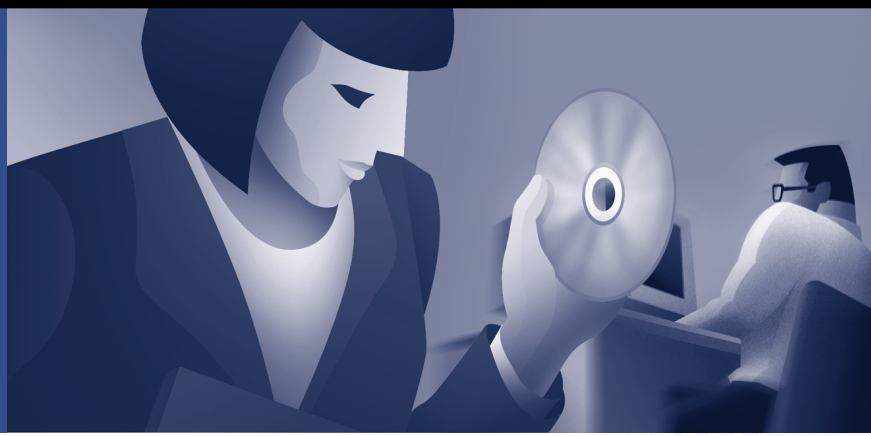
Quick Reference



Cisco ONS 15454
Common TL1 Commands
Release 3.1

This guide lists TL1 commands by category and includes the basic descriptions and input formats supported by the Cisco ONS 15454, Release 3.1. Refer to the *Cisco ONS 15454 TL1 Command Guide, Release 3.1* for a complete description of TL1 commands.

TL1 commands conform to the following syntax:
a:b:c:d:e: ...z;
where:
“a” is the Command Code
“b” is the Target Identifier (TID)
“c” is the Access Identifier (AID) or the User Identifier (UID)
“d” is the Correlation Tag (CTAG)
“e: ...z;” are other positions required for various commands

The TID, AID, and CTAG route and control the TL1 command. Other parameters provide additional information required to complete the action requested by the command.

BLSR

ED-BLSR:[<TID>]:<AID>:<CTAG>:::[RVRTV=<RVRTV>],[RVTM=<RVTM>],[SRVRTV=<SRVRTV>],[SRVTM=<SRVTM>]:;
Edits the BLSR attributes

RTRV-BLSR:[<TID>]:<AID>:<CTAG>:::::;
Retrieves the BLSR information of the network element (NE)

Output format:

SID DATE TIME
M CTAG COMPLD
“<AID>::[RINGID=<RINGID>],[NODEID=<NODEID>],[MODE=<MODE>],[RVRTV=<RVRTV>],[RVTM=<RVTM>],[SRVRTV=<SRVRTV>],[SRVTM=<SRVTM>],[EASTWORK=<EASTWORK>],[WESTWORK=<WESTWORK>],[EASTPROT=<EASTPROT>],[WESTPROT=<WESTPROT>]”
;

Cross Connections

DLT-CRS-<STS_PATH>:[<TID>]:<FROM>,<TO>:<CTAG>[:::];
Deletes a cross connection between STS paths

DLT-CRS-VT1:[<TID>]:<FROM>,<TO>:<CTAG>[:::];
Deletes the VT1 cross connections

ENT-CRS-<STS_PATH>:[<TID>]:<FROM>,<TO>:<CTAG>::[<CCT>][::];
Creates an STS cross connection with cross connection types (CCT)

ENT-CRS-VT1:[<TID>]:<FROM>,<TO>:<CTAG>::[<CCT>][::];
Creates a VT1 cross connect

RTRV-CRS-<STS_PATH>:[<TID>]:<AID>:<CTAG>;
Retrieves any connections associated with the entered AID(s) or AID range

Output format:

SID DATE TIME
M CTAG COMPLD
"<FROM>,<TO>:<CCT>,<LEVEL>"
;

RTRV-CRS-VT1:[<TID>]:<AID>:<CTAG>;
Retrieves the VT cross connection information

Output format:

SID DATE TIME
M CTAG COMPLD
"<FROM>,<TO>:<CCT>"
;

Environmental Alarms and Controls

OPR-EXT-CONT:[<TID>]:<AID>:<CTAG>::[<CONTTYPE>],[<DUR>];
Operates an external control and closes the external control contact

