

5- Equipment Configuration Commands

5.1 Equipment Configuration Command Tree	5-306
5.2 Rack Configuration Command	5-309
5.3 Shelf Configuration Command	5-310
5.4 Slot Configuration Command	5-312
5.5 Applique Configuration Command	5-315
5.6 Protection Group Configuration Command	5-317
5.7 Protection Element Configuration Command	5-318
5.8 External-link-host Configuration Commands	5-320
5.9 Host Shelf SFP Configuration Commands	5-322
5.10 SFP/XFP Diagnostics configuration Command	5-324
5.11 Sfp RSSI Configuration Command	5-327
5.12 2xE1/DS1 CLOCK configuration Command	5-332
5.13 2xE1/DS1 Pseudo Wire TDM Interface configuration Command	5-334
5.14 2xE1/DS1 Pseudo Wire TDM SFP configuration Command	5-336
5.15 2xE1/DS1 Framer configuration Command	5-339
5.16 2xE1/DS1 Line Interface Unit SFP configuration Command	5-343
5.17 NE Configuration Command	5-346
5.18 Environment Monitoring Configuration Command	5-347
5.19 Configure Fan Tray parameters	5-348
5.20 Configure Board Auto Replan feature	5-349

5.1 Equipment Configuration Command Tree

Description

This chapter gives an overview of nodes that are handled by "Equipment Configuration Commands".

Command Tree

- configure**
 - equipment**
 - rack**
 - (index)
 - [no] description
 - shelf**
 - (index)
 - [no] class
 - [no] planned-type
 - [no] lock
 - X [no] extended-lt-slots
 - [no] mode
 - [no] description
 - slot**
 - (index)
 - [no] planned-type
 - [no] power-down
 - [no] unlock
 - [no] alarm-profile
 - [no] capab-profile
 - [no] board-40gkr4
 - [no] operational-mode
 - [no] dual-host-ip
 - [no] dual-host-loc
 - applique**
 - (index)
 - [no] planned-type
 - [no] applique-profile
 - protection-group**
 - (prot-group-id)
 - [no] admin-status
 - [no] eps-quenchfactor
 - protection-element**
 - (index)
 - [no] redcy-ctrl-status
 - external-link-host**
 - (faceplate-number)
 - [no] direction
 - external-link-assign**
 - (index)
 - [no] remote
 - diagnostics**
 - sfp**
 - (position)
 - [no] rssi-prof-id

```

- [no] rssi-state
----[no] rssiprof
- (index)
- name
- [no] temp-alm-low
- [no] temp-alm-high
- [no] temp-warn-low
- [no] temp-warn-high
- [no] voltage-alm-low
- [no] voltage-alm-high
- [no] voltage-warn-low
- [no] voltage-warn-high
- [no] bias-alm-low
- [no] bias-alm-high
- [no] bias-warn-low
- [no] bias-warn-high
- [no] tx-pwr-alm-low
- [no] tx-pwr-alm-high
- [no] tx-pwr-warn-low
- [no] tx-pwr-warn-high
- [no] rx-pwr-alm-low
- [no] rx-pwr-alm-high
- [no] rx-pwr-warn-low
- [no] rx-pwr-warn-high
- [no] ebias-alm-low
- [no] ebias-alm-high
- [no] ebias-warn-low
- [no] ebias-warn-high
- [no] etx-alm-low
- [no] etx-alm-high
- [no] etx-warn-low
- [no] etx-warn-high
- [no] erx-alm-low
- [no] erx-alm-high
- [no] erx-warn-low
- [no] erx-warn-high
- [no] etemp-alm-low
- [no] etemp-alm-high
- [no] etemp-warn-low
- [no] etemp-warn-high
- [no] profile-type
----sfpe1t1
----[no] clock
- (position)
- [no] clocksource
----tdmintf
- (position)
- [no] window-number
- [no] window-length
----[no] pwtdm
- (position)
- channel
- packet-length
- jitter-buff-size
- vlanid
- priority
- conseq-number
- ecid-rx

```

- ecid-tx
- source-mac
- dest-mac
- framer**
 - **(position)**
 - [no] frame-mode
 - [no] iwfb-on-liu
 - [no] liu-on-liu
 - [no] pm-to-iwfb
 - [no] ais-to-iwfb
 - [no] rai-to-iwfb
 - [no] rei-to-iwfb
 - [no] pm-to-liu
 - [no] ais-to-liu
 - [no] rai-to-liu
 - [no] rei-to-liu
- liu**
 - **(position)**
 - [no] distance
 - [no] cable-impedance
- isam**
 - [no] description
- envbox**
 - [no] enable-supervise
- fan-tray**
 - fanmode
- replan**
 - boardautoreplan

5.2 Rack Configuration Command

Command Description

This command allows the operator to configure the rack. The operator can configure the following parameter:

- *description: text that describes the location of the rack.*

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

> configure equipment rack (index) [no description | description <Description-127>]

Command Parameters

Table 5.2-1 "Rack Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(index)	Format: <Eqpt::RackId> Field type <Eqpt::RackId> - the rack number	the physical position of the rack

Table 5.2-2 "Rack Configuration Command" Command Parameters

Parameter	Type	Description
[no] description	Parameter type: <Description-127> Format: - description to help the operator to identify the object - length: x<=127	<i>optional parameter with default value: ""</i> any description to be used by the operator

5.3 Shelf Configuration Command

Command Description

This command allows the operator to configure the shelf. The operator can configure the following parameters:

- **class:** the classification of the shelf. The following shelf classes are supported:
 - **main-ethernet:** supports Ethernet-based traffic. Shelves in this class can contain NT and LT units. There must be at least one shelf of this class in the system.
 - **ext-ethernet:** supports Ethernet-based traffic. Shelves in this class can only contain LT units.
- **planned-type:** the type planned for this shelf. The **not-planned** parameter indicates that a shelf will not be inserted at this position.
- **lock:** locks or unlocks the shelf.
- **shelf-mode:** the shelf mode. When the shelf mode was changed successfully, the NE will reboot automatically.
- **description:** text that describes the location of the shelf.

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment shelf (index) [ no class | class <Equipm::ShelfClass> ] [ no planned-type | planned-type
<Equipm::ShelfType> ] [ [ no ] lock ] [ [ no ] extended-lt-slots ] [ no mode | mode <Equipm::HolderMode> ] [ no
description | description <Description-127> ]
```

Command Parameters

Table 5.3-1 "Shelf Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(index)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number	the physical identification of the shelf

Table 5.3-2 "Shelf Configuration Command" Command Parameters

Parameter	Type	Description
[no] class	Parameter type: <Equipm::ShelfClass> Format: (main-ethernet ext-ethernet) Possible values: - main-ethernet : main shelf - supports ethernet-based traffic - ext-ethernet : extension shelf - supports ethernet-based	optional parameter with default value: "main-ethernet" the class to which the shelf belongs

Parameter	Type	Description
	traffic	
[no] planned-type	Parameter type: <Equipm::ShelfType> Format: Data driven field type Possible values are depending on the actual configuration and software. The currently allowed values can be shown with online-help.	<i>optional parameter with default value: "not-planned"</i> the planned type of the shelf
[no] lock	Parameter type: boolean	<i>optional parameter</i> the holder is locked
[no] extended-lt-slots	Parameter type: boolean	<i>obsolete parameter replaced by parameter "mode"</i> change to extended lt slots
[no] mode	Parameter type: <Equipm::HolderMode> Format: (no-extended-lt-slots extended-lt-slots no-ntb-slot no-extended-slots no-ntio-slots ngpon gpon ngpon-port-reduced gpon-mng-ngpon gpon-mng-reduced) Possible values: - no-extended-lt-slots : no extended lt slots - extended-lt-slots : change to extended lt slots - no-ntb-slot : use ntb slot as lt slot - no-extended-slots : no extended slots - no-ntio-slots : not changeable - ngpon : use universal ngpon lt (supports NG-PON2, XGS-PON and XG-PON1 currently) - gpon : use gpon lt - ngpon-port-reduced : use ngpon port reduced mode lt (supports ERPS) - gpon-mng-ngpon : use gpon managed ngpon management model - gpon-mng-reduced : use gpon managed ngpon port reduced mode lt(supports ERPS)	<i>optional parameter with default value: "no-extended-lt-slots"</i> the shelf mode, applicable to NEP and ARAM-E only
[no] description	Parameter type: <Description-127> Format: - description to help the operator to identify the object - length: x<=127	<i>optional parameter with default value: ""</i> any description to be used by the operator

5.4 Slot Configuration Command

Command Description

This command allows the operator to configure a slot.

The slot is identified by the physical slot number. The left-most slot in the shelf is number 1. The following parameters can be configured for the slot:

- *planned-type: the unit type that will be inserted into the slot. The **not-planned** parameter indicates that a unit will not be inserted into that slot.*
- *power-down: the operator can power-up or power-down slots. This is only applicable to LSM.*
- *unlock: the operator can lock or unlock a unit. A unit in the locked state cannot be used. This attribute is only supported for the NT (the system will refuse to lock the NT of a simplex system), EXT, and a managed LSM. This attribute is not applicable to sealed remote products (7367 SX).*
- *alarm-profile: the operator can assign a customizable alarm profile to a NT or LSM board. This is applicable for all NTs and LSMs.*
- *capab-profile: This parameter only applies to LSMs, NTIOs and mini-NT NRNT-A. For BCM based LSM boards default capab-profile is "default" for Intel based LSM boards it is "8vc_default".*
- *disable-key: This Parameter should contain string between 8 and 16 characters; must contain at least one lowercase letter, one uppercase letter, one numeric digit, and one special character, but cannot contain whitespace.*

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment slot (index) [ no planned-type | planned-type <Equipm::BoardType> ] [ [ no ] power-down ]
[ [ no ] unlock ] [ no alarm-profile | alarm-profile <Equipm::AlarmProf> ] [ no capab-profile | capab-profile
<Equipm::CapabilityProfile> ] [ no board-40gkr4 | board-40gkr4 <Equipm::board40GKR4> ] [ no
operational-mode | operational-mode <Equipm::OperationalMode> ] [ no dual-host-ip | dual-host-ip
<Ip::V4Address> ] [ no dual-host-loc | dual-host-loc <Equipm::Dualhost> ]
```

