APPENDIX A

Notifications, Fault Management, and Probable Cause Mapping

This appendix includes information on CTM GateWay/CORBA's notifications, fault management, and probable cause mapping. This appendix includes the following sections:

- A.1 Overview of Notifications, page A-1
- A.2 Resolving the Notification Service, page A-2
- A.3 Tips to Improve Notification Throughput, page A-2
- A.4 Supported Events, page A-3
- A.5 Probable Cause Mapping, page A-12

A.1 Overview of Notifications

The notification service forwards all fault notifications received from managed NEs to the network management system (NMS). The notification service also forwards object creation, object deletion, attribute change, protection switch, and threshold crossing alert (TCA) events. TMF 814 defines the structure and format of attributes for all events and alarms.

The CTM server and the Operations Support System (OSS) host must have Domain Name System (DNS) enabled in order to receive notifications. OSS clients running behind a firewall must configure an IIOP listening port to enable the TCP connection with the notification server. CTM must configure the notification service listening port number to allow OSS clients to communicate with the notification service.

CTM creates the notification channel with the QoS parameters shown in the following table.

Table A-1 QoS Parameters for the Notification Channel

Parameter	Value
ConnectionReliability	BestEffort
StartTimeSupported	false
OrderPolicy	FifoOrder
DiscardPolicy	FifoOrder
MaxEventsPerConsumer[1]	10000

1. The MaxEventsPerConsumer value is configurable. To modify this value, see B.8 Location of the Naming Service IOR File, page B-6. All other parameter values are defined by the TMF and cannot be changed.

CTM sets the RejectNewEvents administration property of the channel to true, as defined by the TMF.

Every notification that CTM generates has the QoS parameters listed in the following table. These parameter values are defined by the TMF and cannot be changed.

Table A-2 QoS Parameters for Notifications

Parameter	Value
EventReliability	BestEffort
Priority	DefaultPriority
Timeout	30 minutes for alarms and TCAs; 24 hours for all other notifications

The NMS retrieves all active alarms on the Element Management System (EMS) and on managed element objects. The NMS filters alarms based on probable cause and managed element name. CTM GateWay/CORBA forwards CTM-specific alarms to the NMS.

For NE-related alarms, CTM inserts the original probable cause in the alarm's nativeProbableCause field. The TMF-mapped probable cause is available in the probableCause field.

A.2 Resolving the Notification Service

CTM GateWay/CORBA can integrate with external notification services. When CTM GateWay/CORBA starts, a reference to EventNotifyChannelFactory is resolved. CTM GateWay/CORBA makes the following attempts to resolve the object:

1. Resolve initial references with the default service name of NotificationService to resolve the object. You can change the service name by setting the corbagw.notification.ServiceName property in the corbagw.properties file.
2. Resolve the object through the naming service. The default naming service entry is services.NotifyChannelFactory. You can change the naming service entry by setting the corbagw.notification.NamingContext property in the corbagw.properties file.
3. Resolve the object directly through the Interoperable Object Reference (IOR). You can change the URL of the IOR file by setting the corbagw.notification.FactoryIORFile property in the corbagw.properties file. The default location for the IOR file is file://localhost/CTM_baseDir/cfg/NotificationService.ior. You can specify a URL that points to a remote web server.

A.3 Tips to Improve Notification Throughput

While CTM GateWay/CORBA and the bundled notification server are developed and tuned to provide high throughput, you might want to take additional steps to improve throughput and avoid any loss of notifications. You should implement the StructuredPushConsumer interface defined by the Object Management Group (OMG) and implement the push_structured_event method. The notification server invokes this method on the NMS.

Caution Because all CORBA calls are blocking, the notification server thread blocks until the push_structured_event method completes. If you try to perform a time-consuming task before the method completes, you will block the notification server.

To improve throughput, you should receive the event and forward it to another thread for processing.

For example:

```
void push_structured_event(StructuredEvent notification) {
    try {
        some_other_thread_queue.addNotification(notification);
    } catch (Exception ex) {
        // catch all exception and ignore
        ex.printStackTrace();
    }
}
```

Caution As shown in the example, you must catch all exceptions, or you will stop receiving notifications.

A.4 Supported Events

The following sections list the attributes of each event.

A.4.1 Object Creation

The following table lists the object creation types and attributes.

Table A-3 Object Creation

Attribute Name	Type	Supported by CTM?
notificatId	string	Yes. The uniqueness and sequence of the notification ID are not guaranteed.
objectName	globaldefs::NamingAttributes_T	Yes.
objectType	notifications::ObjectType_T	Yes.
emsTime	globaldefs::Time_T	Yes.
neTime	globaldefs::Time_T	No.
edgePoint	boolean	No.

Object creation notifications are sent to the NMS for the objects in the following table.

Table A-4 Object Creation Notifications

Object Type	Type Sent in remainder_of_body for Object Creation Event
OT_MANAGED_ELEMENT	managedElement::ManagedElement_T
OT_MULTILAYER_SUBNETWORK	multiLayerSubnetwork::MultiLayerSubnetwork_T
OT_TOPOLOGICAL_LINK	topologicalLink::TopologicalLink_T
OT_SUBNETWORK_CONNECTION	subnetworkConnection::SubnetworkConnection_T
OT_EQUIPMENT	equipment::Equipment_T
OT_PROTECTION_GROUP	protection::ProtectionGroup_T

Table A-4 Object Creation Notifications (continued)

Object Type	Type Sent in remainder_of_body for Object Creation Event
OT_L2TOPOLOGY	MultiLayerSubnetwork::L2Topology_T
OT_MLVLAN	MultiLayerSubnetwork::MLVLAN_T
OT_ROLL	MultiLayerSubnetwork::Roll_T
OT_VCAT	SubnetworkConnection::VCAT_T

CTM does not generate object creation events for SubnetworkConnection for the ONS 15540.

CTM cannot give the object name for object creation events for ONS 15501, ONS 15530, and ONS 15540 equipment.

For the MGX 8880/8850/8830, CTM generates object creation events for the object types OT_MANAGED_ELEMENT and OT_EQUIPMENT.

Note The number of equipment holders for NEs supported by CTM is constant. To reduce traffic between CTM and the NMS, CTM does not generate object creation events for equipment holders. The number of PTPs on equipment is also constant. Therefore, CTM generates only object creation events for equipment.

A.4.2 Object Deletion

The following table lists the object deletion types and attributes.

Table A-5 Object Deletion

Attribute Name	Type	Supported by CTM?
notificationId	string	Yes. The uniqueness and sequence of the notification ID are not guaranteed.
objectName	globaldefs::NamingAttributes_T	Yes.
objectType	notifications::ObjectType_T	Yes.
emsTime	globaldefs::Time_T	Yes.
neTime	globaldefs::Time_T	No.
edgePoint	boolean	No.

Object deletion notifications are sent to the NMS for the objects in the following table.

Table A-6 Object Deletion Notifications

Object Type	Type Sent in remainder_of_body for Object Deletion Event
OT_MANAGED_ELEMENT	managedElement::ManagedElement_T
OT_MULTILAYER_SUBNETWORK	multiLayerSubnetwork::MultiLayerSubnetwork_T
OT_TOPOLOGICAL_LINK	topologicalLink::TopologicalLink_T
OT_SUBNETWORK_CONNECTION	subnetworkConnection::SubnetworkConnection_T

Table A-6 Object Deletion Notifications (continued)

Object Type	Type Sent in remainder_of_body for Object Deletion Event
OT_EQUIPMENT	equipment::Equipment_T
OT_PROTECTION_GROUP	protection::ProtectionGroup_T
OT_L2TOPOLOGY	MultiLayerSubnetwork::L2Topology_T
OT_MLVLAN	MultiLayerSubnetwork::MLVLAN_T
OT_ROLL	MultiLayerSubnetwork::Roll_T
OT_VCAT	SubnetworkConnection::VCAT_T

CTM does not generate object deletion events for SubnetworkConnection for the ONS 15501, ONS 15530, and ONS 15540.

For the MGX 8880/8850/8830, CTM generates object deletion events for the object types OT_MANAGED_ELEMENT and OT_EQUIPMENT.

Note The number of equipment holders for all NEs supported by CTM is constant. To reduce traffic between CTM and the NMS, CTM does not generate object deletion events for equipment holders. The number of PTPs on equipment is also constant. Therefore, CTM generates only object deletion events for equipment.

A.4.3 Attribute Value Change

The following table lists the attribute value change (AVC) types and attributes.

Table A-7 Attribute Value Change

Attribute Name	Type	Supported by CTM?
notificationId	string	Yes. The uniqueness and sequence of the notification ID are not guaranteed.
objectName	globaldefs::NamingAttributes_T	Yes.
objectType	notifications::ObjectType_T	Yes.
emsTime	globaldefs::Time_T	Yes.
neTime	globaldefs::Time_T	No.
edgePoint	boolean	No.
attributeList	notifications::NVList_T	Yes.

Attribute value change notifications are sent to the NMS for the objects and attributes in the following table.

Table A-8 Attribute Value Change Notifications

Object Type	Attributes
OT_EMS	nativeEMSName
OT_MANAGED_ELEMENT	nativeEMSName—This field reflects the new managed element name if it is changed. location version productName
OT_MULTILAYER_SUBNETWORK	NativeEMSName
OT_TOPOLOGICAL_LINK[1]	None
OT_SUBNETWORK_CONNECTION[2]	None
OT_L2TOPOLOGY	NativeEMSName
OT_MLVLAN	None **Note** This event notifies the NMS that the VLAN was updated.
OT_ROLL	None **Note** This event notifies the NMS that the roll was updated.
OT_VCAT	None **Note** This event notifies the NMS that the VCAT changed.

1. The OT_TOPOLOGICAL_LINK event notifies the NMS that some attribute of the topological link changed.
2. The OT_SUBNETWORK_CONNECTION event is generated only when CTM fails to delete an SNC and it remains in the same state.

Note
- CTM does not generate AVC events for SubnetworkConnection for the ONS 15501, ONS 15530, and ONS 15540.
- For the MGX 8880/8850/8830, CTM generates AVC events for the object types OT_MANAGED_ELEMENT and OT_EMS.

A.4.4 State Change Event

The following table lists the state change event types and attributes.

Table A-9 State Change Event

Attribute Name	Type	Supported by CTM?
notificationId	string	Yes. The uniqueness and sequence of the notification ID are not guaranteed.
objectName	globaldefs::NamingAttributes_T	Yes.
objectType	notifications::ObjectType_T	Yes.

Table A-9 State Change Event (continued)

Attribute Name	Type	Supported by CTM?
emsTime	globaldefs::Time_T	Yes.
neTime	globaldefs::Time_T	No.
edgePoint	boolean	No.
attributeList	notifications::NVList_T	Yes.

State change event notifications are sent to the NMS for the objects and attributes in the following table.

Table A-10 State Change Event Notifications

Object Type	Attributes
OT_MANAGED_ELEMENT	communicationState—CTM supports the following values: • CS_AVAILABLE • CS_UNAVAILABLE emsInSyncState—CTM supports the following values: • True • False
OT_EQUIPMENT_HOLDER	holderState—State change. CTM supports the following values: • EMPTY • INSTALLED_AND_EXPECTED • EXPECTED_AND_NOT_INSTALLED • MISMATCH_OF_INSTALLED_AND_EXPECTED
OT_SUBNETWORK_CONNECTION[1]	sncState—CTM supports the following values: • SNCS_DELETING • SNCS_PARTIAL • SNCS_ACTIVE
OT_L2TOPOLOGY	L2TopoState—CTM supports the following values: • L2TS_COMPLETE • L2TS_INCOMPLETE topoInSyncState—CTM supports the following values: • true • false
OT_MLVLAN	vlanState—CTM supports the following values: • VLS_COMPLETE • VLS_INCOMPLETE

Table A-10 State Change Event Notifications (continued)

Object Type	Attributes
OT_ROLL	rollState—CTM supports the following values: • ROLL_PENDING • ROLL_COMPLETED • ROLL_CANCELLED • ROLL_INCOMPLETE
OT_VCAT	vcatState—CTM supports the following values: • VCATS_DELETING • VCATS_PARTIAL • VCAT_ACTIVE

1. The OT_SUBNETWORK_CONNECTION event is generated only when CTM changes the SNC. If CTC or any other tool is used to change the SNC, CTM does not report this event.

CTM does not generate state change events for EquipmentHolder and SubnetworkConnection for the ONS 15501, ONS 15530, and ONS 15540.

For the MGX 8880/8850/8830, CTM generates state change events for the object types OT_MANAGED_ELEMENT and OT_EQUIPMENT_HOLDER.

A.4.5 Protection Switch

The following table lists the protection switch types and attributes. The protection switch event is not supported for MGX 8880/8850/8830 NEs.

Table A-11 Protection Switch

Attribute Name	Type	Supported by CTM?
notificationId	String	Yes. The uniqueness and the sequence of the notification ID are not guaranteed.
emsTime	globaldefs::Time_T	Yes.
neTime	globaldefs::Time_T	No.
ProtectionType	protection::ProtectionType_T	No.
switchReason	protection::switchReason_T	No.
layerRate	transmissionParameters::LayerRate_T	No.
groupName	globaldefs::NamingAttributes_T	No. (Yes for ONS 15540 and ONS 15530.)
protectedTP	globaldefs::NamingAttributes_T	No. (Yes for ONS 15540 and ONS 15530.)
switchAwayFromTP	globaldefs::NamingAttributes_T	Yes for ONS 15540 and ONS 15530.
switchToTP	globaldefs::NamingAttributes_T	No. (Yes for ONS 15540 and ONS 15530.)

Table A-11 Protection Switch (continued)

Attribute Name	Type	Supported by CTM?
affectedTP **Note** This is not defined by the TMF.	globaldefs::NamingAttributes_T	Yes. (No for ONS 15540 and ONS 15530.)
Description **Note** This is not defined by the TMF.	String	Yes. The value of this field is the native NE event value.

A.4.6 Threshold Crossing Alert

The following table lists the TCA types and attributes. This event is not supported for ONS 15501, ONS 15530, ONS 15540, and MGX 8880/8850/8830 NEs because TCAs are reported as alarms.

Table A-12 Threshold Crossing Alert

Attribute Name	Type	Supported by CTM?
notificationId	string	Yes. The uniqueness and the sequence of the notification ID are not guaranteed.
objectName	globaldefs::NamingAttributes_T	Yes.
nativeEMSName	string	Yes.
objectType	notifications::ObjectType_T	Yes.
emsTime	globaldefs::Time_T	Yes.
neTime	globaldefs::Time_T	Yes.
isClearable	boolean	Yes. Always set to false.
perceivedSeverity	notifications::PerceivedSeverity_T	Yes. Always set to PerceivedSeverity_T.PS_INDETERMINATE.
layerRate	transmissionParameters::LayerRate_T	Yes.
granularity	Granularity_T	Yes.
pmParameterName	PMParameterName_T	Yes. **Note** If the NE does not report the location, this field is empty.
pmLocation	PMLocation_T	Yes. **Note** If the NE does not report the location, this field is empty.
thresholdType	PMThresholdType_T	No.
value	float	Yes.
unit	string	No.

A.4.7 Alarm

The following table lists the most common alarm messages.

If there is an alarm on an STS/VC4 CTP utilizing all ports of a DS1/E1 card, the alarm is reported with the containing PTP as port 127. If an STS/VC4 SNC exists with one of the drop CTPs of the SNC using all ports on a DS1/E1 card, and if there is an alarm on the STS CTP, CTM reports the port number of the containing PTP as 127.

Table A-13 Alarm

Attribute Name	Type	Supported by CTM?
notificationId	string	Yes. The uniqueness and sequence of the notification ID are not guaranteed.
objectName	globaldefs::NamingAttributes_T	Yes.
nativeEMSName	string	Yes.
nativeProbableCause	string	Yes. **Note** In case of external condition alarms, the string value of the condition type is appended to this field.
objectType	notifications::ObjectType_T	Yes.
emsTime	globaldefs::Time_T	Yes.
neTime	globaldefs::Time_T	Yes.
isClearable	boolean	Yes. The value is always set to True.
layerRate	transmissionParameters::LayerRate_T	Yes. **Note** Not supported for ONS 15501, ONS 15530, and ONS 15540 NEs.
probableCause	string	Yes.
probableCauseQualifier	string	Yes. CTM provides the same value as in the nativeProbableCause field.
perceivedSeverity	notifications::PerceivedSeverity_T	Yes.
serviceAffecting	notifications::ServiceAffecting_T	Yes.
affectedTPList	globaldefs::NamingAttributesList_T	Yes.
additionalText	string	Yes.
additionalInfo	globaldefs::NVSList_T	Yes. CTM provides subnetwork name when available. If the alarmed object is OC-n PTP, CTM also includes SDH_SONET_SS_BITS in this list. CTM provides the IP address for ME-related alarms. CTM provides the ME name when the object type is OT_EMS and the alarm is ME-related. CTM provides the affected object when the object type is OT_EMS and the nativeProbableCause is “Server Monitor Threshold Crossed.”

Table A-13 Alarm (continued)

Attribute Name	Type	Supported by CTM?
isPropagated	boolean	Yes. For the MGX 8880/8850/8830, values are assigned to this field. For all other NEs, this field is always set to False.
aresFDN	string	Yes.

A.4.8 Heartbeat Event

CTM generates a periodic heartbeat event and pushes the event to the notification channel. By default, this function is disabled. You can configure the interval value through the CTM Control Panel. If the interval value is set to 0, the heartbeat event is disabled. By monitoring this event, the northbound interface client knows whether the notification service is active. The type_name field contains the NT_HEART_BEAT value under the fixed_header for this type of event. Filterable_data has only one field, which is shown in the following table.

Table A-14 Heartbeat Event

Attribute Name	Type	Supported by CTM?
notificationId	string	Yes. The uniqueness and sequence of the notification ID are not guaranteed.

A.4.9 Backup Status Event

The backup status event contains details about changes to a managed element's backup status.

Table A-15 Backup Status Event

Attribute Name	Type	Supported by CTM?
notificationId	string	Yes. The uniqueness and sequence of the notification ID are not guaranteed.
emsTime	globaldefs::Time_T	Yes. The time when the EMS reported the event.
neTime	globaldefs::Time_T	Yes. The time provided by the NE. If the NE does not report time, this field is optional or reports an empty string.
backupStatus	softwareManager::BackupStatus_T	Yes. The backup status of the managed element.
meName	globaldefs::NamingAttributes_T	Yes. The name of the managed element from which the backup was taken.

A.5 Probable Cause Mapping

A.5.1 TMF-Defined Probable Cause

The following report lists the probable causes defined by the TMF:

"UNIDENTIFIED": for alarms that do not match any other string below. EMS shall in this case fill out the additional text field as much as possible.
"AIS": alarm indication signal
"AMS": Alternate modulation signal
"AU-AIS": AU alarm indication signal
"BER_SD": signal degrade (includes receiver degrade)
"BER_SF": signal fail (includes receiver failure and excessive BER)
"DCC_FAILURE": Data Communication Channel Failure
"EMS": EMS system alarm
"EMS_ALM_LOSS": The 1st notification that the EMS may supply after 1 or more notifications for protection switch, TCA, alarm, or file transfer status have been discarded by the EMS while other events have not been discarded
"EMS_LIFECYCLE_LOSS": The 1st notification that an EMS may supply after 1 or more events of type OC/OD/AVC/SC/RC have been discarded by the EMS
"EMS_ALM_AND_LIFECYCLE_LOSS": The 1st notification that an EMS may supply after 1 or more notifications for protection switch, TCA, alarm, or file transfer status, and 1 or more events of type OC/OD/AVC/SC/RC have been discarded by the EMS
"EQPT": equipment alarm
"ENV": Environmental/external cause
"FOP_APS": failure of APS protocol
"LCD": Loss of Cell Delineation (from TC Adaptor part of ATM NI)
"LOF": loss of frame (when distinguished from LOS)
"LOM": loss of multiframe (SDH only, since not an alarm in GR-253)
"LOP": loss of pointer
"LOS": loss of signal
"MS-AIS": MS alarm indication signal
"OSC-AIS": Optical Supervisory Channel alarm indication signal
"OSC_BER_SF": Optical Supervisory Channel signal fail/RX fail/excessive BER
"OSC_FERF": Optical Supervisory Channel Far End Receive Failure
"OSC_LOF": Optical Supervisory Channel Loss of Frame
"OSC_LOS": Optical Supervisory Channel Loss of Signal
"OSC_SD": Optical Supervisory Channel signal degrade
"PLM": payload label mismatch (when reported as an alarm)
"RAI": remote alarm indication (sometimes reported as RDI)
"SECURITY_VIOLATION": security violation
"SSF": server signal fail
"TCM-AIS": Tandem Connection Sink - Incoming Alarm Indication Signal
"TCM-LOS": Tandem Connection Sink - Loss of Tandem Connection Signal
"TCM-OAI": Tandem Connection Sink - Outgoing Defect Indication (same/similar to Alarm Indication)
"TCM-RAI": Tandem Connection Sink - Remote Defect Indication (same/similar to Alarm Indication)
"TCM-SD": Tandem Connection Sink - Signal Degrade
"TCM-SSF": Tandem Connection Sink - Server Signal Fail
"TCM-TIM": Connection Sink - Trace Identifier Mismatch
"TCM-UNEQ": Tandem Connection Sink - Unequipped
"TIM": trace identifier mismatch (when reported as an alarm)
"TU-AIS": TU alarm indication signal
"TX_DEGRADE": transmitter degrade, including laser degrade
"TX_FAIL": transmitter failure, including laser failure
"UAT": Unavailable Time
"UNEQ": payload unequipped
"VC-AIS": VCL/VCC TP Alarm Indication Signal
"VC-RDI": VCL/VCC TP Remote Defect Indication
"VP-AIS": VPL/VPC TP Alarm Indication Signal

"VP-RDI": VPL/VPC TP Remote Defect Indication

A.5.2 CTM GateWay/CORBA Mapping—EMS

The following table lists the CTM GateWay/CORBA mapping for the EMS.

Table A-16 CTM GateWay/CORBA Mapping for the EMS

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EMS	Loss of communication	5001
EMS	Memory automatic or manual backup failure	5002
SECURITY_VIOLATION	Maximum login attempts exceeded	5003
EMS	Partition 0 free disk space low	5004
EMS	Partition 1 free disk space low	5005
EMS	Partition 2 free disk space low	5006
EMS	Partition 3 free disk space low	5007
EMS	Partition 4 free disk space low	5008
EMS	Partition 5 free disk space low	5009
EMS	Partition 6 free disk space low	5010
EMS	Alarm resync unsuccessful	5011
EMS	Server monitor threshold crossed	5012

A.5.3 CTM GateWay/CORBA Mapping—MGX 8880/8850/8830

The following table lists the CTM GateWay/CORBA mapping for the MGX 8880/8850/8830.

Table A-17 CTM GateWay/CORBA Mapping for the MGX 8880/8850/8830

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EMS	Sync-up has not started yet	60009
EMS	Currently in sync-up	60010
EMS	Partial sync-up	60011
EMS	Sync-up failed	60012
EMS	Server in partial sync-up	60013
EMS	Server sync-up failed	60014
Note The following EMS alarms must be cleared manually, so “isClearable” should be set to “False” in the corresponding CTM GateWay/CORBA alarm event.		
EMS	FTP transfer failure	62401
EMS	FTP file size mismatch	62408

Table A-17 CTM GateWay/CORBA Mapping for the MGX 8880/8850/8830 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EMS	FTP transfer failed	62409
EMS	Upload file error	62410
EMS	Minus 2 trap	62411
EMS	Card lost trap	62412
EMS	SNMP retry exceeded	62413
EMS	FTP retry exceeded	62414
EMS	Stats file error	62416
EMS	Stats file transfer error	62417
EMS	SNMP throttle error	62418
EMS	Backoff failed	62419
EMS	SNMP timeout	62420
EMS	FTP session timeout	62421
EMS	FTP transfer timeout	62422
EMS	Unknown error	62448
EMS	Initialization error	62449
EMS	Communication error in ILOG	62452
EMS	Communication error in shared memory	62453
EMS	Communication error in CORBA	62454
EMS	NTS registration failed	62456
EMS	NTS trap loss	62457
EMS	PM error	62459
EMS	Process restarted	62502
Shelf-Level Peripheral Alarms		
EQPT	Above normal	60031
EQPT	Below normal	60032
EQPT	Down	60033
EQPT	Power failure	60034
Card-Level Alarms for all Supported Cards on MGX8880/8850/8830		
EQPT	Front card not present	60101
EQPT	Front card failed	60102
EQPT	Front card in self test	60103
EQPT	Front card held in reset	60104
EQPT	Front card in boot	60105
EQPT	Front card mismatch	60106
EQPT	Front card unknown alarm	60107

Table A-17 CTM GateWay/CORBA Mapping for the MGX 8880/8850/8830 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Front card core card mismatch	60108
EQPT	Front card failed, no backup	60109
EQPT	Front card reserved	60110
EQPT	Front card down	60111
EQPT	Front card in update mode	60112
EQPT	Front card unavailable	60113
EQPT	Front card downloading	60114
EQPT	Front card downloader	60115
EQPT	Front card downloaded	60116
EQPT	Front card locked	60117
EQPT	Front card in program mode	60118
EQPT	Front card upgrading	60119
EQPT	Front card upgraded	60120
EQPT	Front card frozen	60121
EQPT	Front card in hold mode	60122
EQPT	Front card not responding	60123
EQPT	Front card in initialization	60124
EQPT	Front card blocked	60125
EQPT	Front card removed	60126
EQPT	Primary back card not present	60201
EQPT	Primary back card in mismatch	60202
EQPT	Secondary back card not present	60301
EQPT	Secondary back card in mismatch	60302
EQPT	Primary card not present	60401
EQPT	Primary card failed	60402
EQPT	Primary card in self test	60403
EQPT	Primary card held in reset	60404
EQPT	Primary card in boot	60405
EQPT	Primary card mismatch	60406
EQPT	Primary card unknown alarm	60407
EQPT	Primary card core card mismatch	60408
EQPT	Primary card failed, no backup	60409
EQPT	Primary card reserved	60410
EQPT	Primary card down	60411
EQPT	Primary card in update mode	60412

Table A-17 CTM GateWay/CORBA Mapping for the MGX 8880/8850/8830 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Primary card unavailable	60413
EQPT	Primary card downloading	60414
EQPT	Primary card downloader	60415
EQPT	Primary card downloaded	60416
EQPT	Primary card locked	60417
EQPT	Primary card in program mode	60418
EQPT	Primary card upgrading	60419
EQPT	Primary card upgraded	60420
EQPT	Primary card frozen	60421
EQPT	Primary card in hold mode	60422
EQPT	Primary card not responding	60423
EQPT	Primary card in initialization	60424
EQPT	Primary card blocked	60425
EQPT	Front card removed	60426
EQPT	Secondary card not present	60501
EQPT	Secondary card failed	60502
EQPT	Secondary card in self test	60503
EQPT	Secondary card held in reset	60504
EQPT	Secondary card in boot	60505
EQPT	Secondary card mismatch	60506
EQPT	Secondary card unknown alarm	60507
EQPT	Secondary card core card mismatch	60508
EQPT	Secondary card failed, no backup	60509
EQPT	Secondary card reserved	60510
EQPT	Secondary card down	60511
EQPT	Secondary card in update mode	60512
EQPT	Secondary card unavailable	60513
EQPT	Secondary card downloading	60514
EQPT	Secondary card downloader	60515
EQPT	Secondary card downloaded	60516
EQPT	Secondary card locked	60517
EQPT	Secondary card in program mode	60518
EQPT	Secondary card upgrading	60519
EQPT	Secondary card upgraded	60520
EQPT	Secondary card frozen	60521

Table A-17 CTM GateWay/CORBA Mapping for the MGX 8880/8850/8830 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Secondary card in hold mode	60522
EQPT	Secondary card not responding	60523
EQPT	Secondary card in initialization	60524
EQPT	Redundant blocked	60525
EQPT	Secondary card removed	60526
EQPT	Controller in standby mode	60601
EQPT	License expired	60650
EQPT	License missing	60651
EQPT	Card sync-up failed	60660
EQPT	Redundant card switch over	60661
Sensor Alarms: VXSM		
EQPT	Sensor less than threshold value	60670
EQPT	Sensor greater than threshold value	60671
EQPT	Sensor equal to threshold value	60672
EQPT	Sensor less than threshold value	60673
EQPT	Sensor greater than threshold value	60674
EQPT	Sensor equal to threshold value	60675
EQPT	Sensor less than threshold value	60676
EQPT	Sensor greater than threshold value	60677
EQPT	Sensor equal to threshold value	60678
Line-Level Alarms		
DS1 Line: AXSM, MPSM, PXM1E, VXSM, VISM, SRME		
RAI	Receiving RAI	60701
RAI	Transmitting RAI	60702
AIS	Receiving AIS	60703
AIS	Transmitting AIS	60704
OOF	Receiving OOF	60705
LOS	Receiving LOS	60706
UNIDENTIFIED	Near-end local loop in effect	60707
UNIDENTIFIED	Near-end remote loop in effect	60708
UNIDENTIFIED	Near-end remote payload loop in effect	60709
OOF	Receiving CRC MF OOF	60710
OOF	Receiving signal MF OOF	60711
RAI	Receiving MF RAI	60712
AIS	Receiving MF AIS	60713

Table A-17 CTM GateWay/CORBA Mapping for the MGX 8880/8850/8830 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Far-end remote loopback	60714
UNIDENTIFIED	Detected near-end remote loopback	60715
DS3 Line: AXSM, MPSM, PXM1E, VXSM, SRME		
UNIDENTIFIED	Receiving RAI	60801
RAI	Transmitting RAI	60802
AIS	Receiving AIS	60803
AIS	Transmitting AIS	60804
OOF	Receiving OOF	60805
LOS	Receiving LOS	60806
UNIDENTIFIED	Near-end local loop in effect	60807
UNIDENTIFIED	Near-end remote loop in effect	60808
UNIDENTIFIED	Receiving test pattern	60809
UNIDENTIFIED	Receiving LOCD	60810
UNIDENTIFIED	Receiving C-bit parity pattern	60811
SONET Line: AXSM, MPSM, PXM1E, VXSM, SRME		
AIS	Line receiving AIS	60901
UNIDENTIFIED	Line receiving RDI	60902
AIS	Line transmitting AIS	60903
UNIDENTIFIED	Line transmitting RDI	60904
LOS	Section LOS	60910
LOF	Section LOF	60911
UNIDENTIFIED	Section trace ID mismatch	60912
LOP	Path receiving STS LOP	60920
AIS	Path receiving STS AIS	60921
UNIDENTIFIED	Path receiving STS RDI	60922
UNEQ	Path unequipped	60923
UNIDENTIFIED	Path signal label mismatch	60924
UNIDENTIFIED	Path trace failure	60925
AIS	Path transmitting AIS	60926
UNIDENTIFIED	Path transmitting RDI	60927
UNIDENTIFIED	Path signal receiving LOCD	60928
Line Stats Alarm		
DS1/DS3: AXSM, MPSM, PXM1E, VXSM, VISM, SRME		
UNIDENTIFIED	Stats alarm, PES current 15-minute threshold exceeded	61101
UNIDENTIFIED	Stats alarm, PES 24-hour threshold exceeded	61102

Table A-17 CTM GateWay/CORBA Mapping for the MGX 8880/8850/8830 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Stats alarm, PSES current 15-minute threshold exceeded	61103
UNIDENTIFIED	Stats alarm, PSES 24-hour threshold exceeded	61104
UNIDENTIFIED	Stats alarm, SEFS current 15-minute threshold exceeded	61105
UNIDENTIFIED	Stats alarm, SEFS 24-hour threshold exceeded	61106
UNIDENTIFIED	Stats alarm, UAS current 15-minute threshold exceeded	61107
UNIDENTIFIED	Stats alarm, UAS 24-hour threshold exceeded	61108
UNIDENTIFIED	Stats alarm, LCV current 15-minute threshold exceeded	61109
UNIDENTIFIED	Stats alarm, LCV 24-hour threshold exceeded	61110
UNIDENTIFIED	Stats alarm, PCV current 15-minute threshold exceeded	61111
UNIDENTIFIED	Stats alarm, PCV 24-hour threshold exceeded	61112
UNIDENTIFIED	Stats alarm, LES current 15-minute threshold exceeded	61113
UNIDENTIFIED	Stats alarm, LES 24-hour threshold exceeded	61114
UNIDENTIFIED	Stats alarm, CCV current 15-minute threshold exceeded	61115
UNIDENTIFIED	Stats alarm, CCV 24-hour threshold exceeded	61116
UNIDENTIFIED	Stats alarm, CES current 15-minute threshold exceeded	61117
UNIDENTIFIED	Stats alarm, CES 24-hour threshold exceeded	61118
UNIDENTIFIED	Stats alarm, CSES current 15-minute threshold exceeded	61119
UNIDENTIFIED	Stats alarm, CSES 24-hour threshold exceeded	61120
SONET: AXSM, MPSM, PXM1E, VXSM, SRME		
UNIDENTIFIED	Stats alarm, SONET line, total ESs	61201
UNIDENTIFIED	Stats alarm, SONET line, total SESs	61202
UNIDENTIFIED	Stats alarm, SONET line, total CVs	61203
UNIDENTIFIED	Stats alarm, SONET line, total UAs	61204
UNIDENTIFIED	Stats alarm, SONET line, current ESs	61205
UNIDENTIFIED	Stats alarm, SONET line, current SESs	61206
UNIDENTIFIED	Stats alarm, SONET line, current CVs	61207
UNIDENTIFIED	Stats alarm, SONET line, current UAs	61208
UNIDENTIFIED	Stats alarm, SONET line, far end, current ESs	61209
UNIDENTIFIED	Stats alarm, SONET line, far end, total ESs	61210
UNIDENTIFIED	Stats alarm, SONET line, far end, total SESs	61211
UNIDENTIFIED	Stats alarm, SONET line, far end, total CVs	61212
UNIDENTIFIED	Stats alarm, SONET line, far end, total UAs	61213
UNIDENTIFIED	Stats alarm, SONET line, far end, current SESs	61214
UNIDENTIFIED	Stats alarm, SONET line, far end, current CVs	61215
UNIDENTIFIED	Stats alarm, SONET line, far end, current UASs	61216

Table A-17 CTM GateWay/CORBA Mapping for the MGX 8880/8850/8830 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Stats alarm, SONET section, total ESs	61301
UNIDENTIFIED	Stats alarm, SONET section, total SESs	61302
UNIDENTIFIED	Stats alarm, SONET section, total SEFSs	61303
UNIDENTIFIED	Stats alarm, SONET section, total CVs	61304
UNIDENTIFIED	Stats alarm, SONET section, current ESs	61305
UNIDENTIFIED	Stats alarm, SONET section, current SESs	61306
UNIDENTIFIED	Stats alarm, SONET section, current SEFSs	61307
UNIDENTIFIED	Stats alarm, SONET section, current CVs	61308
UNIDENTIFIED	Stats alarm, SONET path, total ESs	61401
UNIDENTIFIED	Stats alarm, SONET path, total SESs	61402
UNIDENTIFIED	Stats alarm, SONET path, total CVs	61403
UNIDENTIFIED	Stats alarm, SONET path, total UAs	61404
UNIDENTIFIED	Stats alarm, SONET path, current ESs	61405
UNIDENTIFIED	Stats alarm, SONET path, current SESs	61406
UNIDENTIFIED	Stats alarm, SONET path, current CVs	61407
UNIDENTIFIED	Stats alarm, SONET path, current UAs	61408
UNIDENTIFIED	Stats alarm, SONET path, far end, current ESs	61409
UNIDENTIFIED	Stats alarm, SONET path, far end, total ESs	61410
UNIDENTIFIED	Stats alarm, SONET path, far end, total SESs	61411
UNIDENTIFIED	Stats alarm, SONET path, far end, total CVs	61412
UNIDENTIFIED	Stats alarm, SONET path, far end, total UAs	61413
UNIDENTIFIED	Stats alarm, SONET path, far end, current SESs	61414
UNIDENTIFIED	Stats alarm, SONET path, far end, current CVs	61415
UNIDENTIFIED	Stats alarm, SONET path, far end, current UASs	61416
Line APS Alarms: AXSM, MPSM, PXM1E, VXSM, SRME		
FOP_APS	APS alarm, channel mismatch	61501
FOP_APS	APS alarm, protection byte fail	61502
FOP_APS	APS alarms, FE protection failure	61503
FOP_APS	APS alarms, mode mismatch	61504
FOP_APS	APS alarms, signal degrade	61505
FOP_APS	APS alarms, signal failure	61506
FOP_APS	APS alarms, line alarm	61507
FOP_APS	APS alarms, line loopback	61508
FOP_APS	APS alarms, standby signal degrade	61509
FOP_APS	APS alarms, standby signal failure	61510

Table A-17 CTM GateWay/CORBA Mapping for the MGX 8880/8850/8830 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
FOP_APS	APS alarms, standby line alarm	61511
FOP_APS	APS alarms, standby line loopback	61512
FOP_APS	APS alarms, direction mismatch	61513
FOP_APS	APS alarms, wrong request	61514
EQPT	APS alarms, protect BC missing	61515
EQPT	APS alarms, protect DC missing	61516
EQPT	APS alarms, working BC missing	61517
EQPT	APS alarms, working DC missing	61518
EQPT	APS alarms, working card mismatch	61519
EQPT	APS alarms, protect card mismatch	61520
FOP_APS	APS alarms, APS revertive switch fail	61521
FOP_APS	APS alarms, APS manual switch fail	61522
FOP_APS	APS alarms, APS SD low switch fail	61523
FOP_APS	APS alarms, APS SD high switch fail	61524
FOP_APS	APS alarms, APS SF low switch fail	61525
FOP_APS	APS alarms, APS SF high switch fail	61526
FOP_APS	APS alarms, APS force switch fail	61527
FOP_APS	APS alarms, APS lockout switch fail	61528
FOP_APS	APS alarms, APS line status OK	61529
Port Alarms: AXSM, MPSM, PXM1E		
UNIDENTIFIED	Port, not configured	61751
UNIDENTIFIED	Port, down/failure	61752
UNIDENTIFIED	Port, remote loopback	61753
UNIDENTIFIED	Port, signaling failure	61754
UNIDENTIFIED	Port, out of cell delineation	61755
UNIDENTIFIED	Port, lower layer down	61756
RPM Port Alarms: RPM, RPM-XF		
UNIDENTIFIED	RPM port, down	62101
UNIDENTIFIED	RPM port, testing	62102
UNIDENTIFIED	RPM port, unknown	62103
UNIDENTIFIED	RPM port, lower layer down	62104
SVC Port Alarms: AXSM, VXSM, RPM-XF, RPM		
UNIDENTIFIED	SVC port, failed	62201
UNIDENTIFIED	SVC port, inactive	62202
UNIDENTIFIED	SVC port, lower layer down	62203

Table A-17 CTM GateWay/CORBA Mapping for the MGX 8880/8850/8830 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
VISM Port Alarms: VISM		
UNIDENTIFIED	VISM port, failed	62221
UNIDENTIFIED	VISM port, degraded	62222
UNIDENTIFIED	VISM port, lower layer down	62223
Aggregate Port Alarms: AXSM, MPSM, PXM1E RPM, RPM-XF		
UNIDENTIFIED	Aggregate port alarm; one or more connections on this port are in primary failure	62301
UNIDENTIFIED	Aggregate port alarm; one or more connections on this port are in secondary failure	62302
UNIDENTIFIED	Aggregate port alarm; one or more connections on this port are incomplete	62303
Connection Alarm: AXSM, MPSM, PXM1E, VXSM, VISM, RPM, RPM-XF		
UNIDENTIFIED	Connection alarm, primary failure	62601
UNIDENTIFIED	Connection alarm, secondary failure	62602
UNIDENTIFIED	Incomplete connection	62603
Card-Level VXSM and VISM Alarms		
UNIDENTIFIED	CAC resources, above high threshold value	60681
UNIDENTIFIED	CAC resources, above medium threshold value	60683
UNIDENTIFIED	Media gateway link state, pending in service	60611
UNIDENTIFIED	Media gateway link state, pending FOOS	60613
UNIDENTIFIED	Media gateway link state, pending GOOS	60614
UNIDENTIFIED	Media gateway link state, out of service	60612
UNIDENTIFIED	Media gateway link state, MGC direct out of service	60615
UNIDENTIFIED	RUDP session state, out of service	60631
UNIDENTIFIED	RUDP session state, standby in service	60632
UNIDENTIFIED	RUDP session state, full in service	60633
UNIDENTIFIED	RUDP session state, unknown	60634
UNIDENTIFIED	Session group state, out of service	60641
UNIDENTIFIED	Session group state, unknown	60642
UNIDENTIFIED	Session set state, out of service	60691
UNIDENTIFIED	Session set state, standby in service	60692
UNIDENTIFIED	Session set state, full in service	60693
UNIDENTIFIED	Session set state, unknown	60694
UNIDENTIFIED	MGC in redundancy group, inactive	60211
UNIDENTIFIED	MGC communication state, inactive	60221
UNIDENTIFIED	RTP connection state, failed	60231

Table A-17 CTM GateWay/CORBA Mapping for the MGX 8880/8850/8830 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	CID state, failed	60241
UNIDENTIFIED	MTP link set active	66001
UNIDENTIFIED	MTP link set inactive	66002
UNIDENTIFIED	MTP link set inhibited	66003
UNIDENTIFIED	MTP link set uninhibited	66004
UNIDENTIFIED	MTP link set shut	66005
UNIDENTIFIED	MTP link set no shut	66006
UNIDENTIFIED	MTP link active	66007
UNIDENTIFIED	MTP link inactive	66008
UNIDENTIFIED	MTP link inhibited	66009
UNIDENTIFIED	MTP link uninhibited	66010
UNIDENTIFIED	MTP link shut	66011
UNIDENTIFIED	MTP link no shut	66012
UNIDENTIFIED	MTP signaling gateway route available	66013
UNIDENTIFIED	MTP signaling gateway route unavailable	66014
UNIDENTIFIED	MTP signaling gateway route restricted	66015
UNIDENTIFIED	L3UA ASP active	66016
UNIDENTIFIED	L3UA ASP inactive	66017
UNIDENTIFIED	L3UA ASP down	66018
UNIDENTIFIED	L3UA ASP undefined	66019
UNIDENTIFIED	L3UA AS active	66020
UNIDENTIFIED	L3UA AS inactive	66021
UNIDENTIFIED	L3UA AS down	66022
UNIDENTIFIED	L3UA AS pending	66023
UNIDENTIFIED	L3UA AS undefined	66024
UNIDENTIFIED	DPNSS DLC active	66025
UNIDENTIFIED	DPNSS DLC inactive	66026
UNIDENTIFIED	Gateway voice quality alert	66027
UNIDENTIFIED	Gateway VBD call quality alert	66028
UNIDENTIFIED	Gateway voice quality alert for IP-IP	66029
UNIDENTIFIED	Gateway VQM trap queue full	66030
UNIDENTIFIED	System resource utilization threshold exceeded	66031
UNIDENTIFIED	System resource utilization normal	66032
UNIDENTIFIED	System resource utilization medium level exceeded	66033
UNIDENTIFIED	Zero percent call reduce rate reached	66034

Table A-17 CTM GateWay/CORBA Mapping for the MGX 8880/8850/8830 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Maximum call reduce rate reached	66035
UNIDENTIFIED	Gateway drop call starts	66036
UNIDENTIFIED	Gateway drop call alert cleared	66037
UNIDENTIFIED	Gateway overload normal	66038
UNIDENTIFIED	Gateway overload threshold exceeded	66039
Line-Level VISM and VXSM Alarms		
UNIDENTIFIED	Endpoint state, failed	60251
UNIDENTIFIED	Endpoint state, degraded	60252
UNIDENTIFIED	LAPD state, inactive	61591
UNIDENTIFIED	LAPD trunk state, inactive	61531
UNIDENTIFIED	LAPD trunk state, unknown	61532

A.5.4 CTM GateWay/CORBA Mapping—ONS 15216

A.5.4.1 ONS 15216 OADM

The following table lists the alarms for the ONS 15216 OADM R2.2.