REPT ALM ENV
Reports a user-defined condition on an environmental alarm input

REPT EVT ENV
Reports the occurrence of a non-alarmed event against an environment alarm input

RLS-EXT-CONT:[<TID>]:<AID>:<CTAG>[::,];
Releases a forced contact state and returns the control of the contact to an automatic control state

Environmental Alarms and Controls (continued)

RTRV-ALM-ENV:[<TID>]:<AID>:<CTAG>::[<NTFCNCDE>],[<ALMTYPE>];
Retrieves the environmental alarms

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>:<NTFCNCDE>,<ALMTYPE>,,,[<ALMMSG>]"
;

RTRV-ATTR-CONT:[<TID>]:<AID>:<CTAG>[::<CONTTYPE>];
Retrieves the attributes associated with an external control

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>:[<CONTTYPE>]"
;

RTRV-ATTR-ENV:[<TID>]:<AID>:<CTAG>::[<NTFCNCDE>],[<ALMTYPE>];
Retrieves the attributes associated with an environmental alarm

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>:[<NTFCNCDE>],[<ALMTYPE>],[<ALMMSG>]"
;

RTRV-EXT-CONT:[<TID>]:<AID>:<CTAG>[::<CONTTYPE>];
Retrieves the control state of an external control

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>:[<CONTTYPE>],<DUR>,[<CONTSTATE>]"
;

RTRV-COND-ENV:[<TID>]:<AID>:<CTAG>::[<NTFCNCDE>],[<ALMTYPE>],,,;
Retrieves the environmental conditions
Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>,<NTFCNCDE>:<ALMTYPE>,,,,,,[<DESC>]"
;

Environmental Alarms and Controls (continued)

SET-ATTR-CONT:[<TID>]:<AID>:<CTAG>::[<CONTTYPE>];
Sets the attributes associated with an external control

SET-ATTR-ENV:[<TID>]:<AID>:<CTAG>::[<NTFCNCDE>],[<ALMTYPE>],[<ALMMSG>];
Sets the attributes associated with an external control

Equipment

ALW-SWDX-EQPT:[<TID>]:<AID>:<CTAG>[::];
Allows automatic or manual switching on a duplex system containing duplexed or redundant equipment

ALW-SWTOPROTN-EQPT:[<TID>]:<AID>:<CTAG>[::<DIRN>];
Allows automatic or manual switching of an equipment unit back to a protection status

ALW-SWTOWKG-EQPT:[<TID>]:<AID>:<CTAG>[::<DIRN>];
Allows automatic or manual switching of an equipment unit back to a working status

DLT-EQPT:[<TID>]:<AID>:<CTAG>[:::];
Deletes a card from a slot in the NE

ED-EQPT:[<TID>]:<AID>:<CTAG>:::[PROTID=<PROTID>],[PRTYPE=<PRTYPE>],
[RVRTV=<RVRTV>],[RVTM=<RVTM>][:];
Edits the attributes for a given equipment slot in the NE

ENT-EQPT:[<TID>]:<AID>:<CTAG>::[<AIDTYPE>]:[PROTID=<PROTID>],[PRTYPE=<PRTYPE>],
[RVRTV=<RVRTV>],[RVTM=<RVTM>][:];
Enters the card type and attributes for a given equipment slot in the NE

INH-SWDX-EQPT:[<TID>]:<AID>:<CTAG>[::];
Inhibits the automatic or manual switching on an NE containing duplex equipment

INH-SWTOPROTN-EQPT:[<TID>]:<AID>:<CTAG>[::<DIRN>];
Inhibits automatic or manual switching of an equipment unit to protection

INH-SWTOWKG-EQPT:[<TID>]:<AID>:<CTAG>[::<DIRN>];
Inhibits automatic or manual switching of an equipment unit back to the working unit

REPT ALM EQPT
Reports an alarm condition against an equipment unit or slot

REPT EVT EQPT
Reports the occurrence of a non-alarmed event against an equipment unit or slot

Equipment (continued)

RTRV-ALM-EQPT:[<TID>]:<AID>:<CTAG>::[<NTFCNCDE>],[<CONDTYPE>],[<SRVEFF>],,,;
Retrieves and sends the current status of alarm conditions associated with the equipment units

Output format:

SID DATE TIME
M CTAG COMPLD
"[<AID>],[<AIDTYPE>]:<NTFCNCDE>,<CONDTYPE>,<SRVEFF>,,,,:[<CONDDESCR>]"
;

RTRV-COND-EQPT:[<TID>]:<AID>:<CTAG>::[<TYPEREQ>],,,;
Retrieves the condition equipment

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>,[<AIDTYPE>]:[<NTFCNCDE>],<TYPEREQ>,[<SRVEFF>],,,,,:[<CONDDESCR>]"
;

RTRV-EQPT:[<TID>]:<AID>:<CTAG>[::::];
Retrieves the data parameters and state parameters associated with an equipment unit

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>:<AIDTYPE>,<EQUIP>,[<ROLE>],[<STATUS>]:[PROTID=<PROTID>],[PRTYPE=<PRTYPE>],
[RVRTV=<RVRTV>],[RVTM=<RVTM>],[CARDNAME=<CARDNAME>]:[<PST>]"
;

SW-DX-EQPT:[<TID>]:<AID>:<CTAG>::[<MODE>][,];
Switches an XC/XCVT card with the mate card within the NE

SW-TOPROTN-EQPT:[<TID>]:<AID>:<CTAG>::[<MODE>],[<PROTID>],[<DIRN>];
Performs an equipment unit protection switch

SW-TOWKG-EQPT:[<TID>]:<AID>:<CTAG>::[<MODE>],[<DIRN>];
Switches the protected working unit back to the working unit

Fault

REPT ALM <MOD2ALM>
Reports an alarm condition against a facility or a path

REPT ALM COM
Reports an alarm condition when an AID cannot be given

REPT ALM RING
Reports an alarm condition against a ring object for a BLSR

REPT EVT <MOD2ALM>
Reports the occurrence of a non-alarmed event

REPT EVT RING
Reports the occurrence of a non-alarmed event against a ring object for a BLSR

RTRV-ALM-<MOD2ALM>:[<TID>]:<AID>:<CTAG>::[<NTFCNCDE>],[<CONDTYPE>],
[<SRVEFF>],,,;
Retrieves and sends the current status of the alarm conditions

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>,[<AIDTYPE>]:<NTFCNCDE>,<CONDTYPE>,<SRVEFF>,,,,:[<CONDDESCR>]"
;

RTRV-ALM-ALL:[<TID>]::<CTAG>::[<NTFCNCDE>],[<CONDITION>],[<SRVEFF>],,,;
Retrieves and sends the current status of all active alarm conditions

Output format:

SID DATE TIME
M CTAG COMPLD
"[<AID>],[<AIDTYPE>]:<NTFCNCDE>,<CONDTYPE>,<SRVEFF>,,,,:[<CONDDESCR>],[<AIDDET>]"
;

RTRV-COND-<MOD2ALM>:[<TID>]:<AID>:<CTAG>::[<TYPEREQ>],,,;
Retrieves the current standing condition and state associated with an entity

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>,[<AIDTYPE>]:[<NTFCNCDE>],<TYPEREQ>,[<SRVEFF>],,,,,[<CONDDESCR>]"
;

Log

REPT DBCHG
Reports any changes on the NE that result from certain TL1 commands or an external event

RTRV-LOG:[<TID>]::<CTAG>::<LOGNM>;
Retrieves the alarm log of the NE

Output format:

```
   SID DATE TIME
M CTAG COMPLD
   "<AID>,<ALMNUMBER>:CURRENT=<CURRENT>,[PREVIOUS=<PREVIOUS>],<CONDITION>,
   <SRVEFF>,[TIME=<OCRTIME>],[DATE=<OCRDAT>]:<ALMDESCR>"
;
```

Performance

INIT-REG-<MOD2>:[<TID>]:<AID>:<CTAG>::,,[<LOCN>],,[<TMPER>],,;
Initializes the performance monitoring (PM) registers

RTRV-PM-<MOD2>:[<TID>]:<AID>:<CTAG>::[<MONTYPE>],[<MONLEV>],[<LOCN>],,
[<TMPER>],[<MONDAT>],[<MONTM>];
Retrieves the values of PM parameters for a specified card type

Output format:

```
   SID DATE TIME
M CTAG COMPLD
   "<AID>,[<AIDTYPE>]:<MONTYPE>,<MONVAL>,[<VLDTY>],[<LOCN>],[<DIRN>],      [<TMPER>],
   [<MONDAT>],[<MONTM>]"
;
```