Command Parameters

Table 5.4-1 "Slot Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(index)	Format: (It : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> nt-a nt-b nt acu : <Eqpt::RackId> / <Eqpt::ShelfId> <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::EqSlotId> ext-a : <Eqpt::RackId> / <Eqpt::ShelfId>	the physical number of the slot

Resource Identifier	Type	Description
	<pre> ext-b : <Eqpt::RackId> / <Eqpt::ShelfId> ctrl : <Eqpt::RackId> / <Eqpt::ShelfId> vlt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::VirtualSlotId>)</pre> <p>Possible values:</p> <ul style="list-style-type: none"> - lt : lt-slot - vlt : virtual LT slot (VVPS board can only be planned at NANT-E / FANT-F) - nt-a : nt-a slot - nt-b : nt-b slot - nt : nt slot - ext-a : nt-a slot in an extension shelf - ext-b : nt-b slot in an extension shelf - acu : acu slot - ctrl : ctrl-slot <p>Field type <Eqpt::RackId></p> <ul style="list-style-type: none"> - the rack number <p>Field type <Eqpt::ShelfId></p> <ul style="list-style-type: none"> - the shelf number <p>Field type <Eqpt::SlotId></p> <ul style="list-style-type: none"> - the LT slot number <p>Field type <Eqpt::VirtualSlotId></p> <ul style="list-style-type: none"> - the virtual LT slot number <p>Field type <Eqpt::EqSlotId></p> <ul style="list-style-type: none"> - the equipment slot number 	

Table 5.4-2 "Slot Configuration Command" Command Parameters

Parameter	Type	Description
[no] planned-type	<p>Parameter type: <Equipm::BoardType></p> <p>Format:</p> <p>Data driven field type</p> <p>Possible values are depending on the actual configuration and software.</p> <p>The currently allowed values can be shown with online-help.</p>	<p><i>optional parameter with default value: "not-planned"</i></p> <p>type of board intended to be in this position</p>
[no] power-down	Parameter type: boolean	<p><i>optional parameter</i></p> <p>power down the board</p>
[no] unlock	Parameter type: boolean	<p><i>optional parameter</i></p> <p>unlock the board</p>
[no] alarm-profile	<p>Parameter type: <Equipm::AlarmProf></p> <p>Format:</p> <p>(none name : <PrintableString-0-32>)</p> <p>Possible values:</p> <ul style="list-style-type: none"> - none : no profile name to associate - name : profile name <p>Field type <PrintableString-0-32></p> <ul style="list-style-type: none"> - a printable string - length: x<=32 	<p><i>optional parameter with default value: "none"</i></p> <p>customized alarm profile assigned to this board</p>
[no] capab-profile	<p>Parameter type: <Equipm::CapabilityProfile></p> <p>Format:</p> <p>Data driven field type</p> <p>Possible values are depending on the actual configuration and software.</p> <p>The currently allowed values can be shown with online-help.</p>	<p><i>optional parameter with default value: "not_applicable"</i></p> <p>capability profile assigned to a line board</p>
[no] board-40gkr4	<p>Parameter type: <Equipm::board40GKR4></p> <p>Format:</p> <p>(inherited</p>	<p><i>optional parameter with default value: "inherited"</i></p> <p>inherited, disable or enable board</p>

5 Equipment Configuration Commands

Parameter	Type	Description
	disable enable) Possible values: - inherited : enable or disable 40G KR4 of the board is controlled by system level parameter - disable : the board should not work in 40GKR4 no matter the value of system level - enable : the board should work in 40GKR4 no matter the value of system level	40GKR4
[no] operational-mode	Parameter type: <Equipm::OperationalMode> Format: (not-set gpon xgs mpm-gpon-xgs dual-gpon u-ngpon twenty-five-g ng-pon2 mpm-gpon-xgpon) Possible values: - not-set : cage mode not-set - gpon : cage mode set to gpon - xgs : cage mode set to xgs - mpm-gpon-xgs : cage mode set to mpm-gpon-xgs - dual-gpon : cage mode set to dual-gpon - u-ngpon : cage mode set to u-ngpon - twenty-five-g : cage mode set to 25g - ng-pon2 : cage mode set to ng-pon2 - mpm-gpon-xgpon : cage mode set to mpm-gpon-xgpon	<i>optional parameter with default value: "not-set"</i> operation mode of the cage
[no] dual-host-ip	Parameter type: <Ip::V4Address> Format: - IPv4-address	<i>optional parameter with default value: "0.0.0.0"</i> dual host ip
[no] dual-host-loc	Parameter type: <Equipm::Dualhost> Format: (<Eqpt::MultiRackId> / <Eqpt::MultiShelfId> none) Possible values: - none : no host lsm location Field type <Eqpt::MultiRackId> - the rack number Field type <Eqpt::MultiShelfId> - the shelf number	<i>optional parameter with default value: "none"</i> dual host lsm location

5.5 Applique Configuration Command

Command Description

This command allows the operator to configure an applique.

The applique is identified by the physical slot number. The left-most slot in the shelf is number 1. The following parameter can be configured for the slot:

- *planned-type: the applique type to be inserted into the slot. The **not-planned** parameter indicates that an applique will not be inserted into that slot.*

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment applique (index) [ no planned-type | planned-type <Equipm::AppliqueType> ] [ no
applique-profile | applique-profile <Equipm::CapabilityProfile> ]
```

Command Parameters

Table 5.5-1 "Applique Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(index)	Format: (iont : <Eqpt::RackId> / <Eqpt::ShelfId> <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::AppliqueSlotId> lp : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::LtAppliqueSlotId> ntio-1 ntio-2) Possible values: - iont : an nt applique slot - lp : an lt applique slot - ntio-1 : an nt applique slot in a single or multiple-ntio-shelf - ntio-2 : an nt applique slot in a multiple-ntio-shelf Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::AppliqueSlotId> - the applique slot number Field type <Eqpt::LtAppliqueSlotId> - the LT Applique slot number	the physical number of the applique

Table 5.5-2 "Applique Configuration Command" Command Parameters

Parameter	Type	Description
[no] planned-type	Parameter type: <Equipm::AppliqueType> Format: Data driven field type Possible values are depending on the actual configuration and software. The currently allowed values can be shown with online-help.	<i>optional parameter with default value: "not-planned"</i> type of applique intended to be in this position
[no] applique-profile	Parameter type: <Equipm::CapabilityProfile> Format: Data driven field type Possible values are depending on the actual configuration and software. The currently allowed values can be shown with online-help.	<i>optional parameter with default value: "not_applicable"</i> capability profile assigned to the applique board

5.6 Protection Group Configuration Command

Command Description

This command allows the operator to configure a protection group.

The protection group is identified by the eqptProtGroupId attribute (index). The value 1 is reserved for extension chain protection group which is always present and cannot be deleted.

The protection group(s) are created implicitly by the system as part of the default configuration. Use "show equipment protection-group" to display the valid protection group identifier(s). Note that the default admin-status for protection-group 1 at system level is locked where it is always unlocked at cli level.

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment protection-group (prot-group-id) [ no admin-status | admin-status
<Equipm::PortGroupAdminStatus> ] [ no eps-quenchfactor | eps-quenchfactor <Equipm::TimeTicks> ]
```

Command Parameters

Table 5.6-1 "Protection Group Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(prot-group-id)	Format: - index of protection group - range: [1...109]	Index in eqpt Prot Group Table

Table 5.6-2 "Protection Group Configuration Command" Command Parameters

Parameter	Type	Description
[no] admin-status	Parameter type: <Equipm::PortGroupAdminStatus> Format: (unlock lock) Possible values: - unlock : unlock - lock : lock	<i>optional parameter with default value: "unlock"</i> changes the administrative-status to lock or unlock
[no] eps-quenchfactor	Parameter type: <Equipm::TimeTicks> Format: - timer value for quench mechanish - unit: 1/100 sec	<i>optional parameter with default value: "1440000"</i> timervalue of quenching mechanism(unit: 1/100sec), 0 is valid value

5.7 Protection Element Configuration Command

Command Description

This command allows the operator to configure a protection element.