Table A-18 CTM GateWay/CORBA Alarms for the ONS 15216 OADM R2.2

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
LOS	Add channel signal loss	8501
LOS	Drop channel signal loss	8502
EQPT	Add and drop channels are out of tolerance	8503
EQPT	Add channel signal is too weak and VOA cannot adjust it to match the drop signal	8504
EQPT	Power unit A failed	8505
EQPT	Power unit B failed	8506

A.5.4.2 ONS 15216 EDFA2

The following table lists the alarms for the ONS 15216 EDFA2 R2.3 and 2.4.

Table A-19 CTM GateWay/CORBA Alarms for the ONS 15216 EDFA2 R2.3 and R2.4

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Unknown alarm	8601
EQPT	Excessive pump 1 current	8602
EQPT	Excessive pump 2 current	8603
EQPT	Excessive pump 1 laser temperature	8604
EQPT	Excessive pump 2 laser temperature	8605
EQPT	Loss of output power	8606
EQPT	Loss of input power	8607
EQPT	Gain out of range	8608
EQPT	Case temperature out of range	8609
EQPT	Power unit A failed	8610
EQPT	Power unit B failed	8611
EQPT	Database backup	8612
EQPT	Database restore	8613
EQPT	Cutover reset	8614
EQPT	Software load	8615
EQPT	Software reset	8616

A.5.4.3 ONS 15216 EDFA3

The following table lists the alarms for the ONS 15216 EDFA3 R1.1.

Table A-20 CTM GateWay/CORBA Alarms for the ONS 15216 EDFA3 R1.1

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Unknown alarm	8701
EQPT	Gain degrade high	8702
EQPT	Gain degrade low	8703
EQPT	Laser 1 bias degrade	8704
EQPT	Laser 2 bias degrade	8705
EQPT	Laser 1 bias fail	8706
EQPT	Laser 2 bias fail	8707
EQPT	Power degrade high LINE1TX port	8708
EQPT	Power degrade low LINE1TX port	8709
EQPT	Power fail low LINE1RX port	8710

Table A-20 CTM GateWay/CORBA Alarms for the ONS 15216 EDFA3 R1.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Power fail low LINE1TX port	8711
EQPT	Power fail low LINE2RX port	8712
EQPT	VOA degrade high	8713
EQPT	VOA degrade low	8714
EQPT	VOA fail high	8715
EQPT	Case temperature out of range	8716
EQPT	Fiber temperature out of range	8717
EQPT	Excessive pump 1 temperature	8718
EQPT	Excessive pump 2 temperature	8719
EQPT	Backup/restore in progress	8720
EQPT	Data integrity fault	8721
EQPT	Equipment failure	8722
EQPT	Exceeding memory capacity	8723
EQPT	Exceeding flash file system capacity	8724
EQPT	Module communication failure	8725
EQPT	Power bus A alarm	8726
EQPT	Power bus B alarm	8727

A.5.5 CTM GateWay/CORBA Mapping—ONS 15302, ONS 15305, and ONS 15305 CTC

The following table lists the CTM GateWay/CORBA mapping for the ONS 15302, ONS 15305, and ONS 15305 CTC.

Table A-21 CTM GateWay/CORBA Mapping for the ONS 15302, ONS 15305, and ONS 15305 CTC

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	ONS 1530x condition unknown	19000
AIS	Alarm indication signal	19001
AIS	Alarm indication signal network side	19002
LOF	Alarm indication signal customer side	19003
LOF	Loss of frame alignment	19004
LOF	Loss of frame alignment network side	19005
LOF	Loss of frame alignment customer side	19006
LOP	Loss of pointer	19007
LOS	Loss of signal	19008

Table A-21 CTM GateWay/CORBA Mapping for the ONS 15302, ONS 15305, and ONS 15305 CTC (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
BER_SD	Degraded signal defect	19009
LOM	Loss of multiframe alignment	19010
RAI	Remote defect indication	19011
TIM	Trace identifier mismatch	19012
PLM	Payload mismatch	19013
UNEQ	Unequipped	19014
BER_SF	Excessive error defect	19015
UNIDENTIFIED	Communication subsystem failure	19016
SSF	Server signal failure	19017
UNIDENTIFIED	Alarm condition detected on an alarm input port	19018
EQPT	Device main unit failure	19019
EQPT	High temperature alarm	19020
EQPT	Fan failure	19021
EQPT	Power input failure	19022
EQPT	Power output failure	19023
EQPT	Module mismatch	19024
EQPT	Module removed	19025
EQPT	Module failure	19026
UNIDENTIFIED	MSP signaling problem	19027
UNIDENTIFIED	Power module failure	19028
UNIDENTIFIED	LAN port is not working	19029
UNIDENTIFIED	WAN port is not working	19030
UNIDENTIFIED	Too large delay on WAN channel	19031
UNIDENTIFIED	Sequence number fail on WAN channel	19032
UNIDENTIFIED	No synchronization source available	19033
UNIDENTIFIED	Defecting hardware impacting internal T0 clock	19034
UNIDENTIFIED	No T4 synchronization source available with QL >= QL min	19035
UNIDENTIFIED	Inventory failure	19036
UNIDENTIFIED	Diagnostic failure	19037
UNIDENTIFIED	DXC inlet failure	19038
UNIDENTIFIED	DXC inlet bit error	19039
UNIDENTIFIED	Card isolated	19040
UNIDENTIFIED	Card anomaly	19041
UNIDENTIFIED	Hot swap failure	19042
UNIDENTIFIED	Power input failure	19043

Table A-21 CTM GateWay/CORBA Mapping for the ONS 15302, ONS 15305, and ONS 15305 CTC (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Transmit degrade on laser	19044
UNIDENTIFIED	Transmit fail on laser	19045
UNIDENTIFIED	Port activated without mapping to an available VC-12	19046
UNIDENTIFIED	Differential VC12 delay for the WAN port is greater than +/- 2 ms	19047
UNIDENTIFIED	Rx buffer overflow in LAN or link interface	19048
UNIDENTIFIED	Interport queue overflow in LAN or link interface	19049
UNIDENTIFIED	Reset of the router/bridge required	19050
UNIDENTIFIED	Device aborted FTP session	19051
UNIDENTIFIED	Automatic switchover to backup link, main link fault	19052
UNIDENTIFIED	Overflow layer 2 forward table	19053
UNIDENTIFIED	Connection failed: frame relay switch and WAN gate	19054
UNIDENTIFIED	Connection established: frame relay switch and WAN gate	19055
UNIDENTIFIED	Error occurred during initialization	19056
UNIDENTIFIED	Overflow in the client table	19057
UNIDENTIFIED	Server not responding to dispatcher polling	19058
UNIDENTIFIED	SNMP SET request was rejected	19059
UNIDENTIFIED	Ping sequence completed	19060
UNIDENTIFIED	Backup taken over for main server or server up after failure	19061
UNIDENTIFIED	DHCP failed to allocate IP address to requesting host	19062
UNIDENTIFIED	Overflow IGMP table	19063
UNIDENTIFIED	Overflow PIM table	19064
UNIDENTIFIED	Overflow condition in routing table	19065
UNIDENTIFIED	Open gate IPX RIP table overflow	19066
UNIDENTIFIED	Open gate IPX SAP table overflow	19067
UNIDENTIFIED	FACS state NE with operation blockAndReport	19068
UNIDENTIFIED	Zero hop routing connections table overflow	19069
UNIDENTIFIED	No available IP virtual address	19070
UNIDENTIFIED	Virtual IP address appeared as a source IP	19071
UNIDENTIFIED	Source IP address sent an ARP specifying a virtual IP	19072
UNIDENTIFIED	PPP link got an unrecognized secret	19073
UNIDENTIFIED	FR DLCI status change	19074
UNIDENTIFIED	CHAP failed communication	19075
UNIDENTIFIED	IP SFFT overflow	19076
UNIDENTIFIED	IP NFFT overflow	19077
UNIDENTIFIED	IPX SFFT overflow	19078

Table A-21 CTM GateWay/CORBA Mapping for the ONS 15302, ONS 15305, and ONS 15305 CTC (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	IPX NFFT overflow	19079
UNIDENTIFIED	IPM FFT overflow	19080
UNIDENTIFIED	PAP failed communication	19081
UNIDENTIFIED	Automatic switchover to backup link, main link fault	19082
UNIDENTIFIED	Informational event	19083
UNIDENTIFIED	T0 sync switch	19084
UNIDENTIFIED	T0QI failed	19085
UNIDENTIFIED	T0QIDnu	19086
UNIDENTIFIED	Switch to protection	19087
UNIDENTIFIED	Switch to working	19088
UNIDENTIFIED	MSP command timeout	19089
UNIDENTIFIED	MSP command overruled	19090
UNIDENTIFIED	Loop closed	19091
UNIDENTIFIED	Loop opened	19092
UNIDENTIFIED	Link up	19093
UNIDENTIFIED	Link down	19094
UNIDENTIFIED	The communication link has come up	19095
UNIDENTIFIED	Failure in communication link	19096
UNIDENTIFIED	Addressee of a protocol message not properly authenticated	19097
UNIDENTIFIED	Reinitializing; configuration or the protocol entity implementation may be altered	19098
UNIDENTIFIED	Reinitializing; neither configuration nor protocol entity implementation altered	19099
UNIDENTIFIED	RMON alarm has crossed the rising threshold	19100
UNIDENTIFIED	RMON alarm has crossed the falling threshold	19101
UNIDENTIFIED	Loss of an adjacency with a PIM neighbor	19102
UNIDENTIFIED	Device finished TFTP transaction	19103
UNIDENTIFIED	Device initiated TFTP transaction	19104
UNIDENTIFIED	Auto configuration completed successfully	19105
UNIDENTIFIED	VLAN port dynamically added	19106
UNIDENTIFIED	VLAN port dynamically changed	19107
UNIDENTIFIED	Physical description device changed	19108
UNIDENTIFIED	Port transition from learning to forwarding	19109
UNIDENTIFIED	Port transition from forwarding to learning	19110
UNIDENTIFIED	Packet drop due to the QoS policy	19111
UNIDENTIFIED	Packet forwarded based on the QoS policy	19112

Table A-21 CTM GateWay/CORBA Mapping for the ONS 15302, ONS 15305, and ONS 15305 CTC (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Protection link activated	19113
UNIDENTIFIED	Working link activated	19114
UNIDENTIFIED	MSP command timeout	19115
UNIDENTIFIED	MSP command overruled	19116
UNIDENTIFIED	Loss of external synchronization	19117
UNIDENTIFIED	ONS 1530x condition unknown	19999

A.5.6 CTM GateWay/CORBA Mapping—ONS 15327 and ONS 15454 SONET R4.1

The following table lists the CTM GateWay/CORBA mapping for the ONS 15327 and ONS 15454 SONET R4.1.

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Normal condition	25000
ENV	Failure detected external to the NE	25001
ENV	External error	25002
UNIDENTIFIED	Excessive switching	25003
UNIDENTIFIED	Incoming failure condition	25004
AIS	Alarm indication signal	25005
AIS	Alarm indication signal—line	25006
AIS	Alarm indication signal—path	25007
FOP_APS	APS channel failure	25008
FOP_APS	Byte failure	25009
FOP_APS	Protection switching channel match failure	25010
FOP_APS	Automatic protection switch mode mismatch	25011
FOP_APS	Far-end protection line failure	25012
UNIDENTIFIED	Bipolar violation	25013
UNIDENTIFIED	Carrier loss on the LAN	25014
UNIDENTIFIED	STS concatenation error	25015
UNIDENTIFIED	Excess collisions on the LAN	25016
UNIDENTIFIED	Facility failure	25017
UNIDENTIFIED	Far-end block error	25018
LOF	Loss of frame	25019
LOP	Loss of pointer	25020

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
LOP	Loss of pointer—path	25021
LOS	Loss of signal	25022
UNIDENTIFIED	Out of frame	25023
UNIDENTIFIED	Path selector failure	25024
RAI	Remote alarm indication	25025
RAI	Remote failure indication	25026
RAI	Remote failure indication—line	25027
RAI	Remote failure indication—path	25028
BER_SD	Signal degrade	25029
UNIDENTIFIED	Severely errored frame	25030
UNIDENTIFIED	Invalid alarm	25031
BER_SF	Signal failure	25032
UNIDENTIFIED	Signal label mismatch failures	25033
UNIDENTIFIED	Payload defect indication	25034
UNIDENTIFIED	Payload defect indication—path	25035
PLM	Payload label mismatch—path	25036
UNEQ	Unequipped—path	25037
UNIDENTIFIED	Loss of synchronization	25038
UNIDENTIFIED	Out of synchronization	25039
UNIDENTIFIED	Primary synchronization reference failure	25040
UNIDENTIFIED	Secondary synchronization reference failure	25041
UNIDENTIFIED	Third synchronization reference failure	25042
UNIDENTIFIED	Fourth synchronization reference failure	25043
UNIDENTIFIED	Fifth synchronization reference failure	25044
UNIDENTIFIED	Sixth synchronization reference failure	25045
UNIDENTIFIED	Outgoing failure condition	25046
RAI	Remote defect indication—line	25047
RAI	Remote defect indication—path	25048
UNIDENTIFIED	Free running synchronization mode	25049
UNIDENTIFIED	Holdover synchronization mode	25050
EQPT	Internal fault	25051
UNIDENTIFIED	Internal error	25052
UNIDENTIFIED	Internal message error	25053
UNIDENTIFIED	Mismatch of equipment and attributes	25054
UNIDENTIFIED	Watchdog timer timeout	25055

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
ENV	Software fault or failure	25056
ENV	Software fault—data integrity fault	25057
UNIDENTIFIED	Program failure	25058
EQPT	Control equipment failure	25059
EQPT	Control processor failure	25060
EQPT	Working memory failure	25061
EQPT	Interconnection equipment failure	25062
EQPT	Time slot interchange equipment failure	25063
EQPT	Equipment failure	25064
EQPT	High temperature	25065
EQPT	Facility termination equipment failure	25066
EQPT	Automatic laser shutdown	25067
UNIDENTIFIED	Failure to release from protection	25068
EQPT	Receiver failure	25069
EQPT	Transmit failure	25070
UNIDENTIFIED	Failure to switch to protection	25071
UNIDENTIFIED	Equipment unit plug-in	25072
UNIDENTIFIED	Internal power failure	25073
UNIDENTIFIED	Fuse alarm	25074
UNIDENTIFIED	Synchronization unit failure	25075
UNIDENTIFIED	Synchronization switching equipment failure	25076
EQPT	Equipment unit unplugged	25077
EQPT	Manually caused abnormal condition	25078
UNIDENTIFIED	Manual alarm cutoff	25079
UNIDENTIFIED	Procedural error	25080
EQPT	Improper removal	25081
UNIDENTIFIED	Protection unit not available	25082
UNIDENTIFIED	Protection switch	25083
UNIDENTIFIED	Recovery or service protection action has been initiated	25084
UNIDENTIFIED	Automatic system reset	25085
UNIDENTIFIED	Cold restart	25086
UNIDENTIFIED	Forced switch back to working	25087
UNIDENTIFIED	Forced switch to protection	25088
UNIDENTIFIED	Initialization initiated	25089
UNIDENTIFIED	Lockout of protection	25090

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Lockout of working	25091
UNIDENTIFIED	Manual system reset	25092
UNIDENTIFIED	Manual switch to internal clock	25093
UNIDENTIFIED	Manual switch to primary reference	25094
UNIDENTIFIED	Manual switch to secondary reference	25095
UNIDENTIFIED	Manual switch to third reference	25096
UNIDENTIFIED	Manual switch to fourth reference	25097
UNIDENTIFIED	Manual switch to fifth reference	25098
UNIDENTIFIED	Manual switch to sixth reference	25099
UNIDENTIFIED	Manual switch back to working	25100
UNIDENTIFIED	Manual switch to protection	25101
UNIDENTIFIED	Power fail restart	25102
UNIDENTIFIED	Software download in progress	25103
UNIDENTIFIED	Switch to internal clock	25104
UNIDENTIFIED	Switch to primary reference	25105
UNIDENTIFIED	Switch to secondary reference	25106
UNIDENTIFIED	Switch to third reference	25107
UNIDENTIFIED	Switch to fourth reference	25108
UNIDENTIFIED	Switch to fifth reference	25109
UNIDENTIFIED	Switch to sixth reference	25110
UNIDENTIFIED	Switched back to working	25111
UNIDENTIFIED	Switched to protection	25112
UNIDENTIFIED	Warm restart	25113
UNIDENTIFIED	Ring is in wait-to-restore state	25114
EQPT	Primary nonvolatile backup memory failure	25115
EQPT	Secondary nonvolatile backup memory failure	25116
EQPT	Control bus failure	25117
EQPT	Control communications equipment failure	25118
UNIDENTIFIED	Loopback	25119
UNIDENTIFIED	Loopback, network	25120
UNIDENTIFIED	Loopback, terminal	25121
EQPT	Fan failure	25122
DCC_FAILURE	SDCC termination failure	25123
UNIDENTIFIED	Loopback facility	25124
EQPT	Payload bus failure to I/O slot 1 (XCON slot 8)	25125

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Payload bus failure to I/O slot 2 (XCON slot 8)	25126
EQPT	Payload bus failure to I/O slot 3 (XCON slot 8)	25127
EQPT	Payload bus failure to I/O slot 4 (XCON slot 8)	25128
EQPT	Payload bus failure to I/O slot 5 (XCON slot 8)	25129
EQPT	Payload bus failure to I/O slot 6 (XCON slot 8)	25130
EQPT	Payload bus failure to I/O slot 12 (XCON slot 8)	25131
EQPT	Payload bus failure to I/O slot 13 (XCON slot 8)	25132
EQPT	Payload bus failure to I/O slot 14 (XCON slot 8)	25133
EQPT	Payload bus failure to I/O slot 15 (XCON slot 8)	25134
EQPT	Payload bus failure to I/O slot 16 (XCON slot 8)	25135
EQPT	Payload bus failure to I/O slot 17 (XCON slot 8)	25136
EQPT	Payload bus failure to I/O slot 1 (XCON slot 10)	25137
EQPT	Payload bus failure to I/O slot 2 (XCON slot 10)	25138
EQPT	Payload bus failure to I/O slot 3 (XCON slot 10)	25139
EQPT	Payload bus failure to I/O slot 4 (XCON slot 10)	25140
EQPT	Payload bus failure to I/O slot 5 (XCON slot 10)	25141
EQPT	Payload bus failure to I/O slot 6 (XCON slot 10)	25142
EQPT	Payload bus failure to I/O slot 12 (XCON slot 10)	25143
EQPT	Payload bus failure to I/O slot 13 (XCON slot 10)	25144
EQPT	Payload bus failure to I/O slot 14 (XCON slot 10)	25145
EQPT	Payload bus failure to I/O slot 15 (XCON slot 10)	25146
EQPT	Payload bus failure to I/O slot 16 (XCON slot 10)	25147
EQPT	Payload bus failure to I/O slot 17 (XCON slot 10)	25148
EQPT	Control bus 1 failure	25149
EQPT	Control bus 2 failure	25150
EQPT	Invalid MAC address	25151
EQPT	Board failure	25152
EQPT	Diagnostics failure	25153
EQPT	Medium access control failure	25154
UNIDENTIFIED	Duplicate node ID	25155
UNIDENTIFIED	Failure to switch to protection—ring	25156
UNIDENTIFIED	Failure to switch to protection—span	25157
UNIDENTIFIED	Manual switch back to working—ring	25158
UNIDENTIFIED	Manual switch back to working—span	25159
UNIDENTIFIED	Manual switch to protection—ring	25160

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Manual switch to protection—span	25161
UNIDENTIFIED	Forced switch back to working—ring	25162
UNIDENTIFIED	Forced switch back to working—span	25163
UNIDENTIFIED	Forced switch to protection—ring	25164
UNIDENTIFIED	Forced switch to protection—span	25165
UNIDENTIFIED	Lockout of protection—ring	25166
UNIDENTIFIED	Lockout of protection—span	25167
UNIDENTIFIED	Lockout of working—ring	25168
UNIDENTIFIED	Lockout of working—span	25169
UNIDENTIFIED	Ring is squelching traffic	25170
FOP_APS	Inconsistent APS code	25171
FOP_APS	Node ID mismatch	25172
FOP_APS	Default K byte	25173
FOP_APS	Connection loss	25174
EQPT	TCC A to shelf slot 1 (DROP 1) communication failure	25175
EQPT	TCC A to shelf slot 2 (DROP 2) communication failure	25176
EQPT	TCC A to shelf slot 3 (DROP 3) communication failure	25177
EQPT	TCC A to shelf slot 4 (DROP 4) communication failure	25178
EQPT	TCC A to shelf slot 5 (TRUNK 1) communication failure	25179
EQPT	TCC A to shelf slot 6 (TRUNK 2) communication failure	25180
EQPT	TCC A to shelf slot 7 (TCC A) communication failure	25181
EQPT	TCC A to shelf slot 8 (XCON A) communication failure	25182
EQPT	TCC A to shelf slot 9 (AIC) communication failure	25183
EQPT	TCC A to shelf slot 10 (XCON B) communication failure	25184
EQPT	TCC A to shelf slot 11 (TCC B) communication failure	25185
EQPT	TCC A to shelf slot 12 (TRUNK 3) communication failure	25186
EQPT	TCC A to shelf slot 13 (TRUNK 4) communication failure	25187
EQPT	TCC A to shelf slot 14 (DROP 5) communication failure	25188
EQPT	TCC A to shelf slot 15 (DROP 6) communication failure	25189
EQPT	TCC A to shelf slot 16 (DROP 7) communication failure	25190
EQPT	TCC A to shelf slot 17 (DROP 8) communication failure	25191
EQPT	TCC A to DCC A processor communication failure	25192
EQPT	TCC B to shelf slot 1 (DROP 1) communication failure	25193
EQPT	TCC B to shelf slot 2 (DROP 2) communication failure	25194
EQPT	TCC B to shelf slot 3 (DROP 3) communication failure	25195

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	TCC B to shelf slot 4 (DROP 4) communication failure	25196
EQPT	TCC B to shelf slot 5 (TRUNK 1) communication failure	25197
EQPT	TCC B to shelf slot 6 (TRUNK 2) communication failure	25198
EQPT	TCC B to shelf slot 7 (TCC A) communication failure	25199
EQPT	TCC B to shelf slot 8 (XCON A) communication failure	25200
EQPT	TCC B to shelf slot 9 (AIC) communication failure	25201
EQPT	TCC B to shelf slot 10 (XCON B) communication failure	25202
EQPT	TCC B to shelf slot 11 (TCC B) communication failure	25203
EQPT	TCC B to shelf slot 12 (TRUNK 3) communication failure	25204
EQPT	TCC B to shelf slot 13 (TRUNK 4) communication failure	25205
EQPT	TCC B to shelf slot 14 (DROP 5) communication failure	25206
EQPT	TCC B to shelf slot 15 (DROP 6) communication failure	25207
EQPT	TCC B to shelf slot 16 (DROP 7) communication failure	25208
EQPT	TCC B to shelf slot 17 (DROP 8) communication failure	25209
EQPT	TCC B to DCC B processor communication failure	25210
UNIDENTIFIED	Fast start synchronization mode	25211
FOP_APS	Improper APS code	25212
UNIDENTIFIED	BLSR out of sync	25213
AIS	Alarm indication signal—VT	25214
RAI	Remote failure indication—VT	25215
PLM	Signal label mismatch failure—payload label mismatch—VT	25216
UNEQ	Signal label mismatch failure—unequipped—VT	25217
UNIDENTIFIED	Peer state mismatch	25218
EQPT	Facility termination equipment—receiver missing	25219
EQPT	Facility termination equipment—transmitter missing	25220
LOP	Loss of pointer—VT	25221
UNIDENTIFIED	Embedded operations channel failure—link down	25222
UNIDENTIFIED	Failed to receive synchronization status message	25223
UNIDENTIFIED	Synchronization status messages are disabled on this interface	25224
UNIDENTIFIED	Primary reference source—stratum 1 traceable	25225
UNIDENTIFIED	Synchronized—traceability unknown	25226
UNIDENTIFIED	Stratum 2 traceable	25227
UNIDENTIFIED	Transit node clock traceable	25228
UNIDENTIFIED	Stratum 3E traceable	25229
UNIDENTIFIED	Stratum 3 traceable	25230

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	SONET minimum clock traceable	25231
UNIDENTIFIED	Stratum 4 traceable	25232
UNIDENTIFIED	Do not use for synchronization	25233
UNIDENTIFIED	Reserved for network synchronization use	25234
UNIDENTIFIED	Failure to switch to protection—path	25235
UNIDENTIFIED	Manual switch of working facility—equipment to protection—path	25236
UNIDENTIFIED	Working facility—equipment forced to switch to protection—path	25237
UNIDENTIFIED	Lockout of protection—path	25238
UNIDENTIFIED	Automatic path-protection switch caused by AIS	25239
UNIDENTIFIED	Automatic path-protection switch caused by LOP	25240
UNIDENTIFIED	Automatic path-protection switch caused by UNEQ	25241
UNIDENTIFIED	Automatic path-protection switch caused by PDI	25242
UNIDENTIFIED	Automatic path-protection switch caused by SFBER	25243
UNIDENTIFIED	Automatic path-protection switch caused by SDBER	25244
UNIDENTIFIED	DS3 idle condition	25245
UNIDENTIFIED	DS1 loopback due to FEAC command	25246
UNIDENTIFIED	DS1 loopback command sent to far end	25247
UNIDENTIFIED	DS3 loopback due to FEAC command	25248
UNIDENTIFIED	DS3 loopback command sent to far end	25249
UNIDENTIFIED	DS2 loopback due to far-end command	25250
UNIDENTIFIED	DS2 loopback command sent to far end	25251
ENV	Far-end AIS	25252
UNIDENTIFIED	Far-end multiple DS1 LOS detected on DS3	25253
ENV	Far-end DS1 equipment failure—non-service affecting	25254
ENV	Far-end DS1 equipment failure—service affecting	25255
ENV	Far-end single DS1 LOS	25256
ENV	Far-end DS3 equipment failure—non-service affecting	25257
ENV	Far-end DS3 equipment failure—service affecting	25258
ENV	Far-end common equipment failure—non-service affecting	25259
UNIDENTIFIED	Far end idle	25260
ENV	Far end LOS	25261
ENV	Far end LOF	25262
UNIDENTIFIED	Performance monitor threshold crossing alert	25263
UNIDENTIFIED	Ethernet bridge is new root of spanning tree	25264

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Ethernet bridge topology change	25265
UNIDENTIFIED	BLSR tables resynchronized	25266
ENV	System reboot	25267
UNIDENTIFIED	Manual switch request on facility—equipment	25268
UNIDENTIFIED	Forced switch request on facility or equipment	25269
UNIDENTIFIED	Lockout switch request on facility—equipment	25270
UNIDENTIFIED	RMON histories and alarms reset reboot	25271
UNIDENTIFIED	RMON alarm	25272
LOS	Video interface card loss of video IF signal	25273
LOS	VIC loss of video baseband signal	25274
LOS	VIC loss of audio FM signal	25275
LOS	VIC loss of audio baseband channel 1 signal	25276
LOS	VIC loss of audio baseband channel 2 signal	25277
LOS	VIC loss of audio baseband channel 3 signal	25278
LOS	VIC loss of audio baseband channel 4 signal	25279
TIM	STS path trace identifier mismatch	25280
ENV	NE power failure at connector A	25281
ENV	NE power failure at connector B	25282
UNIDENTIFIED	Free memory on card very low	25283
UNIDENTIFIED	Free memory on card near zero	25284
UNIDENTIFIED	Exercise request on ring	25285
UNIDENTIFIED	Exercise request on span	25286
UNIDENTIFIED	Squelching path	25287
UNIDENTIFIED	Extra traffic preempted	25288
UNIDENTIFIED	Far-end lockout of working—ring	25289
UNIDENTIFIED	Far-end lockout of working—span	25290
UNIDENTIFIED	Far-end lockout of protection—ring	25291
UNIDENTIFIED	Far-end lockout of protection—all spans	25292
UNIDENTIFIED	Far-end working facility forced to switch to protection—ring	25293
UNIDENTIFIED	Far-end working facility forced to switch to protection—span	25294
UNIDENTIFIED	Far-end manual switch of working facility to protection—ring	25295
UNIDENTIFIED	Far-end manual switch of working facility to protection—span	25296
UNIDENTIFIED	Far-end exercising ring	25297
UNIDENTIFIED	Far-end exercising span	25298
ENV	Far-end BER threshold passed for signal failure—ring	25299

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
ENV	Far-end BER threshold passed for signal failure—span	25300
ENV	Far-end BER threshold passed for signal degrade—ring	25301
ENV	Far-end BER threshold passed for signal degrade—span	25302
ENV	APS channel—far-end protection line signal degrade	25303
UNIDENTIFIED	Ring switch is active on the east side	25304
UNIDENTIFIED	Ring switch is active on the west side	25305
UNIDENTIFIED	Span switch is active on the east side	25306
UNIDENTIFIED	Span switch is active on the west side	25307
UNIDENTIFIED	Unidirectional full pass-through is active	25308
UNIDENTIFIED	Bidirectional full pass-through is active	25309
UNIDENTIFIED	K bytes pass-through is active	25310
UNIDENTIFIED	Ring is segmented	25311
UNIDENTIFIED	Ring topology is under construction	25312
UNIDENTIFIED	Lockout of protection—all spans	25313
UNIDENTIFIED	Far-end of fiber is provisioned with different ring ID	25314
UNIDENTIFIED	Both ends of fiber provisioned as east or both as west	25315
SECURITY_VIOLATION	Security—invalid login—see audit trail	25316
UNIDENTIFIED	Autonomous messages inhibited	25317
UNIDENTIFIED	Traffic storm on LAN; LAN temporarily disabled	25318
UNIDENTIFIED	REPT^DBCHG messages inhibited	25319
SECURITY_VIOLATION	Security—user ID has expired	25320
EQPT	Partial fan failure	25321
UNIDENTIFIED	Force switch request on ring	25322
UNIDENTIFIED	Force switch request on span	25323
UNIDENTIFIED	Lockout switch request on ring	25324
UNIDENTIFIED	Lockout switch request on span	25325
UNIDENTIFIED	Manual switch request on ring	25326
UNIDENTIFIED	Manual switch request on span	25327
EQPT	Peer-to-peer slot communication failure	25328
EQPT	Peer-to-peer slot communication failure	25329
EQPT	TCC A to shelf slot communication failure	25330
EQPT	TCC B to shelf slot communication failure	25331
EQPT	Interconnection equipment failure—working XC payload bus	25332
EQPT	Interconnection equipment failure—protect XC payload bus	25333
EQPT	Inhibit switch to protect request on equipment	25334

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Inhibit switch to working request on equipment	25335
BER_SD	BER threshold exceeded for signal degrade—line	25336
BER_SD	BER threshold exceeded for signal degrade—path	25337
BER_SF	BER threshold exceeded for signal failure—line	25338
BER_SF	BER threshold exceeded for signal failure—path	25339
UNIDENTIFIED	Exercising ring successfully	25340
UNIDENTIFIED	Exercising span successfully	25341
UNIDENTIFIED	Span is in wait-to-restore state	25342
EQPT	Peer card not responding	25343
UNIDENTIFIED	Exercise request on ring failed	25344
UNIDENTIFIED	Exercise request on span failed	25345
UNIDENTIFIED	Far-end lockout of protection—span	25346
EQPT	Manufacturing data memory (EEPROM) failure	25347
EQPT	Replaceable equipment/unit is missing	25348
ENV	Software download failure	25349
TIM	TIM section—trace identifier mismatch failure	25350
AIS	AIS—multiplex section—alarm indication signal	25351
RAI	RFI—multiplex section—remote failure/alarm indication	25352
TIM	TIM—high order—trace identifier mismatch failure	25353
AU_AIS	AIS—administration unit—alarm indication signal	25354
LOP	LOP—administration unit—loss of pointer	25355
UNEQ	SLMF—unequipped high order—path unequipped	25356
PLM	SLMF—PLM high order—path label mismatch	25357
RAI	RFI—high order—remote failure/alarm indication	25358
LOP	LOP—tributary unit—loss of pointer	25359
TU-AIS	AIS—tributary unit—alarm indication signal	25360
UNEQ	SLMF—unequipped low order—path unequipped	25361
PLM	SLMF—PLM low order—path label mismatch	25362
TIM	TIM low order—trace identifier mismatch failure	25363
RAI	RFI—low order—remote failure/alarm indication	25364
UNIDENTIFIED	G811—primary reference clock traceable	25365
UNIDENTIFIED	G812—transit node clock traceable	25366
UNIDENTIFIED	G812—local node clock traceable	25367
UNIDENTIFIED	G813—synchronous equipment timing source traceable	25368
UNIDENTIFIED	E1 loopback due to FEAC command	25369

