

82- E1 Configuration Commands

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82.1 E1 Configuration Command Tree

Description

This chapter gives an overview of nodes that are handled by "E1 Configuration Commands".

Command Tree

```
----configure
  ----e1
    ----line
      - (if-index)
      - [no] active
      - [no] line-coding
      - [no] framing-mode
      - [no] crc
      - [no] multi-framing
      - [no] transmit-clk-src
      - [no] line-impedance
      - [no] admin-up
```

82.2 E1 Configuration Command

Command Description

This command allows the operator to configure the E1 line.

User Level

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

Command Syntax

The command has the following syntax:

```
> configure e1 line (if-index) [ [ no ] active ] [ no line-coding | line-coding <E1::LineCoding> ] [ no framing-mode | framing-mode <E1::FramingMode> ] [ no crc | crc <E1::Crc> ] [ no multi-framing | multi-framing <E1::MultiFraming> ] [ no transmit-clk-src | transmit-clk-src <E1::TransmitClkSrc> ] [ no line-impedance | line-impedance <E1::LineImpedance> ] [ [ no ] admin-up ]
```

Command Parameters

Table 82.2-1 "E1 Configuration Command" Resource Parameters

| Resource Identifier | Type | Description |
|---------------------|--|-----------------------------|
| (if-index) | 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 | interface index of the port |

Table 82.2-2 "E1 Configuration Command" Command Parameters

| Parameter | Type | Description |
|-------------------|--|---|
| [no] active | Parameter type: boolean | <i>optional parameter</i> set the span-profile active |
| [no] line-coding | Parameter type: <E1::LineCoding> Format: (ami hdb3) Possible values: - ami : Specifies Alternate Mark Inversion (AMI) as the linecode type - hdb3 : Specifies High-Density Bipolar 3 (HDB3) as the linecode type | <i>optional parameter with default value: "hdb3"</i> encoding type of the E1 interface |
| [no] framing-mode | Parameter type: <E1::FramingMode> | <i>optional parameter with default</i> |

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| Parameter | Type | Description |
|-----------------------|--|--|
| | Format: (unframed framed) Possible values: - unframed : Unframed E1 type - framed : Framed E1 type | <i>value: "unframed"</i> specifies framing of E1 interface |
| [no] crc | Parameter type: <E1::Crc> Format: (disable enable) Possible values: - disable : no CRC4 - enable : Enable CRC4 | <i>optional parameter with default value: "disable"</i> enable or disable CRC4 for this e1 interface |
| [no] multi-framing | Parameter type: <E1::MultiFraming> Format: (disable enable) Possible values: - disable : No multi framing - enable : Enable multi framing | <i>optional parameter with default value: "disable"</i> Specifies if multi framing to be used |
| [no] transmit-clk-src | Parameter type: <E1::TransmitClkSrc> Format: (external internal) Possible values: - external : Specifies that the network clock source is used - internal : Specifies that the internal clock source is used | <i>optional parameter with default value: "external"</i> Specifies clock source to be used for the e1 interface |
| [no] line-impedance | Parameter type: <E1::LineImpedance> Format: (75ohms 120ohms) Possible values: - 75ohms : indicates the line impedance value unbalanced 75ohms - 120ohms : indicates the line impedance value balanced 120 ohms | <i>optional parameter with default value: "120ohms"</i> Nominal line impedance |
| [no] admin-up | Parameter type: boolean | <i>optional parameter</i> admin status is up |