The protection group is identified by the eqptProtGroupId attribute. The value 1 to 9 are reserved for the extension chain protection group which are always present and cannot be deleted. Group 1 corresponding with NT 1+1 group, and Group 2-9 corresponding with possible 8 LT 1+1 groups.

*The redcy-ctrl-status parameter is used to force a switchover between elements of a protection group or to keep one of the elements active. The **forced-active** parameter indicates that the NTA or NTB slot or LT slot is configured as active.*

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment protection-element (index) [ no redcy-ctrl-status | redcy-ctrl-status
<Equipm::ProtElementRedcyCtrlStatus> ]
```

Command Parameters

Table 5.7-1 "Protection Element Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(index)	Format: (lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> nt-a nt-b <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::EqSlotId> vlt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::VirtualSlotId>) Possible values: - lt : lt-slot - vlt : virtual LT slot (VVPS board can only be planned at NANT-E / FANT-F) - nt-a : nt-a slot - nt-b : nt-b slot Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::VirtualSlotId>	Index in eqpt Prot Element Table

Resource Identifier	Type	Description
	- the virtual LT slot number Field type <Eqpt::EqSlotId> - the equipment slot number	

Table 5.7-2 "Protection Element Configuration Command" Command Parameters

Parameter	Type	Description
[no] redcy-ctrl-status	Parameter type: <Equipm::ProtElementRedcyCtrlStatus> Format: (normal forced_active) Possible values: - normal : enables redundancy (active or standby) - forced_active : forces the element to be active	<i>optional parameter with default value: "normal"</i> changes the redundancy control status

5.8 External-link-host Configuration Commands

Command Description

This command allows the operator to configure the traffic direction of the configurable external-links on the host expansion card. The configurable parameters are:

- *direction*: The traffic direction. Two directions are supported:
 - *network* (**default**): the direction is configured to allow the traffic from the network
 - *remote-lt*: the direction is configured to allow the traffic to the remote line termination card

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment external-link-host (faceplate-number) [ no direction | direction
<Equipm::ExternalLinkConfigType> ]
```

Command Parameters

Table 5.8-1 "External-link-host Configuration Commands" Resource Parameters

Resource Identifier	Type	Description
(faceplate-number)	Format: (<Eqpt::ExtLinkConfigurableDeviceIndex> nt : sfp : <Eqpt::ExtLinkHostPortIndex> ntio-1 : sfp : <Eqpt::ExtLinkHostPortIndex> ntio-2 : sfp : <Eqpt::ExtLinkHostPortIndex>) Possible values: - nt : nt-slot - ntio-1 : an nt applique slot in a single or multiple-ntio-shelf - ntio-2 : an nt applique slot in a multiple-ntio-shelf Possible values: - sfp : SFP port - xfp : XFP port Field type <Eqpt::ExtLinkHostPortIndex> - host port number Field type <Eqpt::ExtLinkConfigurableDeviceIndex> - the faceplate number of the configurable external link	the faceplate number of the configurable external-link

Table 5.8-2 "External-link-host Configuration Commands" Command Parameters

Parameter	Type	Description
[no] direction	Parameter type: <Equipm::ExternalLinkConfigType> Format: (network	<i>optional parameter with default value: "network"</i> the external-link traffic direction

Parameter	Type	Description
	remote-lt) Possible values: - network : the connection direction is from the network - remote-lt : the connection direction is to the remote line termination card	

5.9 Host Shelf SFP Configuration Commands

Command Description

This command allows the operator to configure the association between a host shelf SFP/XFP and a remote LT.

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment external-link-assign (index) [ no remote | remote <Equipm::ExpansionSlotIndex> ]
```

Command Parameters

Table 5.9-1 "Host Shelf SFP Configuration Commands" Resource Parameters

Resource Identifier	Type	Description
(index)	Format: (<Eqpt::ExtSfpFaceplateType> nt : sfp : <Eqpt::ExtSfpFaceplateType> nt : xfp : <Eqpt::ExtSfpFaceplateType> lt : <Eqpt::HostRackId> / <Eqpt::HostShelfId> / <Eqpt::LtExtSlotId> / <Eqpt::ExtSfpFaceplateType> ntio-1 : sfp : <Eqpt::ExtSfpFaceplateType> ntio-1 : xfp : <Eqpt::ExtSfpFaceplateType> ntio-2 : sfp : <Eqpt::ExtSfpFaceplateType> ntio-2 : xfp : <Eqpt::ExtSfpFaceplateType>) Possible values: - nt : active nt slot - lt : lt-slot - ntio-1 : an nt applique slot in a single or multiple-ntio-shelf - ntio-2 : an nt applique slot in a multiple-ntio-shelf Field type <Eqpt::HostRackId> - the rack number Field type <Eqpt::HostShelfId> - the shelf number Field type <Eqpt::LtExtSlotId> - the LT slot number Possible values: - sfp : SFP port - xfp : XFP port Field type <Eqpt::ExtSfpFaceplateType> - The faceplate on which remote LT is connected	the physical sfp or xfp cage position

Table 5.9-2 "Host Shelf SFP Configuration Commands" Command Parameters

Parameter	Type	Description
[no] remote	Parameter type: <Equipm::ExpansionSlotIndex> Format: <Eqpt::ExpRack> / <Eqpt::ExpShelf> / <Eqpt::ExpSlot> Field type <Eqpt::ExpRack> - the physical number of the expansion rack, 0 stands for no remote Field type <Eqpt::ExpShelf> - physical nbr of expansion shelf within expansion rack, 0 stands for no remote Field type <Eqpt::ExpSlot> - the physical number of the slot within expansion shelf, 0 stands for no remote	<i>optional parameter with default value: "0/0/0"</i> the expansion shelf LSM

5.10 SFP/XFP Diagnostics configuration Command

Command Description

This command allows the operator to configure RSSI profile on SFP/XFP:

- The slot index of the sfp
- The number of the sfp cage
- The index of rssi profile which would be configured on SFP/XFP.

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment diagnostics sfp (position) [ no rssi-prof-id | rssi-prof-id <Eqpt::RssiProfileIndex> ] [ no rssi-state | rssi-state <Eqpt::RssiState> ]
```

Command Parameters

Table 5.10-1 "SFP/XFP Diagnostics configuration Command" Resource Parameters

Resource Identifier	Type	Description
(position)	Format: (acu : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SfpCageNumber> iont : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SfpCageNumber> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : sfp : <Eqpt::SfpCageNumber> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : xfp : <Eqpt::SfpCageNumber> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : qsf : <Eqpt::SfpCageNumber> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : cfp : <Eqpt::SfpCageNumber> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : sfp1 : <Eqpt::SfpCageNumber> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : sfp2 : <Eqpt::SfpCageNumber> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : xfp1 : <Eqpt::SfpCageNumber> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : xfp2 : <Eqpt::SfpCageNumber> <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::EqSlotId> / <Eqpt::SfpCageNumber> nt : sfp : <Eqpt::SfpCageNumber>	the physical sfp cage position