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	E1 loopback command sent to far end	25370
UNIDENTIFIED	E3 loopback due to FEAC command	25371
ENV	Far-end multiple E1 LOS detected on E3	25372
ENV	Far-end E1 equipment failure non-service affecting	25373
ENV	Far-end E1 equipment failure service affecting	25374
ENV	Far-end single E1 LOS	25375
ENV	Far-end E3 equipment failure service affecting	25376
UNIDENTIFIED	E3 loopback command sent to far end	25377
ENV	Far-end E3 equipment failure non-service affecting	25378
ENV	Low voltage—battery A	25379
ENV	High voltage—battery A	25380
ENV	Low voltage—battery B	25381
ENV	High voltage—battery B	25382
UNIDENTIFIED	Procedural error—MS-SPRing out of sync	25383
UNIDENTIFIED	MS-SPRing tables resynchronized	25384
UNIDENTIFIED	Automatic SNCP switch caused by AIS	25385
UNIDENTIFIED	Automatic SNCP switch caused by LOP	25386
UNIDENTIFIED	Automatic SNCP switch caused by UNEQ	25387
UNIDENTIFIED	Automatic SNCP switch caused by PDI	25388
UNIDENTIFIED	Automatic SNCP switch caused by SFBER	25389
UNIDENTIFIED	Automatic SNCP switch caused by SDBER	25390
UNIDENTIFIED	STM concatenation error	25391
UNIDENTIFIED	E3 idle condition	25392
UNIDENTIFIED	IOS config copy failed	25393
UNIDENTIFIED	IOS config copy in progress	25394
UNIDENTIFIED	Alarms suppressed by user command	25399
UNIDENTIFIED	Alarms suppressed for maintenance	25400
UNIDENTIFIED	N/A	25401
UNIDENTIFIED	Synchronization reference frequency out of bounds	25402
UNIDENTIFIED	Ether Tx excess flow control	25403
UNIDENTIFIED	Ether Tx oversubscribed	25404
UNIDENTIFIED	Transport layer failure	25405
UNIDENTIFIED	Ether Rx excess flow control	25406
UNIDENTIFIED	Ether Rx oversubscribed	25407
UNIDENTIFIED	Ether Tx underrun	25408

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	SNTP host failure	25409
UNIDENTIFIED	DS3 frame format mismatch	25410
UNIDENTIFIED	Alarms/events suppressed for this object	25411
BER_SD	BER threshold exceeded for signal degrade—high order	25412
BER_SF	BER threshold exceeded for signal failure—high order	25413
BER_SD	BER threshold exceeded for signal degrade—low order	25414
BER_SF	BER threshold exceeded for signal failure—low order	25415
UNIDENTIFIED	Failure to switch to protection—high order path	25416
UNIDENTIFIED	Failure to switch to protection—low order path	25417
UNIDENTIFIED	Wait to restore	25418
ENV	Extreme high voltage—battery A	25419
ENV	Extreme low voltage—battery A	25420
ENV	Extreme high voltage—battery B	25421
ENV	Extreme low voltage—battery B	25422
UNIDENTIFIED	Switching matrix module failure	25423
UNIDENTIFIED	Signaling unable to set up circuit	25424
UNIDENTIFIED	RSVP hello FSM to neighbor down	25425
UNIDENTIFIED	LMP hello FSM to control channel down	25426
UNIDENTIFIED	LMP neighbor discovery has failed	25427
UNIDENTIFIED	Unauthorized incoming signaling request	25428
UNIDENTIFIED	Signaled circuit going down	25429
UNIDENTIFIED	Autonomous PM report message inhibited	25430
EQPT	I/O slot to XCON communication failure	25431
UNIDENTIFIED	Forced switch to primary reference	25432
UNIDENTIFIED	Forced switch to secondary reference	25433
UNIDENTIFIED	Forced switch to third reference	25434
UNIDENTIFIED	Forced switch to internal clock	25435
LOM	LOF—administration unit—loss of multiframe	25436
UNIDENTIFIED	Admin logout of user	25438
UNIDENTIFIED	User locked out	25439
UNIDENTIFIED	Admin lockout of user	25440
UNIDENTIFIED	Admin lockout clear	25441
SECURITY_VIOLATION	Security—invalid login—username—see audit log	25442
SECURITY_VIOLATION	Security—invalid login—password—see audit log	25443
SECURITY_VIOLATION	Security—invalid login—locked out—see audit log	25444

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
SECURITY_VIOLATION	Security—invalid login—already logged on—see audit log	25445
UNIDENTIFIED	Login of user	25446
UNIDENTIFIED	Automatic logout of idle user	25447
UNIDENTIFIED	Logout of user	25448
UNIDENTIFIED	Cross-connect loopback	25451
UNIDENTIFIED	Error in startup config	25454
UNIDENTIFIED	No startup config	25455
EQPT	Laser approaching end of life	25456
UNIDENTIFIED	Database backup failed	25457
UNIDENTIFIED	Database restore failed	25458
UNIDENTIFIED	8B10B out of sync	25459
AIS	ODUk—alarm indication signal	25460
AIS	OTUk—alarm indication signal	25461
UNIDENTIFIED	OTUk—backward defect indicator	25462
UNIDENTIFIED	ODUk—backward defect indicator	25463
UNIDENTIFIED	FEC uncorrected word	25464
UNIDENTIFIED	GCC embedded operation channel failure	25465
UNIDENTIFIED	OTUk—incoming alignment error	25466
UNIDENTIFIED	ODUk—locked defect—PM	25467
LOM	Loss of multiframe	25468
UNIDENTIFIED	ODUk—open connection indication	25469
PLM	Payload type identifier mismatch	25470
TIM	ODUk—trail trace identifier mismatch	25471
TIM	OTUk—trail trace identifier mismatch	25472
EQPT	Equipment high laser bias	25473
EQPT	Equipment high laser temp	25474
EQPT	Equipment high laser Peltier	25475
EQPT	Equipment high Rx power	25476
EQPT	Equipment high Tx power	25477
EQPT	Equipment high Rx temperature	25478
EQPT	Equipment low Tx temperature	25479
EQPT	Equipment high transceiver voltage	25480
EQPT	Equipment low laser bias	25481
EQPT	Equipment low laser temp	25482
EQPT	Equipment low laser Peltier	25483

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Equipment low Rx power	25484
EQPT	Equipment low Tx power	25485
EQPT	Equipment low transceiver voltage	25486
EQPT	Equipment Rx locked	25487
EQPT	Equipment squelched	25488
EQPT	Equipment Tx locked	25489
BER_SF	OTUk—signal failure	25490
BER_SF	ODUk—signal failure	25491
BER_SD	OTUk—signal degrade	25492
BER_SD	ODUk—signal degrade	25493
UNIDENTIFIED	Pluggable port missing	25494
UNIDENTIFIED	Pluggable port rate mismatch	25495
SECURITY_VIOLATION	Pluggable port security code mismatch	25496
UNIDENTIFIED	TCI not selected	25497
UNIDENTIFIED	TCI 1 clock failure	25498
UNIDENTIFIED	ODUk—backward defect indicator	25499
UNIDENTIFIED	ODUk—backward defect indicator	25500
UNIDENTIFIED	ODUk—backward defect indicator	25501
UNIDENTIFIED	ODUk—open connection indication	25504
UNIDENTIFIED	ODUk—locked defect—TCM2	25505
AIS	ODUk—alarm indication signal	25506
TIM	ODUk—trail trace identifier mismatch	25507
BER_SD	ODUk—signal degrade—TCM2	25508
BER_SF	ODUk—signal failure—TCM2	25509
UNIDENTIFIED	ODUk—open connection indication	25510
UNIDENTIFIED	ODUk—locked defect—TCM1	25511
AIS	ODUk—alarm indication signal	25512
TIM	ODUk—trail trace identifier mismatch	25513
BER_SD	ODUk—signal degrade—TCM1	25514
BER_SF	ODUk—signal failure—TCM1	25515
LOF	OTUk—loss of frame	25516
UNIDENTIFIED	TCI 2 clock failure	25517
UNIDENTIFIED	Audit log 80 percent full	25518
UNIDENTIFIED	Module communication failure	25519
UNIDENTIFIED	Need to save running config	25520

Table A-22 CTM GateWay/CORBA Mapping for the ONS 15327 and ONS 15454 SONET R4.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Audit log 100 percent full; oldest records will be lost	25521
UNIDENTIFIED	Standby database out of sync	25522
EQPT	Redundant power capability lost	25523
EQPT	Equipment wavelength mismatch	25524
UNIDENTIFIED	DSP communication failure	25525
UNIDENTIFIED	DSP failure	25526
UNIDENTIFIED	Loss of channel	25527
UNIDENTIFIED	FEC mismatch	25528
UNIDENTIFIED	LAN connection polarity reversed	25529
UNIDENTIFIED	Enhanced remote failure indication—path—server	25530
UNIDENTIFIED	Enhanced remote failure indication—path—connectivity	25531
UNIDENTIFIED	Enhanced remote failure indication—path—payload	25532
SECURITY_VIOLATION	Security violation detected	25533
UNIDENTIFIED	Syslog messages	28000
UNIDENTIFIED	Configuration events	28001
UNIDENTIFIED	Link up/link down trap	28002
UNIDENTIFIED	Cold/warm start trap	28003
SECURITY_VIOLATION	Authentication failure notification	28004

A.5.7 CTM GateWay/CORBA Mapping—ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0

The following table lists the CTM GateWay/CORBA mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0.

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Normal condition	25000
ENV	Failure detected external to the NE	25001
ENV	External error	25002
UNIDENTIFIED	Excessive switching	25003
UNIDENTIFIED	Incoming failure condition	25004
AIS	Alarm indication signal	25005
AIS	Alarm indication signal—line	25006

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
AIS	Alarm indication signal—path	25007
FOP_APS	APS channel failure	25008
FOP_APS	Byte failure	25009
FOP_APS	Protection switching channel match failure	25010
FOP_APS	Automatic protection switch mode mismatch	25011
FOP_APS	Far-end protection line failure	25012
UNIDENTIFIED	Bipolar violation	25013
UNIDENTIFIED	Carrier loss on the LAN	25014
UNIDENTIFIED	STS concatenation error	25015
UNIDENTIFIED	Excess collisions on the LAN	25016
UNIDENTIFIED	Facility failure	25017
UNIDENTIFIED	Far-end block error	25018
LOF	Loss of frame	25019
LOP	Loss of pointer	25020
LOP	Loss of pointer—path	25021
LOS	Loss of signal	25022
UNIDENTIFIED	Out of frame	25023
UNIDENTIFIED	Path selector failure	25024
RAI	Remote alarm indication	25025
RAI	Remote failure indication	25026
RAI	Remote failure indication—line	25027
RAI	Remote failure indication—path	25028
BER_SD	Signal degrade	25029
UNIDENTIFIED	Severely errored frame	25030
UNIDENTIFIED	Invalid alarm	25031
BER_SF	Signal failure	25032
UNIDENTIFIED	Signal label mismatch failures	25033
UNIDENTIFIED	Payload defect indication	25034
UNIDENTIFIED	Payload defect indication—path	25035
PLM	Payload label mismatch—path	25036
UNEQ	Unequipped—path	25037
UNIDENTIFIED	Loss of synchronization	25038
UNIDENTIFIED	Out of synchronization	25039
UNIDENTIFIED	Primary synchronization reference failure	25040
UNIDENTIFIED	Secondary synchronization reference failure	25041

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Third synchronization reference failure	25042
UNIDENTIFIED	Fourth synchronization reference failure	25043
UNIDENTIFIED	Fifth synchronization reference failure	25044
UNIDENTIFIED	Sixth synchronization reference failure	25045
UNIDENTIFIED	Outgoing failure condition	25046
RAI	Remote defect indication—line	25047
RAI	Remote defect indication—path	25048
UNIDENTIFIED	Free running synchronization mode	25049
UNIDENTIFIED	Holdover synchronization mode	25050
EQPT	Internal fault	25051
UNIDENTIFIED	Internal error	25052
UNIDENTIFIED	Internal message error	25053
UNIDENTIFIED	Mismatch of equipment and attributes	25054
UNIDENTIFIED	Watchdog timer timeout	25055
ENV	Software fault or failure	25056
ENV	Software fault—data integrity fault	25057
UNIDENTIFIED	Program failure	25058
EQPT	Control equipment failure	25059
EQPT	Control processor failure	25060
EQPT	Working memory failure	25061
EQPT	Interconnection equipment failure	25062
EQPT	Time slot interchange equipment failure	25063
EQPT	Equipment failure	25064
EQPT	High temperature	25065
EQPT	Facility termination equipment failure	25066
EQPT	Automatic laser shutdown	25067
UNIDENTIFIED	Failure to release from protection	25068
EQPT	Receiver failure	25069
EQPT	Transmit failure	25070
UNIDENTIFIED	Failure to switch to protection	25071
UNIDENTIFIED	Equipment unit plug-in	25072
UNIDENTIFIED	Internal power failure	25073
UNIDENTIFIED	Fuse alarm	25074
UNIDENTIFIED	Synchronization unit failure	25075
UNIDENTIFIED	Synchronization switching equipment failure	25076

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Equipment unit unplugged	25077
EQPT	Manually caused abnormal condition	25078
UNIDENTIFIED	Manual alarm cutoff	25079
UNIDENTIFIED	Procedural error	25080
EQPT	Improper removal	25081
UNIDENTIFIED	Protection unit not available	25082
UNIDENTIFIED	Protection switch	25083
UNIDENTIFIED	Recovery or service protection action has been initiated	25084
UNIDENTIFIED	Automatic system reset	25085
UNIDENTIFIED	Cold restart	25086
UNIDENTIFIED	Forced switch back to working	25087
UNIDENTIFIED	Forced switch to protection	25088
UNIDENTIFIED	Initialization initiated	25089
UNIDENTIFIED	Lockout of protection	25090
UNIDENTIFIED	Lockout of working	25091
UNIDENTIFIED	Manual system reset	25092
UNIDENTIFIED	Manual switch to internal clock	25093
UNIDENTIFIED	Manual switch to primary reference	25094
UNIDENTIFIED	Manual switch to secondary reference	25095
UNIDENTIFIED	Manual switch to third reference	25096
UNIDENTIFIED	Manual switch to fourth reference	25097
UNIDENTIFIED	Manual switch to fifth reference	25098
UNIDENTIFIED	Manual switch to sixth reference	25099
UNIDENTIFIED	Manual switch back to working	25100
UNIDENTIFIED	Manual switch to protection	25101
UNIDENTIFIED	Powerfail restart	25102
UNIDENTIFIED	Software download in progress	25103
UNIDENTIFIED	Switch to internal clock	25104
UNIDENTIFIED	Switch to primary reference	25105
UNIDENTIFIED	Switch to secondary reference	25106
UNIDENTIFIED	Switch to third reference	25107
UNIDENTIFIED	Switch to fourth reference	25108
UNIDENTIFIED	Switch to fifth reference	25109
UNIDENTIFIED	Switch to sixth reference	25110
UNIDENTIFIED	Switched back to working	25111

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Switched to protection	25112
UNIDENTIFIED	Warm restart	25113
UNIDENTIFIED	Ring is in wait-to-restore state	25114
EQPT	Primary nonvolatile backup memory failure	25115
EQPT	Secondary nonvolatile backup memory failure	25116
EQPT	Control bus failure	25117
EQPT	Control communications equipment failure	25118
UNIDENTIFIED	Loopback	25119
UNIDENTIFIED	Loopback, network	25120
UNIDENTIFIED	Loopback, terminal	25121
EQPT	Fan failure	25122
DCC_FAILURE	SDCC termination failure	25123
UNIDENTIFIED	Loopback facility	25124
EQPT	Payload bus failure to I/O slot 1 (XCON slot 8)	25125
EQPT	Payload bus failure to I/O slot 2 (XCON slot 8)	25126
EQPT	Payload bus failure to I/O slot 3 (XCON slot 8)	25127
EQPT	Payload bus failure to I/O slot 4 (XCON slot 8)	25128
EQPT	Payload bus failure to I/O slot 5 (XCON slot 8)	25129
EQPT	Payload bus failure to I/O slot 6 (XCON slot 8)	25130
EQPT	Payload bus failure to I/O slot 12 (XCON slot 8)	25131
EQPT	Payload bus failure to I/O slot 13 (XCON slot 8)	25132
EQPT	Payload bus failure to I/O slot 14 (XCON slot 8)	25133
EQPT	Payload bus failure to I/O slot 15 (XCON slot 8)	25134
EQPT	Payload bus failure to I/O slot 16 (XCON slot 8)	25135
EQPT	Payload bus failure to I/O slot 17 (XCON slot 8)	25136
EQPT	Payload bus failure to I/O slot 1 (XCON slot 10)	25137
EQPT	Payload bus failure to I/O slot 2 (XCON slot 10)	25138
EQPT	Payload bus failure to I/O slot 3 (XCON slot 10)	25139
EQPT	Payload bus failure to I/O slot 4 (XCON slot 10)	25140
EQPT	Payload bus failure to I/O slot 5 (XCON slot 10)	25141
EQPT	Payload bus failure to I/O slot 6 (XCON slot 10)	25142
EQPT	Payload bus failure to I/O slot 12 (XCON slot 10)	25143
EQPT	Payload bus failure to I/O slot 13 (XCON slot 10)	25144
EQPT	Payload bus failure to I/O slot 14 (XCON slot 10)	25145
EQPT	Payload bus failure to I/O slot 15 (XCON slot 10)	25146

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Payload bus failure to I/O slot 16 (XCON slot 10)	25147
EQPT	Payload bus failure to I/O slot 17 (XCON slot 10)	25148
EQPT	Control bus 1 failure	25149
EQPT	Control bus 2 failure	25150
EQPT	Invalid MAC address	25151
EQPT	Board failure	25152
EQPT	Diagnostics failure	25153
EQPT	Medium access control failure	25154
UNIDENTIFIED	Duplicate node ID	25155
UNIDENTIFIED	Failure to switch to protection—ring	25156
UNIDENTIFIED	Failure to switch to protection—span	25157
UNIDENTIFIED	Manual switch back to working—ring	25158
UNIDENTIFIED	Manual switch back to working—span	25159
UNIDENTIFIED	Manual switch to protection—ring	25160
UNIDENTIFIED	Manual switch to protection—span	25161
UNIDENTIFIED	Forced switch back to working—ring	25162
UNIDENTIFIED	Forced switch back to working—span	25163
UNIDENTIFIED	Forced switch to protection—ring	25164
UNIDENTIFIED	Forced switch to protection—span	25165
UNIDENTIFIED	Lockout of protection—ring	25166
UNIDENTIFIED	Lockout of protection—span	25167
UNIDENTIFIED	Lockout of working—ring	25168
UNIDENTIFIED	Lockout of working—span	25169
UNIDENTIFIED	Ring is squelching traffic	25170
FOP_APS	Inconsistent APS code	25171
FOP_APS	Node ID mismatch	25172
FOP_APS	Default K byte	25173
FOP_APS	Connection loss	25174
EQPT	TCC A to shelf slot 1 (DROP 1) communication failure	25175
EQPT	TCC A to shelf slot 2 (DROP 2) communication failure	25176
EQPT	TCC A to shelf slot 3 (DROP 3) communication failure	25177
EQPT	TCC A to shelf slot 4 (DROP 4) communication failure	25178
EQPT	TCC A to shelf slot 5 (TRUNK 1) communication failure	25179
EQPT	TCC A to shelf slot 6 (TRUNK 2) communication failure	25180
EQPT	TCC A to shelf slot 7 (TCC A) communication failure	25181

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	TCC A to shelf slot 8 (XCON A) communication failure	25182
EQPT	TCC A to shelf slot 9 (AIC) communication failure	25183
EQPT	TCC A to shelf slot 10 (XCON B) communication failure	25184
EQPT	TCC A to shelf slot 11 (TCC B) communication failure	25185
EQPT	TCC A to shelf slot 12 (TRUNK 3) communication failure	25186
EQPT	TCC A to shelf slot 13 (TRUNK 4) communication failure	25187
EQPT	TCC A to shelf slot 14 (DROP 5) communication failure	25188
EQPT	TCC A to shelf slot 15 (DROP 6) communication failure	25189
EQPT	TCC A to shelf slot 16 (DROP 7) communication failure	25190
EQPT	TCC A to shelf slot 17 (DROP 8) communication failure	25191
EQPT	TCC A to DCC A processor communication failure	25192
EQPT	TCC B to shelf slot 1 (DROP 1) communication failure	25193
EQPT	TCC B to shelf slot 2 (DROP 2) communication failure	25194
EQPT	TCC B to shelf slot 3 (DROP 3) communication failure	25195
EQPT	TCC B to shelf slot 4 (DROP 4) communication failure	25196
EQPT	TCC B to shelf slot 5 (TRUNK 1) communication failure	25197
EQPT	TCC B to shelf slot 6 (TRUNK 2) communication failure	25198
EQPT	TCC B to shelf slot 7 (TCC A) communication failure	25199
EQPT	TCC B to shelf slot 8 (XCON A) communication failure	25200
EQPT	TCC B to shelf slot 9 (AIC) communication failure	25201
EQPT	TCC B to shelf slot 10 (XCON B) communication failure	25202
EQPT	TCC B to shelf slot 11 (TCC B) communication failure	25203
EQPT	TCC B to shelf slot 12 (TRUNK 3) communication failure	25204
EQPT	TCC B to shelf slot 13 (TRUNK 4) communication failure	25205
EQPT	TCC B to shelf slot 14 (DROP 5) communication failure	25206
EQPT	TCC B to shelf slot 15 (DROP 6) communication failure	25207
EQPT	TCC B to shelf slot 16 (DROP 7) communication failure	25208
EQPT	TCC B to shelf slot 17 (DROP 8) communication failure	25209
EQPT	TCC B to DCC B processor communication failure	25210
UNIDENTIFIED	Fast start synchronization mode	25211
FOP_APS	Improper APS code	25212
UNIDENTIFIED	BLSR out of sync	25213
AIS	Alarm indication signal—VT	25214
RAI	Remote failure indication—VT	25215
PLM	Signal label mismatch failure—payload label mismatch—VT	25216

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNEQ	Signal label mismatch failure—unequipped—VT	25217
UNIDENTIFIED	Peer state mismatch	25218
EQPT	Facility termination equipment—receiver missing	25219
EQPT	Facility termination equipment—transmitter missing	25220
LOP	Loss of pointer—VT	25221
UNIDENTIFIED	Embedded operations channel failure—link down	25222
UNIDENTIFIED	Failed to receive synchronization status message	25223
UNIDENTIFIED	Synchronization status messages are disabled on this interface	25224
UNIDENTIFIED	Primary reference source—stratum 1 traceable	25225
UNIDENTIFIED	Synchronized—traceability unknown	25226
UNIDENTIFIED	Stratum 2 traceable	25227
UNIDENTIFIED	Transit node clock traceable	25228
UNIDENTIFIED	Stratum 3E traceable	25229
UNIDENTIFIED	Stratum 3 traceable	25230
UNIDENTIFIED	SONET minimum clock traceable	25231
UNIDENTIFIED	Stratum 4 traceable	25232
UNIDENTIFIED	Do not use for synchronization	25233
UNIDENTIFIED	Reserved for network synchronization use	25234
UNIDENTIFIED	Failure to switch to protection—path	25235
UNIDENTIFIED	Manual switch of working facility—equipment to protection—path	25236
UNIDENTIFIED	Working facility—equipment forced to switch to protection—path	25237
UNIDENTIFIED	Lockout of protection—path	25238
UNIDENTIFIED	Automatic path-protection switch caused by AIS	25239
UNIDENTIFIED	Automatic path-protection switch caused by LOP	25240
UNIDENTIFIED	Automatic path-protection switch caused by UNEQ	25241
UNIDENTIFIED	Automatic path-protection switch caused by PDI	25242
UNIDENTIFIED	Automatic path-protection switch caused by SFBER	25243
UNIDENTIFIED	Automatic path-protection switch caused by SDBER	25244
UNIDENTIFIED	DS3 idle condition	25245
UNIDENTIFIED	DS1 loopback due to FEAC command	25246
UNIDENTIFIED	DS1 loopback command sent to far end	25247
UNIDENTIFIED	DS3 loopback due to FEAC command	25248
UNIDENTIFIED	DS3 loopback command sent to far end	25249
UNIDENTIFIED	DS2 loopback due to far-end command	25250

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	DS2 loopback command sent to far end	25251
ENV	Far-end AIS	25252
UNIDENTIFIED	Far-end multiple DS1 LOS detected on DS3	25253
ENV	Far-end DS1 equipment failure—non-service affecting	25254
ENV	Far-end DS1 equipment failure—service affecting	25255
ENV	Far-end single DS1 LOS	25256
ENV	Far-end DS3 equipment failure—non-service affecting	25257
ENV	Far-end DS3 equipment failure—service affecting	25258
ENV	Far-end common equipment failure—non-service affecting	25259
UNIDENTIFIED	Far-end IDLE	25260
ENV	Far-end LOS	25261
ENV	Far-end LOF	25262
UNIDENTIFIED	Performance monitor threshold crossing alert	25263
UNIDENTIFIED	Ethernet bridge is new root of spanning tree	25264
UNIDENTIFIED	Ethernet bridge topology change	25265
UNIDENTIFIED	BLSR tables resynchronized	25266
ENV	System reboot	25267
UNIDENTIFIED	Manual switch request on facility—equipment	25268
UNIDENTIFIED	Forced switch request on facility or equipment	25269
UNIDENTIFIED	Lockout switch request on facility—equipment	25270
UNIDENTIFIED	RMON histories and alarms reset reboot	25271
UNIDENTIFIED	RMON alarm	25272
LOS	Video interface card loss of video IF signal	25273
LOS	VIC loss of video baseband signal	25274
LOS	VIC loss of audio FM signal	25275
LOS	VIC loss of audio baseband channel 1 signal	25276
LOS	VIC loss of audio baseband channel 2 signal	25277
LOS	VIC loss of audio baseband channel 3 signal	25278
LOS	VIC loss of audio baseband channel 4 signal	25279
TIM	STS path trace identifier mismatch	25280
ENV	NE power failure at connector A	25281
ENV	NE power failure at connector B	25282
UNIDENTIFIED	Free memory on card very low	25283
UNIDENTIFIED	Free memory on card near zero	25284
UNIDENTIFIED	Exercise request on ring	25285

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Exercise request on span	25286
UNIDENTIFIED	Squelching path	25287
UNIDENTIFIED	Extra traffic preempted	25288
UNIDENTIFIED	Far-end lockout of working—ring	25289
UNIDENTIFIED	Far-end lockout of working—span	25290
UNIDENTIFIED	Far-end lockout of protection—ring	25291
UNIDENTIFIED	Far-end lockout of protection—all spans	25292
UNIDENTIFIED	Far-end working facility forced to switch to protection—ring	25293
UNIDENTIFIED	Far-end working facility forced to switch to protection—span	25294
UNIDENTIFIED	Far-end manual switch of working facility to protection—ring	25295
UNIDENTIFIED	Far-end manual switch of working facility to protection—span	25296
UNIDENTIFIED	Far-end exercising ring	25297
UNIDENTIFIED	Far-end exercising span	25298
ENV	Far-end BER threshold passed for signal failure—ring	25299
ENV	Far-end BER threshold passed for signal failure—span	25300
ENV	Far-end BER threshold passed for signal degrade—ring	25301
ENV	Far-end BER threshold passed for signal degrade—span	25302
ENV	APS channel—far-end protection line signal degrade	25303
UNIDENTIFIED	Ring switch is active on the east side	25304
UNIDENTIFIED	Ring switch is active on the west side	25305
UNIDENTIFIED	Span switch is active on the east side	25306
UNIDENTIFIED	Span switch is active on the west side	25307
UNIDENTIFIED	Unidirectional full pass-through is active	25308
UNIDENTIFIED	Bidirectional full pass-through is active	25309
UNIDENTIFIED	K bytes pass-through is active	25310
UNIDENTIFIED	Ring is segmented	25311
UNIDENTIFIED	Ring topology is under construction	25312
UNIDENTIFIED	Lockout of protection—all spans	25313
UNIDENTIFIED	Far end of fiber is provisioned with different ring ID	25314
UNIDENTIFIED	Both ends of fiber provisioned as east or both as west	25315
SECURITY_VIOLATION	Security—invalid login—see audit trail	25316
UNIDENTIFIED	Autonomous messages inhibited	25317
UNIDENTIFIED	Traffic storm on LAN; LAN temporarily disabled	25318
UNIDENTIFIED	REPT^DBCHG messages inhibited	25319
SECURITY_VIOLATION	Security—user ID has expired	25320

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Partial fan failure	25321
UNIDENTIFIED	Force switch request on ring	25322
UNIDENTIFIED	Force switch request on span	25323
UNIDENTIFIED	Lockout switch request on ring	25324
UNIDENTIFIED	Lockout switch request on span	25325
UNIDENTIFIED	Manual switch request on ring	25326
UNIDENTIFIED	Manual switch request on span	25327
EQPT	Peer-to-peer slot communication failure	25328
EQPT	Peer-to-peer slot communication failure	25329
EQPT	TCC A to shelf slot communication failure	25330
EQPT	TCC B to shelf slot communication failure	25331
EQPT	Interconnection equipment failure—working XC payload bus	25332
EQPT	Interconnection equipment failure—protect XC payload bus	25333
EQPT	Inhibit switch to protect request on equipment	25334
EQPT	Inhibit switch to working request on equipment	25335
BER_SD	BER threshold exceeded for signal degrade—line	25336
BER_SD	BER threshold exceeded for signal degrade—path	25337
BER_SF	BER threshold exceeded for signal failure—line	25338
BER_SF	BER threshold exceeded for signal failure—path	25339
UNIDENTIFIED	Exercising ring successfully	25340
UNIDENTIFIED	Exercising span successfully	25341
UNIDENTIFIED	Span is in wait-to-restore state	25342
EQPT	Peer card not responding	25343
UNIDENTIFIED	Exercise request on ring failed	25344
UNIDENTIFIED	Exercise request on span failed	25345
UNIDENTIFIED	Far-end lockout of protection—span	25346
EQPT	Manufacturing data memory (EEPROM) failure	25347
EQPT	Replaceable equipment/unit is missing	25348
ENV	Software download failure	25349
TIM	TIM section—trace identifier mismatch failure	25350
AIS	AIS—multiplex section—alarm indication signal	25351
RAI	RFI—multiplex section—remote failure/alarm indication	25352
TIM	TIM high order—trace identifier mismatch failure	25353
AU_AIS	AIS—administration unit—alarm indication signal	25354
LOP	LOP—administration unit—loss of pointer	25355

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNEQ	SLMF—unequipped high order—path unequipped	25356
PLM	SLMF—PLM high order—path label mismatch	25357
RAI	RFI—high order—remote failure/alarm indication	25358
LOP	LOP—tributary unit—loss of pointer	25359
TU-AIS	AIS—tributary unit—alarm indication signal	25360
UNEQ	SLMF—unequipped low order—path unequipped	25361
PLM	SLMF—PLM low order—path label mismatch	25362
TIM	TIM low order—trace identifier mismatch failure	25363
RAI	RFI—low order—remote failure/alarm indication	25364
UNIDENTIFIED	G811—primary reference clock traceable	25365
UNIDENTIFIED	G812—transit node clock traceable	25366
UNIDENTIFIED	G812—local node clock traceable	25367
UNIDENTIFIED	G813—synchronous equipment timing source traceable	25368
UNIDENTIFIED	E1 loopback due to FEAC command	25369
UNIDENTIFIED	E1 loopback command sent to far end	25370
UNIDENTIFIED	E3 loopback due to FEAC command	25371
ENV	Far-end multiple E1 LOS detected on E3	25372
ENV	Far-end E1 equipment failure non-service affecting	25373
ENV	Far-end E1 equipment failure service affecting	25374
ENV	Far-end single E1 LOS	25375
ENV	Far-end E3 equipment failure service affecting	25376
UNIDENTIFIED	E3 loopback command sent to far end	25377
ENV	Far-end E3 equipment failure non-service affecting	25378
ENV	Low voltage—battery A	25379
ENV	High voltage—battery A	25380
ENV	Low voltage—battery B	25381
ENV	High voltage—battery B	25382
UNIDENTIFIED	Procedural error—MS-SPRing out of sync	25383
UNIDENTIFIED	MS-SPRing tables resynchronized	25384
UNIDENTIFIED	Automatic SNCP switch caused by AIS	25385
UNIDENTIFIED	Automatic SNCP switch caused by LOP	25386
UNIDENTIFIED	Automatic SNCP switch caused by UNEQ	25387
UNIDENTIFIED	Automatic SNCP switch caused by PDI	25388
UNIDENTIFIED	Automatic SNCP switch caused by SFBER	25389
UNIDENTIFIED	Automatic SNCP switch caused by SDBER	25390

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	STM concatenation error	25391
UNIDENTIFIED	E3 idle condition	25392
UNIDENTIFIED	IOS config copy failed	25393
UNIDENTIFIED	IOS config copy in progress	25394
UNIDENTIFIED	Alarms suppressed by user command	25399
UNIDENTIFIED	Alarms suppressed for maintenance	25400
UNIDENTIFIED	N/A	25401
UNIDENTIFIED	Synchronization reference frequency out of bounds	25402
UNIDENTIFIED	Ether Tx excess flow control	25403
UNIDENTIFIED	Ether Tx oversubscribed	25404
UNIDENTIFIED	Transport layer failure	25405
UNIDENTIFIED	Ether Rx excess flow control	25406
UNIDENTIFIED	Ether Rx oversubscribed	25407
UNIDENTIFIED	Ether Tx underrun	25408
UNIDENTIFIED	SNTP host failure	25409
UNIDENTIFIED	DS3 frame format mismatch	25410
UNIDENTIFIED	Alarms/events suppressed for this object	25411
BER_SD	BER threshold exceeded for signal degrade—high order	25412
BER_SF	BER threshold exceeded for signal failure—high order	25413
BER_SD	BER threshold exceeded for signal degrade—low order	25414
BER_SF	BER threshold exceeded for signal failure—low order	25415
UNIDENTIFIED	Failure to switch to protection—high order path	25416
UNIDENTIFIED	Failure to switch to protection—low order path	25417
UNIDENTIFIED	Wait to restore	25418
ENV	Extreme high voltage—battery A	25419
ENV	Extreme low voltage—battery A	25420
ENV	Extreme high voltage—battery B	25421
ENV	Extreme low voltage—battery B	25422
UNIDENTIFIED	Switching matrix module failure	25423
UNIDENTIFIED	Signaling unable to set up circuit	25424
UNIDENTIFIED	RSVP hello FSM to neighbor down	25425
UNIDENTIFIED	LMP hello FSM to control channel down	25426
UNIDENTIFIED	LMP neighbor discovery failed	25427
UNIDENTIFIED	Unauthorized incoming signaling request	25428
UNIDENTIFIED	Signaled circuit going down	25429

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Autonomous PM report message inhibited	25430
EQPT	I/O slot to XCON communication failure	25431
UNIDENTIFIED	Forced switch to primary reference	25432
UNIDENTIFIED	Forced switch to secondary reference	25433
UNIDENTIFIED	Forced switch to third reference	25434
UNIDENTIFIED	Forced switch to internal clock	25435
LOM	LOF—administration unit—loss of multiframe	25436
UNIDENTIFIED	Admin logout of user	25438
UNIDENTIFIED	User locked out	25439
UNIDENTIFIED	Admin lockout of user	25440
UNIDENTIFIED	Admin lockout clear	25441
SECURITY_VIOLATION	Security—invalid login—username—see audit log	25442
SECURITY_VIOLATION	Security—invalid login—password—see audit log	25443
SECURITY_VIOLATION	Security—invalid login—locked out—see audit log	25444
SECURITY_VIOLATION	Security—invalid login—already logged on—see audit log	25445
UNIDENTIFIED	Login of user	25446
UNIDENTIFIED	Automatic logout of idle user	25447
UNIDENTIFIED	Logout of user	25448
UNIDENTIFIED	Cross-connect loopback	25451
UNIDENTIFIED	Error in startup config	25454
UNIDENTIFIED	No startup config	25455
EQPT	Laser approaching end of life	25456
UNIDENTIFIED	Database backup failed	25457
UNIDENTIFIED	Database restore failed	25458
UNIDENTIFIED	8B10B out of sync	25459
AIS	ODUk—alarm indication signal	25460
AIS	OTUk—alarm indication signal	25461
UNIDENTIFIED	OTUk—backward defect indicator	25462
UNIDENTIFIED	ODUk—backward defect indicator	25463
UNIDENTIFIED	FEC uncorrected word	25464
UNIDENTIFIED	GCC embedded operation channel failure	25465
UNIDENTIFIED	OTUk—incoming alignment error	25466
UNIDENTIFIED	ODUk—locked defect—PM	25467
LOM	Loss of multiframe	25468
UNIDENTIFIED	ODUk—open connection indication	25469

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
PLM	Payload type identifier mismatch	25470
TIM	ODUk—trail trace identifier mismatch	25471
TIM	OTUk—trail trace identifier mismatch	25472
EQPT	Equipment high laser bias	25473
EQPT	Equipment high laser temp	25474
EQPT	Equipment high laser Peltier	25475
EQPT	Equipment high Rx power	25476
EQPT	Equipment high Tx power	25477
EQPT	Equipment high Rx temperature	25478
EQPT	Equipment low Rx temperature	25479
EQPT	Equipment high transceiver voltage	25480
EQPT	Equipment low laser bias	25481
EQPT	Equipment low laser temp	25482
EQPT	Equipment low laser Peltier	25483
EQPT	Equipment low Rx power	25484
EQPT	Equipment low Tx power	25485
EQPT	Equipment low transceiver voltage	25486
EQPT	Equipment Rx locked	25487
EQPT	Equipment squelched	25488
EQPT	Equipment Tx locked	25489
BER_SF	OTUk—signal failure	25490
BER_SF	ODUk—signal failure	25491
BER_SD	OTUk—signal degrade	25492
BER_SD	ODUk—signal degrade	25493
UNIDENTIFIED	Pluggable port missing	25494
UNIDENTIFIED	Pluggable port rate mismatch	25495
SECURITY_VIOLATION	Pluggable port security code mismatch	25496
UNIDENTIFIED	TCI not selected	25497
UNIDENTIFIED	TCI 1 clock failure	25498
UNIDENTIFIED	ODUk—backward defect indicator	25499
UNIDENTIFIED	ODUk—backward defect indicator	25500
UNIDENTIFIED	ODUk—backward defect indicator	25501
UNIDENTIFIED	ODUk—open connection indication	25504
UNIDENTIFIED	ODUk—locked defect—TCM2	25505
AIS	ODUk—alarm indication signal	25506

