DCC When Digital Wrapper Is Enabled
	Cannot Set GCC When DWRAP Is Disabled

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
SROF (continued)	Cannot Set NodeId
	Cannot Set Payload Type
	Cannot Set Protection Group Name
	Cannot Set Protection Group Revertive Behavior
	Cannot Set RingId
	Cannot Set Span Revertive Mode Unless 4-Fiber Ring
	Cannot Set Span Revertive Time In Non-revertive Mode
	Cannot Set Span Revertive Time Unless 4-Fiber Ring
	Cannot Set Termination Mode
	Cannot Set Wave Length
	Cannot Switch For Specified Connection Type
	Cannot Switch For Specified Path
	Cannot Update Synchronization Reference List
	Command Not Supported
	Cross-Connection Creation Failed
	Cross-Connection Does Not Exist
	DCC Does Not Exist
	DCC Not In Use
	DWRAP Not Enabled
	Database Is Busy
	Element Not Found
	Equipment Does Not Match Request
	Equipment Does Not Support Cross-connection Loopback
	Ethernet IP And Default Router IP Subnets Are Different
	Expected Trace Size Exceeds Trace Format Limit
	Facility Does Not Support Laser Restart
	Facility Not Protected
	Facility Not Provisioned
	Flash Is Busy
	Generation1 Does Not Support Given Quality Of RES
	Get IOR Failed
	Host Not In IP Address Format
	Insufficient Path Width For Cross-Connection
	Insufficient Path Width For Test Access
	Internal Exercise Failure
	Internal Facility Type Failure

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
SROF (continued)	Invalid ALS Recovery Interval
	Invalid ALS Recovery Pulse Width
	Invalid Control Type (CONTTYPE) For AID
	Invalid Cross-Connection Path
	Invalid Cross-Connection Type For Drops
	Invalid Drop Path
	Invalid FTP Username/Password
	Invalid Loopback Provision
	Invalid Operation For Connection Type
	Invalid Operation For Specified Path
	Invalid Path
	Invalid Protection Group
	Invalid Protection Switch Operation
	Invalid State When Loopback Present
	Invalid Subnet Mask
	Invalid Synchronization Source
	Invalid UPSR Path
	J0 Section Trace Level Not Supported By 10GE Payload Type
	Laser Was Not Shutdown.Cannot Restart Laser
	Loopback Not Allowed On Drop Path
	Loopback Type Does Not Match
	MIC Cards Cannot Be Reset
	Maximum User Limit Reached
	No Start-Up IOS Config
	Operate Alarm Cutoff Failed
	Operation Not Supported
	Parameter Not Supported When DWRAP Is Enabled
	Path Already In Use
	Path Specified Is Not Valid
	Path Used For Test Access
	Peer Equipment Attributes Do Not Match
	Peer Equipment Type Does Not Match
	Peer Payload Type Does Not Match
	Peer Termination Mode Does Not Match
	Pool Does Not Exist
	Protect Port Active

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
SROF (continued)	Protection Switching Failed
	Protection Type Mismatch
	Provisioning Rules Failed
	Regeneration Group Already Exist
	Regeneration Group Does Not Exist
	Requested Operation Failed
	Ring Reversion Failed
	SDBER Out Of Range
	SFBER Out Of Range
	STS Does Not Exist
	STS Does Not Have TAP
	STS Path Width Does Not Match
	STS Path Width Does Not Match
	Section Termination Mode Not Supported
	Software Activation Failed
	Software Download Failed
	Software Error
	Software Error
	Software Reversion Failed
	Span Reversion Failed
	Specified Operation Is Not Valid
	Standby Flash Not Ready
	Synchronization/Timing Parameters Not Supported With DWRAP Enabled
	TTI Trace Not Allowed With G709 Disabled
	Test Access Active
	Trace Format Not Supported By J0 Section Trace
	Trace Format Not Supported By TTI Section Trace
	Trace Message Size Exceeds Trace Format Limit
	Trace Mode Incompatible With Termination Mode
	Trace Mode Not Supported
	Trace Not Supported By 10GE Payload Type
	Unprovisioning Rules Failed
	Unsupported BLSR STS Path Operation
	Unsupported Command Type
	Unsupported Element Type
	VT Does Not Exist

Table 7-30 Errors listed by Error Code (continued)

Error Code	Error Message
SROF (continued)	VT Does Not Have TAP
	Wavelength Value Not Supported
	Working/Peer Card In Use
	XC Card Does Not Support VT Cross-Connection
	XC Card Not Present
	Y-Cable Protection Does Not Exist
SRQN	BLSR Creation Failed
	BLSR Deletion Failed
	BLSR Does Not Exist
	BLSR Editing Failed
	Cannot Edit SENDDUS On Protect Port
	Cannot Edit SYNCMSG On Protect Port
	DCC Not Allowed In SDH Mode
	DCC Not Allowed On Protect Port
	Data Access Request Failed
	Invalid Mode For Current Configuration
	Invalid Request
	Protect Card Does Not Support Electrical Protection
	Protect Card Does Not Support Protection Type
	SDH Not Allowed
	SDH Not Allowed On Protect Port
	SDH Not Allowed With DCC
	SDH Not Allowed With SENDDUS
	SDH Not Allowed With SYNCMSG
	SENDDUS Not Allowed With SDH Mode
	SYNCMSG Not Allowed With SDH Mode
	Sync Status Messaging(SSM) Not Allowed With SDH Mode
SSRD	Manual Switch Cannot Override Forced Switch
	Switch Request Denied
SSRE	Memory Resources Exceeded
SWFA	Working Unit Failed Or Missing
SWLD	Working Unit Locked

7.3 Echo

In order to improve telnet functionality for automated systems, the echo function has been turned off since ONS 15454 Release 3.0. This change is transparent to users running standard UNIX-compliant telnet clients; however, PC users may need to change their client setup to enable “local echo.” This is normally accomplished by a pull-down menu or a preference attribute.

To test the local echo on your PC client, use the RTRV-HDR command. If you receive a response but no data, set local echo ON. Cisco recommends that you close any windows containing sensitive information after exiting a TL1 session.