Resource Identifier	Type	Description
	nt : xfp : <Eqpt::SfpCageNumber> nt : qsf : <Eqpt::SfpCageNumber> nt : cfp : <Eqpt::SfpCageNumber> nt : sfp1 : <Eqpt::SfpCageNumber> nt : sfp2 : <Eqpt::SfpCageNumber> nt : xfp1 : <Eqpt::SfpCageNumber> nt : xfp2 : <Eqpt::SfpCageNumber> lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> : sfp : <Eqpt::SfpCageNumber> lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> : xfp : <Eqpt::SfpCageNumber> lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> : qsf : <Eqpt::SfpCageNumber> lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> : cfp : <Eqpt::SfpCageNumber> lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> : sfp1 : <Eqpt::SfpCageNumber> lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> : sfp2 : <Eqpt::SfpCageNumber> lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> : xfp1 : <Eqpt::SfpCageNumber> lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> : xfp2 : <Eqpt::SfpCageNumber> ntio-1 : sfp : <Eqpt::SfpCageNumber> ntio-1 : xfp : <Eqpt::SfpCageNumber> ntio-1 : qsf : <Eqpt::SfpCageNumber> ntio-1 : cfp : <Eqpt::SfpCageNumber> ntio-1 : sfp1 : <Eqpt::SfpCageNumber> ntio-1 : sfp2 : <Eqpt::SfpCageNumber> ntio-1 : xfp1 : <Eqpt::SfpCageNumber> ntio-1 : xfp2 : <Eqpt::SfpCageNumber> ntio-2 : sfp : <Eqpt::SfpCageNumber> ntio-2 : xfp : <Eqpt::SfpCageNumber> ntio-2 : qsf : <Eqpt::SfpCageNumber> ntio-2 : cfp : <Eqpt::SfpCageNumber> ntio-2 : sfp1 : <Eqpt::SfpCageNumber> ntio-2 : sfp2 : <Eqpt::SfpCageNumber> ntio-2 : xfp1 : <Eqpt::SfpCageNumber> ntio-2 : xfp2 : <Eqpt::SfpCageNumber> nt-a : sfp : <Eqpt::SfpCageNumber> nt-a : xfp : <Eqpt::SfpCageNumber> nt-a : qsf : <Eqpt::SfpCageNumber> nt-a : cfp : <Eqpt::SfpCageNumber> nt-a : sfp1 : <Eqpt::SfpCageNumber> nt-a : sfp2 : <Eqpt::SfpCageNumber> nt-a : xfp1 : <Eqpt::SfpCageNumber> nt-a : xfp2 : <Eqpt::SfpCageNumber> nt-b : sfp : <Eqpt::SfpCageNumber> nt-b : xfp : <Eqpt::SfpCageNumber> nt-b : qsf : <Eqpt::SfpCageNumber> nt-b : cfp : <Eqpt::SfpCageNumber> nt-b : sfp1 : <Eqpt::SfpCageNumber> nt-b : sfp2 : <Eqpt::SfpCageNumber> nt-b : xfp1 : <Eqpt::SfpCageNumber> nt-b : xfp2 : <Eqpt::SfpCageNumber>) Possible values: - acu : acu slot	

5 Equipment Configuration Commands

Resource Identifier	Type	Description
	<ul style="list-style-type: none"> - iot : an nt applique slot - remote-sfp : remote sfp - nt : active nt slot - lt : lt-slot - ntio-1 : an nt applique slot in a single or multiple-ntio-shelf - ntio-2 : an nt applique slot in a multiple-ntio-shelf - nt-a : nt-a slot - nt-b : nt-b slot <p>Field type <Eqpt::RackId></p> <ul style="list-style-type: none"> - the rack number <p>Field type <Eqpt::ExpRack></p> <ul style="list-style-type: none"> - the physical number of the expansion rack, 0 stands for no remote <p>Field type <Eqpt::ShelfId></p> <ul style="list-style-type: none"> - the shelf number <p>Field type <Eqpt::ExpShelf></p> <ul style="list-style-type: none"> - physical nbr of expansion shelf within expansion rack, 0 stands for no remote <p>Field type <Eqpt::EqSlotId></p> <ul style="list-style-type: none"> - the equipment slot number <p>Field type <Eqpt::SlotId></p> <ul style="list-style-type: none"> - the LT slot number <p>Possible values:</p> <ul style="list-style-type: none"> - sfp : SFP port - xfp : XFP port - qsfp : QSFP port - cfp : CFP4 port - sfp1 : SFP port 1 - sfp2 : SFP port 2 - xfp1 : XFP port 1 - xfp2 : XFP port 2 <p>Field type <Eqpt::SfpCageNumber></p> <ul style="list-style-type: none"> - the SFP cage number - range: [0...2304] 	

Table 5.10-2 "SFP/XFP Diagnostics configuration Command" Command Parameters

Parameter	Type	Description
[no] rssi-prof-id	<p>Parameter type: <Eqpt::RssiProfileIndex></p> <p>Format:</p> <ul style="list-style-type: none"> - an unique index value for the rssi profile(1-200:userdefined,65535:automode) - range: [1...200,65535] 	<p><i>optional parameter with default value: "65535"</i></p> <p>an unique index of the rssi profile(1-200)</p>
[no] rssi-state	<p>Parameter type: <Eqpt::RssiState></p> <p>Format:</p> <p>(enable disable)</p> <p>Possible values:</p> <ul style="list-style-type: none"> - enable : enable rssi functionality - disable : disable rssi functionality 	<p><i>optional parameter with default value: "disable"</i></p> <p>to enable or disable the rssi functionality of sfp for uplink ports</p>

5.11 Sfp RSSI Configuration Command

Command Description

This command allows the operator to create and configure the RSSI parameters on SFPs.