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
TIM	ODUk—trail trace identifier mismatch	25507
BER_SD	ODUk—signal degrade—TCM2	25508
BER_SF	ODUk—signal failure—TCM2	25509
UNIDENTIFIED	ODUk—open connection indication	25510
UNIDENTIFIED	ODUk—locked defect—TCM1	25511
AIS	ODUk—alarm indication signal	25512
TIM	ODUk—trail trace identifier mismatch	25513
BER_SD	ODUk—signal degrade—TCM1	25514
BER_SF	ODUk—signal failure—TCM1	25515
LOF	OTUk—loss of frame	25516
UNIDENTIFIED	TCI 2 clock failure	25517
UNIDENTIFIED	Audit log 80 percent full	25518
UNIDENTIFIED	Module communication failure	25519
UNIDENTIFIED	Need to save running config	25520
UNIDENTIFIED	Audit log 100 percent full—oldest records will be lost	25521
UNIDENTIFIED	Standby database out of sync	25522
EQPT	Redundant power capability lost	25523
EQPT	Equipment wavelength mismatch	25524
UNIDENTIFIED	DSP communication failure	25525
UNIDENTIFIED	DSP failure	25526
UNIDENTIFIED	LAN connection polarity reversed	25527
UNIDENTIFIED	Loss of channel	25528
UNIDENTIFIED	FEC mismatch	25529
UNIDENTIFIED	Optical power degrade low	25531
UNIDENTIFIED	Optical power degrade high	25532
SECURITY_VIOLATION	Security intrusion attempt detected—see audit log	25533
SECURITY_VIOLATION	Security intrusion attempt detected—see audit log	25534
UNIDENTIFIED	Variable optical attenuator degrade low	25536
UNIDENTIFIED	Variable optical attenuator degrade high	25537
UNIDENTIFIED	Variable optical attenuator failure low	25538
UNIDENTIFIED	Variable optical attenuator failure high	25539
UNIDENTIFIED	Laser bias degrade	25540
UNIDENTIFIED	Laser bias failure	25541
UNIDENTIFIED	Laser temperature degrade	25542
UNIDENTIFIED	Optical amplifier gain degrade low	25543

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Optical amplifier gain degrade high	25544
UNIDENTIFIED	Optical amplifier gain failure low	25545
UNIDENTIFIED	Optical amplifier gain failure high	25546
UNIDENTIFIED	Laser auto power reduction	25547
UNIDENTIFIED	Case temperature degrade	25548
UNIDENTIFIED	Fiber temperature degrade	25549
UNIDENTIFIED	Shutter open	25550
UNIDENTIFIED	AWG temperature degrade	25551
UNIDENTIFIED	AWG temperature failure	25552
UNIDENTIFIED	AWG over temperature	25553
UNIDENTIFIED	Shutter insertion loss variation degrade low	25554
UNIDENTIFIED	Shutter insertion loss variation degrade high	25555
UNIDENTIFIED	AWG warm up	25556
UNIDENTIFIED	Plug-in module communication failure	25557
UNIDENTIFIED	Optical amplifier initialization	25558
UNIDENTIFIED	Optical channel connection failure	25559
UNIDENTIFIED	Optical channel activation failure	25560
UNIDENTIFIED	Optical channel deactivation failure	25561
UNIDENTIFIED	Network topology incomplete	25562
UNIDENTIFIED	Optical network type mismatch	25563
UNIDENTIFIED	Automatic power control failure	25564
UNIDENTIFIED	Automatic power control disabled	25565
UNIDENTIFIED	Ring ID mismatch	25566
UNIDENTIFIED	TIM section monitor—trace identifier mismatch failure	25569
UNIDENTIFIED	Optical channel incomplete	25570
UNIDENTIFIED	Enhanced remote failure indication—path—server	25571
UNIDENTIFIED	Enhanced remote failure indication—path—connectivity	25572
UNIDENTIFIED	Enhanced remote failure indication—path—payload	25573
UNIDENTIFIED	Automatic laser shutdown	25574
UNIDENTIFIED	Firewall has been disabled	25575
UNIDENTIFIED	Optical power failure low	25576
UNIDENTIFIED	Optical power failure high	25577
UNIDENTIFIED	Battery failure	25578
UNIDENTIFIED	Extreme high voltage	25579
UNIDENTIFIED	Extreme low voltage	25580

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	High voltage	25581
UNIDENTIFIED	Low voltage	25582
UNIDENTIFIED	Connection equipment mismatch	25583
UNIDENTIFIED	Disable inactive user	25584
UNIDENTIFIED	Disable inactive user	25585
UNIDENTIFIED	Suspend user	25586
UNIDENTIFIED	Suspend user clear	25587
UNIDENTIFIED	Line DCC termination failure	25588
UNIDENTIFIED	Multiplex section DCC termination failure	25589
UNIDENTIFIED	Gigabit Ethernet out of sync	25590
AIS	Alarm indication signal in Tx	25591
AIS	Remote alarm indication in Tx	25592
UNIDENTIFIED	Incoming signal loss on fibre channel interface	25594
UNIDENTIFIED	Incoming synchronization loss on fibre channel interface	25595
UNIDENTIFIED	Out of frame detected by GFP receiver	25596
UNIDENTIFIED	Client signal loss frames detected by GFP receiver	25597
UNIDENTIFIED	Client synchronization loss frames detected by GFP receiver	25598
UNIDENTIFIED	Sequence mismatch	25599
UNIDENTIFIED	Loss of alignment	25600
UNIDENTIFIED	Out of use—administrative command	25601
UNIDENTIFIED	Out of use—transport failure	25602
UNIDENTIFIED	VCAT group down	25603
UNIDENTIFIED	VCAT group degraded	25604
UNIDENTIFIED	VCAT group incomplete	25605
UNIDENTIFIED	K byte channel failure	25606
UNIDENTIFIED	Industrial high temperature	25607
UNIDENTIFIED	APS invalid mode	25608
UNIDENTIFIED	IP address already in use within the same DCC area	25609
UNIDENTIFIED	Node name already in use within the same DCC area	25610
UNIDENTIFIED	Rear panel Ethernet link removed	25611
UNIDENTIFIED	Manual switch to protect resulted in no traffic switch	25612
UNIDENTIFIED	Manual switch back to working resulted in no traffic switch	25613
UNIDENTIFIED	Forced switch to protection resulted in no traffic switch	25614
UNIDENTIFIED	Forced switch back to working resulted in no traffic switch	25615
UNIDENTIFIED	Loss of signal for optical channel	25616

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Incoming overhead signal absent	25617
UNIDENTIFIED	Optical safety remote interlock on	25618
UNIDENTIFIED	OSPF hello fail	25619
UNIDENTIFIED	Automatic power control correction skipped	25620
UNIDENTIFIED	Plug-in module range settings mismatch	25621
UNIDENTIFIED	APC cannot set value due to range limits	25622
UNIDENTIFIED	Automatic WDM ANS finished	25623
UNIDENTIFIED	Port failure	25624
UNIDENTIFIED	Unreachable port target power	25625
UNIDENTIFIED	Port add power degrade low	25626
UNIDENTIFIED	Port add power degrade high	25627
UNIDENTIFIED	Port add power fail low	25628
UNIDENTIFIED	Port add power fail high	25629
UNIDENTIFIED	Equipment power failure at connector A	25630
UNIDENTIFIED	Equipment power failure at connector B	25631
UNIDENTIFIED	Equipment power failure at return connector A	25632
UNIDENTIFIED	Equipment power failure at return connector B	25633
UNIDENTIFIED	Far-end manual switch back to working—span	25634
UNIDENTIFIED	Far-end forced switch back to working—span	25635
UNIDENTIFIED	Universal transponder module hardware failure	25636
UNIDENTIFIED	Universal transponder module communication failure	25637
UNIDENTIFIED	Automatic power control terminated on manual request	25638
UNIDENTIFIED	Fibre channel distance extension credit starvation	25639
PLM	GFP user payload mismatch	25640
UNIDENTIFIED	GFP fibre channel distance extension mismatch	25641
UNIDENTIFIED	GFP fibre channel distance extension buffer starvation	25642
BER_SF	GFP client signal fail detected	25643
LOF	GFP loss of frame delineation	25644
UNIDENTIFIED	GFP extension header mismatch	25645
UNIDENTIFIED	Signal loss on data interface	25646
UNIDENTIFIED	Encapsulation mismatch—path	25647
UNIDENTIFIED	Encapsulation mismatch—VT	25648
UNIDENTIFIED	Encapsulation mismatch high order—path	25649
UNIDENTIFIED	Encapsulation mismatch low order—path	25650
UNIDENTIFIED	Synchronization loss on data interface	25651

Table A-23 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15327, ONS 15454 SONET, and ONS 15454 SDH R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
AIS	ODUk-1—alarm indication signal	25652
AIS	ODUk-2—alarm indication signal	25653
AIS	ODUk-3—alarm indication signal	25654
AIS	ODUk-4—alarm indication signal	25655
UNIDENTIFIED	LCAS control word CRC check failure	25656
UNIDENTIFIED	Duplicate serial number detected on a pluggable entity	25657
UNIDENTIFIED	LCAS VCG member Tx side in DNU state	25658
UNIDENTIFIED	LCAS VCG member Tx side in ADD state	25659
UNIDENTIFIED	LCAS VCG member Rx side in FAIL state	25660
UNIDENTIFIED	Optimized 1+1 APS primary facility	25661
UNIDENTIFIED	Optimized 1+1 APS primary section mismatch	25662
UNIDENTIFIED	Optimized 1+1 APS invalid primary section	25663
UNIDENTIFIED	Composite clock high line voltage	25664
BER_SD	BER threshold exceeded for signal degrade—VT	25665
BER_SF	BER threshold exceeded for signal failure—VT	25666
UNIDENTIFIED	Alarms suppressed on out-of-group VCAT member	25667
UNIDENTIFIED	Span length out of range	25668
UNIDENTIFIED	Temperature reading mismatch between SC cards	25669
UNIDENTIFIED	Voltage reading mismatch between SC cards	25670
UNIDENTIFIED	Syslog messages	28000
UNIDENTIFIED	Configuration events	28001
UNIDENTIFIED	Link up/link down trap	28002
UNIDENTIFIED	Cold/warm start trap	28003
SECURITY_VIOLATION	Authentication failure notification	28004

A.5.8 CTM GateWay/CORBA Mapping—ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0

The following table lists the CTM GateWay/CORBA mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0, and for the ONS 15327 R6.0.

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Normal condition	25000
ENV	Failure detected external to the NE	25001
ENV	External error	25002
UNIDENTIFIED	Excessive switching	25003
UNIDENTIFIED	Incoming failure condition	25004
AIS	Alarm indication signal	25005
AIS	Alarm indication signal—line	25006
AIS	Alarm indication signal—path	25007
FOP_APS	APS channel failure	25008
FOP_APS	Byte failure	25009
FOP_APS	Protection switching channel match failure	25010
FOP_APS	Automatic protection switch mode mismatch	25011
FOP_APS	Far-end protection line failure	25012
UNIDENTIFIED	Bipolar violation	25013
UNIDENTIFIED	Carrier loss on the LAN	25014
UNIDENTIFIED	STS concatenation error	25015
UNIDENTIFIED	Excess collisions on the LAN	25016
UNIDENTIFIED	Facility failure	25017
UNIDENTIFIED	Far-end block error	25018
LOF	Loss of frame	25019
LOP	Loss of pointer	25020
LOP	Loss of pointer—path	25021
LOS	Loss of signal	25022
UNIDENTIFIED	Out of frame	25023
UNIDENTIFIED	Path selector failure	25024
RAI	Remote alarm indication	25025
RAI	Remote failure indication	25026
RAI	Remote failure indication—line	25027
RAI	Remote failure indication—path	25028
BER_SD	Signal degrade	25029

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Severely errored frame	25030
UNIDENTIFIED	Invalid alarm	25031
BER_SF	Signal failure	25032
UNIDENTIFIED	Signal label mismatch failures	25033
UNIDENTIFIED	Payload defect indication	25034
UNIDENTIFIED	Payload defect indication—path	25035
PLM	Payload label mismatch—path	25036
UNEQ	Unequipped—path	25037
UNIDENTIFIED	Loss of synchronization	25038
UNIDENTIFIED	Out of synchronization	25039
UNIDENTIFIED	Primary synchronization reference failure	25040
UNIDENTIFIED	Secondary synchronization reference failure	25041
UNIDENTIFIED	Third synchronization reference failure	25042
UNIDENTIFIED	Fourth synchronization reference failure	25043
UNIDENTIFIED	Fifth synchronization reference failure	25044
UNIDENTIFIED	Sixth synchronization reference failure	25045
UNIDENTIFIED	Outgoing failure condition	25046
RAI	Remote defect indication—line	25047
RAI	Remote defect indication—path	25048
UNIDENTIFIED	Free running synchronization mode	25049
UNIDENTIFIED	Holdover synchronization mode	25050
EQPT	Internal fault	25051
UNIDENTIFIED	Internal error	25052
UNIDENTIFIED	Internal message error	25053
UNIDENTIFIED	Mismatch of equipment and attributes	25054
UNIDENTIFIED	Watchdog timer timeout	25055
ENV	Software fault or failure	25056
ENV	Software fault—data integrity fault	25057
UNIDENTIFIED	Program failure	25058
EQPT	Control equipment failure	25059
EQPT	Control processor failure	25060
EQPT	Working memory failure	25061
EQPT	Interconnection equipment failure	25062
EQPT	Time slot interchange equipment failure	25063
EQPT	Equipment failure	25064

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	High temperature	25065
EQPT	Facility termination equipment failure	25066
EQPT	Automatic laser shutdown	25067
UNIDENTIFIED	Failure to release from protection	25068
EQPT	Receiver failure	25069
EQPT	Transmit failure	25070
UNIDENTIFIED	Failure to switch to protection	25071
UNIDENTIFIED	Equipment unit plug-in	25072
UNIDENTIFIED	Internal power failure	25073
UNIDENTIFIED	Fuse alarm	25074
UNIDENTIFIED	Synchronization unit failure	25075
UNIDENTIFIED	Synchronization switching equipment failure	25076
EQPT	Equipment unit unplugged	25077
EQPT	Manually caused abnormal condition	25078
UNIDENTIFIED	Manual alarm cutoff	25079
UNIDENTIFIED	Procedural error	25080
EQPT	Improper removal	25081
UNIDENTIFIED	Protection unit not available	25082
UNIDENTIFIED	Protection switch	25083
UNIDENTIFIED	Recovery or service protection action has been initiated	25084
UNIDENTIFIED	Automatic system reset	25085
UNIDENTIFIED	Cold restart	25086
UNIDENTIFIED	Forced switch back to working	25087
UNIDENTIFIED	Forced switch to protection	25088
UNIDENTIFIED	Initialization initiated	25089
UNIDENTIFIED	Lockout of protection	25090
UNIDENTIFIED	Lockout of working	25091
UNIDENTIFIED	Manual system reset	25092
UNIDENTIFIED	Manual switch to internal clock	25093
UNIDENTIFIED	Manual switch to primary reference	25094
UNIDENTIFIED	Manual switch to secondary reference	25095
UNIDENTIFIED	Manual switch to third reference	25096
UNIDENTIFIED	Manual switch to fourth reference	25097
UNIDENTIFIED	Manual switch to fifth reference	25098
UNIDENTIFIED	Manual switch to sixth reference	25099

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Manual switch back to working	25100
UNIDENTIFIED	Manual switch to protection	25101
UNIDENTIFIED	Powerfail restart	25102
UNIDENTIFIED	Software download in progress	25103
UNIDENTIFIED	Switch to internal clock	25104
UNIDENTIFIED	Switch to primary reference	25105
UNIDENTIFIED	Switch to secondary reference	25106
UNIDENTIFIED	Switch to third reference	25107
UNIDENTIFIED	Switch to fourth reference	25108
UNIDENTIFIED	Switch to fifth reference	25109
UNIDENTIFIED	Switch to sixth reference	25110
UNIDENTIFIED	Switched back to working	25111
UNIDENTIFIED	Switched to protection	25112
UNIDENTIFIED	Warm restart	25113
UNIDENTIFIED	Ring is in wait-to-restore state	25114
EQPT	Primary nonvolatile backup memory failure	25115
EQPT	Secondary nonvolatile backup memory failure	25116
EQPT	Control bus failure	25117
EQPT	Control communications equipment failure	25118
UNIDENTIFIED	Loopback	25119
UNIDENTIFIED	Loopback, network	25120
UNIDENTIFIED	Loopback, terminal	25121
EQPT	Fan failure	25122
DCC_FAILURE	SDCC termination failure	25123
UNIDENTIFIED	Loopback facility	25124
EQPT	Payload bus failure to I/O slot 1 (XCON slot 8)	25125
EQPT	Payload bus failure to I/O slot 2 (XCON slot 8)	25126
EQPT	Payload bus failure to I/O slot 3 (XCON slot 8)	25127
EQPT	Payload bus failure to I/O slot 4 (XCON slot 8)	25128
EQPT	Payload bus failure to I/O slot 5 (XCON slot 8)	25129
EQPT	Payload bus failure to I/O slot 6 (XCON slot 8)	25130
EQPT	Payload bus failure to I/O slot 12 (XCON slot 8)	25131
EQPT	Payload bus failure to I/O slot 13 (XCON slot 8)	25132
EQPT	Payload bus failure to I/O slot 14 (XCON slot 8)	25133
EQPT	Payload bus failure to I/O slot 15 (XCON slot 8)	25134

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Payload bus failure to I/O slot 16 (XCON slot 8)	25135
EQPT	Payload bus failure to I/O slot 17 (XCON slot 8)	25136
EQPT	Payload bus failure to I/O slot 1 (XCON slot 10)	25137
EQPT	Payload bus failure to I/O slot 2 (XCON slot 10)	25138
EQPT	Payload bus failure to I/O slot 3 (XCON slot 10)	25139
EQPT	Payload bus failure to I/O slot 4 (XCON slot 10)	25140
EQPT	Payload bus failure to I/O slot 5 (XCON slot 10)	25141
EQPT	Payload bus failure to I/O slot 6 (XCON slot 10)	25142
EQPT	Payload bus failure to I/O slot 12 (XCON slot 10)	25143
EQPT	Payload bus failure to I/O slot 13 (XCON slot 10)	25144
EQPT	Payload bus failure to I/O slot 14 (XCON slot 10)	25145
EQPT	Payload bus failure to I/O slot 15 (XCON slot 10)	25146
EQPT	Payload bus failure to I/O slot 16 (XCON slot 10)	25147
EQPT	Payload bus failure to I/O slot 17 (XCON slot 10)	25148
EQPT	Control bus 1 failure	25149
EQPT	Control bus 2 failure	25150
EQPT	Invalid MAC address	25151
EQPT	Board failure	25152
EQPT	Diagnostics failure	25153
EQPT	Medium access control failure	25154
UNIDENTIFIED	Duplicate node ID	25155
UNIDENTIFIED	Failure to switch to protection—ring	25156
UNIDENTIFIED	Failure to switch to protection—span	25157
UNIDENTIFIED	Manual switch back to working—ring	25158
UNIDENTIFIED	Manual switch back to working—span	25159
UNIDENTIFIED	Manual switch to protection—ring	25160
UNIDENTIFIED	Manual switch to protection—span	25161
UNIDENTIFIED	Forced switch back to working—ring	25162
UNIDENTIFIED	Forced switch back to working—span	25163
UNIDENTIFIED	Forced switch to protection—ring	25164
UNIDENTIFIED	Forced switch to protection—span	25165
UNIDENTIFIED	Lockout of protection—ring	25166
UNIDENTIFIED	Lockout of protection—span	25167
UNIDENTIFIED	Lockout of working—ring	25168
UNIDENTIFIED	Lockout of working—span	25169

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Ring is squelching traffic	25170
FOP_APS	Inconsistent APS code	25171
FOP_APS	Node ID mismatch	25172
FOP_APS	Default K byte	25173
FOP_APS	Connection loss	25174
EQPT	TCC A to shelf slot 1 (DROP 1) communication failure	25175
EQPT	TCC A to shelf slot 2 (DROP 2) communication failure	25176
EQPT	TCC A to shelf slot 3 (DROP 3) communication failure	25177
EQPT	TCC A to shelf slot 4 (DROP 4) communication failure	25178
EQPT	TCC A to shelf slot 5 (TRUNK 1) communication failure	25179
EQPT	TCC A to shelf slot 6 (TRUNK 2) communication failure	25180
EQPT	TCC A to shelf slot 7 (TCC A) communication failure	25181
EQPT	TCC A to shelf slot 8 (XCON A) communication failure	25182
EQPT	TCC A to shelf slot 9 (AIC) communication failure	25183
EQPT	TCC A to shelf slot 10 (XCON B) communication failure	25184
EQPT	TCC A to shelf slot 11 (TCC B) communication failure	25185
EQPT	TCC A to shelf slot 12 (TRUNK 3) communication failure	25186
EQPT	TCC A to shelf slot 13 (TRUNK 4) communication failure	25187
EQPT	TCC A to shelf slot 14 (DROP 5) communication failure	25188
EQPT	TCC A to shelf slot 15 (DROP 6) communication failure	25189
EQPT	TCC A to shelf slot 16 (DROP 7) communication failure	25190
EQPT	TCC A to shelf slot 17 (DROP 8) communication failure	25191
EQPT	TCC A to DCC A processor communication failure	25192
EQPT	TCC B to shelf slot 1 (DROP 1) communication failure	25193
EQPT	TCC B to shelf slot 2 (DROP 2) communication failure	25194
EQPT	TCC B to shelf slot 3 (DROP 3) communication failure	25195
EQPT	TCC B to shelf slot 4 (DROP 4) communication failure	25196
EQPT	TCC B to shelf slot 5 (TRUNK 1) communication failure	25197
EQPT	TCC B to shelf slot 6 (TRUNK 2) communication failure	25198
EQPT	TCC B to shelf slot 7 (TCC A) communication failure	25199
EQPT	TCC B to shelf slot 8 (XCON A) communication failure	25200
EQPT	TCC B to shelf slot 9 (AIC) communication failure	25201
EQPT	TCC B to shelf slot 10 (XCON B) communication failure	25202
EQPT	TCC B to shelf slot 11 (TCC B) communication failure	25203
EQPT	TCC B to shelf slot 12 (TRUNK 3) communication failure	25204

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	TCC B to shelf slot 13 (TRUNK 4) communication failure	25205
EQPT	TCC B to shelf slot 14 (DROP 5) communication failure	25206
EQPT	TCC B to shelf slot 15 (DROP 6) communication failure	25207
EQPT	TCC B to shelf slot 16 (DROP 7) communication failure	25208
EQPT	TCC B to shelf slot 17 (DROP 8) communication failure	25209
EQPT	TCC B to DCC B processor communication failure	25210
UNIDENTIFIED	Fast start synchronization mode	25211
FOP_APS	Improper APS code	25212
UNIDENTIFIED	BLSR out of sync	25213
AIS	Alarm indication signal—VT	25214
RAI	Remote failure indication—VT	25215
PLM	Signal label mismatch failure—payload label mismatch—VT	25216
UNEQ	Signal label mismatch failure—unequipped—VT	25217
UNIDENTIFIED	Peer state mismatch	25218
EQPT	Facility termination equipment—receiver missing	25219
EQPT	Facility termination equipment—transmitter missing	25220
LOP	Loss of pointer—VT	25221
UNIDENTIFIED	Embedded operations channel failure—link down	25222
UNIDENTIFIED	Failed to receive synchronization status message	25223
UNIDENTIFIED	Synchronization status messages are disabled on this interface	25224
UNIDENTIFIED	Primary reference source—stratum 1 traceable	25225
UNIDENTIFIED	Synchronized—traceability unknown	25226
UNIDENTIFIED	Stratum 2 traceable	25227
UNIDENTIFIED	Transit node clock traceable	25228
UNIDENTIFIED	Stratum 3E traceable	25229
UNIDENTIFIED	Stratum 3 traceable	25230
UNIDENTIFIED	SONET minimum clock traceable	25231
UNIDENTIFIED	Stratum 4 traceable	25232
UNIDENTIFIED	Do not use for synchronization	25233
UNIDENTIFIED	Reserved for network synchronization use	25234
UNIDENTIFIED	Failure to switch to protection—path	25235
UNIDENTIFIED	Manual switch of working facility—equipment to protection—path	25236
UNIDENTIFIED	Working facility—equipment forced to switch to protection—path	25237

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Lockout of protection—path	25238
UNIDENTIFIED	Automatic path-protection switch caused by AIS	25239
UNIDENTIFIED	Automatic path-protection switch caused by LOP	25240
UNIDENTIFIED	Automatic path-protection switch caused by UNEQ	25241
UNIDENTIFIED	Automatic path-protection switch caused by PDI	25242
UNIDENTIFIED	Automatic path-protection switch caused by SFBER	25243
UNIDENTIFIED	Automatic path-protection switch caused by SDBER	25244
UNIDENTIFIED	DS3 idle condition	25245
UNIDENTIFIED	DS1 loopback due to FEAC command	25246
UNIDENTIFIED	DS1 loopback command sent to far end	25247
UNIDENTIFIED	DS3 loopback due to FEAC command	25248
UNIDENTIFIED	DS3 loopback command sent to far end	25249
UNIDENTIFIED	DS2 loopback due to far-end command	25250
UNIDENTIFIED	DS2 loopback command sent to far end	25251
ENV	Far-end AIS	25252
UNIDENTIFIED	Far-end multiple DS1 LOS detected on DS3	25253
ENV	Far-end DS1 equipment failure—non-service affecting	25254
ENV	Far-end DS1 equipment failure—service affecting	25255
ENV	Far-end single DS1 LOS	25256
ENV	Far-end DS3 equipment failure—non-service affecting	25257
ENV	Far-end DS3 equipment failure—service affecting	25258
ENV	Far-end common equipment failure—non-service affecting	25259
UNIDENTIFIED	Far-end idle	25260
ENV	Far-end LOS	25261
ENV	Far-end LOF	25262
UNIDENTIFIED	Performance monitor threshold crossing alert	25263
UNIDENTIFIED	Ethernet bridge is new root of spanning tree	25264
UNIDENTIFIED	Ethernet bridge topology change	25265
UNIDENTIFIED	BLSR tables resynchronized	25266
ENV	System reboot	25267
UNIDENTIFIED	Manual switch request on facility—equipment	25268
UNIDENTIFIED	Forced switch request on facility or equipment	25269
UNIDENTIFIED	Lockout switch request on facility—equipment	25270
UNIDENTIFIED	RMON histories and alarms reset reboot	25271
UNIDENTIFIED	RMON alarm	25272

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
LOS	Video interface card loss of video IF signal	25273
LOS	VIC loss of video baseband signal	25274
LOS	VIC loss of audio FM signal	25275
LOS	VIC loss of audio baseband channel 1 signal	25276
LOS	VIC loss of audio baseband channel 2 signal	25277
LOS	VIC loss of audio baseband channel 3 signal	25278
LOS	VIC loss of audio baseband channel 4 signal	25279
TIM	STS path trace identifier mismatch	25280
ENV	NE power failure at connector A	25281
ENV	NE power failure at connector B	25282
UNIDENTIFIED	Free memory on card very low	25283
UNIDENTIFIED	Free memory on card near zero	25284
UNIDENTIFIED	Exercise request on ring	25285
UNIDENTIFIED	Exercise request on span	25286
UNIDENTIFIED	Squelching path	25287
UNIDENTIFIED	Extra traffic preempted	25288
UNIDENTIFIED	Far-end lockout of working—ring	25289
UNIDENTIFIED	Far-end lockout of working—span	25290
UNIDENTIFIED	Far-end lockout of protection—ring	25291
UNIDENTIFIED	Far-end lockout of protection—all spans	25292
UNIDENTIFIED	Far-end working facility forced to switch to protection—ring	25293
UNIDENTIFIED	Far-end working facility forced to switch to protection—span	25294
UNIDENTIFIED	Far-end manual switch of working facility to protection—ring	25295
UNIDENTIFIED	Far-end manual switch of working facility to protection—span	25296
UNIDENTIFIED	Far-end exercising ring	25297
UNIDENTIFIED	Far-end exercising span	25298
ENV	Far-end BER threshold passed for signal failure—ring	25299
ENV	Far-end BER threshold passed for signal failure—span	25300
ENV	Far-end BER threshold passed for signal degrade—ring	25301
ENV	Far-end BER threshold passed for signal degrade—span	25302
ENV	APS channel—far-end protection line signal degrade	25303
UNIDENTIFIED	Ring switch is active on the east side	25304
UNIDENTIFIED	Ring switch is active on the west side	25305
UNIDENTIFIED	Span switch is active on the east side	25306
UNIDENTIFIED	Span switch is active on the west side	25307

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Unidirectional full pass-through is active	25308
UNIDENTIFIED	Bidirectional full pass-through is active	25309
UNIDENTIFIED	K bytes pass-through is active	25310
UNIDENTIFIED	Ring is segmented	25311
UNIDENTIFIED	Ring topology is under construction	25312
UNIDENTIFIED	Lockout of protection—all spans	25313
UNIDENTIFIED	Far end of fiber is provisioned with different ring ID	25314
UNIDENTIFIED	Both ends of fiber provisioned as east or both as west	25315
SECURITY_VIOLATION	Security—invalid login—see audit trail	25316
UNIDENTIFIED	Autonomous messages inhibited	25317
UNIDENTIFIED	Traffic storm on LAN; LAN temporarily disabled	25318
SECURITY_VIOLATION	REPT^DBCHG messages inhibited	25319
SECURITY_VIOLATION	Security—user ID has expired	25320
EQPT	Partial fan failure	25321
UNIDENTIFIED	Force switch request on ring	25322
UNIDENTIFIED	Force switch request on span	25323
UNIDENTIFIED	Lockout switch request on ring	25324
UNIDENTIFIED	Lockout switch request on span	25325
UNIDENTIFIED	Manual switch request on ring	25326
UNIDENTIFIED	Manual switch request on span	25327
EQPT	Peer-to-peer slot communication failure	25328
EQPT	Peer-to-peer slot communication failure	25329
EQPT	TCC A to shelf slot communication failure	25330
EQPT	TCC B to shelf slot communication failure	25331
EQPT	Interconnection equipment failure—working XC payload bus	25332
EQPT	Interconnection equipment failure—protect XC payload bus	25333
EQPT	Inhibit switch to protect request on equipment	25334
EQPT	Inhibit switch to working request on equipment	25335
BER_SD	BER threshold exceeded for signal degrade—line	25336
BER_SD	BER threshold exceeded for signal degrade—path	25337
BER_SF	BER threshold exceeded for signal failure—line	25338
BER_SF	BER threshold exceeded for signal failure—path	25339
UNIDENTIFIED	Exercising ring successfully	25340
UNIDENTIFIED	Exercising span successfully	25341
UNIDENTIFIED	Span is in wait-to-restore state	25342

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Peer card not responding	25343
UNIDENTIFIED	Exercise request on ring failed	25344
UNIDENTIFIED	Exercise request on span failed	25345
UNIDENTIFIED	Far-end lockout of protection—span	25346
EQPT	Manufacturing data memory (EEPROM) failure	25347
EQPT	Replaceable equipment/unit is missing	25348
ENV	Software download failure	25349
TIM	TIM section—trace identifier mismatch failure	25350
AIS	AIS—multiplex section—alarm indication signal	25351
RAI	RFI—multiplex section—remote failure/alarm indication	25352
TIM	TIM high order—trace identifier mismatch failure	25353
AU_AIS	AIS—administration unit—alarm indication signal	25354
LOP	LOP—administration unit—loss of pointer	25355
UNEQ	SLMF—unequipped high order—path unequipped	25356
PLM	SLMF—PLM high order—path label mismatch	25357
RAI	RFI—high order—remote failure/alarm indication	25358
LOP	LOP—tributary unit—loss of pointer	25359
TU-AIS	AIS—tributary unit—alarm indication signal	25360
UNEQ	SLMF—unequipped low order—path unequipped	25361
PLM	SLMF—PLM low order—path label mismatch	25362
TIM	TIM low order—trace identifier mismatch failure	25363
RAI	RFI—low order—remote failure/alarm indication	25364
UNIDENTIFIED	G811—primary reference clock traceable	25365
UNIDENTIFIED	G812—transit node clock traceable	25366
UNIDENTIFIED	G812—local node clock traceable	25367
UNIDENTIFIED	G813—synchronous equipment timing source traceable	25368
UNIDENTIFIED	E1 loopback due to FEAC command	25369
UNIDENTIFIED	E1 loopback command sent to far end	25370
UNIDENTIFIED	E3 loopback due to FEAC command	25371
ENV	Far-end multiple E1 LOS detected on E3	25372
ENV	Far-end E1 equipment failure non-service affecting	25373
ENV	Far-end E1 equipment failure service affecting	25374
ENV	Far-end single E1 LOS	25375
ENV	Far-end E3 equipment failure service affecting	25376
UNIDENTIFIED	E3 loopback command sent to far end	25377

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
ENV	Far-end E3 equipment failure non-service affecting	25378
ENV	Low voltage—battery A	25379
ENV	High voltage—battery A	25380
ENV	Low voltage—battery B	25381
ENV	High voltage—battery B	25382
UNIDENTIFIED	Procedural error—MS-SPRing out of sync	25383
UNIDENTIFIED	MS-SPRing tables resynchronized	25384
UNIDENTIFIED	Automatic SNCP switch caused by AIS	25385
UNIDENTIFIED	Automatic SNCP switch caused by LOP	25386
UNIDENTIFIED	Automatic SNCP switch caused by UNEQ	25387
UNIDENTIFIED	Automatic SNCP switch caused by PDI	25388
UNIDENTIFIED	Automatic SNCP switch caused by SFBER	25389
UNIDENTIFIED	Automatic SNCP switch caused by SDBER	25390
UNIDENTIFIED	STM concatenation error	25391
UNIDENTIFIED	E3 idle condition	25392
UNIDENTIFIED	IOS config copy failed	25393
UNIDENTIFIED	IOS config copy in progress	25394
UNIDENTIFIED	Alarms suppressed by user command	25399
UNIDENTIFIED	Alarms suppressed for maintenance	25400
UNIDENTIFIED	N/A	25401
UNIDENTIFIED	Synchronization reference frequency out of bounds	25402
UNIDENTIFIED	Ether Tx excess flow control	25403
UNIDENTIFIED	Ether Tx oversubscribed	25404
UNIDENTIFIED	Transport layer failure	25405
UNIDENTIFIED	Ether Rx excess flow control	25406
UNIDENTIFIED	Ether Rx oversubscribed	25407
UNIDENTIFIED	Ether Tx underrun	25408
UNIDENTIFIED	SNTP host failure	25409
UNIDENTIFIED	DS3 frame format mismatch	25410
UNIDENTIFIED	Alarms/events suppressed for this object	25411
BER_SD	BER threshold exceeded for signal degrade—high order	25412
BER_SF	BER threshold exceeded for signal failure—high order	25413
BER_SD	BER threshold exceeded for signal degrade—low order	25414
BER_SF	BER threshold exceeded for signal failure—low order	25415
UNIDENTIFIED	Failure to switch to protection—high order path	25416

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Failure to switch to protection—low order path	25417
UNIDENTIFIED	Wait to restore	25418
ENV	Extreme high voltage—battery A	25419
ENV	Extreme low voltage—battery A	25420
ENV	Extreme high voltage—battery B	25421
ENV	Extreme low voltage—battery B	25422
UNIDENTIFIED	Switching matrix module failure	25423
UNIDENTIFIED	Signaling unable to set up circuit	25424
UNIDENTIFIED	RSVP hello FSM to neighbor down	25425
UNIDENTIFIED	LMP hello FSM to control channel down	25426
UNIDENTIFIED	LMP neighbor discovery has failed	25427
UNIDENTIFIED	Unauthorized incoming signaling request	25428
UNIDENTIFIED	Signaled circuit going down	25429
UNIDENTIFIED	Autonomous PM report message inhibited	25430
EQPT	I/O slot to XCON communication failure	25431
UNIDENTIFIED	Forced switch to primary reference	25432
UNIDENTIFIED	Forced switch to secondary reference	25433
UNIDENTIFIED	Forced switch to third reference	25434
UNIDENTIFIED	Forced switch to internal clock	25435
LOM	LOF—administration unit—loss of multiframe	25436
UNIDENTIFIED	Admin logout of user	25438
UNIDENTIFIED	User locked out	25439
UNIDENTIFIED	Admin lockout of user	25440
UNIDENTIFIED	Admin lockout clear	25441
SECURITY_VIOLATION	Security—invalid login—username—see audit log	25442
SECURITY_VIOLATION	Security—invalid login—password—see audit log	25443
SECURITY_VIOLATION	Security—invalid login—locked out—see audit log	25444
SECURITY_VIOLATION	Security—invalid login—already logged on—see audit log	25445
UNIDENTIFIED	Login of user	25446
UNIDENTIFIED	Automatic logout of idle user	25447
UNIDENTIFIED	Logout of user	25448
UNIDENTIFIED	Cross-connect loopback	25451
UNIDENTIFIED	Error in startup config	25454
UNIDENTIFIED	No startup config	25455
EQPT	Laser approaching end of life	25456

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Database backup failed	25457
UNIDENTIFIED	Database restore failed	25458
UNIDENTIFIED	8B10B out of sync	25459
AIS	ODUk—alarm indication signal	25460
AIS	OTUk—alarm indication signal	25461
UNIDENTIFIED	OTUk—backward defect indicator	25462
UNIDENTIFIED	ODUk—backward defect indicator	25463
UNIDENTIFIED	FEC uncorrected word	25464
UNIDENTIFIED	GCC embedded operation channel failure	25465
UNIDENTIFIED	OTUk—incoming alignment error	25466
UNIDENTIFIED	ODUk—locked defect—PM	25467
LOM	Loss of multiframe	25468
UNIDENTIFIED	ODUk—open connection indication	25469
PLM	Payload type identifier mismatch	25470
TIM	ODUk—trail trace identifier mismatch	25471
TIM	OTUk—trail trace identifier mismatch	25472
EQPT	Equipment high laser bias	25473
EQPT	Equipment high laser temp	25474
EQPT	Equipment high laser Peltier	25475
EQPT	Equipment high Rx power	25476
EQPT	Equipment high Tx power	25477
EQPT	Equipment high Rx temperature	25478
EQPT	Equipment low Rx temperature	25479
EQPT	Equipment high transceiver voltage	25480
EQPT	Equipment low laser bias	25481
EQPT	Equipment low laser temp	25482
EQPT	Equipment low laser Peltier	25483
EQPT	Equipment low Rx power	25484
EQPT	Equipment low Tx power	25485
EQPT	Equipment low transceiver voltage	25486
EQPT	Equipment Rx locked	25487
EQPT	Equipment squelched	25488
EQPT	Equipment Tx locked	25489
BER_SF	OTUk—signal failure	25490
BER_SF	ODUk—signal failure	25491