RTRV-PMMODE-<STS_PATH>:[<TID>]:<AID>:<CTAG>::<LOCN>;
Retrieves the PM mode that has been previously set in the NE data collection

Output format:

```
   SID DATE TIME
M CTAG COMPLD
   "<AID>:[<LOCN>],<MODETYPE>"
;
```

Performance (continued)

RTRV-TH-<MOD2>:[<TID>]:<AID>:<CTAG>::[<MONTYPE>],[<LOCN>],[<TMPER>];
Retrieves the current threshold level of one or more monitored parameters

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>,[<AIDTYPE>]:<MONTYPE>,[<LOCN>],,<THLEV>,[<TMPER>]"
;

SET-PMMODE-<STS_PATH>:[<TID>]:<AID>:<CTAG>::<LOCN>,<MODETYPE>,[<PMSTATE>];
Sets the mode and turns on or off the mode of the PM data collection

SET-TH-<MOD2>:[<TID>]:<AID>:<CTAG>::<MONTYPE>,<THLEV>,[<LOCN>],,[<TMPER>];
Sets the threshold of PM parameters

Ports

ED-<OCN_TYPE>:[<TID>]:<AID>:<CTAG>:::[DCC=<DCC>],[SYNCMSG=<SYNCMSG>],
[SENDDUS=<SENDDUS>],[PJMON=<PJMON>],[SFBER=<SFBER>],[SDBER=<SDBER>],
[MODE=<MODE>][:<PST>];
Edits the attributes and state of an OC-N facility

ED-DS1:[<TID>]:<AID>:<CTAG>:::[TACC=<TACC>];
Edits the test access attributes on the DS3XM card at the DS1 layer

ED-EC1:[<TID>]:<AID>:<CTAG>:::[PJMON=<PJMON>],[LBO=<LBO>],[:<PST>];
Edits the attributes of an EC1

ED-T1:[<TID>]:<AID>:<CTAG>:::[LINECDE=<LINECDE>],[FMT=<FMT>],[LBO=<LBO>],
[TACC=<TACC>][: <PST>];
Edits the attributes of a DS1/T1 port

ED-T3:[<TID>]:<AID>:<CTAG>:::[FMT=<FMT>],[LINECDE=<LINECDE>],[LBO=<LBO>],
[TACC=<TACC>][: <PST>];
Edits the attributes of a DS3/T3 port

RMV-<MOD_PORT>:[<TID>]:<AID>:<CTAG>[::,];
Removes a facility from service

RST-<MOD_PORT>:[<TID>]:<AID>:<CTAG>[::];
Provisions a facility in service

Ports (continued)

RTRV-<OCN_TYPE>:[<TID>]:<AID>:<CTAG>[::::];
Retrieves the attributes and state of an OC-N facility

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>:,,[<ROLE>],[<STATUS>]:[DCC=<DCC>],[TMGREF=<TMGREF>],[SYNCMSG=<SYNCMSG>],
[SENDDUS=<SENDDUS>],[PJMON=<PJMON>],[SFBER=<SFBER>],[SDBER=<SDBER>],
[MODE=<MODE>],[WVLEN=<WVLEN>],[RINGID=<RINGID>],[BLSRTYPE=<BLSRTYPE>]:[<PST>]"
;

RTRV-DS1:[<TID>]:<AID>:<CTAG>[::::];
Retrieves the test access attributes on the DS3XM card on the DS1 layer

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>::[TACC=<TACC>]"
;

RTRV-EC1:[<TID>]:<AID>:<CTAG>[::::];
Retrieves the facility status of an EC1 card

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>::[PJMON=<PJMON>],[LBO=<LBO>],[RXEQUAL=<RXEQUAL>]:[<PST>]"
;

RTRV-T1:[<TID>]:<AID>:<CTAG>[::::];
Retrieves the DS1 facilities configuration

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>::[LINECDE=<LINECDE>],[FMT=<FMT>],[LBO=<LBO>],[TACC=<TACC>]:[<PST>]"
;

RTRV-T3:[<TID>]:<AID>:<CTAG>[::::];
Retrieves the facility properties of a DS3 and DS3XM card

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>::[FMT=<FMT>],[LINECDE=<LINECDE>],[LBO=<LBO>],[TACC=<TACC>]:[<PST>]"
;