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment ( no rssiprof (index) ) | ( rssiprof (index) name <Eqpt::DisplayString> [ no temp-alm-low |
temp-alm-low <Eqpt::TcaTemp> ] [ no temp-alm-high | temp-alm-high <Eqpt::TcaTemp> ] [ no temp-warn-low |
temp-warn-low <Eqpt::TcaTemp> ] [ no temp-warn-high | temp-warn-high <Eqpt::TcaTemp> ] [ no
voltage-alm-low | voltage-alm-low <Eqpt::TcaVoltage> ] [ no voltage-alm-high | voltage-alm-high
<Eqpt::TcaVoltage> ] [ no voltage-warn-low | voltage-warn-low <Eqpt::TcaVoltage> ] [ no voltage-warn-high |
voltage-warn-high <Eqpt::TcaVoltage> ] [ no bias-alm-low | bias-alm-low <Eqpt::TcaBias> ] [ no bias-alm-high |
bias-alm-high <Eqpt::TcaBias> ] [ no bias-warn-low | bias-warn-low <Eqpt::TcaBias> ] [ no bias-warn-high |
bias-warn-high <Eqpt::TcaBias> ] [ no tx-pwr-alm-low | tx-pwr-alm-low <Eqpt::TcaTxPwr> ] [ no
tx-pwr-alm-high | tx-pwr-alm-high <Eqpt::TcaTxPwr> ] [ no tx-pwr-warn-low | tx-pwr-warn-low
<Eqpt::TcaTxPwr> ] [ no tx-pwr-warn-high | tx-pwr-warn-high <Eqpt::TcaTxPwr> ] [ no rx-pwr-alm-low |
rx-pwr-alm-low <Eqpt::TcaRxPwr> ] [ no rx-pwr-alm-high | rx-pwr-alm-high <Eqpt::TcaRxPwr> ] [ no
rx-pwr-warn-low | rx-pwr-warn-low <Eqpt::TcaRxPwr> ] [ no rx-pwr-warn-high | rx-pwr-warn-high
<Eqpt::TcaRxPwr> ] [ no ebias-alm-low | ebias-alm-low <Eqpt::TcaBias> ] [ no ebias-alm-high | ebias-alm-high
<Eqpt::TcaBias> ] [ no ebias-warn-low | ebias-warn-low <Eqpt::TcaBias> ] [ no ebias-warn-high | ebias-warn-high
<Eqpt::TcaBias> ] [ no etx-alm-low | etx-alm-low <Eqpt::TcaTxPwr> ] [ no etx-alm-high | etx-alm-high
<Eqpt::TcaTxPwr> ] [ no etx-warn-low | etx-warn-low <Eqpt::TcaTxPwr> ] [ no etx-warn-high | etx-warn-high
<Eqpt::TcaTxPwr> ] [ no erx-alm-low | erx-alm-low <Eqpt::TcaRxPwr> ] [ no erx-alm-high | erx-alm-high
<Eqpt::TcaRxPwr> ] [ no erx-warn-low | erx-warn-low <Eqpt::TcaRxPwr> ] [ no erx-warn-high | erx-warn-high
<Eqpt::TcaRxPwr> ] [ no etemp-alm-low | etemp-alm-low <Eqpt::TcaTemp> ] [ no etemp-alm-high |
etemp-alm-high <Eqpt::TcaTemp> ] [ no etemp-warn-low | etemp-warn-low <Eqpt::TcaTemp> ] [ no
etemp-warn-high | etemp-warn-high <Eqpt::TcaTemp> ] [ no profile-type | profile-type <Eqpt::RssiProfileType> ] )
```

Command Parameters

Table 5.11-1 "Sfp RSSI Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(index)	Format: - an unique index value for the rssi profile(1-200) - range: [1...200]	an unique index of the rssi profile(1-200)

Table 5.11-2 "Sfp RSSI Configuration Command" Command Parameters

Parameter	Type	Description
name	Parameter type: <Eqpt::DisplayString> Format:	<i>mandatory parameter</i> A unique profile name

5 Equipment Configuration Commands

Parameter	Type	Description
	- string to identify the rssi profile - length: 1<=x<=16	
[no] temp-alm-low	Parameter type: <Eqpt::TcaTemp> Format: - temperature of SFP - unit: degree C - range: [-128...128]	<i>optional parameter with default value: "0"</i> alarm low threshold for temperature
[no] temp-alm-high	Parameter type: <Eqpt::TcaTemp> Format: - temperature of SFP - unit: degree C - range: [-128...128]	<i>optional parameter with default value: "0"</i> alarm high threshold for temperature
[no] temp-warn-low	Parameter type: <Eqpt::TcaTemp> Format: - temperature of SFP - unit: degree C - range: [-128...128]	<i>optional parameter with default value: "0"</i> warn low threshold for temperature
[no] temp-warn-high	Parameter type: <Eqpt::TcaTemp> Format: - temperature of SFP - unit: degree C - range: [-128...128]	<i>optional parameter with default value: "0"</i> warn high threshold for temperature
[no] voltage-alm-low	Parameter type: <Eqpt::TcaVoltage> Format: - voltage of SFP - unit: volts - range: [0...6.55]	<i>optional parameter with default value: "0"</i> alarm low threshold for Voltage
[no] voltage-alm-high	Parameter type: <Eqpt::TcaVoltage> Format: - voltage of SFP - unit: volts - range: [0...6.55]	<i>optional parameter with default value: "0"</i> alarm high threshold for Voltage
[no] voltage-warn-low	Parameter type: <Eqpt::TcaVoltage> Format: - voltage of SFP - unit: volts - range: [0...6.55]	<i>optional parameter with default value: "0"</i> warn low threshold for Voltage
[no] voltage-warn-high	Parameter type: <Eqpt::TcaVoltage> Format: - voltage of SFP - unit: volts - range: [0...6.55]	<i>optional parameter with default value: "0"</i> warn high threshold for Voltage
[no] bias-alm-low	Parameter type: <Eqpt::TcaBias> Format: - bias of SFP - unit: mA - range: [0...262]	<i>optional parameter with default value: "0"</i> alarm low threshold for bias
[no] bias-alm-high	Parameter type: <Eqpt::TcaBias> Format: - bias of SFP - unit: mA - range: [0...262]	<i>optional parameter with default value: "0"</i> alarm high threshold for bias
[no] bias-warn-low	Parameter type: <Eqpt::TcaBias> Format: - bias of SFP - unit: mA - range: [0...262]	<i>optional parameter with default value: "0"</i> warn low threshold for bias

Parameter	Type	Description
[no] bias-warn-high	Parameter type: <Eqpt::TcaBias> Format: - bias of SFP - unit: mA - range: [0...262]	<i>optional parameter with default value: "0"</i> warn high threshold for bias
[no] tx-pwr-alm-low	Parameter type: <Eqpt::TcaTxPwr> Format: <Eqpt::TcaTxPwr> Field type <Eqpt::TcaTxPwr> - power of SFP - unit: dbm - range: [-63.5...63.5]	<i>optional parameter with default value: "0"</i> alarm low threshold for Tx power
[no] tx-pwr-alm-high	Parameter type: <Eqpt::TcaTxPwr> Format: <Eqpt::TcaTxPwr> Field type <Eqpt::TcaTxPwr> - power of SFP - unit: dbm - range: [-63.5...63.5]	<i>optional parameter with default value: "0"</i> alarm high threshold for Tx power
[no] tx-pwr-warn-low	Parameter type: <Eqpt::TcaTxPwr> Format: <Eqpt::TcaTxPwr> Field type <Eqpt::TcaTxPwr> - power of SFP - unit: dbm - range: [-63.5...63.5]	<i>optional parameter with default value: "0"</i> warn low threshold for Tx power
[no] tx-pwr-warn-high	Parameter type: <Eqpt::TcaTxPwr> Format: <Eqpt::TcaTxPwr> Field type <Eqpt::TcaTxPwr> - power of SFP - unit: dbm - range: [-63.5...63.5]	<i>optional parameter with default value: "0"</i> warn high threshold for Tx power
[no] rx-pwr-alm-low	Parameter type: <Eqpt::TcaRxPwr> Format: <Eqpt::TcaRxPwr> Field type <Eqpt::TcaRxPwr> - power of SFP - unit: dbm - range: [-127...8.2]	<i>optional parameter with default value: "0"</i> alarm low threshold for Rx power
[no] rx-pwr-alm-high	Parameter type: <Eqpt::TcaRxPwr> Format: <Eqpt::TcaRxPwr> Field type <Eqpt::TcaRxPwr> - power of SFP - unit: dbm - range: [-127...8.2]	<i>optional parameter with default value: "0"</i> alarm high threshold for Rx power
[no] rx-pwr-warn-low	Parameter type: <Eqpt::TcaRxPwr> Format: <Eqpt::TcaRxPwr> Field type <Eqpt::TcaRxPwr> - power of SFP - unit: dbm - range: [-127...8.2]	<i>optional parameter with default value: "0"</i> warn low threshold for Rx power
[no] rx-pwr-warn-high	Parameter type: <Eqpt::TcaRxPwr> Format: <Eqpt::TcaRxPwr>	<i>optional parameter with default value: "0"</i> warn high threshold for Rx power

5 Equipment Configuration Commands

Parameter	Type	Description
	Field type <Eqpt::TcaRxPwr> - power of SFP - unit: dbm - range: [-127...8.2]	
[no] ebias-alm-low	Parameter type: <Eqpt::TcaBias> Format: - bias of SFP - unit: mA - range: [0...262]	<i>optional parameter with default value: "0"</i> alarm low threshold for ext bias
[no] ebias-alm-high	Parameter type: <Eqpt::TcaBias> Format: - bias of SFP - unit: mA - range: [0...262]	<i>optional parameter with default value: "0"</i> alarm high threshold for ext bias
[no] ebias-warn-low	Parameter type: <Eqpt::TcaBias> Format: - bias of SFP - unit: mA - range: [0...262]	<i>optional parameter with default value: "0"</i> warn low threshold for ext bias
[no] ebias-warn-high	Parameter type: <Eqpt::TcaBias> Format: - bias of SFP - unit: mA - range: [0...262]	<i>optional parameter with default value: "0"</i> warn high threshold for ext bias
[no] etx-alm-low	Parameter type: <Eqpt::TcaTxPwr> Format: <Eqpt::TcaTxPwr> Field type <Eqpt::TcaTxPwr> - power of SFP - unit: dbm - range: [-63.5...63.5]	<i>optional parameter with default value: "0"</i> alarm low threshold for ext Tx power
[no] etx-alm-high	Parameter type: <Eqpt::TcaTxPwr> Format: <Eqpt::TcaTxPwr> Field type <Eqpt::TcaTxPwr> - power of SFP - unit: dbm - range: [-63.5...63.5]	<i>optional parameter with default value: "0"</i> alarm high threshold for ext Tx power
[no] etx-warn-low	Parameter type: <Eqpt::TcaTxPwr> Format: <Eqpt::TcaTxPwr> Field type <Eqpt::TcaTxPwr> - power of SFP - unit: dbm - range: [-63.5...63.5]	<i>optional parameter with default value: "0"</i> warn low threshold for ext Tx power
[no] etx-warn-high	Parameter type: <Eqpt::TcaTxPwr> Format: <Eqpt::TcaTxPwr> Field type <Eqpt::TcaTxPwr> - power of SFP - unit: dbm - range: [-63.5...63.5]	<i>optional parameter with default value: "0"</i> warn high threshold for ext Tx power
[no] erx-alm-low	Parameter type: <Eqpt::TcaRxPwr> Format: <Eqpt::TcaRxPwr> Field type <Eqpt::TcaRxPwr> - power of SFP	<i>optional parameter with default value: "0"</i> alarm low threshold for ext Rx power

Parameter	Type	Description
	- unit: dbm - range: [-127...8.2]	
[no] erx-alm-high	Parameter type: <Eqpt::TcaRxPwr> Format: <Eqpt::TcaRxPwr> Field type <Eqpt::TcaRxPwr> - power of SFP - unit: dbm - range: [-127...8.2]	<i>optional parameter with default value: "0"</i> alarm high threshold for ext Rx power
[no] erx-warn-low	Parameter type: <Eqpt::TcaRxPwr> Format: <Eqpt::TcaRxPwr> Field type <Eqpt::TcaRxPwr> - power of SFP - unit: dbm - range: [-127...8.2]	<i>optional parameter with default value: "0"</i> warn low threshold for ext Rx power
[no] erx-warn-high	Parameter type: <Eqpt::TcaRxPwr> Format: <Eqpt::TcaRxPwr> Field type <Eqpt::TcaRxPwr> - power of SFP - unit: dbm - range: [-127...8.2]	<i>optional parameter with default value: "0"</i> warn high threshold for ext Rx power
[no] etemp-alm-low	Parameter type: <Eqpt::TcaTemp> Format: - temperature of SFP - unit: degree C - range: [-128...128]	<i>optional parameter with default value: "0"</i> alarm low threshold for temperature on network lane
[no] etemp-alm-high	Parameter type: <Eqpt::TcaTemp> Format: - temperature of SFP - unit: degree C - range: [-128...128]	<i>optional parameter with default value: "0"</i> alarm high threshold for temperature on network lane
[no] etemp-warn-low	Parameter type: <Eqpt::TcaTemp> Format: - temperature of SFP - unit: degree C - range: [-128...128]	<i>optional parameter with default value: "0"</i> warn low threshold for temperature on network lane
[no] etemp-warn-high	Parameter type: <Eqpt::TcaTemp> Format: - temperature of SFP - unit: degree C - range: [-128...128]	<i>optional parameter with default value: "0"</i> warn high threshold for temperature on network lane
[no] profile-type	Parameter type: <Eqpt::RssiProfileType> Format: (olt ont) Possible values: - olt : This profile is for OLT usage - ont : This profile is for ONT usage	<i>optional parameter with default value: "olt"</i> determine if this RSSI Profile is for OLT or ONT

5.12 2xE1/DS1 CLOCK configuration Command

Command Description

This command allows the operator to configure clock source on the 2xE1/DS1 sfp:

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment sfpelt1 ( no clock (position) ) | ( clock (position) [ no clocksource | clocksource
<Eqpt::ClockSource> ] )
```