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
BER_SD	OTUk—signal degrade	25492
BER_SD	ODUk—signal degrade	25493
UNIDENTIFIED	Pluggable port missing	25494
UNIDENTIFIED	Pluggable port rate mismatch	25495
SECURITY_VIOLATION	Pluggable port security code mismatch	25496
UNIDENTIFIED	TCI not selected	25497
UNIDENTIFIED	TCI 1 clock failure	25498
UNIDENTIFIED	ODUk—backward defect indicator	25499
UNIDENTIFIED	ODUk—backward defect indicator	25500
UNIDENTIFIED	ODUk—backward defect indicator	25501
UNIDENTIFIED	ODUk—open connection indication	25504
UNIDENTIFIED	ODUk—locked defect—TCM2	25505
AIS	ODUk—alarm indication signal	25506
TIM	ODUk—trail trace identifier mismatch	25507
BER_SD	ODUk—signal degrade—TCM2	25508
BER_SF	ODUk—signal failure—TCM2	25509
UNIDENTIFIED	ODUk—open connection indication	25510
UNIDENTIFIED	ODUk—locked defect—TCM1	25511
AIS	ODUk—alarm indication signal	25512
TIM	ODUk—trail trace identifier mismatch	25513
BER_SD	ODUk—signal degrade—TCM1	25514
BER_SF	ODUk—signal failure—TCM1	25515
LOF	OTUk—loss of frame	25516
UNIDENTIFIED	TCI 2 clock failure	25517
UNIDENTIFIED	Audit log 80 percent full	25518
UNIDENTIFIED	Module communication failure	25519
UNIDENTIFIED	Need to save running config	25520
UNIDENTIFIED	Audit log 100 percent full—oldest records will be lost	25521
UNIDENTIFIED	Standby database out of sync	25522
EQPT	Redundant power capability lost	25523
EQPT	Equipment wavelength mismatch	25524
UNIDENTIFIED	DSP communication failure	25525
UNIDENTIFIED	DSP failure	25526
UNIDENTIFIED	LAN connection polarity reversed	25527
UNIDENTIFIED	Loss of channel	25528

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	FEC mismatch	25529
UNIDENTIFIED	Optical power degrade low	25531
UNIDENTIFIED	Optical power degrade high	25532
SECURITY_VIOLATION	Security intrusion attempt detected—see audit log	25533
SECURITY_VIOLATION	Security intrusion attempt detected—see audit log	25534
UNIDENTIFIED	Variable optical attenuator degrade low	25536
UNIDENTIFIED	Variable optical attenuator degrade high	25537
UNIDENTIFIED	Variable optical attenuator failure low	25538
UNIDENTIFIED	Variable optical attenuator failure high	25539
UNIDENTIFIED	Laser bias degrade	25540
UNIDENTIFIED	Laser bias failure	25541
UNIDENTIFIED	Laser temperature degrade	25542
UNIDENTIFIED	Optical amplifier gain degrade low	25543
UNIDENTIFIED	Optical amplifier gain degrade high	25544
UNIDENTIFIED	Optical amplifier gain failure low	25545
UNIDENTIFIED	Optical amplifier gain failure high	25546
UNIDENTIFIED	Laser auto power reduction	25547
UNIDENTIFIED	Case temperature degrade	25548
UNIDENTIFIED	Fiber temperature degrade	25549
UNIDENTIFIED	Shutter open	25550
UNIDENTIFIED	AWG temperature degrade	25551
UNIDENTIFIED	AWG temperature failure	25552
UNIDENTIFIED	AWG over temperature	25553
UNIDENTIFIED	Shutter insertion loss variation degrade low	25554
UNIDENTIFIED	Shutter insertion loss variation degrade high	25555
UNIDENTIFIED	AWG warm up	25556
UNIDENTIFIED	Plug-in module communication failure	25557
UNIDENTIFIED	Optical amplifier initialization	25558
UNIDENTIFIED	Optical channel connection failure	25559
UNIDENTIFIED	Optical channel activation failure	25560
UNIDENTIFIED	Optical channel deactivation failure	25561
UNIDENTIFIED	Network topology incomplete	25562
UNIDENTIFIED	Optical network type mismatch	25563
UNIDENTIFIED	Automatic power control failure	25564
UNIDENTIFIED	Automatic power control disabled	25565

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Ring ID mismatch	25566
TIM	TIM section monitor—trace identifier mismatch failure	25569
UNIDENTIFIED	Optical channel incomplete	25570
UNIDENTIFIED	Enhanced remote failure indication—path—server	25571
UNIDENTIFIED	Enhanced remote failure indication—path—connectivity	25572
UNIDENTIFIED	Enhanced remote failure indication—path—payload	25573
UNIDENTIFIED	Automatic laser shutdown	25574
UNIDENTIFIED	Firewall has been disabled	25575
UNIDENTIFIED	Optical power failure low	25576
UNIDENTIFIED	Optical power failure high	25577
EQPT	Battery failure	25578
EQPT	Extreme high voltage	25579
EQPT	Extreme low voltage	25580
UNIDENTIFIED	High voltage	25581
UNIDENTIFIED	Low voltage	25582
UNIDENTIFIED	Connection equipment mismatch	25583
UNIDENTIFIED	Disable inactive user	25584
UNIDENTIFIED	Disable inactive user	25585
UNIDENTIFIED	Suspend user	25586
UNIDENTIFIED	Suspend user clear	25587
UNIDENTIFIED	Line DCC termination failure	25588
UNIDENTIFIED	Multiplex section DCC termination failure	25589
UNIDENTIFIED	Gigabit Ethernet out of sync	25590
AIS	Alarm indication signal in Tx	25591
AIS	Remote alarm indication in Tx	25592
LOF	Loss of frame in Tx	25593
LOS	Incoming signal loss on fibre channel interface	25594
UNIDENTIFIED	Incoming synchronization loss on fibre channel interface	25595
UNIDENTIFIED	Out of frame detected by GFP receiver	25596
UNIDENTIFIED	Client signal loss frames detected by GFP receiver	25597
UNIDENTIFIED	Client synchronization loss frames detected by GFP receiver	25598
UNIDENTIFIED	Sequence mismatch	25599
UNIDENTIFIED	Loss of alignment	25600
UNIDENTIFIED	Out of use—administrative command	25601
UNIDENTIFIED	Out of use—transport failure	25602

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	VCAT group down	25603
UNIDENTIFIED	VCAT group degraded	25604
UNIDENTIFIED	VCAT group incomplete	25605
UNIDENTIFIED	K byte channel failure	25606
UNIDENTIFIED	Industrial high temperature	25607
FOP_APS	APS invalid mode	25608
UNIDENTIFIED	IP address already in use within the same DCC area	25609
UNIDENTIFIED	Node name already in use within the same DCC area	25610
UNIDENTIFIED	Rear panel Ethernet link removed	25611
UNIDENTIFIED	Manual switch to protect resulted in no traffic switch	25612
UNIDENTIFIED	Manual switch back to working resulted in no traffic switch	25613
UNIDENTIFIED	Forced switch to protection resulted in no traffic switch	25614
UNIDENTIFIED	Forced switch back to working resulted in no traffic switch	25615
LOS	Incoming payload signal absent	25616
UNIDENTIFIED	Incoming overhead signal absent	25617
UNIDENTIFIED	Optical safety remote interlock on	25618
UNIDENTIFIED	OSPF hello fail	25619
UNIDENTIFIED	Automatic power control correction skipped	25620
UNIDENTIFIED	Plug-in module range settings mismatch	25621
UNIDENTIFIED	APC cannot set value due to range limits	25622
UNIDENTIFIED	Automatic WDM ANS finished	25623
UNIDENTIFIED	Port failure	25624
UNIDENTIFIED	Unreachable port target power	25625
UNIDENTIFIED	Port add power degrade low	25626
UNIDENTIFIED	Port add power degrade high	25627
UNIDENTIFIED	Port add power fail low	25628
UNIDENTIFIED	Port add power fail high	25629
UNIDENTIFIED	Equipment power failure at connector A	25630
UNIDENTIFIED	Equipment power failure at connector B	25631
UNIDENTIFIED	Equipment power failure at return connector A	25632
UNIDENTIFIED	Equipment power failure at return connector B	25633
UNIDENTIFIED	Far-end manual switch back to working—span	25634
UNIDENTIFIED	Far-end forced switch back to working—span	25635
UNIDENTIFIED	Universal transponder module hardware failure	25636
UNIDENTIFIED	Universal transponder module communication failure	25637

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Automatic power control terminated on manual request	25638
UNIDENTIFIED	Fibre channel distance extension credit starvation	25639
PLM	GFP user payload mismatch	25640
UNIDENTIFIED	GFP fibre channel distance extension mismatch	25641
UNIDENTIFIED	GFP fibre channel distance extension buffer starvation	25642
BER_SF	GFP client signal fail detected	25643
LOF	GFP loss of frame delineation	25644
UNIDENTIFIED	GFP extension header mismatch	25645
UNIDENTIFIED	Signal loss on data interface	25646
UNIDENTIFIED	Encapsulation mismatch—path	25647
UNIDENTIFIED	Encapsulation mismatch—VT	25648
UNIDENTIFIED	Encapsulation mismatch high order—path	25649
UNIDENTIFIED	Encapsulation mismatch low order—path	25650
UNIDENTIFIED	Synchronization loss on data interface	25651
AIS	ODUk-1—alarm indication signal	25652
AIS	ODUk-2—alarm indication signal	25653
AIS	ODUk-3—alarm indication signal	25654
AIS	ODUk-4—alarm indication signal	25655
UNIDENTIFIED	LCAS control word CRC check failure	25656
UNIDENTIFIED	Duplicate serial number detected on a pluggable entity	25657
UNIDENTIFIED	LCAS VCG member Tx side in DNU state	25658
UNIDENTIFIED	LCAS VCG member Tx side in ADD state	25659
UNIDENTIFIED	LCAS VCG member Rx side in FAIL state	25660
UNIDENTIFIED	Optimized 1+1 APS primary facility	25661
UNIDENTIFIED	Optimized 1+1 APS primary section mismatch	25662
UNIDENTIFIED	Optimized 1+1 APS invalid primary section	25663
UNIDENTIFIED	Composite clock high line voltage	25664
BER_SD	BER threshold exceeded for signal degrade—VT	25665
BER_SF	BER threshold exceeded for signal failure—VT	25666
UNIDENTIFIED	Alarms suppressed on out-of-group VCAT member	25667
UNIDENTIFIED	Span length out of range	25668
UNIDENTIFIED	Temperature reading mismatch between SC cards	25669
UNIDENTIFIED	Voltage reading mismatch between SC cards	25670
TIM	VT path trace identifier mismatch	25671
UNIDENTIFIED	BLSR software version mismatch	25672

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Bridge and roll occurred	25673
UNIDENTIFIED	Bridge and roll is pending a valid signal	25674
TIM	Open I/O slot(s)	25675
UNIDENTIFIED	ISIS adjacency failure	25676
SECURITY_VIOLATION	Session time limit expired	25677
SECURITY_VIOLATION	User password change required	25678
SECURITY_VIOLATION	Remote authentication fail	25679
TIM	Section trace identifier mismatch	25680
TIM	Regenerator section trace identifier mismatch	25681
UNIDENTIFIED	Switching matrix module failure—working	25682
UNIDENTIFIED	Switching matrix module failure—protect	25683
UNIDENTIFIED	Provisioning mismatch	25684
UNIDENTIFIED	Slot communication disabled	25685
UNIDENTIFIED	MSSP software version mismatch	25686
UNIDENTIFIED	Archival of audit log failed	25687
UNIDENTIFIED	RPR wrapped	25688
UNIDENTIFIED	Software mismatch	25689
UNIDENTIFIED	Link layer keepalive failure	25690
UNIDENTIFIED	Bad packet count exceeds threshold	25691
UNIDENTIFIED	Autonegotiation remote failure indication	25692
UNIDENTIFIED	Shelf communication failure	25693
UNIDENTIFIED	Duplicated shelf identifier	25694
UNIDENTIFIED	Ring is squelching STS traffic	25695
UNIDENTIFIED	Ring is squelching VT traffic	25696
UNIDENTIFIED	Clock bus failure—shelf controller A	25697
UNIDENTIFIED	Clock bus failure—shelf controller B	25698
UNIDENTIFIED	Loss of clock from mate shelf controller	25699
UNIDENTIFIED	Payload missing indication	25700
UNIDENTIFIED	Forward defect indication	25701
UNIDENTIFIED	Optical termination incomplete	25702
UNIDENTIFIED	Span loss not checked	25703
UNIDENTIFIED	Ring is squelching higher order traffic	25704
UNIDENTIFIED	Ring is squelching lower order traffic	25705
UNIDENTIFIED	Trail signal fail	25706
UNIDENTIFIED	DS1 loopback command sent to far end	25707

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Multiplex section—signal degraded	25708
UNIDENTIFIED	Multiplex section—excessive errors	25709
UNIDENTIFIED	High order path—signal degraded	25710
UNIDENTIFIED	High order path—excessive errors	25711
UNIDENTIFIED	Low order path—signal degraded	25712
UNIDENTIFIED	Low order path—excessive errors	25713
UNIDENTIFIED	Regenerator section—DCC termination failure	25714
UNIDENTIFIED	Network memory pool low	25715
UNIDENTIFIED	OSPF routing table overflow	25716
UNIDENTIFIED	Auto laser shutdown disabled	25717
UNIDENTIFIED	RPR protection is active	25718
UNIDENTIFIED	Max RPR station number exceeded	25719
UNIDENTIFIED	RPR protection configuration mismatched	25720
UNIDENTIFIED	Reserved bandwidth link rate exceeded on ringlet 0	25721
UNIDENTIFIED	Reserved bandwidth link rate exceeded on ringlet 1	25722
UNIDENTIFIED	RPR interface in pass-through mode	25723
UNIDENTIFIED	RPR peer node is missing	25724
UNIDENTIFIED	RPR RI failure	25725
UNIDENTIFIED	RPR signal failure	25726
UNIDENTIFIED	RPR signal degrade	25727
UNIDENTIFIED	RPR span mismatch	25728
UNIDENTIFIED	LMP failure	25729
UNIDENTIFIED	LMP signal degrade	25730
UNIDENTIFIED	LMP signal failure	25731
UNIDENTIFIED	LMP unallocated data link	25732
UNIDENTIFIED	APC wrong gain setpoint	25733
EQPT	Non-Cisco PPM inserted	25734
EQPT	Unqualified PPM inserted	25735
UNIDENTIFIED	Fast automatic protection switching	25736
UNIDENTIFIED	Fast automatic protection switching config mismatch	25737
UNIDENTIFIED	ADM peer cards interlink failure	25738
EQPT	Fan tray mismatch	25739
UNIDENTIFIED	Fibre channel distance extension function not established	25740
UNIDENTIFIED	LCAS sink group error	25741
UNIDENTIFIED	LCAS VCG member Rx side in DNU state	25742

Table A-24 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.0 and R8.0; ONS 15327 R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Card/ports unable to provide protection	25743
UNIDENTIFIED	TCC front port link loss	25744
UNIDENTIFIED	Shutter insertion loss variation degrade low	25745
UNIDENTIFIED	Shutter insertion loss variation degrade high	25746
UNIDENTIFIED	Idle signal condition	25747
UNIDENTIFIED	Idle signal condition in TX	25748
UNIDENTIFIED	Automatic power control correction skipped	25749
UNIDENTIFIED	Port add power fail low	25750
UNIDENTIFIED	Port add power fail high	25751
UNIDENTIFIED	Span length out of range	25752
UNIDENTIFIED	Port add power degrade low	25753
UNIDENTIFIED	Port add power degrade high	25754
UNIDENTIFIED	DCU loss failure	25755
UNIDENTIFIED	Syslog messages	28000
UNIDENTIFIED	Configuration events	28001
UNIDENTIFIED	Link up/link down trap	28002
UNIDENTIFIED	Cold/warm start trap	28003
UNIDENTIFIED	Authentication failure notification	28004

A.5.9 CTM GateWay/CORBA Mapping—ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.2

The following table lists the CTM GateWay/CORBA mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.2.

Table A-25 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R6.2

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
UNIDENTIFIED	Bad packet count exceeds threshold	DATA_CRC	25691
UNIDENTIFIED	Autonegotiation remote failure indication	AUTONEG_RFI	25692

A.5.10 CTM GateWay/CORBA Mapping—ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R8.5

The following table lists the CTM GateWay/CORBA mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R8.5.

Table A-26 CTM GateWay/CORBA Mapping for the ONS 15310 CL, ONS 15454 SONET, and ONS 15454 SDH R8.5

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	BERT enabled	25763
UNIDENTIFIED	BERT synchronization status failed	25764
UNIDENTIFIED	Work queue full	25765

A.5.11 CTM GateWay/CORBA Mapping—ONS 15501

The following table lists the CTM GateWay/CORBA mapping for the ONS 15501.

Table A-27 CTM GateWay/CORBA Mapping for the ONS 15501

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
ENV	Temperature out of range	14703
ENV	Electrical power level is unacceptable	14704
UNIDENTIFIED	Input signal level out of range	14705
UNIDENTIFIED	Output optical/signal level out of range	14706
UNIDENTIFIED	Communication with embedded controller failed	14707
UNIDENTIFIED	Measure signal gain is out of acceptable range	14714
UNIDENTIFIED	One or more of the laser pump(s) bad	14715

A.5.12 CTM GateWay/CORBA Mapping—ONS 15530

The following table lists the CTM GateWay/CORBA mapping for the ONS 15530.

Table A-28 CTM GateWay/CORBA Mapping for the ONS 15530

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
FAN Alarms		
EQPT	Two or more fans failed	9021
EQPT	One fan failed	9022
CPU Alarms		
UNIDENTIFIED	Unknown alarm detected	9051
EQPT	SRC diag failure	9052

Table A-28 CTM GateWay/CORBA Mapping for the ONS 15530 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	PCI diag failure	9053
EQPT	PCMCIA diag failure	9054
EQPT	Cannot access multiple line card	9055
EQPT	IDPROM/backplane slot mismatch	9056
EQPT	Cannot access backplane IDPROM	9057
EQPT	Inconsistent redun states	9058
EQPT	Read invalid SRC	9059
EQPT	Unprotected; peer missing	9060
EQPT	Unprotected; peer not responding	9061
EQPT	Standby with lower capabilities	9062
TSP Alarms		
EQPT	Access to TSP card failed	9501
EQPT	Access to IDPROM failed	9502
TX_FAIL	Line laser failure detected	9503
TX_DEGRADE	Trunk laser degrade detected	9504
UNIDENTIFIED	Trunk laser lambda deviation	9505
UNIDENTIFIED	Wavelength mismatch error	9506
MDSUBCARD Alarms		
EQPT	Access to IDPROM failed	9601
Client Port Alarms		
UNIDENTIFIED	Loss of lock event	9701
LOS	Loss of signal event	9702
UNIDENTIFIED	Loss of sync event	9703
LOF	SONET loss of frame event	9704
UNIDENTIFIED	SONET severely errored frame	9705
UNIDENTIFIED	Laser shut down by forward laser control	9706
UNIDENTIFIED	Laser shut down by open fibre control	9707
Wave Port Alarms		
UNIDENTIFIED	Loss of lock event	9801
LOS	Loss of signal event	9802
UNIDENTIFIED	Loss of sync event	9803
LOF	SONET loss of frame event	9804
UNIDENTIFIED	SONET severely errored frame	9805
UNIDENTIFIED	Laser shut down by forward laser control	9806
UNIDENTIFIED	Laser shut down by laser safety control	9807
UNIDENTIFIED	Link down	9903

Table A-28 CTM GateWay/CORBA Mapping for the ONS 15530 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
Chassis Alarm		
EQPT	Chassis fan tray missing	12601
ENV	Chassis temp > critical limit	12602
ENV	Chassis temp > major limit	12603
ENV	Chassis temp > minor limit	12604
ENV	Chassis temp less than –5 C	12605
ENV	Chassis power supply 0 missing	12606
ENV	Chassis power supply 1 missing	12607
Power Supply Alarms		
EQPT	Power supply unit failed	12701
Wave OSC Alarms		
UNIDENTIFIED	Loss of lock event	10101
OSC_LOS	Loss of signal event	10102
Wave Ethernet Phy Alarms		
UNIDENTIFIED	Loss of lock event	10201
LOS	Loss of signal event	10202
UNIDENTIFIED	Loss of sync event	10203
UNIDENTIFIED	Laser shut down by forward laser control	10206
UNIDENTIFIED	Laser shut down by laser safety control	10207
Ten Gig Ethernet Phy Alarms		
UNIDENTIFIED	Loss of lock event	10301
LOS	Loss of signal event	10302
UNIDENTIFIED	Loss of sync event	10303
UNIDENTIFIED	Laser shut down by forward laser control	10306
UNIDENTIFIED	Laser shut down by laser safety control	10307
ESCON Port Alarms		
UNIDENTIFIED	Loss of lock event	10401
LOS	Loss of signal event	10402
UNIDENTIFIED	Loss of sync event	10403
UNIDENTIFIED	Laser disabled event	10411
UNIDENTIFIED	Local failure, laser disabled	10412
ESCON SFP Alarms		
TX_FAIL	Transmit laser failed	10501
10G Card Alarms		
EQPT	Access to 10G card failed	10601
EQPT	Access to IDPROM failed	10602

Table A-28 CTM GateWay/CORBA Mapping for the ONS 15530 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Ethernet DCC loopback from PSC failed	10603
EQPT	10G internal loopback failed	10604
EQPT	10G internal loopback through PSC failed	10605
TX_FAIL	Laser failure detected	10606
UNIDENTIFIED	Laser wavelength deviation	10607
ESCON Card Alarms		
EQPT	Access to ESCON card failed	10701
EQPT	Access to IDPROM failed	10702
EQPT	ESCON card internal loopback failed	10703
EQPT	ESCON card internal loopback through PSC failed	10704
OSC MB Alarms		
EQPT	Access to card failed	10801
EQPT	Access to IDPROM failed	10802
UNIDENTIFIED	Ethernet DCC loopback from PSC failed	10803
OSC Subcard Alarms		
EQPT	Access to card failed	10901
EQPT	Access to IDPROM failed	10902
UNIDENTIFIED	Ethernet DCC loopback from OSCMB failed	10903
TX_FAIL	Laser failure detected	10904
UNIDENTIFIED	Laser wavelength deviation	10905
VOA and PEQ SubCard Alarms		
EQPT	Access to card failed	11001
EQPT	Access to IDPROM failed	11002
IF-THRESHOLD Alarms		
UNIDENTIFIED	CVRD failure threshold exceeded	9976
UNIDENTIFIED	CVRD degrade threshold exceeded	9977
UNIDENTIFIED	CDL HEC failure threshold exceeded	9978
UNIDENTIFIED	CDL HEC degrade threshold exceeded	9979
UNIDENTIFIED	SONET/SDH CV-S failure threshold exceeded	9980
UNIDENTIFIED	SONET/SDH CV-S degrade threshold exceeded	9981
UNIDENTIFIED	CDL header CRC failure threshold exceeded	9982
UNIDENTIFIED	CDL header CRC degrade threshold exceeded	9983
UNIDENTIFIED	ESCON encapsulation packet errors failure threshold exceeded	9984
UNIDENTIFIED	ESCON encapsulation packet errors degrade threshold exceeded	9985
CDL Alarms		
UNIDENTIFIED	CDL hop-by-hop backward defect indication	10001

Table A-28 CTM GateWay/CORBA Mapping for the ONS 15530 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	CDL hop-by-hop forward defect indication	10002
UNIDENTIFIED	CDL end-by-end forward defect indication	10003
UNIDENTIFIED	CDL end-by-end backward defect indication	10004
Transceiver Alarms		
TX_FAIL	Laser failure	11501
2.5G Card Alarms		
EQPT	Access to 2.5G card failed	11601
EQPT	Access to IDPROM failed	11602
UNIDENTIFIED	Ethernet DCC loopback from PSC failed	11603
EQPT	2.5G internal loopback failed	11604
EQPT	2.5G internal loopback through PSC failed	11605
TX_FAIL	Laser failure detected	11606
UNIDENTIFIED	Laser wavelength deviation	11607
FCGE Card Alarms		
EQPT	Access to card failed	11701
EQPT	Access to IDPROM failed	11702
EQPT	Card internal loopback failed	11704
EQPT	Card internal loopback through PSC failed	11705

A.5.13 CTM GateWay/CORBA Mapping—ONS 15540

The following table lists the CTM GateWay/CORBA mapping for the ONS 15540.

Table A-29 CTM GateWay/CORBA Mapping for the ONS 15540

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
Chassis Alarms		
EQPT	Chassis fan tray missing	9001
ENV	Chassis temp > critical limit	9002
ENV	Chassis temp > major limit	9003
ENV	Chassis temp > minor limit	9004
ENV	Chassis temp less than –15 C	9005
ENV	Chassis power supply A failed	9006
ENV	Chassis power supply B failed	9007
FAN Alarms		
EQPT	Two or more fans failed	9021

Table A-29 CTM GateWay/CORBA Mapping for the ONS 15540 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	One fan failed	9022
CPU Alarms		
UNIDENTIFIED	Unknown alarm detected	9051
EQPT	SRC diag failure	9052
EQPT	PCI diag failure	9053
EQPT	PCMCIA diag failure	9054
EQPT	Cannot access multiple line card	9055
EQPT	IDPROM/backplane slot mismatch	9056
EQPT	Cannot access backplane IDPROM	9057
EQPT	Inconsistent redun states	9058
EQPT	Read invalid SRC	9059
EQPT	Unprotected; peer missing	9060
EQPT	Unprotected; peer not responding	9061
EQPT	Standby with lower capabilities	9062
LCMB Alarms		
EQPT	Access to LRC failed	9201
EQPT	Access to IDPROM failed	9202
UNIDENTIFIED	Waveport 0 opt switch failed	9203
UNIDENTIFIED	Waveport 1 opt switch failed	9204
UNIDENTIFIED	Waveport 2 opt switch failed	9205
UNIDENTIFIED	Waveport 3 opt switch failed	9206
UNIDENTIFIED	Ethernet DCC loopback from PSC failed	9207
MDMBOSC Alarms		
EQPT	Access to LRC failed	9301
EQPT	Access to IDPROM failed	9302
EQPT	OSC hardware failure detected	9303
TX_FAIL	Trunk laser failure detected	9304
UNIDENTIFIED	Trunk laser lambda deviation	9305
UNIDENTIFIED	Ethernet DCC loopback from PSC failed	9306
MDMB Alarms		
EQPT	Access to LRC failed	9401
EQPT	Access to IDPROM failed	9402
UNIDENTIFIED	Ethernet DCC loopback from PSC failed	9406
TSP1 Alarms		
EQPT	Access to TSP card failed	9501

Table A-29 CTM GateWay/CORBA Mapping for the ONS 15540 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Access to IDPROM failed	9502
TX_FAIL	Line laser failure detected	9503
TX_FAIL	Trunk laser failure detected	9504
UNIDENTIFIED	Trunk laser lambda deviation	9505
UNIDENTIFIED	Wavelength mismatch error	9506
MD Subcard Alarms		
EQPT	Access to IDPROM failed	9601
Client Port Alarms		
UNIDENTIFIED	Loss of lock event	9701
LOS	Loss of signal event	9702
UNIDENTIFIED	Loss of sync event	9703
LOF	SONET loss of frame event	9704
UNIDENTIFIED	SONET severely errored frame	9705
UNIDENTIFIED	Laser shut down by forward laser control	9706
UNIDENTIFIED	Laser shut down by open fibre control	9707
Wave Port Alarms		
UNIDENTIFIED	Loss of lock event	9801
LOS	Loss of signal event	9802
UNIDENTIFIED	Loss of sync event	9803
LOF	SONET loss of frame event	9804
UNIDENTIFIED	SONET severely errored frame	9805
UNIDENTIFIED	Laser shut down by forward laser control	9806
UNIDENTIFIED	Laser shut down by laser safety control	9807
UNIDENTIFIED	Link down	9903
IF-THRESHOLD Alarms		
UNIDENTIFIED	CVRD failure threshold exceeded	9976
UNIDENTIFIED	CVRD degrade threshold exceeded	9977
UNIDENTIFIED	HEC failure threshold exceeded	9978
UNIDENTIFIED	HEC degrade threshold exceeded	9979
UNIDENTIFIED	SONET/SDH CV-S failure threshold exceeded	9980
UNIDENTIFIED	SONET/SDH CV-S degrade threshold exceeded	9981
CDL Alarms		
UNIDENTIFIED	CDL hop-by-hop backward defect indication	10001
UNIDENTIFIED	CDL hop-by-hop forward defect indication	10002
UNIDENTIFIED	CDL end-by-end forward defect indication	10003

Table A-29 CTM GateWay/CORBA Mapping for the ONS 15540 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	CDL end-by-end backward defect indication	10004
Wave Ethernet Phy Alarms		
UNIDENTIFIED	Loss of lock event	10201
LOS	Loss of signal event	10202
UNIDENTIFIED	Loss of sync event	10203
UNIDENTIFIED	Laser shut down by forward laser control	10206
UNIDENTIFIED	Laser shut down by laser safety control	10207
Ten Gig Ethernet Phy Alarms		
UNIDENTIFIED	Loss of lock event	10301
LOS	Loss of signal event in Cisco OPT-MON-MIB	10302
UNIDENTIFIED	Loss of sync event	10303
UNIDENTIFIED	Laser shut down by forward laser control	10306
UNIDENTIFIED	Trunk laser shut down by laser safety control	10307
10G Card Alarms		
EQPT	Access to card failed	11101
EQPT	Access to IDPROM failed	11102
EQPT	10G internal loopback failed	11103
TX_FAIL	Line laser failed	11104
TX_FAIL	Trunk laser failure	11105
UNIDENTIFIED	Trunk laser wavelength deviation	11106
10G MB Alarms		
EQPT	Access to LRC failed	11201
EQPT	Access to IDPROM failed	11202
UNIDENTIFIED	Waveport 0 opt switch failed	11203
UNIDENTIFIED	Waveport 1 opt switch failed	11204
UNIDENTIFIED	Waveport 2 opt switch failed	11205
UNIDENTIFIED	Waveport 3 opt switch failed	11206
UNIDENTIFIED	Ethernet DCC loopback from PSC failed	11207
Dummy TSP for 10GE Alarms		
EQPT	Access to subcard failed	11301
EQPT	Access to IDPROM failed	11302
TSP2 Alarms		
EQPT	Access to TSP2 card failed	11401
EQPT	Access to IDPROM failed	11402
TX_FAIL	Line laser failure	11403

Table A-29 CTM GateWay/CORBA Mapping for the ONS 15540 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
TX_FAIL	Trunk laser failure detected	11404
UNIDENTIFIED	Trunk laser lambda deviation	11405
Transceiver Alarms		
TX_FAIL	Laser failure	11501

A.5.14 Optical Monitoring Alarms—ONS 15530 and ONS 15540

The following table lists the optical monitoring alarms applicable to both the ONS 15530 and ONS 15540.

Table A-30 Optical Monitoring Alarms for the ONS 15530 and ONS 15540

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
Power Optical Monitor Alarms		
UNIDENTIFIED	Rx optical power exceeds high alarm threshold	14501
UNIDENTIFIED	Tx optical power exceeds high alarm threshold	14502
UNIDENTIFIED	Rx optical power exceeds high warning threshold	14503
UNIDENTIFIED	Tx optical power exceeds high warning threshold	14504
UNIDENTIFIED	Rx optical power below low alarm threshold	14505
UNIDENTIFIED	Tx optical power exceeds high alarm threshold	14506
UNIDENTIFIED	Rx optical power below low warning threshold	14507
UNIDENTIFIED	Tx optical power below low warning threshold	14508
AC Power Optical Monitor Alarms		
UNIDENTIFIED	Rx optical AC power exceeds high alarm threshold	14516
UNIDENTIFIED	Tx optical AC power exceeds high alarm threshold	14517
UNIDENTIFIED	Rx optical AC power exceeds high warning threshold	14518
UNIDENTIFIED	Tx optical AC power exceeds high warning threshold	14519
UNIDENTIFIED	Rx optical AC power below low alarm threshold	14520
UNIDENTIFIED	Tx optical AC power below low alarm threshold	14521
UNIDENTIFIED	Rx optical AC power below low warning threshold	14522
UNIDENTIFIED	Tx optical AC power below low warning threshold	14523
Ambient Temp Power Optical Monitor Alarms		
UNIDENTIFIED	Rx ambient temp exceeds high alarm threshold	14531
UNIDENTIFIED	Tx ambient temp exceeds high alarm threshold	14532
UNIDENTIFIED	Rx ambient temp exceeds high warning threshold	14533
UNIDENTIFIED	Tx ambient temp exceeds high warning threshold	14534

Table A-30 Optical Monitoring Alarms for the ONS 15530 and ONS 15540 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Rx ambient temp below low alarm threshold	14535
UNIDENTIFIED	Tx ambient temp below low alarm threshold	14536
UNIDENTIFIED	Rx ambient temp below low warning threshold	14537
UNIDENTIFIED	Tx ambient temp below low warning threshold	14538
Laser Temp Power Optical Monitor Alarms		
UNIDENTIFIED	Rx laser temp exceeds high alarm threshold	14546
UNIDENTIFIED	Tx laser temp exceeds high alarm threshold	14547
UNIDENTIFIED	Rx laser temp exceeds high warning threshold	14548
UNIDENTIFIED	Tx laser temp exceeds high warning threshold	14549
UNIDENTIFIED	Rx laser temp below low alarm threshold	14550
UNIDENTIFIED	Tx laser temp below low alarm threshold	14551
UNIDENTIFIED	Rx laser temp below low warning threshold	14552
UNIDENTIFIED	Tx laser temp below low warning threshold	14553
Bias Temp Monitor Alarms		
UNIDENTIFIED	Rx bias current exceeds high alarm threshold	14561
UNIDENTIFIED	Tx bias current exceeds high alarm threshold	14562
UNIDENTIFIED	Rx bias current exceeds high warning threshold	14563
UNIDENTIFIED	Tx bias current exceeds high warning threshold	14564
UNIDENTIFIED	Rx bias current below low alarm threshold	14565
UNIDENTIFIED	Tx bias current below low alarm threshold	14566
UNIDENTIFIED	Rx bias current below low warning threshold	14567
UNIDENTIFIED	Tx bias current below low warning threshold	14568
Laser Peltier Current Monitor Alarms		
UNIDENTIFIED	Rx laser Peltier current exceeds high alarm threshold	14576
UNIDENTIFIED	Tx laser Peltier current exceeds high alarm threshold	14577
UNIDENTIFIED	Rx laser Peltier current exceeds high warning threshold	14578
UNIDENTIFIED	Tx laser Peltier current exceeds high warning threshold	14579
UNIDENTIFIED	Rx laser Peltier current below low alarm threshold	14580
UNIDENTIFIED	Tx laser Peltier current below low alarm threshold	14581
UNIDENTIFIED	Rx laser Peltier current below low warning threshold	14582
UNIDENTIFIED	Tx laser Peltier current below low warning threshold	14583
Transceiver Voltage Monitor Alarms		
UNIDENTIFIED	Rx transceiver voltage exceeds high alarm threshold	14591
UNIDENTIFIED	Tx transceiver voltage exceeds high alarm threshold	14592
UNIDENTIFIED	Rx transceiver voltage exceeds high warning threshold	14593
UNIDENTIFIED	Tx transceiver voltage exceeds high warning threshold	14594

Table A-30 Optical Monitoring Alarms for the ONS 15530 and ONS 15540 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Rx transceiver voltage below low alarm threshold	14595
UNIDENTIFIED	Tx transceiver voltage below low alarm threshold	14596
UNIDENTIFIED	Rx transceiver voltage below low warning threshold	14597
UNIDENTIFIED	Tx transceiver voltage below low warning threshold	14598

A.5.15 CTM GateWay/CORBA Mapping—ONS 15600 SONET

A.5.15.1 ONS 15600 SONET R1.3.1

The following table lists the CTM GateWay/CORBA mapping for the ONS 15600 SONET R1.3.1.

