46- Efm Oam Configuration Commands

46.1 Efm Oam Configuration Command Tree

Description

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

Command Tree

```
----configure
    ----efm-oam
        ----interface
            - (interface)
            - [no] admin-up
            - [no] passive-mode
            - [no] keep-alive-intvl
            - [no] response-intvl
            X data-length
            X bitrate
            X smac
            X dmac
```

46.2 Efm Oam Interface ConfigurationCommand

Command Description

This command will allow the operator to enable/disable EFM OAM on the specified Ethernet-like interface and configure the mode, alive timer and response timer intervals. In addition also the internal traffic generator data applicable to this interface can be configured.

User Level

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

Command Syntax

The command has the following syntax:

> configure efm-oam interface (interface) [[no] admin-up] [[no] passive-mode] [no keep-alive-intvl | keep-alive-intvl <Ether::KeepAliveTimeTicks>] [no response-intvl | response-intvl <Ether::ResponseTimeTicks>] [data-length <Ether::TraffGenDataLengthType>] [bitrate <Ether::TraffGenBitRateType>] [smac <Ether::MacAddr>] [dmac <Ether::MacAddr>]

Command Parameters

Table 46.2-1 "Efm Oam Interface ConfigurationCommand" Resource Parameters

Resource Identifier	Type	Description
(interface)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> 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::PortId> - the port number	identification of EFM port / Ethernet port

Table 46.2-2 "Efm Oam Interface ConfigurationCommand" Command Parameters

Parameter	Type	Description
[no] admin-up	Parameter type: boolean	*optional parameter* enable efm oam
[no] passive-mode	Parameter type: boolean	*optional parameter* oam mode is passive
[no] keep-alive-intvl	Parameter type: <Ether::KeepAliveTimeTicks> Format: - a timeout value expressed in seconds - unit: seconds - range: [1...300]	*optional parameter with default value: 300* keep alive time interval

Parameter	Type	Description
[no] response-intvl	Parameter type: <Ether::ResponseTimeTicks> Format: - a timeout value expressed in seconds - unit: seconds - range: [2...10]	*optional parameter with default value: 5* variable response interval
data-length	Parameter type: <Ether::TraffGenDataLengthType> Format: - A value of 1 up to 1500. Indicates length in bytes. - unit: byte - range: [1...1500]	*obsolete parameter that will be ignored* Internal traffic generator data: Length of datafield, in bytes, of the to be generated test traffic. Must be a value from 1 up to 1500.
bitrate	Parameter type: <Ether::TraffGenBitRateType> Format: (100k | 1m | 10m | 100m | 1g) Possible values: - 100k : bitrate = 100K bit/sec - 1m : bitrate = 1M bit/sec - 10m : bitrate = 10M bit/sec - 100m : bitrate = 100M bit/sec - 1g : bitrate = 1G bit/sec	*obsolete parameter that will be ignored* Internal traffic generator data: Bitrate of the to be generated test traffic.
smac	Parameter type: <Ether::MacAddr> Format: - mac address (aa:bb:cc:a1:02:03) - length: 6	*obsolete parameter that will be ignored* Internal traffic generator data: source MAC address.
dmac	Parameter type: <Ether::MacAddr> Format: - mac address (aa:bb:cc:a1:02:03) - length: 6	*obsolete parameter that will be ignored* Internal traffic generator data: destination MAC address.