Command Parameters

Table 5.12-1 "2xE1/DS1 CLOCK configuration Command" Resource Parameters

Resource Identifier	Type	Description
(position)	Format: (acu : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::E1dsx1SfpCageNumber> iont : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::E1dsx1SfpCageNumber> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : <Eqpt::E1dsx1SfpCageNumber> <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::EqSlotId> / <Eqpt::E1dsx1SfpCageNumber> nt : sfp : <Eqpt::E1dsx1SfpCageNumber> nt : xfp : <Eqpt::E1dsx1SfpCageNumber> lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::E1dsx1SfpCageNumber> ntio-1 : sfp : <Eqpt::E1dsx1SfpCageNumber> ntio-1 : xfp : <Eqpt::E1dsx1SfpCageNumber> ntio-2 : sfp : <Eqpt::E1dsx1SfpCageNumber> ntio-2 : xfp : <Eqpt::E1dsx1SfpCageNumber> nt-a : sfp : <Eqpt::E1dsx1SfpCageNumber> nt-a : xfp : <Eqpt::E1dsx1SfpCageNumber> nt-b : sfp : <Eqpt::E1dsx1SfpCageNumber> nt-b : xfp : <Eqpt::E1dsx1SfpCageNumber>) Possible values: - acu : acu slot - iont : an nt applique slot - remote-sfp : remote sfp - nt : active nt slot - lt : lt-slot	the physical sfp cage position

Resource Identifier	Type	Description
	<ul style="list-style-type: none"> - ntio-1 : an nt applique slot in a single or multiple-ntio-shelf - ntio-2 : an nt applique slot in a multiple-ntio-shelf - nt-a : nt-a slot - nt-b : nt-b slot Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ExpRack> - the physical number of the expansion rack, 0 stands for no remote Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::ExpShelf> - physical nbr of expansion shelf within expansion rack, 0 stands for no remote Field type <Eqpt::EqSlotId> - the equipment slot number Field type <Eqpt::SlotId> - the LT slot number Possible values: - sfp : SFP port - xfp : XFP port Field type <Eqpt::E1dsx1SfpCageNumber> - the SFP cage number range NELT-B [1,3..35], NCNC-B/C/D [2..7], RELT-A/B [1,3..15]	

Table 5.12-2 "2xE1/DS1 CLOCK configuration Command" Command Parameters

Parameter	Type	Description
[no] clocksource	Parameter type: <Eqpt::ClockSource> Format: (tributary1 tributary2 serdes) Possible values: - tributary1 : clock source is from tributary 1 - tributary2 : clock source is from tributary 2 - serdes : clock source is from serdes	<i>optional parameter with default value: "serdes"</i> Clock source can be tributary1 or tributary2 or serdes

5.13 2xE1/DS1 Pseudo Wire TDM Interface configuration Command

Command Description

This command allows the operator to configure PWTDM interface parameters on the 2xE1/DS1 sfp:

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment sfpelt1 tdmintf (position) [ no window-number | window-number <Eqpt::WindowNumber>
] [ no window-length | window-length <Eqpt::Windowlength> ]
```

Command Parameters

Table 5.13-1 "2xE1/DS1 Pseudo Wire TDM Interface configuration Command" Resource Parameters

Resource Identifier	Type	Description
(position)	Format: (acu : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::E1dsx1SfpCageNumber> iont : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::E1dsx1SfpCageNumber> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : <Eqpt::E1dsx1SfpCageNumber> <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::EqSlotId> / <Eqpt::E1dsx1SfpCageNumber> nt : sfp : <Eqpt::E1dsx1SfpCageNumber> nt : xfp : <Eqpt::E1dsx1SfpCageNumber> It : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::E1dsx1SfpCageNumber> ntio-1 : sfp : <Eqpt::E1dsx1SfpCageNumber> ntio-1 : xfp : <Eqpt::E1dsx1SfpCageNumber> ntio-2 : sfp : <Eqpt::E1dsx1SfpCageNumber> ntio-2 : xfp : <Eqpt::E1dsx1SfpCageNumber> nt-a : sfp : <Eqpt::E1dsx1SfpCageNumber> nt-a : xfp : <Eqpt::E1dsx1SfpCageNumber> nt-b : sfp : <Eqpt::E1dsx1SfpCageNumber> nt-b : xfp : <Eqpt::E1dsx1SfpCageNumber>) Possible values: - acu : acu slot	the physical sfp cage position

Resource Identifier	Type	Description
	<ul style="list-style-type: none"> - iont : an nt applique slot - remote-sfp : remote sfp - nt : active nt slot - lt : lt-slot - ntio-1 : an nt applique slot in a single or multiple-ntio-shelf - ntio-2 : an nt applique slot in a multiple-ntio-shelf - nt-a : nt-a slot - nt-b : nt-b slot <p>Field type <Eqpt::RackId></p> <ul style="list-style-type: none"> - the rack number <p>Field type <Eqpt::ExpRack></p> <ul style="list-style-type: none"> - the physical number of the expansion rack, 0 stands for no remote <p>Field type <Eqpt::ShelfId></p> <ul style="list-style-type: none"> - the shelf number <p>Field type <Eqpt::ExpShelf></p> <ul style="list-style-type: none"> - physical nbr of expansion shelf within expansion rack, 0 stands for no remote <p>Field type <Eqpt::EqSlotId></p> <ul style="list-style-type: none"> - the equipment slot number <p>Field type <Eqpt::SlotId></p> <ul style="list-style-type: none"> - the LT slot number <p>Possible values:</p> <ul style="list-style-type: none"> - sfp : SFP port - xfp : XFP port <p>Field type <Eqpt::E1dsx1SfpCageNumber></p> <ul style="list-style-type: none"> - the SFP cage number range NELT-B [1,3..35], NCNC-B/C/D [2..7], RELT-A/B [1,3..15] 	

Table 5.13-2 "2xE1/DS1 Pseudo Wire TDM Interface configuration Command" Command Parameters

Parameter	Type	Description
[no] window-number	<p>Parameter type: <Eqpt::WindowNumber></p> <p>Format:</p> <ul style="list-style-type: none"> - window-number range - range: [0...255] 	<p><i>optional parameter with default value: "20"</i></p> <p>window number can be configured from 0 to 255, selecting value 0 sets default value</p>
[no] window-length	<p>Parameter type: <Eqpt::Windowlength></p> <p>Format:</p> <ul style="list-style-type: none"> - window-length range - range: [0...255] 	<p><i>optional parameter with default value: "10"</i></p> <p>window number can be configured from 0 to 255, selecting value 0 sets default value, units multiple of 10 milliseconds</p>

5.14 2xE1/DS1 Pseudo Wire TDM SFP configuration Command

Command Description

This command allows the operator to configure pseudowire TDM parameters on the 2xE1/DS1 sfp:

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment sfpel1t1 ( no pwtdm (position) ) | ( pwtdm (position) channel <Eqpt::Channel> packet-length
<Eqpt::Packetlength> jitter-buff-size <Eqpt::JitBufSize> vlanid <Eqpt::VlanId> priority <Eqpt::Priority>
conseq-number <Eqpt::ConseqNo> ecid-rx <Eqpt::ECID> ecid-tx <Eqpt::ECID> source-mac
<Eqpt::PhysicalAddress> dest-mac <Eqpt::PhysicalAddress> )
```