Table A-31 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R1.3.1

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Normal condition	17000
EQPT	Alarms/events suppressed for this object	17001
DCC_FAILURE	DCC channel loss	17002
DCC_FAILURE	SDCC termination failure	17003
AIS	Alarm indication signal	17004
AIS	Alarm indication signal—line	17005
AIS	Alarm indication signal—path	17006
FOP_APS	Byte failure	17007
FOP_APS	Protection switching channel match failure	17008
FOP_APS	Automatic protection switch mode mismatch	17009
FOP_APS	Connection loss	17010
FOP_APS	Default K byte	17011
FOP_APS	Far-end protection line failure	17012
ENV	APS channel—far-end protection line signal degrade	17013
FOP_APS	Improper APS code	17014
FOP_APS	Inconsistent APS code	17015
FOP_APS	Node ID mismatch	17016
UNIDENTIFIED	STS concatenation error	17017
LOF	Loss of frame	17018
LOP	Loss of pointer—path	17019
LOS	Loss of signal	17020
RAI	Remote failure indication—line	17021

Table A-31 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R1.3.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
RAI	Remote failure indication—path	17022
BER_SD	BER threshold exceeded for signal degrade—line	17023
BER_SD	BER threshold exceeded for signal degrade—path	17024
ENV	Far-end BER threshold passed for signal degrade—ring	17025
ENV	Far-end BER threshold passed for signal degrade—span	17026
BER_SF	BER threshold exceeded for signal failure—line	17027
BER_SF	BER threshold exceeded for signal failure—path	17028
ENV	Far-end BER threshold passed for signal failure—ring	17029
ENV	Far-end BER threshold passed for signal failure—span	17030
UNIDENTIFIED	Payload defect indication—path	17031
UNEQ	Unequipped—path	17032
UNIDENTIFIED	Don’t use for synchronization	17033
UNIDENTIFIED	Failed to receive synchronization status message	17034
UNIDENTIFIED	Synchronization status messages are disabled on this interface	17035
UNIDENTIFIED	Primary reference source—stratum 1 traceable	17036
UNIDENTIFIED	Reserved for network synchronization use	17037
UNIDENTIFIED	SONET minimum clock traceable	17038
UNIDENTIFIED	Stratum 2 traceable	17039
UNIDENTIFIED	Stratum 3 traceable	17040
UNIDENTIFIED	Stratum 3E traceable	17041
UNIDENTIFIED	Stratum 4 traceable	17042
UNIDENTIFIED	Synchronized—traceability unknown	17043
UNIDENTIFIED	Transit node clock traceable	17044
UNIDENTIFIED	Fifth synchronization reference failure	17045
UNIDENTIFIED	Fourth synchronization reference failure	17046
UNIDENTIFIED	Synchronization reference frequency out of bounds	17047
UNIDENTIFIED	Primary synchronization reference failure	17048
UNIDENTIFIED	Secondary synchronization reference failure	17049
UNIDENTIFIED	Sixth synchronization reference failure	17050
UNIDENTIFIED	Third synchronization reference failure	17051
TIM	STS path trace identifier mismatch	17052
ENV	NE power failure at connector A	17053
ENV	NE power failure at connector B	17054
EQPT	Power fuse failure	17055
ENV	Failure detected external to the NE	17056

Table A-31 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R1.3.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Extra traffic preempted	17057
UNIDENTIFIED	Free running synchronization mode	17058
UNIDENTIFIED	Stratum 3E fast start synchronization mode	17059
UNIDENTIFIED	Holdover synchronization mode	17060
UNIDENTIFIED	Autonomous messages inhibited	17061
UNIDENTIFIED	Autonomous PM report message inhibited	17062
ENV	Airflow failure	17063
EQPT	Equipment fails to boot	17064
UNIDENTIFIED	Connection ID mismatch on CXC 0	17065
UNIDENTIFIED	Connection ID mismatch on CXC 1	17066
EQPT	Clock module failure	17067
EQPT	Control bus failure—TSC 0	17068
EQPT	Control bus failure—TSC 1	17069
EQPT	Clock bus failure—TSC 0	17070
EQPT	Clock bus failure—TSC 1	17071
EQPT	Control communication equipment failure	17072
EQPT	Primary nonvolatile backup memory failure	17073
EQPT	Manufacturing data memory (EEPROM) failure	17074
EQPT	Payload bus failure—CXC 0	17075
EQPT	Payload bus failure—CXC 1	17076
UNIDENTIFIED	CXC operations suspended	17077
EQPT	Equipment failure	17078
EQPT	Equipment failure—high temperature	17080
EQPT	Invalid MAC address	17081
UNIDENTIFIED	Failure to switch to protection—path	17083
UNIDENTIFIED	Failure to switch to protection—ring	17084
UNIDENTIFIED	Failure to switch to protection—span	17085
EQPT	Fan failure	17086
EQPT	Partial fan failure—speed degradation	17087
EQPT	Partial fan failure—parts failure	17088
EQPT	Clock module frequency mismatch	17089
UNIDENTIFIED	OSPF hello fail	17090
EQPT	Laser bias current high	17091
EQPT	High laser temperature	17092
UNIDENTIFIED	Different software version	17093

Table A-31 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R1.3.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Synchronization equipment unavailable	17094
EQPT	Unprotected synchronization equipment	17095
EQPT	Unprotected matrix equipment	17096
UNIDENTIFIED	System upgrade in progress	17097
EQPT	Matrix equipment unavailable	17098
UNIDENTIFIED	Mismatch of equipment and attributes	17099
ENV	Software fault—data integrity fault	17100
UNIDENTIFIED	Loopback—cross connect	17101
UNIDENTIFIED	Loopback facility	17102
UNIDENTIFIED	Loopback payload	17103
UNIDENTIFIED	Loopback, terminal	17104
SECURITY_VIOLATION	Security—invalid login (see audit trail)	17105
SECURITY_VIOLATION	Invalid login attempt threshold exceeded	17106
UNIDENTIFIED	Performance monitor threshold crossing alert	17107
EQPT	Improper removal	17108
UNIDENTIFIED	Both ends of fiber provisioned as east, or both as west	17109
EQPT	Equipment power failure	17110
EQPT	Equipment power failure at connector A	17111
EQPT	Equipment power failure at connector B	17112
EQPT	Equipment power failure at return connector A	17113
EQPT	Equipment power failure at return connector B	17114
UNIDENTIFIED	Automatic system reset	17115
UNIDENTIFIED	Automatic path-protection switch caused by AIS	17116
UNIDENTIFIED	Automatic path-protection switch caused by LOP	17117
UNIDENTIFIED	Automatic path-protection switch caused by PDI	17118
UNIDENTIFIED	Automatic path-protection switch caused by SDBER	17119
UNIDENTIFIED	Automatic path-protection switch caused by SFBER	17120
UNIDENTIFIED	Automatic path-protection switch caused by UNEQ	17121
UNIDENTIFIED	Exercise request on ring	17123
UNIDENTIFIED	Far-end exercise ring	17124
UNIDENTIFIED	Exercise span	17125
UNIDENTIFIED	Far-end exercise span	17126
UNIDENTIFIED	Force switch request on facility/equipment	17127
UNIDENTIFIED	Force switch request on ring	17128
UNIDENTIFIED	Force switch request on span	17129

Table A-31 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R1.3.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Far-end working facility forced to switch to protect—ring	17130
UNIDENTIFIED	Far-end working facility forced to switch to protect—span	17131
UNIDENTIFIED	Far-end lockout of protection—all spans	17132
UNIDENTIFIED	Far-end lockout of protection—ring	17133
UNIDENTIFIED	Far-end lockout of working—ring	17134
UNIDENTIFIED	Far-end lockout of working—span	17135
UNIDENTIFIED	Lockout switch request on facility/equipment	17136
UNIDENTIFIED	Lockout switch request on ring	17137
UNIDENTIFIED	Lockout of protection	17138
UNIDENTIFIED	Lockout of protection—ring	17139
UNIDENTIFIED	Lockout of protection—span	17140
UNIDENTIFIED	Lockout of working—ring	17141
UNIDENTIFIED	Lockout of working—span	17142
UNIDENTIFIED	Manual system reset	17143
UNIDENTIFIED	Far-end manual switch of working facility to protect—ring	17144
UNIDENTIFIED	Far-end manual switch of working facility to protect—span	17145
UNIDENTIFIED	Manual switch to internal clock	17148
UNIDENTIFIED	Manual switch to primary reference	17149
UNIDENTIFIED	Manual switch to second reference	17150
UNIDENTIFIED	Manual switch to third reference	17152
UNIDENTIFIED	Manual switch request on facility/equipment	17153
UNIDENTIFIED	Manual switch request on ring	17154
UNIDENTIFIED	Manual switch request on span	17155
UNIDENTIFIED	Powerfail restart	17156
UNIDENTIFIED	Ring switch is active on the east side	17157
UNIDENTIFIED	Ring switch is active on the west side	17158
UNIDENTIFIED	Span switch is active on the east side	17159
UNIDENTIFIED	Span switch is active on the west side	17160
UNIDENTIFIED	Ring is squelching traffic	17161
UNIDENTIFIED	Squelching path	17162
UNIDENTIFIED	Software download in progress	17163
UNIDENTIFIED	Switch to primary reference	17166
UNIDENTIFIED	Switch to second reference	17167
UNIDENTIFIED	Switch to third reference	17169
ENV	System reboot	17170

Table A-31 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R1.3.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Switched back to working unit	17171
UNIDENTIFIED	Switched to protection unit	17172
UNIDENTIFIED	Warm restart	17173
UNIDENTIFIED	Waiting to restore	17174
UNIDENTIFIED	Bridge and roll occurred	17175
UNIDENTIFIED	Bridge and roll is pending a valid signal	17176
UNIDENTIFIED	Inhibit switch to protect request on equipment	17177
UNIDENTIFIED	Inhibit switch to working request on equipment	17178
UNIDENTIFIED	Exercise request on ring failed	17179
UNIDENTIFIED	Exercise request on span failed	17180
UNIDENTIFIED	Exercising ring successfully	17181
UNIDENTIFIED	Exercising span successfully	17182
UNIDENTIFIED	Unidirectional full pass-through is active	17185
UNIDENTIFIED	Bidirectional full pass-through is active	17186
UNIDENTIFIED	K bytes pass-through is active	17187
UNIDENTIFIED	Ring is segmented	17188
UNIDENTIFIED	Ring topology is under construction	17189
UNIDENTIFIED	Duplicate node ID	17190
UNIDENTIFIED	Far end of fiber is provisioned with different ring ID	17191
UNIDENTIFIED	BLSR multinode table update completed	17192
UNIDENTIFIED	BLSR out of sync	17193
UNIDENTIFIED	Far-end lockout of protection—span	17194
UNIDENTIFIED	Admin logout of user	17196
UNIDENTIFIED	Admin lockout of user	17197
UNIDENTIFIED	Admin lockout clear	17198
UNIDENTIFIED	Automatic logout of idle user	17199
UNIDENTIFIED	Login of user	17200
SECURITY_VIOLATION	Invalid login—locked out	17201
SECURITY_VIOLATION	Invalid login—already logged on	17202
SECURITY_VIOLATION	Invalid login—password	17203
SECURITY_VIOLATION	Invalid login—username	17204
UNIDENTIFIED	Logout of user	17205
UNIDENTIFIED	User locked out	17206
UNIDENTIFIED	Audit log 80 percent full	17207
UNIDENTIFIED	Audit log 100 percent full	17208

Table A-31 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R1.3.1 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	TSC switched to alternate Ethernet port	17209
UNIDENTIFIED	Open I/O slot(s)	17210
UNIDENTIFIED	Software download failed	17211
UNIDENTIFIED	SNTP host failure	17212
UNIDENTIFIED	Equipment boot in progress	17213

A.5.15.2 ONS 15600 SONET R5.0

The following table lists the CTM GateWay/CORBA mapping for the ONS 15600 SONET R5.0.

Table A-32 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R5.0

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Alarms/events suppressed for this object	17501
UNIDENTIFIED	Audit log 100 percent full	17502
UNIDENTIFIED	Audit log 80 percent full	17503
UNIDENTIFIED	BLSR out of sync	17504
UNIDENTIFIED	BLSR multinode table update completed	17505
UNIDENTIFIED	TSC switched to alternate Ethernet port	17506
ENV	Failure detected external to the NE	17507
DCC_FAILURE	DCC channel loss	17508
DCC_FAILURE	SDCC termination failure	17509
AIS	Alarm indication signal	17510
AIS	Alarm indication signal—line	17511
AIS	Alarm indication signal—path	17512
FOP_APS	Byte failure	17513
FOP_APS	Protection switching channel match failure	17514
FOP_APS	Automatic protection switch mode mismatch	17515
FOP_APS	Connection loss	17516
FOP_APS	Default K byte	17517
FOP_APS	Far-end protection line failure	17518
ENV	APS channel—far-end protection line signal degrade	17519
FOP_APS	Improper APS code	17520
FOP_APS	Inconsistent APS code	17521
FOP_APS	Node ID mismatch	17522
UNIDENTIFIED	STS concatenation error	17523

Table A-32 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
LOF	Loss of frame	17524
LOP	Loss of pointer—path	17525
LOS	Loss of signal	17526
RAI	Remote failure indication—line	17527
RAI	Remote failure indication—path	17528
BER_SD	BER threshold exceeded for signal degrade—line	17529
BER_SD	BER threshold exceeded for signal degrade—path	17530
ENV	Far-end BER threshold passed for signal degrade—ring	17531
ENV	Far-end BER threshold passed for signal degrade—span	17532
BER_SF	BER threshold exceeded for signal failure—line	17533
BER_SF	BER threshold exceeded for signal failure—path	17534
ENV	Far-end BER threshold passed for signal failure—ring	17535
ENV	Far-end BER threshold passed for signal failure—span	17536
UNIDENTIFIED	Payload defect indication—path	17537
UNEQ	Unequipped—path	17538
UNIDENTIFIED	Don’t use for synchronization	17539
UNIDENTIFIED	Failed to receive synchronization status message	17540
UNIDENTIFIED	Synchronization status messages are disabled on this interface	17541
UNIDENTIFIED	Primary reference source—stratum 1 traceable	17542
UNIDENTIFIED	Reserved for network synchronization use	17543
UNIDENTIFIED	SONET minimum clock traceable	17544
UNIDENTIFIED	Stratum 2 traceable	17545
UNIDENTIFIED	Stratum 3 traceable	17546
UNIDENTIFIED	Stratum 3E traceable	17547
UNIDENTIFIED	Stratum 4 traceable	17548
UNIDENTIFIED	Synchronized—traceability unknown	17549
UNIDENTIFIED	Transit node clock traceable	17550
UNIDENTIFIED	Fifth synchronization reference failure	17551
UNIDENTIFIED	Fourth synchronization reference failure	17552
UNIDENTIFIED	Synchronization reference frequency out of bounds	17553
UNIDENTIFIED	Primary synchronization reference failure	17554
UNIDENTIFIED	Secondary synchronization reference failure	17555
UNIDENTIFIED	Sixth synchronization reference failure	17556
UNIDENTIFIED	Third synchronization reference failure	17557
TIM	STS path trace identifier mismatch	17558

Table A-32 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
ENV	NE power failure at connector A	17559
ENV	NE power failure at connector B	17560
EQPT	Power fuse failure	17561
UNIDENTIFIED	Free running synchronization mode	17562
UNIDENTIFIED	Stratum 3E fast start synchronization mode	17563
UNIDENTIFIED	Holdover synchronization mode	17564
UNIDENTIFIED	Autonomous messages inhibited	17565
UNIDENTIFIED	Autonomous PM report message inhibited	17566
UNIDENTIFIED	Mismatch of equipment and attributes	17567
UNIDENTIFIED	Ring topology is under construction	17568
ENV	Software fault—data integrity fault	17569
ENV	Airflow failure	17570
EQPT	Equipment fails to boot	17571
UNIDENTIFIED	Connection ID mismatch on CXC 0	17572
UNIDENTIFIED	Connection ID mismatch on CXC 1	17573
EQPT	Clock module failure	17574
EQPT	Control bus failure—TSC A	17575
EQPT	Control bus failure—TSC B	17576
EQPT	Clock bus failure—TSC A	17577
EQPT	Clock bus failure—TSC B	17578
EQPT	Control communication equipment failure	17579
EQPT	Primary nonvolatile backup memory failure	17580
EQPT	Manufacturing data memory (EEPROM) failure	17581
EQPT	Payload bus failure—matrix A	17582
EQPT	Payload bus failure—matrix B	17583
UNIDENTIFIED	CXC operations suspended	17584
EQPT	Equipment failure	17585
EQPT	Diagnostics failure	17586
EQPT	Equipment failure—high temperature	17587
EQPT	Invalid MAC address	17588
UNIDENTIFIED	Failure to switch to protection	17589
UNIDENTIFIED	Failure to switch to protection—path	17590
UNIDENTIFIED	Failure to switch to protection—ring	17591
UNIDENTIFIED	Failure to switch to protection—span	17592
EQPT	Fan failure	17593

Table A-32 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Partial fan failure—speed degradation	17594
EQPT	Partial fan failure—parts failure	17595
EQPT	Clock module frequency mismatch	17596
UNIDENTIFIED	OSPF hello fail	17597
EQPT	Laser bias current high	17598
EQPT	High laser temperature	17599
UNIDENTIFIED	Software download failed	17600
UNIDENTIFIED	Different software version	17601
EQPT	Synchronization equipment unavailable	17602
EQPT	Unprotected synchronization equipment	17603
EQPT	Unprotected matrix equipment	17604
UNIDENTIFIED	System upgrade in progress	17605
EQPT	Matrix equipment unavailable	17606
UNIDENTIFIED	Loopback—cross connect	17607
UNIDENTIFIED	Loopback facility	17608
UNIDENTIFIED	Loopback payload	17609
UNIDENTIFIED	Loopback	17610
SECURITY_VIOLATION	Security—invalid login (see audit trail)	17611
SECURITY_VIOLATION	Invalid login attempt threshold exceeded	17612
UNIDENTIFIED	Normal condition	17613
UNIDENTIFIED	Performance monitor threshold crossing alert	17614
UNIDENTIFIED	Duplicate node ID	17615
EQPT	Improper removal	17616
UNIDENTIFIED	Both ends of fiber provisioned as east	17617
UNIDENTIFIED	Far end of fiber is provisioned with different ring ID	17618
UNIDENTIFIED	Protection switch	17619
EQPT	Equipment power failure	17620
EQPT	Equipment power failure at connector A	17621
EQPT	Equipment power failure at connector B	17622
EQPT	Equipment power failure at return connector A	17623
EQPT	Equipment power failure at return connector B	17624
UNIDENTIFIED	Automatic reset	17625
UNIDENTIFIED	Automatic path-protection switch caused by AIS	17626
UNIDENTIFIED	Automatic path-protection switch caused by LOP	17627
UNIDENTIFIED	Automatic path-protection switch caused by PDI	17628

Table A-32 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Automatic path-protection switch caused by SDBER	17629
UNIDENTIFIED	Automatic path-protection switch caused by SFBER	17630
UNIDENTIFIED	Automatic path-protection switch caused by UNEQ	17631
UNIDENTIFIED	Cold restart	17632
UNIDENTIFIED	Exercise ring	17633
UNIDENTIFIED	Exercising ring successfully	17634
UNIDENTIFIED	Far-end exercise ring	17635
UNIDENTIFIED	Exercise request on ring failed	17636
UNIDENTIFIED	Exercise span	17637
UNIDENTIFIED	Exercising span successfully	17638
UNIDENTIFIED	Far-end exercise span	17639
UNIDENTIFIED	Exercise request on span failed	17640
UNIDENTIFIED	Force switch request on facility/equipment	17641
UNIDENTIFIED	Force switch request on ring	17642
UNIDENTIFIED	Force switch request on span	17643
UNIDENTIFIED	Far-end working facility forced to switch to protection unit—ring	17644
UNIDENTIFIED	Far-end working facility forced to switch to protection unit—span	17645
UNIDENTIFIED	Bidirectional full pass-through is active	17646
UNIDENTIFIED	Unidirectional full pass-through is active	17647
EQPT	Inhibit switch to protect request on equipment	17648
EQPT	Inhibit switch to working request on equipment	17649
UNIDENTIFIED	K bytes pass-through is active	17650
UNIDENTIFIED	Far-end lockout of protection—all spans	17651
UNIDENTIFIED	Far-end lockout of protection—ring	17652
UNIDENTIFIED	Far-end lockout of working—ring	17653
UNIDENTIFIED	Far-end lockout of working—span	17654
UNIDENTIFIED	Far-end lockout of protection—span	17655
UNIDENTIFIED	Lockout of protection	17656
UNIDENTIFIED	Lockout of protection—ring	17657
UNIDENTIFIED	Lockout of protection—span	17658
UNIDENTIFIED	Lockout of working—ring	17659
UNIDENTIFIED	Lockout of working—span	17660
UNIDENTIFIED	Lockout switch request on facility/equipment	17661
UNIDENTIFIED	Lockout switch request on ring	17662
UNIDENTIFIED	Manual reset	17663

Table A-32 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Far-end manual switch of working facility to protection unit—ring	17664
UNIDENTIFIED	Far-end manual switch of working facility to protection unit—span	17665
UNIDENTIFIED	Manual switch to fifth reference	17666
UNIDENTIFIED	Manual switch to fourth reference	17667
UNIDENTIFIED	Manual switch to internal clock	17668
UNIDENTIFIED	Manual switch to primary reference	17669
UNIDENTIFIED	Manual switch to second reference	17670
UNIDENTIFIED	Manual switch to sixth reference	17671
UNIDENTIFIED	Manual switch to third reference	17672
UNIDENTIFIED	Manual switch request on facility/equipment	17673
UNIDENTIFIED	Manual switch request on ring	17674
UNIDENTIFIED	Manual switch request on span	17675
UNIDENTIFIED	Powerfail restart	17676
UNIDENTIFIED	Ring is segmented	17677
UNIDENTIFIED	Ring switch is active on the east side	17678
UNIDENTIFIED	Ring switch is active on the west side	17679
UNIDENTIFIED	Span switch is active on the east side	17680
UNIDENTIFIED	Span switch is active on the west side	17681
UNIDENTIFIED	Ring is squelching traffic	17682
UNIDENTIFIED	Squelching path	17683
UNIDENTIFIED	Software download in progress	17684
UNIDENTIFIED	Switch to fifth reference	17685
UNIDENTIFIED	Switch to fourth reference	17686
UNIDENTIFIED	Switch to primary reference	17687
UNIDENTIFIED	Switch to second reference	17688
UNIDENTIFIED	Switch to sixth reference	17689
UNIDENTIFIED	Switch to third reference	17690
ENV	System reboot	17691
UNIDENTIFIED	Extra traffic preempted	17692
UNIDENTIFIED	Switched back to working unit	17693
UNIDENTIFIED	Switched to protection unit	17694
UNIDENTIFIED	Warm restart	17695
UNIDENTIFIED	Wait to restore	17696
UNIDENTIFIED	Ring is in wait-to-restore state	17697

Table A-32 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Span is in wait-to-restore state	17698
UNIDENTIFIED	Bridge and roll has occurred	17699
UNIDENTIFIED	Bridge and roll is pending a valid signal	17700
UNIDENTIFIED	Admin logout of user	17701
UNIDENTIFIED	Admin lockout of user	17702
UNIDENTIFIED	Admin lockout clear	17703
UNIDENTIFIED	Automatic logout of idle user	17704
UNIDENTIFIED	Login of user	17705
SECURITY_VIOLATION	Invalid login—locked out	17706
SECURITY_VIOLATION	Invalid login—already logged on	17707
SECURITY_VIOLATION	Invalid login—password	17708
SECURITY_VIOLATION	Invalid login—username	17709
UNIDENTIFIED	Logout of user	17710
UNIDENTIFIED	User locked out	17711
UNIDENTIFIED	Open I/O slot(s)	17712
UNIDENTIFIED	Improper matrix equipment inserted	17713
EQPT	Equipment fails to boot	17714
UNIDENTIFIED	No description	17715
UNIDENTIFIED	Firewall has been disabled	17716
UNIDENTIFIED	Loss of clock from mate TSC	17717
UNIDENTIFIED	Alarms suppressed for maintenance	17718
UNIDENTIFIED	SNTP host failure	17719
UNIDENTIFIED	Disable inactive user	17720
UNIDENTIFIED	Disable inactive clear	17721
UNIDENTIFIED	Suspend user	17722
UNIDENTIFIED	Duplicate serial number detected on a pluggable entity	17723
EQPT	Equipment problem on carrier or PIM	17724
EQPT	Equipment problem on PIM or PPM	17725
UNIDENTIFIED	Suspend user clear	17726
UNIDENTIFIED	Forced switch to primary reference	17727
UNIDENTIFIED	Forced switch to secondary reference	17728
UNIDENTIFIED	Forced switch to third reference	17729
UNIDENTIFIED	Forced switch to internal clock	17730
PLM	GFP user payload mismatch	17731
UNIDENTIFIED	GFP fibre channel distance extension mismatch	17732

Table A-32 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R5.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	GFP fibre channel distance extension buffer starvation	17733
BER_SF	GFP client signal fail detected	17734
LOF	GFP loss of frame delineation	17735
UNIDENTIFIED	GFP extension header mismatch	17736
UNIDENTIFIED	Carrier loss on the LAN	17737
UNIDENTIFIED	Encapsulation type mismatch	17738
UNIDENTIFIED	Transport layer failure	17739
PLM	Payload label mismatch—path	17740
DCC_FAILURE	Line DCC termination failure	17741
UNIDENTIFIED	K byte channel failure	17742
UNIDENTIFIED	BLSR software version mismatch	17743
SECURITY_VIOLATION	Security intrusion attempt detected—see audit log	17744
UNIDENTIFIED	IP address already in use within the same DCC area	17745
UNIDENTIFIED	Node name already in use within the same DCC area	17746
UNIDENTIFIED	Free memory on card near zero	17747
UNIDENTIFIED	Free memory on card very low	17748
ENV	NE power failure at connector	17749
UNIDENTIFIED	Standby database out of sync	17750

A.5.15.3 ONS 15600 SONET R6.0

The following table lists the CTM GateWay/CORBA mapping for the ONS 15600 SONET R6.0.

Table A-33 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R6.0

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Alarms/events suppressed for this object	17501
UNIDENTIFIED	Audit log 100 percent full	17502
UNIDENTIFIED	Audit log 80 percent full	17503
UNIDENTIFIED	BLSR out of sync	17504
UNIDENTIFIED	BLSR multinode table update completed	17505
UNIDENTIFIED	TSC switched to alternate Ethernet port	17506
ENV	Failure detected external to the NE	17507
DCC_FAILURE	DCC channel loss	17508
DCC_FAILURE	SDCC termination failure	17509
AIS	Alarm indication signal	17510

Table A-33 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
AIS	Alarm indication signal—line	17511
AIS	Alarm indication signal—path	17512
FOP_APS	Byte failure	17513
FOP_APS	Protection switching channel match failure	17514
FOP_APS	Automatic protection switch mode mismatch	17515
FOP_APS	Connection loss	17516
FOP_APS	Default K byte	17517
FOP_APS	Far-end protection line failure	17518
FOP_APS	APS channel—far-end protection line signal degrade	17519
FOP_APS	Improper APS code	17520
FOP_APS	Inconsistent APS code	17521
FOP_APS	Node ID mismatch	17522
UNIDENTIFIED	STS concatenation error	17523
LOF	Loss of frame	17524
LOP	Loss of pointer—path	17525
LOS	Loss of signal	17526
RAI	Remote failure indication—line	17527
RAI	Remote failure indication—path	17528
BER_SD	BER threshold exceeded for signal degrade—line	17529
BER_SD	BER threshold exceeded for signal degrade—path	17530
BER_SD	Far-end BER threshold passed for signal degrade—ring	17531
BER_SD	Far-end BER threshold passed for signal degrade—span	17532
BER_SF	BER threshold exceeded for signal failure—line	17533
BER_SF	BER threshold exceeded for signal failure—path	17534
BER_SF	Far-end BER threshold passed for signal failure—ring	17535
BER_SF	Far-end BER threshold passed for signal failure—span	17536
UNIDENTIFIED	Payload defect indication—path	17537
UNEQ	Unequipped—path	17538
UNIDENTIFIED	Don’t use for synchronization	17539
UNIDENTIFIED	Failed to receive synchronization status message	17540
UNIDENTIFIED	Synchronization status messages are disabled on this interface	17541
UNIDENTIFIED	Primary reference source—stratum 1 traceable	17542
UNIDENTIFIED	Reserved for network synchronization use	17543
UNIDENTIFIED	SONET minimum clock traceable	17544
UNIDENTIFIED	Stratum 2 traceable	17545

Table A-33 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Stratum 3 traceable	17546
UNIDENTIFIED	Stratum 3E traceable	17547
UNIDENTIFIED	Stratum 4 traceable	17548
UNIDENTIFIED	Synchronized—traceability unknown	17549
UNIDENTIFIED	Transit node clock traceable	17550
UNIDENTIFIED	Fifth synchronization reference failure	17551
UNIDENTIFIED	Fourth synchronization reference failure	17552
UNIDENTIFIED	Synchronization reference frequency out of bounds	17553
UNIDENTIFIED	Primary synchronization reference failure	17554
UNIDENTIFIED	Secondary synchronization reference failure	17555
UNIDENTIFIED	Sixth synchronization reference failure	17556
UNIDENTIFIED	Third synchronization reference failure	17557
TIM	STS path trace identifier mismatch	17558
ENV	NE power failure at connector A	17559
ENV	NE power failure at connector B	17560
EQPT	Power fuse failure	17561
UNIDENTIFIED	Free running synchronization mode	17562
UNIDENTIFIED	Stratum 3E fast start synchronization mode	17563
UNIDENTIFIED	Holdover synchronization mode	17564
UNIDENTIFIED	Autonomous messages inhibited	17565
UNIDENTIFIED	Autonomous PM report message inhibited	17566
UNIDENTIFIED	Mismatch of equipment and attributes	17567
UNIDENTIFIED	Ring topology is under construction	17568
ENV	Software fault—data integrity fault	17569
ENV	Airflow failure	17570
EQPT	Equipment fails to boot	17571
UNIDENTIFIED	Connection ID mismatch on CXC 0	17572
UNIDENTIFIED	Connection ID mismatch on CXC 1	17573
EQPT	Clock module failure	17574
EQPT	Control bus failure—I/O—TSC A	17575
EQPT	Control bus failure—I/O—TSC B	17576
EQPT	Clock bus failure—TSC A	17577
EQPT	Clock bus failure—TSC B	17578
EQPT	Control communication equipment failure	17579
EQPT	Primary nonvolatile backup memory failure	17580

Table A-33 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Manufacturing data memory (EEPROM) failure	17581
EQPT	Payload bus failure—matrix A	17582
EQPT	Payload bus failure—matrix B	17583
UNIDENTIFIED	CXC operations suspended	17584
EQPT	Equipment failure	17585
EQPT	Diagnostics failure	17586
EQPT	Equipment failure—high temperature	17587
EQPT	Invalid MAC address	17588
UNIDENTIFIED	Failure to switch to protection	17589
UNIDENTIFIED	Failure to switch to protection—path	17590
UNIDENTIFIED	Failure to switch to protection—ring	17591
UNIDENTIFIED	Failure to switch to protection—span	17592
EQPT	Fan failure	17593
EQPT	Partial fan failure—speed degradation	17594
EQPT	Partial fan failure—parts failure	17595
EQPT	Clock module frequency mismatch	17596
UNIDENTIFIED	OSPF hello fail	17597
EQPT	Laser bias current high	17598
EQPT	High laser temperature	17599
UNIDENTIFIED	Software download failed	17600
UNIDENTIFIED	Different software version	17601
EQPT	Synchronization equipment unavailable	17602
EQPT	Unprotected synchronization equipment	17603
EQPT	Unprotected matrix equipment	17604
UNIDENTIFIED	System upgrade in progress	17605
EQPT	Matrix equipment unavailable	17606
UNIDENTIFIED	Loopback—cross connect	17607
UNIDENTIFIED	Loopback facility	17608
UNIDENTIFIED	Loopback payload	17609
UNIDENTIFIED	Loopback	17610
SECURITY_VIOLATION	Security—invalid login (see audit trail)	17611
SECURITY_VIOLATION	Invalid login attempt threshold exceeded	17612
UNIDENTIFIED	Normal condition	17613
UNIDENTIFIED	Performance monitor threshold crossing alert	17614
UNIDENTIFIED	Duplicate node ID	17615

Table A-33 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Improper removal	17616
UNIDENTIFIED	Both ends of fiber provisioned as east	17617
UNIDENTIFIED	Far end of fiber is provisioned with different ring ID	17618
UNIDENTIFIED	Protection switch	17619
EQPT	Equipment power failure	17620
EQPT	Equipment power failure at connector A	17621
EQPT	Equipment power failure at connector B	17622
EQPT	Equipment power failure at return connector A	17623
EQPT	Equipment power failure at return connector B	17624
UNIDENTIFIED	Automatic reset	17625
UNIDENTIFIED	Automatic path-protection switch caused by AIS	17626
UNIDENTIFIED	Automatic path-protection switch caused by LOP	17627
UNIDENTIFIED	Automatic path-protection switch caused by PDI	17628
UNIDENTIFIED	Automatic path-protection switch caused by SDBER	17629
UNIDENTIFIED	Automatic path-protection switch caused by SFBER	17630
UNIDENTIFIED	Automatic path-protection switch caused by UNEQ	17631
UNIDENTIFIED	Cold restart	17632
UNIDENTIFIED	Exercise ring	17633
UNIDENTIFIED	Exercising ring successfully	17634
UNIDENTIFIED	Far-end exercise ring	17635
UNIDENTIFIED	Exercise request on ring failed	17636
UNIDENTIFIED	Exercise span	17637
UNIDENTIFIED	Exercising span successfully	17638
UNIDENTIFIED	Far-end exercise span	17639
UNIDENTIFIED	Exercise request on span failed	17640
UNIDENTIFIED	Force switch request on facility/equipment	17641
UNIDENTIFIED	Force switch request on ring	17642
UNIDENTIFIED	Force switch request on span	17643
UNIDENTIFIED	Far-end working facility forced to switch to protection unit—ring	17644
UNIDENTIFIED	Far-end working facility forced to switch to protection unit—span	17645
UNIDENTIFIED	Bidirectional full pass-through is active	17646
UNIDENTIFIED	Unidirectional full pass-through is active	17647
EQPT	Inhibit switch to protect request on equipment	17648
EQPT	Inhibit switch to working request on equipment	17649
UNIDENTIFIED	K bytes pass-through is active	17650

Table A-33 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Far-end lockout of protection—all spans	17651
UNIDENTIFIED	Far-end lockout of protection—ring	17652
UNIDENTIFIED	Far-end lockout of working—ring	17653
UNIDENTIFIED	Far-end lockout of working—span	17654
UNIDENTIFIED	Far-end lockout of protection—span	17655
UNIDENTIFIED	Lockout of protection	17656
UNIDENTIFIED	Lockout of protection—ring	17657
UNIDENTIFIED	Lockout of protection—span	17658
UNIDENTIFIED	Lockout of working—ring	17659
UNIDENTIFIED	Lockout of working—span	17660
UNIDENTIFIED	Lockout switch request on facility/equipment	17661
UNIDENTIFIED	Lockout switch request on ring	17662
UNIDENTIFIED	Manual reset	17663
UNIDENTIFIED	Far-end manual switch of working facility to protection unit—ring	17664
UNIDENTIFIED	Far-end manual switch of working facility to protection unit—span	17665
UNIDENTIFIED	Manual switch to fifth reference	17666
UNIDENTIFIED	Manual switch to fourth reference	17667
UNIDENTIFIED	Manual switch to internal clock	17668
UNIDENTIFIED	Manual switch to primary reference	17669
UNIDENTIFIED	Manual switch to second reference	17670
UNIDENTIFIED	Manual switch to sixth reference	17671
UNIDENTIFIED	Manual switch to third reference	17672
UNIDENTIFIED	Manual switch request on facility/equipment	17673
UNIDENTIFIED	Manual switch request on ring	17674
UNIDENTIFIED	Manual switch request on span	17675
UNIDENTIFIED	Powerfail restart	17676
UNIDENTIFIED	Ring is segmented	17677
UNIDENTIFIED	Ring switch is active on the east side	17678
UNIDENTIFIED	Ring switch is active on the west side	17679
UNIDENTIFIED	Span switch is active on the east side	17680
UNIDENTIFIED	Span switch is active on the west side	17681
UNIDENTIFIED	Ring is squelching traffic	17682
UNIDENTIFIED	Squelching path	17683
UNIDENTIFIED	Software download in progress	17684

Table A-33 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Switch to fifth reference	17685
UNIDENTIFIED	Switch to fourth reference	17686
UNIDENTIFIED	Switch to primary reference	17687
UNIDENTIFIED	Switch to second reference	17688
UNIDENTIFIED	Switch to sixth reference	17689
UNIDENTIFIED	Switch to third reference	17690
ENV	System reboot	17691
UNIDENTIFIED	Extra traffic preempted	17692
UNIDENTIFIED	Switched back to working unit	17693
UNIDENTIFIED	Switched to protection unit	17694
UNIDENTIFIED	Warm restart	17695
UNIDENTIFIED	Wait to restore	17696
UNIDENTIFIED	Ring is in wait-to-restore state	17697
UNIDENTIFIED	Span is in wait-to-restore state	17698
UNIDENTIFIED	Bridge and roll has occurred	17699
UNIDENTIFIED	Bridge and roll is pending a valid signal	17700
UNIDENTIFIED	Admin logout of user	17701
UNIDENTIFIED	Admin lockout of user	17702
UNIDENTIFIED	Admin lockout clear	17703
UNIDENTIFIED	Automatic logout of idle user	17704
UNIDENTIFIED	Login of user	17705
SECURITY_VIOLATION	Invalid login—locked out	17706
SECURITY_VIOLATION	Invalid login—already logged on	17707
SECURITY_VIOLATION	Invalid login—password	17708
SECURITY_VIOLATION	Invalid login—username	17709
UNIDENTIFIED	Logout of user	17710
UNIDENTIFIED	User locked out	17711
UNIDENTIFIED	Open I/O slot(s)	17712
UNIDENTIFIED	Improper matrix equipment inserted	17713
EQPT	Equipment fails to boot	17714
UNIDENTIFIED	No description	17715
UNIDENTIFIED	Firewall has been disabled	17716
UNIDENTIFIED	Loss of clock from mate TSC	17717
UNIDENTIFIED	Alarms suppressed for maintenance	17718
UNIDENTIFIED	SNTP host failure	17719

Table A-33 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Disable inactive user	17720
UNIDENTIFIED	Disable inactive clear	17721
UNIDENTIFIED	Suspend user	17722
UNIDENTIFIED	Duplicate serial number detected on a pluggable entity	17723
EQPT	Equipment problem on carrier or PIM	17724
EQPT	Equipment problem on PIM or PPM	17725
UNIDENTIFIED	Suspend user clear	17726
UNIDENTIFIED	Forced switch to primary reference	17727
UNIDENTIFIED	Forced switch to secondary reference	17728
UNIDENTIFIED	Forced switch to third reference	17729
UNIDENTIFIED	Forced switch to internal clock	17730
PLM	GFP user payload mismatch	17731
UNIDENTIFIED	GFP fibre channel distance extension mismatch	17732
UNIDENTIFIED	GFP fibre channel distance extension buffer starvation	17733
BER_SF	GFP client signal fail detected	17734
LOF	GFP loss of frame delineation	17735
UNIDENTIFIED	GFP extension header mismatch	17736
UNIDENTIFIED	Carrier loss on the LAN	17737
UNIDENTIFIED	Encapsulation type mismatch	17738
UNIDENTIFIED	Transport layer failure	17739
PLM	Payload label mismatch—path	17740
DCC_FAILURE	Line DCC termination failure	17741
UNIDENTIFIED	K byte channel failure	17742
UNIDENTIFIED	BLSR software version mismatch	17743
SECURITY_VIOLATION	Security intrusion attempt detected—see audit log	17744
UNIDENTIFIED	IP address already in use within the same DCC area	17745
UNIDENTIFIED	Node name already in use within the same DCC area	17746
UNIDENTIFIED	Free memory on card near zero	17747
UNIDENTIFIED	Free memory on card very low	17748
ENV	NE power failure at connector	17749
UNIDENTIFIED	Standby database out of sync	17750
UNIDENTIFIED	Database backup failed	17751
UNIDENTIFIED	Database restore failed	17752
UNIDENTIFIED	ISIS adjacency failure	17753
EQPT	Equipment high laser bias	17754

Table A-33 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Equipment high Rx power	17755
EQPT	Equipment high Tx power	17756
EQPT	Equipment low laser bias	17757
EQPT	Equipment low Rx power	17758
EQPT	Equipment low Tx power	17759
UNIDENTIFIED	Provisioning mismatch	17760
UNIDENTIFIED	Illegal route addition to the network	17761
UNIDENTIFIED	Session time limit expired	17762
UNIDENTIFIED	User password change required	17763
SECURITY_VIOLATION	User authentication rejected	17764
UNIDENTIFIED	APS invalid mode	17765
UNIDENTIFIED	Far-end manual switch back to working—span	17766
UNIDENTIFIED	Far-end forced switch back to working—span	17767
UNIDENTIFIED	Alarms suppressed by user command	17768
UNIDENTIFIED	Ring is squelching STS traffic	17769
UNIDENTIFIED	REPT^DBCHG messages inhibited	17770
TIM	Regenerator section trace identifier mismatch	17771
MS-AIS	AIS—multiplex section—alarm indication signal	17772
RAI	RFI—multiplex section—remote failure/alarm indication	17773
BER_SF	Multiplex section—excessive BER	17774
BER_SD	Multiplex section—signal degrade	17775
DCC_FAILURE	Multiplex section DCC termination failure	17776
UNIDENTIFIED	G811—primary reference clock traceable	17777
UNIDENTIFIED	G812T—transit node clock traceable	17778
UNIDENTIFIED	G812L—local node clock traceable	17779
UNIDENTIFIED	G813—synchronous equipment timing source traceable	17780
UNIDENTIFIED	MS-SPRing out of sync	17781
AU-AIS	AIS—administration unit—alarm indication signal	17782
LOP	LOP—administration unit—loss of pointer	17783
BER_SF	High order path—excessive BER	17784
BER_SD	High order path—signal degrade	17785
PLM	SLMF—PLM high order—path label mismatch	17786
TIM	TIM high order—trace identifier mismatch failure	17787
RAI	RFI—high order—remote failure/alarm indication	17788
UNEQ	SLMF—unequipped high order—path unequipped	17789

Table A-33 CTM GateWay/CORBA Mapping for the ONS 15600 SONET R6.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Automatic SNCP switch caused by AIS	17790
UNIDENTIFIED	Automatic SNCP switch caused by LOP	17791
UNIDENTIFIED	Automatic SNCP switch caused by UNEQ	17792
UNIDENTIFIED	Automatic SNCP switch caused by SFBER	17793
UNIDENTIFIED	Automatic SNCP switch caused by SDBER	17794
UNIDENTIFIED	Failure to switch to protection—high order path	17795
UNIDENTIFIED	MSSP multinode table update completed	17796
UNIDENTIFIED	Bipolar violation	17797
UNIDENTIFIED	High order path—payload defect indication	17798
UNIDENTIFIED	MSSP software version mismatch	17799
DCC_FAILURE	Regenerator section—DCC termination failure	17800
EQPT	Battery failure	17801
UNIDENTIFIED	Extreme high voltage	17802
UNIDENTIFIED	Extreme low voltage	17803
UNIDENTIFIED	High voltage	17804
UNIDENTIFIED	Low voltage	17805
UNIDENTIFIED	Voltage reading mismatch between SC cards	17806
EQPT	Wavelength out of lock	17807
EQPT	Automatic laser shutdown	17808
UNIDENTIFIED	Ring is squelching high order traffic	17809
EQPT	Non-Cisco PPM inserted	17810
EQPT	Unqualified PPM inserted	17811

A.5.16 CTM GateWay/CORBA Mapping—ONS 15600 SDH

A.5.16.1 ONS 15600 SDH R1.4

The following table lists the CTM GateWay/CORBA mapping for the ONS 15600 SDH R1.4.