Security

ACT-USER:[<TID>]:<UID>:<CTAG>::<PID>;
Sets up a session with the NE

CANC
Reports the occurrence of a session timeout event

Output format:

SID DATE TIME
A ATAG CANC
"<UID>"
;

CANC-USER:[<TID>]:<USERID>:<CTAG>;
Logs a user out of an active session with the NE

DLT-USER-SECU:[<TID>]:<UID>:<CTAG>;
Removes a user and can only be performed by a Superuser

ED-PID:[<TID>]:<UID>:<CTAG>::<OLDPID>,<NEWPID>;
Edits a user's password

ED-USER-SECU:[<TID>]:<UID>:<CTAG>::<NEWUID>,<NEWPID>,,<UAP>:;
Edits a user's privileges, password, or ID and can only be performed by a Superuser

ENT-USER-SECU:[<TID>]:<UID>:<CTAG>::<PID>,,<UAP>:;
Adds a user account and can only be performed by a Superuser

REPT EVT SECU
Reports the occurrence of a non-alarmed security event against the NE

SONET Line Protection

DLT-FFP-<OCN_TYPE>:[<TID>]:<WORK>,<PROTECT>:<CTAG>[:::];
Deletes an OC-N facility protection group in a 1+1 architecture

ED-FFP-<OCN_TYPE>:[<TID>]:<AID>:<CTAG>:::[PROTID=<PROTID>],[RVRTV=<RVRTV>],
[RVTM=<RVTM>],[PSDIRN=<PSDIRN>][:];
Edits the optical facility protection

ENT-FFP-<OCN_TYPE>:[<TID>]:<WORK>,<PROTECT>:<CTAG>:::[PROTID=<PROTID>],
[RVRTV=<RVRTV>],[RVTM=<RVTM>],[PSDIRN=<PSDIRN>][:];
Creates an optical 1+1 protection

EX-SW-<OCN_BLSR>:[<TID>]:<AID>:<CTAG>::[<ST>];
Exercises the algorithm for switching from a working facility to a protection facility without actually performing a switch

SONET Line Protection (continued)

OPR-PROTNSW-<OCN_TYPE>:[<TID>]:<AID>:<CTAG>::<SC>,[<ST>];
Initiates a SONET line protection switch request

RLS-PROTNSW-<OCN_TYPE>:[<TID>]:<AID>:<CTAG>::;
Releases a SONET line protection switch request

RTRV-COND-ALL:[<TID>]::<CTAG>::[<TYPEREQ>],,,;
Retrieves the current standing condition for all entities

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>,[<AIDTYPE>]:[<NTFCNCDE>],<TYPEREQ>,[<SRVEFF>],,,,,[<CONDDESCR>]"
;

RTRV-FFP-<OCN_TYPE>:[<TID>]:<AID>:<CTAG>[::::];
Retrieves the optical facility protection information

Output format:

SID DATE TIME
M CTAG COMPLD
"<WORK>,<PROTECT>::[PROTID=<PROTID>],[RVRTV=<RVRTV>],[RVTM=<RVTM>],
[PSDIRN=<PSDIRN>]"
;

STS and VT Paths

ED-<STS_PATH>:[<TID>]:<AID>:<CTAG>:::[SFBER=<SFBER>],[SDBER=<SDBER>],
[RVRTV=<RVRTV>],[RVTM=<RVTM>],[EXPTRC=<EXPTRC>],[TRC=<TRC>],
[TRCMODE=<TRCMODE>],[TACC=<TACC>][:];
Edits the attributes associated with an STS path

ED-VT1:[<TID>]:<AID>:<CTAG>:::[RVRTV=<RVRTV>],[RVTM=<RVTM>],[TACC=<TACC>];
Edits the attributes associated with a VT1 path

RTRV-<STS_PATH>:[<TID>]:<AID>:<CTAG>[::::];
Retrieves the attributes associated with an STS path

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>::[LEVEL=<LEVEL>],[SFBER=<SFBER>],[SDBER=<SDBER>],[RVRTV=<RVRTV>],
[RVTM=<RVTM>],[EXPTRC=<EXPTRC>],[TRC=<TRC>],[INCTRC=<INCTRC>],
[TRCMODE=<TRCMODE>],[TACC=<TACC>]"
;

STS and VT Paths (continued)