Command Parameters

Table 5.14-1 "2xE1/DS1 Pseudo Wire TDM SFP configuration Command" Resource Parameters

Resource Identifier	Type	Description
(position)	Format: (acu : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> iont : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::EqSlotId> / <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> ntio-1 : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> ntio-1 : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> ntio-2 : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> ntio-2 : xfp : <Eqpt::E1dsx1SfpCageNumber> :	the physical sfp cage position

Resource Identifier	Type	Description
	<p><Eqpt::TributaryIndex> nt-a : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt-a : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt-b : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt-b : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex>)</p> <p>Possible values: - acu : acu slot - iont : an nt applique slot - remote-sfp : remote sfp - nt : active nt slot - lt : lt-slot - ntio-1 : an nt applique slot in a single or multiple-ntio-shelf - ntio-2 : an nt applique slot in a multiple-ntio-shelf - nt-a : nt-a slot - nt-b : nt-b slot</p> <p>Field type <Eqpt::RackId> - the rack number</p> <p>Field type <Eqpt::ExpRack> - the physical number of the expansion rack, 0 stands for no remote</p> <p>Field type <Eqpt::ShelfId> - the shelf number</p> <p>Field type <Eqpt::ExpShelf> - physical nbr of expansion shelf within expansion rack, 0 stands for no remote</p> <p>Field type <Eqpt::EqSlotId> - the equipment slot number</p> <p>Field type <Eqpt::SlotId> - the LT slot number</p> <p>Possible values: - sfp : SFP port - xfp : XFP port</p> <p>Field type <Eqpt::E1dsx1SfpCageNumber> - the SFP cage number range NELT-B [1,3..35], NCNC-B/C/D [2..7], RELT-A/B [1,3..15]</p> <p>Field type <Eqpt::TributaryIndex> - tributary index - range: [1...3]</p>	

Table 5.14-2 "2xE1/DS1 Pseudo Wire TDM SFP configuration Command" Command Parameters

Parameter	Type	Description
channel	<p>Parameter type: <Eqpt::Channel> Format: (close open) Possible values: - close : close channel - open : open channel</p>	<i>mandatory parameter</i> open or close the channel
packet-length	<p>Parameter type: <Eqpt::Packetlength> Format: - packet length range - range: [0...16382]</p>	<i>mandatory parameter</i> packet length can be configured from 0 to 16382, packet length for MEF8 is 256 bytes
jitter-buff-size	Parameter type: <Eqpt::JitBufSize>	<i>mandatory parameter</i>

5 Equipment Configuration Commands

Parameter	Type	Description
	Format: - jitter buffer size - range: [0...1023]	jitter buffer size can be configured from 0 to 1023, units in number of MEF8 packets
vlanid	Parameter type: <Eqpt::VlanId> Format: - vlan index - range: [0...4095]	<i>mandatory parameter</i> vlan id can be configured from 0 to 4095
priority	Parameter type: <Eqpt::Priority> Format: - priority range 0 to 7 - range: [0...7]	<i>mandatory parameter</i> 802.1p priority range 0 to 7
conseq-number	Parameter type: <Eqpt::ConseqNo> Format: - consequence range 0 to 7, 0: no control, 1-6: number of packets out of sequence - range: [0...7]	<i>mandatory parameter</i> consequence number range 0 to 7
ecid-rx	Parameter type: <Eqpt::ECID> Format: - Emulated circuit identifier range 0 to 1048575 - range: [0...1048575]	<i>mandatory parameter</i> receive emulated circuit identifier range 0 to 1048575
ecid-tx	Parameter type: <Eqpt::ECID> Format: - Emulated circuit identifier range 0 to 1048575 - range: [0...1048575]	<i>mandatory parameter</i> transmit emulated circuit identifier range 0 to 1048575
source-mac	Parameter type: <Eqpt::PhysicalAddress> Format: - media dependent physical address - length: 6	<i>mandatory parameter</i> source mac address
dest-mac	Parameter type: <Eqpt::PhysicalAddress> Format: - media dependent physical address - length: 6	<i>mandatory parameter</i> destination mac address

5.15 2xE1/DS1 Framer configuration Command

Command Description

This command allows the operator to configure Framer parameters on the 2xE1/DS1 sfp:

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment sfpeltl framer (position) [ no frame-mode | frame-mode <Eqpt::Framemode> ] [ no
iwf-on-liu | iwf-on-liu <Eqpt::IwfOnLiu> ] [ no liu-on-liu | liu-on-liu <Eqpt::LiuOnliu> ] [ no pm-to-iwf |
pm-to-iwf <Eqpt::PmToiwf> ] [ no ais-to-iwf | ais-to-iwf <Eqpt::AisToiwf> ] [ no rai-to-iwf | rai-to-iwf
<Eqpt::RaiToiwf> ] [ no rei-to-iwf | rei-to-iwf <Eqpt::ReiToiwf> ] [ no pm-to-liu | pm-to-liu <Eqpt::PmToliu> ] [
no ais-to-liu | ais-to-liu <Eqpt::AisToliu> ] [ no rai-to-liu | rai-to-liu <Eqpt::RaiToliu> ] [ no rei-to-liu | rei-to-liu
<Eqpt::ReiToliu> ]
```

Command Parameters

Table 5.15-1 "2xE1/DS1 Framer configuration Command" Resource Parameters

Resource Identifier	Type	Description
(position)	Format: (acu : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> iont : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::EqSlotId> / <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> ntio-1 : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> ntio-1 : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> ntio-2 : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> ntio-2 : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex>	the physical sfp cage position

5 Equipment Configuration Commands

Resource Identifier	Type	Description
	<pre> nt-a : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt-a : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt-b : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt-b : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex>) Possible values: - acu : acu slot - iont : an nt applique slot - remote-sfp : remote sfp - nt : active nt slot - lt : lt-slot - ntio-1 : an nt applique slot in a single or multiple-ntio-shelf - ntio-2 : an nt applique slot in a multiple-ntio-shelf - nt-a : nt-a slot - nt-b : nt-b slot Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ExpRack> - the physical number of the expansion rack, 0 stands for no remote Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::ExpShelf> - physical nbr of expansion shelf within expansion rack, 0 stands for no remote Field type <Eqpt::EqSlotId> - the equipment slot number Field type <Eqpt::SlotId> - the LT slot number Possible values: - sfp : SFP port - xfp : XFP port Field type <Eqpt::E1dsx1SfpCageNumber> - the SFP cage number range NELT-B [1,3..35], NCNC-B/C/D [2..7], RELT-A/B [1,3..15] Field type <Eqpt::TributaryIndex> - tributary index - range: [1...3] </pre>	

Table 5.15-2 "2xE1/DS1 Framer configuration Command" Command Parameters

Parameter	Type	Description
[no] frame-mode	Parameter type: <Eqpt::Framemode> Format: (framed unframed) Possible values: - framed : selects framed tdm packet - unframed : selects unframed tdm packet	<i>optional parameter with default value: "unframed"</i> select line framing mode
[no] iwf-on-liu	Parameter type: <Eqpt::IwfOnLiu> Format: (enable disable) Possible values: - enable : enable loop towards iwf on liu	<i>optional parameter with default value: "disable"</i> enable loop towards iwf on liu

Parameter	Type	Description
	- disable : disable loop towards iwf on liu	
[no] liu-on-liu	Parameter type: <Eqpt::LiuOnliu> Format: (enable disable) Possible values: - enable : enable loop towards liu on liu - disable : disable loop towards liu on liu	<i>optional parameter with default value: "disable"</i> enable loop towards liu on liu
[no] pm-to-iwf	Parameter type: <Eqpt::PmToiwf> Format: (enable disable) Possible values: - enable : enable performance monitoring towards iwf - disable : disable performance monitoring towards iwf	<i>optional parameter with default value: "disable"</i> enable performance monitoring towards iwf
[no] ais-to-iwf	Parameter type: <Eqpt::AisToiwf> Format: (enable disable) Possible values: - enable : enable ais towards iwf - disable : disable ais towards iwf	<i>optional parameter with default value: "disable"</i> enable ais alarm towards iwf
[no] rai-to-iwf	Parameter type: <Eqpt::RaiToiwf> Format: (enable disable) Possible values: - enable : enable rai towards iwf - disable : disable rai towards iwf	<i>optional parameter with default value: "disable"</i> enable rai alarm towards iwf
[no] rei-to-iwf	Parameter type: <Eqpt::ReiToiwf> Format: (enable disable) Possible values: - enable : enable rei towards iwf - disable : disable rei towards iwf	<i>optional parameter with default value: "disable"</i> enable rei alarm towards iwf
[no] pm-to-liu	Parameter type: <Eqpt::PmToliu> Format: (enable disable) Possible values: - enable : enable performance monitoring towards liu - disable : disable performance monitoring towards liu	<i>optional parameter with default value: "disable"</i> enable performance monitoring towards liu
[no] ais-to-liu	Parameter type: <Eqpt::AisToliu> Format: (enable disable) Possible values: - enable : enable ais towards liu - disable : disable ais towards liu	<i>optional parameter with default value: "disable"</i> enable ais alarm towards liu
[no] rai-to-liu	Parameter type: <Eqpt::RaiToliu> Format: (enable disable) Possible values: - enable : enable rai towards liu - disable : disable rai towards liu	<i>optional parameter with default value: "disable"</i> enable rai alarm towards liu

5 Equipment Configuration Commands

Parameter	Type	Description
[no] rei-to-liu	Parameter type: <Eqpt::ReiToliu> Format: (enable disable) Possible values: - enable : enable rei towards liu - disable : disable rei towards liu	<i>optional parameter with default value: "disable"</i> enable rei alarm towards liu

5.16 2xE1/DS1 Line Interface Unit SFP configuration Command

Command Description

This command allows the operator to configure distance and cable impedance on the 2xE1/DS1 sfp:

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment sfpe1t1 liu (position) [ no distance | distance <Eqpt::distance> ] [ no cable-impedance | cable-impedance <Eqpt::CableImpedance> ]
```