Table A-34 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R1.4

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Normal condition	50000
EQPT	Alarms/events suppressed for this object	50001
DCC_FAILURE	DCC channel loss	50002
DCC_FAILURE	SDCC termination failure	50003

Table A-34 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R1.4 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
AIS	Alarm indication signal	50004
AIS	Alarm indication signal—line	50005
AIS	Alarm indication signal—path	50006
FOP_APS	Byte failure	50007
FOP_APS	Protection switching channel match failure	50008
FOP_APS	Automatic protection switch mode mismatch	50009
FOP_APS	Connection loss	50010
FOP_APS	Default K byte	50011
FOP_APS	Far-end protection line failure	50012
ENV	APS channel—far-end protection line signal degrade	50013
FOP_APS	Improper APS code	50014
FOP_APS	Inconsistent APS code	50015
FOP_APS	Node ID mismatch	50016
UNIDENTIFIED	STS concatenation error	50017
LOF	Loss of frame	50018
LOP	Loss of pointer—path	50019
LOS	Loss of signal	50020
RAI	Remote failure indication—line	50021
RAI	Remote failure indication—path	50022
BER_SD	BER threshold exceeded for signal degrade—line	50023
BER_SD	BER threshold exceeded for signal degrade—path	50024
ENV	Far-end BER threshold passed for signal degrade—ring	50025
ENV	Far-end BER threshold passed for signal degrade—span	50026
BER_SF	BER threshold exceeded for signal failure—line	50027
BER_SF	BER threshold exceeded for signal failure—path	50028
ENV	Far-end BER threshold passed for signal failure—ring	50029
ENV	Far-end BER threshold passed for signal failure—span	50030
UNIDENTIFIED	Payload defect indication—path	50031
UNEQ	Unequipped—path	50032
UNIDENTIFIED	Don’t use for synchronization	50033
UNIDENTIFIED	Failed to receive synchronization status message	50034
UNIDENTIFIED	Synchronization status messages are disabled on this interface	50035
UNIDENTIFIED	Primary reference source—stratum 1 traceable	50036
UNIDENTIFIED	Reserved for network synchronization use	50037
UNIDENTIFIED	SONET minimum clock traceable	50038

Table A-34 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R1.4 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Stratum 2 traceable	50039
UNIDENTIFIED	Stratum 3 traceable	50040
UNIDENTIFIED	Stratum 3E traceable	50041
UNIDENTIFIED	Stratum 4 traceable	50042
UNIDENTIFIED	Synchronized—traceability unknown	50043
UNIDENTIFIED	Transit node clock traceable	50044
UNIDENTIFIED	Fifth synchronization reference failure	50045
UNIDENTIFIED	Fourth synchronization reference failure	50046
UNIDENTIFIED	Synchronization reference frequency out of bounds	50047
UNIDENTIFIED	Primary synchronization reference failure	50048
UNIDENTIFIED	Secondary synchronization reference failure	50049
UNIDENTIFIED	Third synchronization reference failure	50051
TIM	STS path trace identifier mismatch	50052
ENV	NE power failure at connector A	50053
ENV	NE power failure at connector B	50054
EQPT	Power fuse failure	50055
ENV	Failure detected external to the NE	50056
UNIDENTIFIED	Extra traffic preempted	50057
UNIDENTIFIED	Free running synchronization mode	50058
UNIDENTIFIED	Stratum 3E fast start synchronization mode	50059
UNIDENTIFIED	Holdover synchronization mode	50060
UNIDENTIFIED	Autonomous messages inhibited	50061
UNIDENTIFIED	Autonomous PM report message inhibited	50062
ENV	Airflow failure	50063
EQPT	Equipment fails to boot	50064
UNIDENTIFIED	Connection ID mismatch on CXC 0	50065
UNIDENTIFIED	Connection ID mismatch on CXC 1	50066
EQPT	Clock module failure	50067
EQPT	Control bus failure—TSC 0	50068
EQPT	Control bus failure—TSC 1	50069
EQPT	Clock bus failure—TSC 0	50070
EQPT	Clock bus failure—TSC 1	50071
EQPT	Control communication equipment failure	50072
EQPT	Primary nonvolatile backup memory failure	50073
EQPT	Manufacturing data memory (EEPROM) failure	50074

Table A-34 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R1.4 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Payload bus failure—CXC 0	50075
EQPT	Payload bus failure—CXC 1	50076
UNIDENTIFIED	CXC operations suspended	50077
EQPT	Equipment failure	50078
EQPT	Equipment failure—high temperature	50080
EQPT	Invalid MAC address	50081
UNIDENTIFIED	Failure to switch to protection—path	50083
UNIDENTIFIED	Failure to switch to protection—ring	50084
UNIDENTIFIED	Failure to switch to protection—span	50085
EQPT	Fan failure	50086
EQPT	Partial fan failure—speed degradation	50087
EQPT	Partial fan failure—parts failure	50088
EQPT	Clock module frequency mismatch	50089
UNIDENTIFIED	OSPF hello fail	50090
EQPT	Laser bias current high	50091
EQPT	High laser temperature	50092
UNIDENTIFIED	Different software version	50093
EQPT	Synchronization equipment unavailable	50094
EQPT	Unprotected synchronization equipment	50095
EQPT	Unprotected matrix equipment	50096
UNIDENTIFIED	System upgrade in progress	50097
EQPT	Matrix equipment unavailable	50098
UNIDENTIFIED	Mismatch of equipment and attributes	50099
ENV	Software fault—data integrity fault	50100
UNIDENTIFIED	Loopback—cross connect	50101
UNIDENTIFIED	Loopback facility	50102
UNIDENTIFIED	Loopback payload	50103
UNIDENTIFIED	Loopback, terminal	50104
SECURITY_VIOLATION	Security—invalid login (see audit trail)	50105
SECURITY_VIOLATION	Invalid login attempt threshold exceeded	50106
UNIDENTIFIED	Performance monitor threshold crossing alert	50107
EQPT	Improper removal	50108
UNIDENTIFIED	Both ends of fiber provisioned as east	50109
EQPT	Equipment power failure	50110
EQPT	Equipment power failure at connector A	50111

Table A-34 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R1.4 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Equipment power failure at connector B	50112
EQPT	Equipment power failure at return connector A	50113
EQPT	Equipment power failure at return connector B	50114
UNIDENTIFIED	Automatic system reset	50115
UNIDENTIFIED	Automatic path-protection switch caused by AIS	50116
UNIDENTIFIED	Automatic path-protection switch caused by LOP	50117
UNIDENTIFIED	Automatic path-protection switch caused by PDI	50118
UNIDENTIFIED	Automatic path-protection switch caused by SDBER	50119
UNIDENTIFIED	Automatic path-protection switch caused by SFBER	50120
UNIDENTIFIED	Automatic path-protection switch caused by UNEQ	50121
UNIDENTIFIED	Exercise request on ring	50123
UNIDENTIFIED	Far-end exercise ring	50124
UNIDENTIFIED	Exercise span	50125
UNIDENTIFIED	Far-end exercise span	50126
UNIDENTIFIED	Force switch request on facility/equipment	50127
UNIDENTIFIED	Force switch request on ring	50128
UNIDENTIFIED	Force switch request on span	50129
UNIDENTIFIED	Far-end working facility forced to switch to protect—ring	50130
UNIDENTIFIED	Far-end working facility forced to switch to protect—span	50131
UNIDENTIFIED	Far-end lockout of protection—all spans	50132
UNIDENTIFIED	Far-end lockout of protection—ring	50133
UNIDENTIFIED	Far-end lockout of working—ring	50134
UNIDENTIFIED	Far-end lockout of working—span	50135
UNIDENTIFIED	Lockout switch request on facility/equipment	50136
UNIDENTIFIED	Lockout switch request on ring	50137
UNIDENTIFIED	Lockout of protection	50138
UNIDENTIFIED	Lockout of protection—ring	50139
UNIDENTIFIED	Lockout of protection—span	50140
UNIDENTIFIED	Lockout of working—ring	50141
UNIDENTIFIED	Lockout of working—span	50142
UNIDENTIFIED	Manual system reset	50143
UNIDENTIFIED	Far-end manual switch of working facility to protect—ring	50144
UNIDENTIFIED	Far-end manual switch of working facility to protect—span	50145
UNIDENTIFIED	Manual switch to internal clock	50148
UNIDENTIFIED	Manual switch to primary reference	50149

Table A-34 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R1.4 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Manual switch to second reference	50150
UNIDENTIFIED	Manual switch to third reference	50152
UNIDENTIFIED	Manual switch request on facility/equipment	50153
UNIDENTIFIED	Manual switch request on ring	50154
UNIDENTIFIED	Manual switch request on span	50155
UNIDENTIFIED	Powerfail restart	50156
UNIDENTIFIED	Ring switch is active on the east side	50157
UNIDENTIFIED	Ring switch is active on the west side	50158
UNIDENTIFIED	Span switch is active on the east side	50159
UNIDENTIFIED	Span switch is active on the west side	50160
UNIDENTIFIED	Ring is squelching traffic	50161
UNIDENTIFIED	Squelching path	50162
UNIDENTIFIED	Software download in progress	50163
UNIDENTIFIED	Switch to primary reference	50166
UNIDENTIFIED	Switch to second reference	50167
UNIDENTIFIED	Switch to third reference	50169
ENV	System reboot	50170
UNIDENTIFIED	Switched back to working unit	50171
UNIDENTIFIED	Switched to protection unit	50172
UNIDENTIFIED	Warm restart	50173
UNIDENTIFIED	Waiting to restore	50174
UNIDENTIFIED	Bridge and roll has occurred	50175
UNIDENTIFIED	Bridge and roll is pending a valid signal	50176
UNIDENTIFIED	Inhibit switch to protect request on equipment	50177
UNIDENTIFIED	Inhibit switch to working request on equipment	50178
UNIDENTIFIED	Exercise request on ring failed	50179
UNIDENTIFIED	Exercise request on span failed	50180
UNIDENTIFIED	Exercising ring successfully	50181
UNIDENTIFIED	Exercising span successfully	50182
UNIDENTIFIED	Unidirectional full pass-through is active	50185
UNIDENTIFIED	Bidirectional full pass-through is active	50186
UNIDENTIFIED	K bytes pass-through is active	50187
UNIDENTIFIED	Ring is segmented	50188
UNIDENTIFIED	Ring topology is under construction	50189
UNIDENTIFIED	Duplicate node ID	50190

Table A-34 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R1.4 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Far end of fiber is provisioned with different ring ID	50191
UNIDENTIFIED	BLSR multinode table update completed	50192
UNIDENTIFIED	MSSP multinode table update completed	50193
UNIDENTIFIED	BLSR out of sync	50194
UNIDENTIFIED	MSSP out of sync	50195
UNIDENTIFIED	Far-end lockout of protection—span	50196
UNIDENTIFIED	Admin logout of user	50198
UNIDENTIFIED	Admin lockout of user	50199
UNIDENTIFIED	Admin lockout clear	50200
UNIDENTIFIED	Automatic logout of idle user	50201
UNIDENTIFIED	Login of user	50202
SECURITY_VIOLATION	Invalid login—locked out	50203
SECURITY_VIOLATION	Invalid login—already logged on	50204
SECURITY_VIOLATION	Invalid login—password	50205
SECURITY_VIOLATION	Invalid login—username	50206
UNIDENTIFIED	Logout of user	50207
UNIDENTIFIED	User locked out	50208
UNIDENTIFIED	Audit log 80 percent full	50209
UNIDENTIFIED	Audit log 100 percent full	50210
UNIDENTIFIED	TSC switched to alternate Ethernet port	50211
UNIDENTIFIED	Open I/O slot(s)	50212
UNIDENTIFIED	Software download failed	50213
UNIDENTIFIED	SNTP host failure	50214
UNIDENTIFIED	Equipment boot in progress	50215
BER_SD	Signal degrade	50216
BER_SF	Signal failure	50217
UNIDENTIFIED	Incorrect BPV density	50218
TIM	TIM—section—trace identifier mismatch	50219
TIM	TIM—regeneration section—trace identifier mismatch	50220
AIS	AIS—multiplex section—alarm indication signal	50221
UNIDENTIFIED	RDI—multiplex section—remote defect indication	50222
UNIDENTIFIED	Synchronization status message—primary reference clock traceable (G811)	50223
UNIDENTIFIED	Synchronization status message—sync supply unit (transfer node) (G812T)	50224

Table A-34 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R1.4 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Synchronization status message—sync supply unit (local node) (G812L)	50225
UNIDENTIFIED	Synchronization status message—SDH equipment clock (G813)	50226
AU_AIS	AIS—administration unit—alarm indication signal	50227
LOP	LOP—administration unit—loss of pointer	50228
UNIDENTIFIED	High order path—excessive BER	50229
UNIDENTIFIED	High order path—signal degrade	50230
TIM	TIM high order—trace identifier mismatch failure	50231
UNIDENTIFIED	RDI—high order—remote defect indication	50232
UNEQ	SLMF—unequipped high order—path unequipped	50233
UNIDENTIFIED	Automatic SNCP switch caused by AIS	50234
UNIDENTIFIED	Automatic SNCP switch caused by LOP	50235
UNIDENTIFIED	Automatic SNCP switch caused by UNEQ	50236
UNIDENTIFIED	Automatic SNCP switch caused by PDI	50237
UNIDENTIFIED	Automatic SNCP switch caused by SFBER	50238
UNIDENTIFIED	Automatic SNCP switch caused by SDBER	50239
DCC_FAILURE	RS-DCC termination failure	50240
UNIDENTIFIED	Payload defect indication	50241

A.5.16.2 ONS 15600 SDH R8.0

The following table lists the CTM GateWay/CORBA mapping for the ONS 15600 SDH R8.0.

Table A-35 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R8.0

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Alarms/events suppressed for this object	17501
UNIDENTIFIED	Audit log 100 percent full	17502
UNIDENTIFIED	Audit log 80 percent full	17503
UNIDENTIFIED	BLSR out of sync	17504
UNIDENTIFIED	BLSR multinode table update completed	17505
UNIDENTIFIED	TSC switched to alternate Ethernet port	17506
ENV	Failure detected external to the NE	17507
DCC_FAILURE	DCC channel loss	17508
DCC_FAILURE	SDCC termination failure	17509
AIS	Alarm indication signal	17510
AIS	Alarm indication signal—line	17511

Table A-35 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R8.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
AIS	Alarm indication signal—path	17512
FOP_APS	Byte failure	17513
FOP_APS	Protection switching channel match failure	17514
FOP_APS	Automatic protection switch mode mismatch	17515
FOP_APS	Connection loss	17516
FOP_APS	Default K byte	17517
FOP_APS	Far-end protection line failure	17518
FOP_APS	APS channel—far-end protection line signal degrade	17519
FOP_APS	Improper APS code	17520
FOP_APS	Inconsistent APS code	17521
FOP_APS	Node ID mismatch	17522
UNIDENTIFIED	STS concatenation error	17523
LOF	Loss of frame	17524
LOP	Loss of pointer—path	17525
LOS	Loss of signal	17526
RAI	Remote failure indication—line	17527
RAI	Remote failure indication—path	17528
BER_SD	BER threshold exceeded for signal degrade—line	17529
BER_SD	BER threshold exceeded for signal degrade—path	17530
BER_SD	Far-end BER threshold passed for signal degrade—ring	17531
BER_SD	Far-end BER threshold passed for signal degrade—span	17532
BER_SF	BER threshold exceeded for signal failure—line	17533
BER_SF	BER threshold exceeded for signal failure—path	17534
BER_SF	Far-end BER threshold passed for signal failure—ring	17535
BER_SF	Far-end BER threshold passed for signal failure—span	17536
UNIDENTIFIED	Payload defect indication—path	17537
UNEQ	Unequipped—path	17538
UNIDENTIFIED	Don’t use for synchronization	17539
UNIDENTIFIED	Failed to receive synchronization status message	17540
UNIDENTIFIED	Synchronization status messages are disabled on this interface	17541
UNIDENTIFIED	Primary reference source—stratum 1 traceable	17542
UNIDENTIFIED	Reserved for network synchronization use	17543
UNIDENTIFIED	SONET minimum clock traceable	17544
UNIDENTIFIED	Stratum 2 traceable	17545
UNIDENTIFIED	Stratum 3 traceable	17546

Table A-35 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R8.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Stratum 3E traceable	17547
UNIDENTIFIED	Stratum 4 traceable	17548
UNIDENTIFIED	Synchronized—traceability unknown	17549
UNIDENTIFIED	Transit node clock traceable	17550
UNIDENTIFIED	Fifth synchronization reference failure	17551
UNIDENTIFIED	Fourth synchronization reference failure	17552
UNIDENTIFIED	Synchronization reference frequency out of bounds	17553
UNIDENTIFIED	Primary synchronization reference failure	17554
UNIDENTIFIED	Secondary synchronization reference failure	17555
UNIDENTIFIED	Sixth synchronization reference failure	17556
UNIDENTIFIED	Third synchronization reference failure	17557
TIM	STS path trace identifier mismatch	17558
ENV	NE power failure at connector A	17559
ENV	NE power failure at connector B	17560
EQPT	Power fuse failure	17561
UNIDENTIFIED	Free running synchronization mode	17562
UNIDENTIFIED	Stratum 3E fast start synchronization mode	17563
UNIDENTIFIED	Holdover synchronization mode	17564
UNIDENTIFIED	Autonomous messages inhibited	17565
UNIDENTIFIED	Autonomous PM report message inhibited	17566
UNIDENTIFIED	Mismatch of equipment and attributes	17567
UNIDENTIFIED	Ring topology is under construction	17568
ENV	Software fault—data integrity fault	17569
ENV	Airflow failure	17570
EQPT	Equipment fails to boot	17571
UNIDENTIFIED	Connection ID mismatch on CXC 0	17572
UNIDENTIFIED	Connection ID mismatch on CXC 1	17573
EQPT	Clock module failure	17574
EQPT	Control bus failure—I/O—TSC A	17575
EQPT	Control bus failure—I/O—TSC B	17576
EQPT	Clock bus failure—TSC A	17577
EQPT	Clock bus failure—TSC B	17578
EQPT	Control communication equipment failure	17579
EQPT	Primary nonvolatile backup memory failure	17580
EQPT	Manufacturing data memory (EEPROM) failure	17581

Table A-35 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R8.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Payload bus failure—matrix A	17582
EQPT	Payload bus failure—matrix B	17583
UNIDENTIFIED	CXC operations suspended	17584
EQPT	Equipment failure	17585
EQPT	Diagnostics failure	17586
EQPT	Equipment failure—high temperature	17587
EQPT	Invalid MAC address	17588
UNIDENTIFIED	Failure to switch to protection	17589
UNIDENTIFIED	Failure to switch to protection—path	17590
UNIDENTIFIED	Failure to switch to protection—ring	17591
UNIDENTIFIED	Failure to switch to protection—span	17592
EQPT	Fan failure	17593
EQPT	Partial fan failure—speed degradation	17594
EQPT	Partial fan failure—parts failure	17595
EQPT	Clock module frequency mismatch	17596
UNIDENTIFIED	OSPF hello fail	17597
EQPT	Laser bias current high	17598
EQPT	High laser temperature	17599
UNIDENTIFIED	Software download failed	17600
UNIDENTIFIED	Different software version	17601
EQPT	Synchronization equipment unavailable	17602
EQPT	Unprotected synchronization equipment	17603
EQPT	Unprotected matrix equipment	17604
UNIDENTIFIED	System upgrade in progress	17605
EQPT	Matrix equipment unavailable	17606
UNIDENTIFIED	Loopback—cross connect	17607
UNIDENTIFIED	Loopback facility	17608
UNIDENTIFIED	Loopback payload	17609
UNIDENTIFIED	Loopback	17610
SECURITY_VIOLATION	Security—invalid login (see audit trail)	17611
SECURITY_VIOLATION	Invalid login attempt threshold exceeded	17612
UNIDENTIFIED	Normal condition	17613
UNIDENTIFIED	Performance monitor threshold crossing alert	17614
UNIDENTIFIED	Duplicate node ID	17615
EQPT	Improper removal	17616

Table A-35 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R8.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Both ends of fiber provisioned as east	17617
UNIDENTIFIED	Far end of fiber is provisioned with different ring ID	17618
UNIDENTIFIED	Protection switch	17619
EQPT	Equipment power failure	17620
EQPT	Equipment power failure at connector A	17621
EQPT	Equipment power failure at connector B	17622
EQPT	Equipment power failure at return connector A	17623
EQPT	Equipment power failure at return connector B	17624
UNIDENTIFIED	Automatic reset	17625
UNIDENTIFIED	Automatic path-protection switch caused by AIS	17626
UNIDENTIFIED	Automatic path-protection switch caused by LOP	17627
UNIDENTIFIED	Automatic path-protection switch caused by PDI	17628
UNIDENTIFIED	Automatic path-protection switch caused by SDBER	17629
UNIDENTIFIED	Automatic path-protection switch caused by SFBER	17630
UNIDENTIFIED	Automatic path-protection switch caused by UNEQ	17631
UNIDENTIFIED	Cold restart	17632
UNIDENTIFIED	Exercise ring	17633
UNIDENTIFIED	Exercising ring successfully	17634
UNIDENTIFIED	Far-end exercise ring	17635
UNIDENTIFIED	Exercise request on ring failed	17636
UNIDENTIFIED	Exercise span	17637
UNIDENTIFIED	Exercising span successfully	17638
UNIDENTIFIED	Far-end exercise span	17639
UNIDENTIFIED	Exercise request on span failed	17640
UNIDENTIFIED	Force switch request on facility/equipment	17641
UNIDENTIFIED	Force switch request on ring	17642
UNIDENTIFIED	Force switch request on span	17643
UNIDENTIFIED	Far-end working facility forced to switch to protection unit—ring	17644
UNIDENTIFIED	Far-end working facility forced to switch to protection unit—span	17645
UNIDENTIFIED	Bidirectional full pass-through is active	17646
UNIDENTIFIED	Unidirectional full pass-through is active	17647
EQPT	Inhibit switch to protect request on equipment	17648
EQPT	Inhibit switch to working request on equipment	17649
UNIDENTIFIED	K bytes pass-through is active	17650
UNIDENTIFIED	Far-end lockout of protection—all spans	17651

Table A-35 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R8.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Far-end lockout of protection—ring	17652
UNIDENTIFIED	Far-end lockout of working—ring	17653
UNIDENTIFIED	Far-end lockout of working—span	17654
UNIDENTIFIED	Far-end lockout of protection—span	17655
UNIDENTIFIED	Lockout of protection	17656
UNIDENTIFIED	Lockout of protection—ring	17657
UNIDENTIFIED	Lockout of protection—span	17658
UNIDENTIFIED	Lockout of working—ring	17659
UNIDENTIFIED	Lockout of working—span	17660
UNIDENTIFIED	Lockout switch request on facility/equipment	17661
UNIDENTIFIED	Lockout switch request on ring	17662
UNIDENTIFIED	Manual reset	17663
UNIDENTIFIED	Far-end manual switch of working facility to protection unit—ring	17664
UNIDENTIFIED	Far-end manual switch of working facility to protection unit—span	17665
UNIDENTIFIED	Manual switch to fifth reference	17666
UNIDENTIFIED	Manual switch to fourth reference	17667
UNIDENTIFIED	Manual switch to internal clock	17668
UNIDENTIFIED	Manual switch to primary reference	17669
UNIDENTIFIED	Manual switch to second reference	17670
UNIDENTIFIED	Manual switch to sixth reference	17671
UNIDENTIFIED	Manual switch to third reference	17672
UNIDENTIFIED	Manual switch request on facility/equipment	17673
UNIDENTIFIED	Manual switch request on ring	17674
UNIDENTIFIED	Manual switch request on span	17675
UNIDENTIFIED	Powerfail restart	17676
UNIDENTIFIED	Ring is segmented	17677
UNIDENTIFIED	Ring switch is active on the east side	17678
UNIDENTIFIED	Ring switch is active on the west side	17679
UNIDENTIFIED	Span switch is active on the east side	17680
UNIDENTIFIED	Span switch is active on the west side	17681
UNIDENTIFIED	Ring is squelching traffic	17682
UNIDENTIFIED	Squelching path	17683
UNIDENTIFIED	Software download in progress	17684
UNIDENTIFIED	Switch to fifth reference	17685

Table A-35 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R8.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Switch to fourth reference	17686
UNIDENTIFIED	Switch to primary reference	17687
UNIDENTIFIED	Switch to second reference	17688
UNIDENTIFIED	Switch to sixth reference	17689
UNIDENTIFIED	Switch to third reference	17690
ENV	System reboot	17691
UNIDENTIFIED	Extra traffic preempted	17692
UNIDENTIFIED	Switched back to working unit	17693
UNIDENTIFIED	Switched to protection unit	17694
UNIDENTIFIED	Warm restart	17695
UNIDENTIFIED	Wait to restore	17696
UNIDENTIFIED	Ring is in wait-to-restore state	17697
UNIDENTIFIED	Span is in wait-to-restore state	17698
UNIDENTIFIED	Bridge and roll has occurred	17699
UNIDENTIFIED	Bridge and roll is pending a valid signal	17700
UNIDENTIFIED	Admin logout of user	17701
UNIDENTIFIED	Admin lockout of user	17702
UNIDENTIFIED	Admin lockout clear	17703
UNIDENTIFIED	Automatic logout of idle user	17704
UNIDENTIFIED	Login of user	17705
SECURITY_VIOLATION	Invalid login—locked out	17706
SECURITY_VIOLATION	Invalid login—already logged on	17707
SECURITY_VIOLATION	Invalid login—password	17708
SECURITY_VIOLATION	Invalid login—username	17709
UNIDENTIFIED	Logout of user	17710
UNIDENTIFIED	User locked out	17711
UNIDENTIFIED	Open I/O slot(s)	17712
UNIDENTIFIED	Improper matrix equipment inserted	17713
EQPT	Equipment fails to boot	17714
UNIDENTIFIED	No description	17715
UNIDENTIFIED	Firewall has been disabled	17716
UNIDENTIFIED	Loss of clock from mate TSC	17717
UNIDENTIFIED	Alarms suppressed for maintenance	17718
UNIDENTIFIED	SNTP host failure	17719
UNIDENTIFIED	Disable inactive user	17720

Table A-35 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R8.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Disable inactive clear	17721
UNIDENTIFIED	Suspend user	17722
UNIDENTIFIED	Duplicate serial number detected on a pluggable entity	17723
EQPT	EQPT problem on carrier or PIM	17724
EQPT	EQPT problem on PIM or PPM	17725
UNIDENTIFIED	Suspend user clear	17726
UNIDENTIFIED	Forced switch to primary reference	17727
UNIDENTIFIED	Forced switch to secondary reference	17728
UNIDENTIFIED	Forced switch to third reference	17729
UNIDENTIFIED	Forced switch to internal clock	17730
PLM	GFP user payload mismatch	17731
UNIDENTIFIED	GFP fibre channel distance extension mismatch	17732
UNIDENTIFIED	GFP fibre channel distance extension buffer starvation	17733
BER_SF	GFP client signal fail detected	17734
LOF	GFP loss of frame delineation	17735
UNIDENTIFIED	GFP extension header mismatch	17736
UNIDENTIFIED	Carrier loss on the LAN	17737
UNIDENTIFIED	Encapsulation type mismatch	17738
UNIDENTIFIED	Transport layer failure	17739
PLM	Payload label mismatch—path	17740
DCC_FAILURE	Line DCC termination failure	17741
UNIDENTIFIED	K byte channel failure	17742
UNIDENTIFIED	BLSR software version mismatch	17743
SECURITY_VIOLATION	Security intrusion attempt detected—see audit log	17744
UNIDENTIFIED	IP address already in use within the same DCC area	17745
UNIDENTIFIED	Node name already in use within the same DCC area	17746
UNIDENTIFIED	Free memory on card near zero	17747
UNIDENTIFIED	Free memory on card very low	17748
ENV	NE power failure at connector	17749
UNIDENTIFIED	Standby database out of sync	17750
UNIDENTIFIED	Database backup failed	17751
UNIDENTIFIED	Database restore failed	17752
UNIDENTIFIED	ISIS adjacency failure	17753
EQPT	Equipment high laser bias	17754
EQPT	Equipment high Rx power	17755

Table A-35 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R8.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
EQPT	Equipment high Tx power	17756
EQPT	Equipment low laser bias	17757
EQPT	Equipment low Rx power	17758
EQPT	Equipment low Tx power	17759
UNIDENTIFIED	Provisioning mismatch	17760
UNIDENTIFIED	Illegal route addition to the network	17761
UNIDENTIFIED	Session time limit expired	17762
UNIDENTIFIED	User password change required	17763
SECURITY_VIOLATION	User authentication rejected	17764
UNIDENTIFIED	APS invalid mode	17765
UNIDENTIFIED	Far-end manual switch back to working—span	17766
UNIDENTIFIED	Far-end forced switch back to working—span	17767
UNIDENTIFIED	Alarms suppressed by user command	17768
UNIDENTIFIED	Ring is squelching STS traffic	17769
UNIDENTIFIED	REPT^DBCHG messages inhibited	17770
TIM	Regenerator section trace identifier mismatch	17771
MS-AIS	AIS—multiplex section—alarm indication signal	17772
RAI	RFI—multiplex section—remote failure/alarm indication	17773
BER_SF	Multiplex section—excessive BER	17774
BER_SD	Multiplex section—signal degrade	17775
DCC_FAILURE	Multiplex section DCC termination failure	17776
UNIDENTIFIED	G811—primary reference clock traceable	17777
UNIDENTIFIED	G812T—transit node clock traceable	17778
UNIDENTIFIED	G812L—local node clock traceable	17779
UNIDENTIFIED	G813—synchronous equipment timing source traceable	17780
UNIDENTIFIED	MS-SPRing out of sync	17781
AU-AIS	AIS—administration unit—alarm indication signal	17782
LOP	LOP—administration unit—loss of pointer	17783
BER_SF	High order path—excessive BER	17784
BER_SD	High order path—signal degrade	17785
PLM	SLMF—PLM high order—path label mismatch	17786
TIM	TIM high order—trace identifier mismatch failure	17787
RAI	RFI—high order—remote failure/alarm indication	17788
UNEQ	SLMF—unequipped high order—path unequipped	17789
UNIDENTIFIED	Automatic SNCP switch caused by AIS	17790

Table A-35 CTM GateWay/CORBA Mapping for the ONS 15600 SDH R8.0 (continued)

TMF Mapping	NE Native Probable Cause	CTM Internal Index (Not Reported in the Notification)
UNIDENTIFIED	Automatic SNCP switch caused by LOP	17791
UNIDENTIFIED	Automatic SNCP switch caused by UNEQ	17792
UNIDENTIFIED	Automatic SNCP switch caused by SFBER	17793
UNIDENTIFIED	Automatic SNCP switch caused by SDBER	17794
UNIDENTIFIED	Failure to switch to protection—high order path	17795
UNIDENTIFIED	MSSP multinode table update completed	17796
UNIDENTIFIED	Bipolar violation	17797
UNIDENTIFIED	High order path—payload defect indication	17798
UNIDENTIFIED	MSSP software version mismatch	17799
DCC_FAILURE	Regenerator section—DCC termination failure	17800
EQPT	Battery failure	17801
UNIDENTIFIED	Extreme high voltage	17802
UNIDENTIFIED	Extreme low voltage	17803
UNIDENTIFIED	High voltage	17804
UNIDENTIFIED	Low voltage	17805
UNIDENTIFIED	Voltage reading mismatch between SC cards	17806
EQPT	Wavelength out of lock	17807
EQPT	Automatic laser shutdown	17808
UNIDENTIFIED	Ring is squelching high order traffic	17809
EQPT	Non-Cisco PPM inserted	17810
EQPT	Unqualified PPM inserted	17811

A.5.17 CTM GateWay/CORBA Mapping—ONS 1580x

The following table lists the CTM GateWay/CORBA mapping for the ONS 1580x.