RTRV-PTHTRC-<STS_PATH>:[<TID>]:<AID>:<CTAG>::[<MSGTYPE>]:[<LOCN>];
Retrieves the contents of the SONET path trace message that is transported in the J1 byte of the SONET STS path

Output format:

SID DATE TIME
M CTAG COMPLD
"<TRACMSG>"
;

RTRV-VT1:[<TID>]:<AID>:<CTAG>[::::];
Retrieves the attributes associated with a VT1 path

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>::[RVRTV=<RVRTV>],[RVTM=<RVTM>],[TACC=<TACC>]"
;

Synchronization

ED-BITS:[<TID>]:<AID>:<CTAG>:::[LINECDE=<LINECDE>],[FMT=<FMT>],
[SYNCMSG=<SYNCMSG>][:<PST>];
Edits the BITS reference attributes

ED-NE-SYNCN:[<TID>]::<CTAG>:::[TMMD=<TMMD>],[SSMGEN=<SSMGEN>],
[QRES=<QRES>],[RVRTV=<RVRTV>],[RVTM=<RVTM>];
Edits the synchronization attributes of the NE

ED-SYNCN:[<TID>]:<AID>:<CTAG>:::[PRI=<PRI>],[SEC=<SEC>],[THIRD=<THIRD>][:];
Edits the synchronization reference list used to determine the sources for the NE's reference clock and the BITS output clock

OPR-SYNCNSW:[<TID>]:<AID>:<CTAG>::<SWITCHTO>;
Forces the NE to switch to the reference specified by the synchronization reference number if the reference supplied is valid

REPT ALM BITS
Reports an alarm condition on a BITS facility

REPT ALM SYNCN
Reports an alarm condition against a synchronization reference

REPT EVT BITS
Reports the occurrence of a non-alarmed event against a BITS facility

Synchronization (continued)

REPT EVT SYNCN
Reports the occurrence of a non-alarmed event against a synchronization entity

RLS-SYNCNSW:[<TID>]:[<AID>]:<CTAG>;
Releases the previous synchronization reference provided by the OPR-SYNCNSW command

RTRV-ALM-BITS:[<TID>]:<AID>:<CTAG>::[<NTFCNCDE>],[<CONDTYPE>],[<SRVEFF>],,,;
Retrieves and sends the current status of alarm conditions associated with the BITS facility

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>,[<AIDTYPE>]:<NTFCNCDE>,<CONDTYPE>,<SRVEFF>,,,,:[<CONDDESCR>]"
;

RTRV-ALM-SYNCN:[<TID>]:<AID>:<CTAG>::[<NTFCNCDE>],[<CONDTYPE>],[<SRVEFF>],,,;
Retrieves and sends the current status of alarm conditions associated with a synchronization facility

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>,[<AIDTYPE>]:<NTFCNCDE>,<CONDTYPE>,<SRVEFF>,,,,:[<CONDDESCR>]"
;

RTRV-BITS:[<TID>]:<AID>:<CTAG>[::::];
Retrieves the BITS configuration command

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>::[LINECDE=<LINECDE>],[FMT=<FMT>],[SYNCMSG=<SYNCMSG>]:[<PST>]"
;

RTRV-COND-BITS:[<TID>]:<AID>:<CTAG>::[<TYPEREQ>],,,;
Retrieves the standing condition on BITS

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>,[<AIDTYPE>]:[<NTFCNCDE>],<TYPEREQ>,[<SRVEFF>],,,,,[<CONDDESCR>]"
;

Synchronization (continued)

RTRV-COND-SYNCN:[<TID>]:<AID>:<CTAG>::[<TYPEREQ>],,,;
Retrieves the synchronization condition

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>,[<AIDTYPE>]:[<NTFCNCDE>],<TYPEREQ>,[<SRVEFF>],,,,,[<CONDDESCR>]"
;

RTRV-NE-SYNCN:[<TID>]::<CTAG>[::::];
Retrieves the synchronization attributes of the NE

Output format:

SID DATE TIME
M CTAG COMPLD
"::[TMMD=<TMMD>],[SSMGEN=<SSMGEN>],[QRES=<QRES>],[RVRTV=<RVRTV>],
[RVTM=<RVTM>]"
;

RTRV-SYNCN:[<TID>]:<AID>:<CTAG>[::::];
Retrieves the synchronization reference list used to determine the sources for the NE's reference clock and the BITS output clock