Command Parameters

Table 5.16-1 "2xE1/DS1 Line Interface Unit SFP configuration Command" Resource Parameters

Resource Identifier	Type	Description
(position)	Format: (acu : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> iont : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> remote-sfp : <Eqpt::ExpRack> / <Eqpt::ExpShelf> : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::EqSlotId> / <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> It : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> ntio-1 : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> ntio-1 : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> ntio-2 : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> ntio-2 : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt-a : sfp : <Eqpt::E1dsx1SfpCageNumber> :	the physical sfp cage position

5 Equipment Configuration Commands

Resource Identifier	Type	Description
	<p><Eqpt::TributaryIndex> nt-a : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt-b : sfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex> nt-b : xfp : <Eqpt::E1dsx1SfpCageNumber> : <Eqpt::TributaryIndex>)</p> <p>Possible values:</p> <ul style="list-style-type: none"> - acu : acu slot - iont : an nt applique slot - remote-sfp : remote sfp - nt : active nt slot - lt : lt-slot - ntio-1 : an nt applique slot in a single or multiple-ntio-shelf - ntio-2 : an nt applique slot in a multiple-ntio-shelf - nt-a : nt-a slot - nt-b : nt-b slot <p>Field type <Eqpt::RackId> - the rack number</p> <p>Field type <Eqpt::ExpRack> - the physical number of the expansion rack, 0 stands for no remote</p> <p>Field type <Eqpt::ShelfId> - the shelf number</p> <p>Field type <Eqpt::ExpShelf> - physical nbr of expansion shelf within expansion rack, 0 stands for no remote</p> <p>Field type <Eqpt::EqSlotId> - the equipment slot number</p> <p>Field type <Eqpt::SlotId> - the LT slot number</p> <p>Possible values:</p> <ul style="list-style-type: none"> - sfp : SFP port - xfp : XFP port <p>Field type <Eqpt::E1dsx1SfpCageNumber> - the SFP cage number range NELT-B [1,3..35], NCNC-B/C/D [2..7], RELT-A/B [1,3..15]</p> <p>Field type <Eqpt::TributaryIndex> - tributary index - range: [1...3]</p>	

Table 5.16-2 "2xE1/DS1 Line Interface Unit SFP configuration Command" Command Parameters

Parameter	Type	Description
[no] distance	<p>Parameter type: <Eqpt::distance> Format: (shorthaul longhaul) Possible values: - shorthaul : distance shorthaul - longhaul : distance longhaul</p>	<p><i>optional parameter with default value: "shorthaul"</i> distance can be configured as shorthaul or longhaul</p>
[no] cable-impedance	<p>Parameter type: <Eqpt::CableImpedance> Format: (75ohms 120ohms) Possible values: - 75ohms : cable impedance 75 ohms - 120ohms : cable impedance 120 ohms</p>	<p><i>optional parameter with default value: "120ohms"</i> cable impedance can be configured 75ohms or 120ohms</p>

5.17 NE Configuration Command

Command Description

This command allows the operator to configure the NE. The operator can configure the following parameter:

- *description: text that describes the location of the ISAM.*

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

> configure equipment isam [no description | description <Description-127>]

Command Parameters

Table 5.17-2 "NE Configuration Command" Command Parameters

Parameter	Type	Description
[no] description	Parameter type: <Description-127> Format: - description to help the operator to identify the object - length: x<=127	<i>optional parameter with default value: ""</i> any description to be used by the operator

5.18 Environment Monitoring Configuration Command

Command Description

This command allows the operator to configure environment monitoring status to enable/disable the data relay from an external monitor box connected on the NTIO board of ISAM to the monitor server. The operator can configure the following parameters:

- *enable-supervise: enable relay of environment monitoring from an external monitor box.*

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

> configure equipment envbox [[no] enable-supervise]

Command Parameters

Table 5.18-2 "Environment Monitoring Configuration Command" Command Parameters

Parameter	Type	Description
[no] enable-supervise	Parameter type: boolean	<i>optional parameter</i> enable environment monitoring relay

5.19 Configure Fan Tray parameters

Command Description

This command allows the operator to configure the fan tray parameter fanmode.

The fanmode determines the applied speed of the fan trays.

On 7302 ISAM, 7330 ISAM FTTN and 7360 ISAM the fanmode is effective only if intelligent fan packs are installed. Traditional fan packs (A-fans) do not support speed change, the 'classic' mode applies.

On 7363 MX intelligent fan packs are by default present. The "classic mode" will change the fan speed, but based on ambient temperature only.

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment fan-tray [ fanmode <Eqpt::FanMode> ]
```

Command Parameters

Table 5.19-2 "Configure Fan Tray parameters" Command Parameters

Parameter	Type	Description
fanmode	Parameter type: <Eqpt::FanMode> Format: (auto eco protect classic) Possible values: - auto : runs in average mode; fan speeds determined by predefined thermal margins - eco : runs in 'green' mode; minimal thermal margins - protect : runs in protected mode; wider thermal settings wrt auto - classic : fixed fan speed; no SW control	<i>optional parameter</i> Fan Tray mode

5.20 Configure Board Auto Replan feature

Command Description

Parameter indicates whether the system is configured to allow an LT slot to be automatically re-planned into a new slot value upon LT hardware migration. Enabling this feature makes sure that a new compatible LT inserted into an already configured slot becomes operational automatically, without loss of the original configuration database and without requiring any (re-)configuration action. This only applies to certain board replacement scenarios and for a subset of (from/to) LT types.

By default, the field is set to false (value 2) i.e. the slot will not be automatically re-planned when the new LT is inserted. When the feature is enabled by the operator, the value is set to True (value 1).

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

```
> configure equipment replan [ boardautoreplan <Eqpt::BoardAutoReplan> ]
```

Command Parameters

Table 5.20-2 "Configure Board Auto Replan feature" Command Parameters

Parameter	Type	Description
boardautoreplan	Parameter type: <Eqpt::BoardAutoReplan> Format: (enable disable) Possible values: - enable : enable board auto replan functionality - disable : disable board auto replan functionality	<i>optional parameter</i> Set the Board Auto Replan feature