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
UNIDENTIFIED	Condition unknown	UNK	500
TX_FAIL	Operating temperature 1 fail low	T-AWG_TEMP-1-LOW_TEMP	501
TX_FAIL	Operating temperature 1 fail high	T-AWG_TEMP-1-HIGH_TEMP	502
TX_DEGRADE	Operating temperature 1 degrade low	T-AWG_TEMP-1-LMID_TEMP	503
TX_DEGRADE	Operating temperature 1 degrade high	T-AWG_TEMP-1-HMID_TEMP	504
TX_DEGRADE	Laser 1 current degrade	T-LASCURR-1-DEGRADE	505

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
TX_FAIL	Laser 1 current fail	T-LASCURR-1-FAIL	506
TX_DEGRADE	Laser 1 current low	T-LASCURR-1-LOW	507
TX_DEGRADE	Laser 2 current degrade	T-LASCURR-2-DEGRADE	508
TX_FAIL	Laser 2 current fail	T-LASCURR-2-FAIL	509
TX_DEGRADE	Laser 2 current low	T-LASCURR-2-LOW	510
TX_DEGRADE	Laser 1 power degrade	T-LASPWR-1-POWER_DEG	511
TX_FAIL	Laser 1 power fail	T-LASPWR-1-POWER_FAIL	512
TX_DEGRADE	Laser 1 power high	T-LASPWR-1-HIGH	513
EQPT	Laser 1 status on	LASSTAT-1-LASER_ON	514
TX_DEGRADE	Laser 2 power degrade	T-LASPWR-2-POWER_DEG	515
TX_FAIL	Laser 2 power fail	T-LASPWR-2-POWER_FAIL	516
TX_DEGRADE	Laser 2 power high	T-LASPWR-2-HIGH	517
TX_DEGRADE	Laser 1 temperature low	T-LASTEMP-1-LOW_TEMP	518
TX_DEGRADE	Laser 1 temperature high	T-LASTEMP-1-HIGH_TEMP	519
TX_DEGRADE	Laser 2 temperature low	T-LASTEMP-2-LOW_TEMP	520
TX_DEGRADE	Laser 2 temperature high	T-LASTEMP-2-HIGH_TEMP	521
UNIDENTIFIED	Input power 1 degrade	T-INPPWR-1-POWER_DEG	522
UNIDENTIFIED	Input power 1 fail	T-INPPWR-1-POWER_FAIL	523
UNIDENTIFIED	Input power 1 high	T-INPPWR-1-HIGH	524
UNIDENTIFIED	Input power 2 degrade	T-INPPWR-2-POWER_DEG	525
UNIDENTIFIED	Input power 2 fail	T-INPPWR-2-POWER_FAIL	526
UNIDENTIFIED	Input power 2 high	T-INPPWR-2-HIGH	527
EQPT	Fan 1 operating current high	T-FANCURRENT-1-CURRENT_HI	528
EQPT	Fan 1 operating current low	T-FANCURRENT-1-CURRENT_LO	529
EQPT	Fan 2 operating current high	T-FANCURRENT-2-CURRENT_HI	530
EQPT	Fan 2 operating current low	T-FANCURRENT-2-CURRENT_LO	531
EQPT	Fan 3 operating current high	T-FANCURRENT-3-CURRENT_HI	532
EQPT	Fan 3 operating current low	T-FANCURRENT-3-CURRENT_LO	533
EQPT	Fan 4 operating current high	T-FANCURRENT-4-CURRENT_HI	534
EQPT	Fan 4 operating current low	T-FANCURRENT-4-CURRENT_LO	535
EQPT	Replaceable unit type missing	BOARDOUT-ALM	536
EQPT	Replaceable unit type mismatch	BOARDMISMATCH-ALM	537
EQPT	Fan power supply high	T-DC_CONV-1-POWER_DC_HI_	538
EQPT	Fan power supply low	T-DC_CONV-1-POWER_DC_LO_	539
EQPT	Back-plane power supply voltage high	T-BAT_CTRL-1-BATTERY_HI	540

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
EQPT	Back-plane power supply voltage low	T-BAT_CTRL-1-BATTERY_LO	541
EQPT	Battery 1 voltage level low	BAT_STATUS-1-BAT_LOW	542
EQPT	Battery 2 voltage level low	BAT_STATUS-2-BAT_LOW	543
UNIDENTIFIED	Loss of input signal modulation	MODIN_STAT-1-MODIN_FAIL	544
UNIDENTIFIED	Loss of output modulation	MODOUTSTAT-1-MODOUTFAIL	545
LOS	Loss of input electrical signal	LOS_STATUS-1-LOS_FAIL	546
UNIDENTIFIED	Loss of optical input power	PINLOWSTAT-1-PINLOWFAIL	547
TX_DEGRADE	Red output power degrade	T-OUTPWRRED-1-POWER_DEG	548
TX_FAIL	Red output power fail	T-OUTPWRRED-1-POWER_FAIL	549
TX_DEGRADE	Blue output power degrade	T-OUTPWRBLUE-1-POWER_DEG	550
TX_FAIL	Blue output power fail	T-OUTPWRBLUE-1-POWER_FAIL	551
TX_DEGRADE	East laser temperature 1 low	T-ELASTEMP-1-EAST_LOW_TEMP_	552
TX_DEGRADE	East laser temperature 1 high	T-ELASTEMP-1-EAST_HIGH_TEMP_	553
TX_DEGRADE	West laser temperature 2 low	T-WLASTEMP-2-WEST_LOW_TEMP_	554
TX_DEGRADE	West laser temperature 2 high	T-WLASTEMP-2-WEST_HIGH_TEMP_	555
TX_DEGRADE	East laser current 1 low	T-ELASCURR-1-EAST_CURR__LOW	556
TX_DEGRADE	East laser current 1 high	T-ELASCURR-1-EAST_CURR__HIGH	557
TX_DEGRADE	West laser current 2 low	T-WLASCURR-2-WEST_CURR__LOW	558
TX_DEGRADE	West laser current 2 high	T-WLASCURR-2-WEST_CURR__HIGH	559
TX_DEGRADE	East output power low	T-ELASOUTPWR-1-EAST_POWER_LOW	560
TX_DEGRADE	East output power high	T-ELASOUTPWR-1-EAST_POWER_HIGH	561
TX_DEGRADE	West output power low	T-WLASOUTPWR-2-WEST_POWER_LOW	562
TX_DEGRADE	West output power high	T-WLASOUTPWR-2-WEST_POWER_HIGH	563
UNIDENTIFIED	East transmission master failure	EMST-1-STS_EAST_MASTER	564
UNIDENTIFIED	West transmission master failure	WMST-2-STS_WEST_MASTER	565
UNIDENTIFIED	East transmission of remote alarm indication active	ERAITX-1-SEND_EAST_RAI	566
UNIDENTIFIED	West transmission of remote alarm indication active	WRAITX-2-SEND_WEST_RAI	567
UNIDENTIFIED	East transmission of auxiliary pattern active	EAUXPTX-1-SEND_EAST_AUXP	568
UNIDENTIFIED	West transmission of auxiliary pattern active	WAUXPTX-2-SEND_WEST_AUXP	569
LOS	Loss of signal on east receive side	ELOSRX-1-RX_EAST_LOS	570
LOF	Loss of frame on east receive side	ELFARX-1-RX_EAST_LFA	571
RAI	Received east remote alarm indication	ERAIRX-1-RX_EAST_RAI	572
AIS	Auxiliary pattern on east received side	EAUXPRX-1-RX_EAST_AUXP	573

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
UNIDENTIFIED	Loss of modulation on east receive side	EIDLERX-1-EAST_LINE_IDLE	574
LOS	Loss of signal on west receive side	WLOSRX-2-RX_WEST_LOS	575
LOF	Loss of frame on west receive side	WLFARX-2-RX_WEST_LFA	576
RAI	Received west remote alarm indication	WRAIRX-2-RX_WEST_RAI	577
AIS	Auxiliary pattern on west received side	WAUXPRX-2-RX_WEST_AUXP	578
UNIDENTIFIED	Loss of modulation on west receive side	WIDLERX-2-WEST_LINE_IDLE	579
EQPT	DPRAM failure	DPR_FAIL-1-DPR_CONNECT_OFF	580
UNIDENTIFIED	Internal configuration failure	CFG_FAIL-1-INCONS__CONFIG	581
ENV	General analog input 1—voltage high	T-GENANAIN-1-VOLTAGE_HI	582
ENV	General analog input 1—voltage low	T-GENANAIN-1-VOLTAGE_LO	583
ENV	General analog input 2—voltage high	T-GENANAIN-2-VOLTAGE_HI	584
ENV	General analog input 2—voltage low	T-GENANAIN-2-VOLTAGE_LO	585
ENV	General analog input 3—voltage high	T-GENANAIN-3-VOLTAGE_HI	586
ENV	General analog input 3—voltage low	T-GENANAIN-3-VOLTAGE_LO	587
ENV	General analog input 4—voltage high	T-GENANAIN-4-VOLTAGE_HI	588
ENV	General analog input 4—voltage low	T-GENANAIN-4-VOLTAGE_LO	589
ENV	General analog input 5—voltage high	T-GENANAIN-5-VOLTAGE_HI	590
ENV	General analog input 5—voltage low	T-GENANAIN-5-VOLTAGE_LO	591
ENV	General analog input 6—voltage high	T-GENANAIN-6-VOLTAGE_HI	592
ENV	General analog input 6—voltage low	T-GENANAIN-6-VOLTAGE_LO	593
ENV	General analog input 7—voltage high	T-GENANAIN-7-VOLTAGE_HI	594
ENV	General analog input 7—voltage low	T-GENANAIN-7-VOLTAGE_LO	595
ENV	General analog input 8—voltage high	T-GENANAIN-8-VOLTAGE_HI	596
ENV	General analog input 8—voltage low	T-GENANAIN-8-VOLTAGE_LO	597
ENV	Housekeeping alarm 1	GENDIGIN-1-CHAN_CHANGED	598
ENV	Housekeeping alarm 2	GENDIGIN-2-CHAN_CHANGED	599
ENV	Housekeeping alarm 3	GENDIGIN-3-CHAN_CHANGED	600
ENV	Housekeeping alarm 4	GENDIGIN-4-CHAN_CHANGED	601
ENV	Housekeeping alarm 5	GENDIGIN-5-CHAN_CHANGED	602
ENV	Housekeeping alarm 6	GENDIGIN-6-CHAN_CHANGED	603
ENV	Housekeeping alarm 7	GENDIGIN-7-CHAN_CHANGED	604
ENV	Housekeeping alarm 8	GENDIGIN-8-CHAN_CHANGED	605
ENV	Housekeeping alarm 9	GENDIGIN-9-CHAN_CHANGED	606
ENV	Housekeeping alarm 10	GENDIGIN-10-CHAN_CHANGED	607
ENV	Housekeeping alarm 11	GENDIGIN-11-CHAN_CHANGED	608

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
ENV	Housekeeping alarm 12	GENDIGIN-12-CHAN_CHANGED	609
ENV	Housekeeping alarm 13	GENDIGIN-13-CHAN_CHANGED	610
ENV	Housekeeping alarm 14	GENDIGIN-14-CHAN_CHANGED	611
ENV	Housekeeping alarm 15	GENDIGIN-15-CHAN_CHANGED	612
ENV	Housekeeping alarm 16	GENDIGIN-16-CHAN_CHANGED	613
ENV	Housekeeping alarm 17	GENDIGIN-17-CHAN_CHANGED	614
ENV	Housekeeping alarm 18	GENDIGIN-18-CHAN_CHANGED	615
ENV	Housekeeping alarm 19	GENDIGIN-19-CHAN_CHANGED	616
ENV	Housekeeping alarm 20	GENDIGIN-20-CHAN_CHANGED	617
ENV	Housekeeping alarm 21	GENDIGIN-21-CHAN_CHANGED	618
ENV	Housekeeping alarm 22	GENDIGIN-22-CHAN_CHANGED	619
ENV	Housekeeping alarm 23	GENDIGIN-23-CHAN_CHANGED	620
ENV	Housekeeping alarm 24	GENDIGIN-24-CHAN_CHANGED	621
ENV	Housekeeping alarm 25	GENDIGIN-25-CHAN_CHANGED	622
ENV	Housekeeping alarm 26	GENDIGIN-26-CHAN_CHANGED	623
ENV	Housekeeping alarm 27	GENDIGIN-27-CHAN_CHANGED	624
ENV	Housekeeping alarm 28	GENDIGIN-28-CHAN_CHANGED	625
ENV	Housekeeping alarm 29	GENDIGIN-29-CHAN_CHANGED	626
ENV	Housekeeping alarm 30	GENDIGIN-30-CHAN_CHANGED	627
ENV	Housekeeping alarm 31	GENDIGIN-31-CHAN_CHANGED	628
ENV	Housekeeping alarm 32	GENDIGIN-32-CHAN_CHANGED	629
TX_DEGRADE	Output power 1 degrade	T-OUTPWR-1-POWER_DEG	630
TX_FAIL	Output power 1 fail	T-OUTPWR-1-POWER_FAIL	631
TX_DEGRADE	Output power 1 low	T-OUTPWR-1-POWER_LOW	632
TX_DEGRADE	Output power 1 high	T-OUTPWR-1-HIGH	633
TX_DEGRADE	Output power 2 degrade	T-OUTPWR-2-POWER_DEG	634
TX_FAIL	Output power 2 fail	T-OUTPWR-2-POWER_FAIL	635
TX_DEGRADE	Output power 2 high	T-OUTPWR-2-HIGH	636
UNIDENTIFIED	Input power 1 low	T-INPPWR-1-POWER_LOW	637
TX_FAIL	Operating temperature 1 fail low	AWG_TEMP-1-LOW_TEMP	638
TX_FAIL	Operating temperature 1 fail high	AWG_TEMP-1-HIGH_TEMP	639
TX_DEGRADE	Operating temperature 1 degrade low	AWG_TEMP-1-LMID_TEMP	640
TX_DEGRADE	Operating temperature 1 degrade high	AWG_TEMP-1-HMID_TEMP	641
TX_DEGRADE	Laser 1 temperature low	LASTEMP-1-LOW_TEMP	642
TX_DEGRADE	Laser 1 temperature high	LASTEMP-1-HIGH_TEMP	643

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
TX_DEGRADE	Laser 2 temperature low	LASTEMP-2-LOW_TEMP	644
TX_DEGRADE	Laser 2 temperature high	LASTEMP-2-HIGH_TEMP	645
TX_DEGRADE	Laser 1 current low	LASCURR-1-LOW	646
TX_DEGRADE	Laser 1 current degrade	LASCURR-1-DEGRADE	647
TX_FAIL	Laser 1 current fail	LASCURR-1-FAIL	648
TX_DEGRADE	Laser 2 current low	LASCURR-2-LOW	649
TX_DEGRADE	Laser 2 current degrade	LASCURR-2-DEGRADE	650
TX_FAIL	Laser 2 current fail	LASCURR-2-FAIL	651
UNIDENTIFIED	Input power 1 fail	INPPWR-1-POWER_FAIL	652
UNIDENTIFIED	Input power 1 degrade	INPPWR-1-POWER_DEG	653
UNIDENTIFIED	Input power 1 low	INPPWR-1-POWER_LOW	654
UNIDENTIFIED	Input power 1 high	INPPWR-1-HIGH	655
UNIDENTIFIED	Input power 2 fail	INPPWR-2-POWER_FAIL	656
UNIDENTIFIED	Input power 2 degrade	INPPWR-2-POWER_DEG	657
TX_FAIL	Output power 1 fail	OUTPWR-1-POWER_FAIL	658
TX_DEGRADE	Output power 1 degrade	OUTPWR-1-POWER_DEG	659
TX_DEGRADE	Output power 1 low	OUTPWR-1-POWER_LOW	660
TX_DEGRADE	Output power 1 high	OUTPWR-1-HIGH	661
TX_FAIL	Output power 2 fail	OUTPWR-2-POWER_FAIL	662
TX_DEGRADE	Output Power 2 degrade	OUTPWR-2-POWER_DEG	663
TX_FAIL	Laser power 1 fail	LASPWR-1-POWER_FAIL	664
TX_DEGRADE	Laser power 1 degrade	LASPWR-1-POWER_DEG	665
TX_DEGRADE	Laser power 1 low	LASPWR-1-POWER_LOW	666
TX_DEGRADE	Laser power 1 high	LASPWR-1-HIGH	667
TX_FAIL	Laser power 2 fail	LASPWR-2-POWER_FAIL	668
TX_DEGRADE	Laser power 2 degrade	LASPWR-2-POWER_DEG	669
TX_DEGRADE	Laser power 2 high	LASPWR-2-HIGH	670
ENV	General analog input 1—voltage low	GENANAIN-1-VOLTAGE_LO	671
ENV	General analog input 1—voltage high	GENANAIN-1-VOLTAGE_HI	672
ENV	General analog input 2—voltage low	GENANAIN-2-VOLTAGE_LO	673
ENV	General analog input 2—voltage high	GENANAIN-2-VOLTAGE_HI	674
ENV	General analog input 3—voltage low	GENANAIN-3-VOLTAGE_LO	675
ENV	General analog input 3—voltage high	GENANAIN-3-VOLTAGE_HI	676
ENV	General analog input 4—voltage low	GENANAIN-4-VOLTAGE_LO	677
ENV	General analog input 4—voltage high	GENANAIN-4-VOLTAGE_HI	678

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
ENV	General analog input 5—voltage low	GENANAIN-5-VOLTAGE_LO	679
ENV	General analog input 5—voltage high	GENANAIN-5-VOLTAGE_HI	680
ENV	General analog input 6—voltage low	GENANAIN-6-VOLTAGE_LO	681
ENV	General analog input 6—voltage high	GENANAIN-6-VOLTAGE_HI	682
ENV	General analog input 7—voltage low	GENANAIN-7-VOLTAGE_LO	683
ENV	General analog input 7—voltage high	GENANAIN-7-VOLTAGE_HI	684
ENV	General analog input 8—voltage low	GENANAIN-8-VOLTAGE_LO	685
ENV	General analog input 8—voltage high	GENANAIN-8-VOLTAGE_HI	686
TX_DEGRADE	East laser temperature 1 low	ELASTEMP-1-EAST_LOW_TEMP	687
TX_DEGRADE	East laser temperature 1 high	ELASTEMP-1-EAST_HIGH_TEMP	688
TX_DEGRADE	West laser temperature 2 low	WLASTEMP-2-WEST_LOW_TEMP	689
TX_DEGRADE	West laser temperature 2 high	WLASTEMP-2-WEST_HIGH_TEMP	690
TX_DEGRADE	East laser 1 low current	ELASCURR-1-EAST_CURR_LOW	691
TX_DEGRADE	East laser 1 high current	ELASCURR-1-EAST_CURR_HIGH	692
TX_DEGRADE	West laser 2 low current	WLASCURR-2-WEST_CURR_LOW	693
TX_DEGRADE	West laser 2 high current	WLASCURR-2-WEST_CURR_HIGH	694
TX_DEGRADE	East output power low	ELASOUTPWR-1-EAST_POWER_LOW	695
TX_DEGRADE	East output power high	ELASOUTPWR-1-EAST_POWER_HIGH	696
TX_DEGRADE	West output power low	WLASOUTPWR-2-WEST_POWER_LOW	697
TX_DEGRADE	West output power high	WLASOUTPWR-2-WEST_POWER_HIGH	698
TX_FAIL	Red output power fail	OUTPWRRED-1-POWER_FAIL	699
TX_DEGRADE	Red output power degrade	OUTPWRRED-1-POWER_DEG	700
TX_FAIL	Blue output power fail	OUTPWRBLUE-1-POWER_FAIL	701
TX_DEGRADE	Blue output power degrade	OUTPWRBLUE-1-POWER_DEG	702
EQPT	Fan 1 operating current low	FANCURRENT-1-CURRENT_LO	703
EQPT	Fan 1 operating current high	FANCURRENT-1-CURRENT_HI	704
EQPT	Fan 2 operating current low	FANCURRENT-2-CURRENT_LO	705
EQPT	Fan 2 operating current high	FANCURRENT-2-CURRENT_HI	706
EQPT	Fan 3 operating current low	FANCURRENT-3-CURRENT_LO	707
EQPT	Fan 3 operating current high	FANCURRENT-3-CURRENT_HI	708
EQPT	Fan 4 operating current low	FANCURRENT-4-CURRENT_LO	709
EQPT	Fan 4 operating current high	FANCURRENT-4-CURRENT_HI	710
EQPT	Fan power supply low	DC_CONV-1-POWER_DC_LO_	711
EQPT	Fan power supply high	DC_CONV-1-POWER_DC_HI_	712
EQPT	Back-plane power supply voltage low	BAT_CTRL-1-BATTERY_LO	713

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
EQPT	Back-plane power supply voltage high	BAT_CTRL-1-BATTERY_HI	714
TX_DEGRADE	Laser 1 power low	T-LASPWR-1-POWER_LOW	715
EQPT	Laser 1 status off	LASSTAT-1-LASER_OFF	716
EQPT	AWG shutdown	STATUS_AWG-1-SHUTDOWN	717
UNIDENTIFIED	Optical safety input signal active	IPOIN_STAT-1-IPOIN_FAIL	718
UNIDENTIFIED	Optical safety output signal active	IPOUT_STAT-1-IPOUT_FAIL	719
UNIDENTIFIED	External optical safety control active	OPIN_STAT-1-OPIN_FAIL	720
UNIDENTIFIED	Power supply voltage low	ISOPOWMON-1-ISOPOWFAIL	721
UNIDENTIFIED	Power problem	POWERMON-1-POWERFAIL	722
UNIDENTIFIED	Loss of output modulation	MODOUT-1-FAIL	723
LOS	Loss of input electrical signal	LOS-1-FAIL	724
UNIDENTIFIED	Power supply tolerance failure	PSTOL-1-FAIL	725
UNIDENTIFIED	Laser wavelength unlocked	WAVELOCKED-1-UNLOCKED	726
UNIDENTIFIED	Optical safety remote interlock active	OSRI-1-ACTIVE	727
EQPT	Board not configured	CONFSTATUS-1-NOT_CONFIG	728
UNIDENTIFIED	Optical switch insertion loss high	T-SINSLOSSRX-1-HIGH	729
UNIDENTIFIED	Internal working line state fail	STINTLINEW-1-FAIL	730
UNIDENTIFIED	External working line state fail	STEXTLINEW-1-FAIL	731
UNIDENTIFIED	Internal protection line state fail	STINTLINEP-1-FAIL	732
UNIDENTIFIED	External protection line state fail	STEXTLINEP-1-FAIL	733
UNIDENTIFIED	Unit manual operation mode active	UNITOPMODE-1-MANINSERT	734
UNIDENTIFIED	Unit in protection mode	BOARDSTATE-1-PROTECTION	735
UNIDENTIFIED	Optical switch bad functionality	HRDWSTATE-1-FAIL	736
TX_FAIL	External pump 1 power fail	T-EPPOWER-1-POWER_FAIL	737
TX_DEGRADE	External pump 1 power degrade	T-EPPOWER-1-POWER_DEG	738
TX_DEGRADE	External pump 1 power high	T-EPPOWER-1-HIGH	739
TX_FAIL	External pump 2 power fail	T-EPPOWER-2-POWER_FAIL	740
TX_DEGRADE	External pump 2 power degrade	T-EPPOWER-2-POWER_DEG	741
TX_DEGRADE	External pump 2 power high	T-EPPOWER-2-HIGH	742
UNIDENTIFIED	External optical safety control active	T-OPIN_STAT-1-OPIN_FAIL	743
UNIDENTIFIED	Optical safety override 1 active	SFTYOVSTAT-1-ACTIVE	744
UNIDENTIFIED	Optical safety override 2 active	SFTYOVSTAT-2-ACTIVE	745
UNIDENTIFIED	Power level reduction	PWRLEVEL-1-PWRREDUCTION	746
EQPT	AWG warm up	WARMUP-1-WARMUP	747
EQPT	Battery input 1 voltage level low	BATINSTAT-1-BAT_LOW	748

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
EQPT	Battery input 2 voltage level low	BATINSTAT-2-BAT_LOW	749
EQPT	Battery output 1 voltage level low	BATOUTSTAT-1-BAT_LOW	750
EQPT	Battery output 2 voltage level low	BATOUTSTAT-2-BAT_LOW	751
TX_DEGRADE	Transmit L band power level low	TXLBPWR-1-LOW	752
UNIDENTIFIED	Receive L band power level low	RXLBPWR-1-LOW	753
UNIDENTIFIED	Receive OSC optical power level low	RXOSCPWR-1-LOW	754
TX_DEGRADE	Transmit total optical power level low	TXTOTPWR-1-LOW	755
UNIDENTIFIED	Express channels input power 1 high	T-INPPWREXP-1-HIGH	756
UNIDENTIFIED	Express channels input power 1 degrade	T-INPPWREXP-1-POWER_DEG	757
UNIDENTIFIED	Express channels input power 1 fail	T-INPPWREXP-1-POWER_FAIL	758
UNIDENTIFIED	Add channels input power 1 high	T-INPPWRADD-1-HIGH	759
UNIDENTIFIED	Add channels input power 1 degrade	T-INPPWRADD-1-POWER_DEG	760
UNIDENTIFIED	Add channels input power 1 fail	T-INPPWRADD-1-POWER_FAIL	761
EQPT	DPRAM failure	DPR_FAIL-1-DPR_CONNECT_OFF	762
EQPT	Internal configuration failure	CFG_FAIL-1-INCONS__CONFIG	763
LOS	Loss of signal on east receive side	ELOSRX-1-RX_EAST_LOS	764
LOF	Loss of frame on east receive side	ELFARX-1-RX_EAST_LFA	765
RAI	Received an east remote alarm indication	ERAIRX-1-RX_EAST_RAI	766
UNIDENTIFIED	Loss of modulation on east receive side	EIDLERX-1-EAST_LINE_IDLE	767
LOS	Loss of signal on west receive side	WLOSRX-2-RX_WEST_LOS	768
LOF	Loss of frame on west receive side	WLFARX-2-RX_WEST_LFA	769
RAI	Received west remote alarm indication	WRAIRX-2-RX_WEST_RAI	770
UNIDENTIFIED	Loss of modulation on west receive side	WIDLERX-2-WEST_LINE_IDLE	771
TX_DEGRADE	Laser 1 power high	T-LASPWR-1-POWER_HIGH	772
UNIDENTIFIED	B1 errored seconds 15 mins high	T-B1ES15M-1-HIGH	773
UNIDENTIFIED	B1 severe errored seconds 15 mins high	T-B1SES15M-1-HIGH	774
UNIDENTIFIED	B1 background block errors 15 mins high	T-B1BBE15M-1-HIGH	775
BER_SD	B1 bit error rate 15 mins high	T-B1BER15M-1-HIGH	776
UNIDENTIFIED	B1 unavailable seconds 15 mins high	T-B1UT15M-1-HIGH	777
UNIDENTIFIED	B1 errored seconds 1 day high	T-B1ES24H-1-HIGH	778
UNIDENTIFIED	B1 severe errored seconds 1 day high	T-B1SES24H-1-HIGH	779
UNIDENTIFIED	B1 background block errors 1 day high	T-B1BBE24H-1-HIGH	780
BER_SD	B1 bit error rate 1 day high	T-B1BER24H-1-HIGH	781
UNIDENTIFIED	B1 unavailable seconds 1 day high	T-B1UT24H-1-HIGH	782
UNIDENTIFIED	FEC errored seconds 15 mins high	T-FECES15M-1-HIGH	783

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
UNIDENTIFIED	FEC severe errored seconds 15 mins high	T-FECSES15M-1-HIGH	784
UNIDENTIFIED	FEC background block errors 15 mins high	T-FECBBE15M-1-HIGH	785
UNIDENTIFIED	FEC unavailable seconds 15 mins high	T-FECUT15M-1-HIGH	786
UNIDENTIFIED	FEC error corrected rate 15 mins high	T-FECECR15M-1-HIGH	787
UNIDENTIFIED	FEC uncorrected codewords rate 15 mins high	T-FECUCR15M-1-HIGH	788
UNIDENTIFIED	FEC errored seconds 1 day high	T-FECES24H-1-HIGH	789
UNIDENTIFIED	FEC severe errored seconds 1 day high	T-FECSES24H-1-HIGH	790
UNIDENTIFIED	FEC background block errors 1 day high	T-FECBBE24H-1-HIGH	791
UNIDENTIFIED	FEC unavailable seconds 1 day high	T-FECUT24H-1-HIGH	792
UNIDENTIFIED	FEC error corrected rate 1 day high	T-FECECR24H-1-HIGH	793
UNIDENTIFIED	FEC uncorrected codewords rate 1 day high	T-FECUCR24H-1-HIGH	794
UNIDENTIFIED	File system corrupted	T-FSSTATUS-1-CORRUPTED	795
EQPT	Communication problem on internal bus	SHELFADDR-1-ACTIVE	796
UNIDENTIFIED	Variable optical attenuator low	T-VOA-1-LOW	797
UNIDENTIFIED	Variable optical attenuator high	T-VOA-1-HIGH	798
UNIDENTIFIED	Automatic power reduction on input active	APRIN-1-ACTIVE	799
UNIDENTIFIED	Hardware protection	HWPROTECT-1-HWPROTECT	800
TX_DEGRADE	Fiber temperature 1 low	T-FIBERTEMP-1-LOW_TEMP	801
TX_FAIL	Fiber temperature 1 high	T-FIBERTEMP-1-HIGH_TEMP	802
TX_DEGRADE	Pump 1 power degrade	T-PUMPPOWER-1-POWER_DEG	803
TX_FAIL	Pump 1 power fail	T-PUMPPOWER-1-POWER_FAIL	804
TX_DEGRADE	Pump 1 power high	T-PUMPPOWER-1-HIGH	805
UNIDENTIFIED	External pump safety active	EPSFTY-1-ACTIVE	806
TX_DEGRADE	Pump 2 power degrade	T-PUMPPOWER-2-POWER_DEG	807
TX_FAIL	Pump 2 power fail	T-PUMPPOWER-2-POWER_FAIL	808
TX_DEGRADE	Pump 2 power high	T-PUMPPOWER-2-HIGH	809
UNIDENTIFIED	Automatic power reduction on input in line active	APRINLINE-1-ACTIVE	810
EQPT	Gain flattening filter disconnected	GFFSTATUS-1-DISCONNECTED	811
UNIDENTIFIED	B1 errored seconds 15 mins high	T-ES_15_M-1-HIGH	812
UNIDENTIFIED	B1 severe errored seconds 15 mins high	T-SES_15_M-1-HIGH	813
UNIDENTIFIED	B1 background block errors 15 mins high	T-BBE_15_M-1-HIGH	814
UNIDENTIFIED	B1 unavailable time 15 mins high	T-UT_15_M-1-HIGH	815
UNIDENTIFIED	B1 errored seconds 1 day high	T-ES_24_H-1-HIGH	816

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
UNIDENTIFIED	B1 severe errored seconds 1 day high	T-SES_24_H-1-HIGH	817
UNIDENTIFIED	B1 background block errors 1 day high	T-BBE_24_H-1-HIGH	818
UNIDENTIFIED	B1 unavailable time 1 day high	T-UT_24_H-1-HIGH	819
EQPT	Battery input 1 voltage level low	BATINSTAT-1-LOW	820
EQPT	Battery input 2 voltage level low	BATINSTAT-2-LOW	821
EQPT	Battery output 1 voltage level low	BATOUTSTAT-1-LOW	822
EQPT	Battery output 2 voltage level low	BATOUTSTAT-2-LOW	823
EQPT	Fan power supply high	EMS_EVENT_WM_D_C_CONV_1_PWR_HIGH	824
EQPT	Fan power supply low	EMS_EVENT_WM_D_C_CONV_1_PWR_LOW	825
UNIDENTIFIED	TL1 software download failed	TL1_SW_DNL-FAIL	826
UNIDENTIFIED	TL1 standby software failed	TL1_SW_STDBY-FAIL	827
UNIDENTIFIED	TL1 committed software failed	TL1_SW_CMT-FAIL	828
UNIDENTIFIED	Log is 90% full	LOGBUFR90-SECULOG	829
UNIDENTIFIED	Log overflow	LOGBUFROVFT-SECULOG	830
UNIDENTIFIED	ONS 15800 event base	UNK	831
UNIDENTIFIED	Network element controlled reset	RESET-SYSTEM	832
EQPT	Rack mismatch 1	RACKMISM-1-FAIL	833
EQPT	Rack mismatch 2	RACKMISM-2-FAIL	834
EQPT	Rack mismatch 3	RACKMISM-3-FAIL	835
EQPT	Rack mismatch 4	RACKMISM-4-FAIL	836
EQPT	Rack mismatch 5	RACKMISM-5-FAIL	837
EQPT	Rack mismatch 6	RACKMISM-6-FAIL	838
EQPT	Rack mismatch 7	RACKMISM-7-FAIL	839
EQPT	Rack mismatch 8	RACKMISM-8-FAIL	840
EQPT	Rack mismatch 9	RACKMISM-9-FAIL	841
EQPT	Rack mismatch 10	RACKMISM-10-FAIL	842
EQPT	Rack mismatch 11	RACKMISM-11-FAIL	843
EQPT	Rack mismatch 12	RACKMISM-12-FAIL	844
EQPT	Rack mismatch 13	RACKMISM-13-FAIL	845
EQPT	Rack mismatch 14	RACKMISM-14-FAIL	846
EQPT	Rack mismatch 15	RACKMISM-15-FAIL	847
EQPT	Rack mismatch 16	RACKMISM-16-FAIL	848
EQPT	Rack mismatch 17	RACKMISM-17-FAIL	849

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
EQPT	Rack mismatch 18	RACKMISM-18-FAIL	850
UNIDENTIFIED	Input power 1 fail transmit direction	T-INPPWR_T-1-POWER_FAIL	851
UNIDENTIFIED	Input power 1 low transmit direction	T-INPPWR_T-1-POWER_LOW	852
UNIDENTIFIED	Input power 1 high transmit direction	T-INPPWR_T-1-POWER_HIGH	853
TX_FAIL	Output power 1 fail transmit direction	T-OUTPWR_T-1-POWER_FAIL	854
TX_DEGRADE	Output power 1 low transmit direction	T-OUTPWR_T-1-POWER_LOW	855
TX_DEGRADE	Output power 1 high transmit direction	T-OUTPWR_T-1-POWER_HIGH	856
UNIDENTIFIED	Input power 1 fail receive direction	T-INPPWR_R-1-POWER_FAIL	857
UNIDENTIFIED	Input power 1 low receive direction	T-INPPWR_R-1-POWER_LOW	858
UNIDENTIFIED	Input power 1 high receive direction	T-INPPWR_R-1-POWER_HIGH	859
TX_FAIL	Output power 1 fail receive direction	T-OUTPWR_R-1-POWER_FAIL	860
TX_DEGRADE	Output power 1 low receive direction	T-OUTPWR_R-1-POWER_LOW	861
TX_DEGRADE	Output power 1 high receive direction	T-OUTPWR_R-1-POWER_HIGH	862
TX_DEGRADE	Laser 1 temperature low transmit direction	T-LASTEMP_T-1-LOW_TEMP	863
TX_DEGRADE	Laser 1 temperature high transmit direction	T-LASTEMP_T-1-HIGH_TEMP	864
TX_DEGRADE	Laser 1 current degrade transmit direction	T-LASCURR_T-1-DEGRADE	865
TX_FAIL	Laser 1 current fail transmit direction	T-LASCURR_T-1-FAIL	866
TX_DEGRADE	Laser 1 power low transmit direction	T-LASPWR_T-1-POWER_LOW	867
TX_DEGRADE	Laser 1 power high transmit direction	T-LASPWR_T-1-POWER_HIGH	868
EQPT	Board status fail	BOARDST-1-FAIL	869
UNIDENTIFIED	Optical safety remote interlock active transmit direction	OSRI_T-1-ACTIVE	870
UNIDENTIFIED	Optical safety remote interlock active receive direction	OSRI_R-1-ACTIVE	871
UNIDENTIFIED	Laser wavelength unlocked transmit direction	WAVELOCKED_T-1-UNLOCKED	872
LOS	Loss of input signal transmit direction	LOS_T-1-FAIL	873
LOS	Loss of input signal receive direction	LOS_R-1-FAIL	874
UNIDENTIFIED	Loss of output modulation transmit direction	MODOUT_T-1-FAIL	875
EQPT	Block lock from client interface	CLBLKLOCK_T-1-ACTIVE	876
BER_SD	High bit error rate from client interface	CLHIGHBER_T-1-ACTIVE	877
RAI	Remote fault from client interface	REMFAULT_T-1-ACTIVE	878
UNIDENTIFIED	Backward default indication from client interface	BDI_R-1-ACTIVE	879

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
UNIDENTIFIED	Forward default indication from client interface	FDI_R-1-ACTIVE	880
UNIDENTIFIED	Total number of runts packets from client interface 15 mins high	T-INRUNTS15MIN_T-1-HIGH	881
UNIDENTIFIED	Total number of giants packets from client interface 15 mins high	T-INGNTS15MIN_T-1-HIGH	882
UNIDENTIFIED	Total error block from client interface 15 mins high	T-INTOTER15MIN_T-1-HIGH	883
UNIDENTIFIED	CRC packets from client interface 15 mins high	T-INCRC15MIN_T-1-HIGH	884
UNIDENTIFIED	Errored block from client interface 15 mins high	T-INEB15MIN_T-1-HIGH	885
UNIDENTIFIED	Total number of oversize packets from client interface 15 mins high	T-OVSZPK15MIN_T -1-HIGH	886
UNIDENTIFIED	FEC errored seconds receive direction 15 mins high	T-FECES15MIN_R-1-HIGH	887
UNIDENTIFIED	FEC severely errored seconds receive direction 15 mins high	T-FECSES15MIN_R-1-HIGH	888
UNIDENTIFIED	FEC background block errors receive direction 15 mins high	T-FECBBE15MIN_R-1-HIGH	889
UNIDENTIFIED	FEC unavailable seconds receive direction 15 mins high	T-FECUT15MIN_R-1-HIGH	890
UNIDENTIFIED	FEC error corrected rate receive direction 15 mins high	T-FECECR15MIN_R-1-HIGH	891
UNIDENTIFIED	FEC uncorrected codewords rate receive direction 15 mins high	T-FECUCR15MIN_R-1-HIGH	892
UNIDENTIFIED	Total number of runts packets from client interface 1 day high	T-INRUNTS24H_T-1-HIGH	893
UNIDENTIFIED	Total number of giants packets from client interface 1 day high	T-INGNTS24H_T-1-HIGH	894
UNIDENTIFIED	Total error blocks from client interface 1 day high	T-INTOTER24H_T-1-HIGH	895
UNIDENTIFIED	CRC packets from client interface 1 day high	T-INCRC24H_T-1-HIGH	896
UNIDENTIFIED	Errored blocks from client interface 1 day high	T-INEB24H_T-1-HIGH	897
UNIDENTIFIED	Total number of oversize packets from client interface 1 day high	T-OVSZPK24H_T-1-HIGH	898
UNIDENTIFIED	FEC errored seconds receive direction 1 day high	T-FECES24H_R-1-HIGH	899

Table A-36 CTM GateWay/CORBA Mapping for the ONS 1580x (continued)

TMF Mapping	NE Native Probable Cause	NE Native Alarm Description	CTM Internal Index
UNIDENTIFIED	FEC severely errored seconds receive direction 1 day high	T-FECSES24H_R-1-HIGH	900
UNIDENTIFIED	FEC background block errors receive direction 1 day high	T-FECBBE24H_R-1-HIGH	901
UNIDENTIFIED	FEC unavailable seconds receive direction 1 day high	T-FECUT24H_R-1-HIGH	902
UNIDENTIFIED	FEC error corrected rate receive direction 1 day high	T-FECECR24H_R-1-HIGH	903
UNIDENTIFIED	FEC uncorrected codewords rate receive direction 1 day high	T-FECUCR24H_R-1HIGH	904
UNIDENTIFIED	Remote file system mount failed 1	NFS-1-FAIL	905
UNIDENTIFIED	Remote file system mount failed 2	NFS-2-FAIL	906
UNIDENTIFIED	Remote file system mount failed 3	NFS-3-FAIL	907
UNIDENTIFIED	Remote file system mount failed 4	NFS-4-FAIL	908
UNIDENTIFIED	Remote file system mount failed 5	NFS-5-FAIL	909
UNIDENTIFIED	Remote file system mount failed 6	NFS-6-FAIL	910
UNIDENTIFIED	Remote file system mount failed 7	NFS-7-FAIL	911
UNIDENTIFIED	Remote file system mount failed 8	NFS-8-FAIL	912
UNIDENTIFIED	Remote file system mount failed 9	NFS-9-FAIL	913
UNIDENTIFIED	Remote file system mount failed 10	NFS-10-FAIL	914
UNIDENTIFIED	Remote file system mount failed 11	NFS-11-FAIL	915
UNIDENTIFIED	Remote file system mount failed 12	NFS-12-FAIL	916
UNIDENTIFIED	Remote file system mount failed 13	NFS-13-FAIL	917
UNIDENTIFIED	Remote file system mount failed 14	NFS-14-FAIL	918
UNIDENTIFIED	Remote file system mount failed 15	NFS-15-FAIL	919
UNIDENTIFIED	Remote file system mount failed 16	NFS-16-FAIL	920
UNIDENTIFIED	Remote file system mount failed 17	NFS-17-FAIL	921
UNIDENTIFIED	Remote file system mount failed 18	NFS-18-FAIL	922
EQPT	Board not configured	CONFSTATUS-1-CONFIG	923
TX_DEGRADE	East laser temperature 1 low	ELASTEMP-1-LOW_TEMP	924
TX_DEGRADE	East laser temperature 1 high	ELASTEMP-1-HIGH_TEMP	925
TX_DEGRADE	West laser temperature 2 low	WLASTEMP-2-LOW_TEMP	926
TX_DEGRADE	West laser temperature 2 high	WLASTEMP-2-HIGH_TEMP	927