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>:<REF>,<REFVAL>,[<QRES>],[<STATUS>]"
;

System

ALW-MSG-ALL:[<TID>]::<CTAG>[::,,];
Allows REPT ALM and REPT EVT autonomous messages to be transmitted

ED-DAT:[<TID>]::<CTAG>::[<DATE>],[<TIME>];
Edits the date and the time

ED-NE-GEN:[<TID>]::<CTAG>:::[NAME=<NAME>],[IPADDR=<IPADDR>],[IPMASK=<IPMASK>],
[DEFRTR=<DEFRTR>];
Edits the general node attributes of an NE

INH-MSG-ALL:[<TID>]::<CTAG>[::,,];
Inhibits REPT ALM and REPT EVT autonomous messages from being transmitted

System (continued)

INIT-SYS:[<TID>]:<AID>:<CTAG>::;
Initializes the specified card and its associated subsystem(s)

RTRV-HDR:[<TID>]::<CTAG>;
Retrieves the header of a TL1 response message

RTRV-INV:[<TID>]:<AID>:<CTAG>[::::];
Retrieves a listing of the equipment inventory

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>,<AIDTYPE>::[PN=<PN>],[HWREV=<HWREV>],[FWREV=<FWREV>],[SN=<SN>],
[CLEI=<CLEI>]"
;

RTRV-NE-GEN:[<TID>]::<CTAG>;
Retrieves the general NE attributes

Output format:

SID DATE TIME
M CTAG COMPLD
"[IPADDR=<IPADDR>],[IPMASK=<IPMASK>],[DEFRTR=<DEFRTR>],[NAME=<NAME>],
[SWVER=<SWVER>],[LOAD=<LOAD>]"
;

RTRV-NE-IPMAP:[<TID>]:[<AID>]:<CTAG>;
Retrieves nodes that are DCC connected

Output format:

SID DATE TIME
M CTAG COMPLD
"<AID>:<IPADDR>"
;

RTRV-TOD:[<TID>]::<CTAG>;
Retrieves the system date and time at the instant the command is executed

Output format:

SID DATE TIME
M CTAG COMPLD
"<YEAR>,<MONTH>,<DAY>,<HOUR>,<MINUTE>,<SECOND>,<TMTYPE>"
;

SET-TOD:[<TID>]::<CTAG>::<YEAR>,<MONTH>,<DAY>,<HOUR>,<MINUTE>,<SECOND>,
[<DIFFERENCE>]:[DST=<DST>];
Sets the system date and time for the NE

Test Access

CHG-ACCMD-<MOD_TACC>:[<TID>]:<TAP>:<CTAG>::<MD>;
Changes the test access mode for the circuit being tested

CONN-TACC-<MOD_TACC>:[<TID>]:<AID>:<CTAG>::<TAP>:MD=<MD>;
Connects the STS or VT defined by AID to the STS specified by the TAP number

Output format:

SID DATE TIME
M CTAG COMPLD
"<TAP>"
;

DISC-TACC:[<TID>]:<TAP>:<CTAG>;
Disconnects the TAP and puts the connection back to its original state

Testing

OPR-LPBK-<MOD2_IO>:[<TID>]:<AID>:<CTAG>::,,[,<LPBKTYPE>];
Operates a signal loopback on an I/O card

RLS-LPBK-<MOD2_IO>:[<TID>]:<AID>:<CTAG>::,,[,<LPBKTYPE>];
Releases a signal loopback on an I/O card

UPSR Switching

OPR-PROTNSW-<STS_PATH>:[<TID>]:<AID>:<CTAG>::<SC>:;
Initiates a SONET path protection (UPSR) switch request

OPR-PROTNSW-VT1:[<TID>]:<AID>:<CTAG>::<SC>:;
Initiates a SONET path protection (UPSR) switch request

REPT SW
Reports the autonomous switching of a unit in a duplex equipment pair to standby and its mate to the active state

RLS-PROTNSW-<STS_PATH>:[<TID>]:<AID>:<CTAG>::;
Releases a SONET path protection switch request that was initiated with the OPR-PROTNSW-<STS_PATH> command

RLS-PROTNSW-VT1:[<TID>]:<AID>:<CTAG>::;
Releases a SONET path protection switch request that was initiated with the OPR-PROTNSW-VT1 command

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