211- BER LineTest Configuration Commands

211.1 BER LineTest Configuration Command Tree

Description

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

Command Tree

----admin
    ----e1
        ----diagnos-test
            - **(if-index)**
            - [no] ber-test
            - [no] ber-testpattern
            - [no] ber-interval
            - [no] loop-back

211.2 E1 BER test command

Command Description

This command is to trigger the BER test on e1 interface.

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:

> admin e1 diagnos-test (if-index) [no ber-test | ber-test <E1::BERTest>] [no ber-testpattern | ber-testpattern <E1::BERTestPattern>] [no ber-interval | ber-interval <E1::BERInterval>] [no loop-back | loop-back <E1::LoopBackType>]

Command Parameters

Table 211.2-1 "E1 BER test 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 211.2-2 "E1 BER test command" Command Parameters

Parameter	Type	Description
[no] ber-test	Parameter type: <E1::BERTest> Format: (disable | enable | abort) Possible values: - disable : Disable BER test - enable : Enable BER test - abort : Abort BER test	*optional parameter with default value: "disable"* Trigger the BER test on e1 interface
[no] ber-testpattern	Parameter type: <E1::BERTestPattern> Format: (framed-twopow11 | framed-twopow15	*optional parameter with default value: "none"* BER testpattern to be used for performing BER test

Parameter	Type	Description
	| unframed-twopow11 | unframed-twopow15 | none) Possible values: - framed-twopow11 : Framed Pseudo-random repeating test pattern with 2^11 bits - framed-twopow15 : Framed Pseudo-random repeating test pattern with 2^15 bits - unframed-twopow11 : Unframed Pseudo-random repeating test pattern with 2^11 bits - unframed-twopow15 : Unframed Pseudo-random repeating test pattern with 2^15 bits - none : No-Pattern	
[no] ber-interval	Parameter type: <E1::BERInterval> Format: - Maximum time allowed to perform BER test - range: [0...4095]	*optional parameter with default value: 0* Maximum time allowed for BER test
[no] loop-back	Parameter type: <E1::LoopBackType> Format: (no-loop | local-payload | remote-payload | remote-line | local-line) Possible values: - no-loop : no loopback - local-payload : LOCAL-Payload - remote-payload : Remote-payload - remote-line : Remote-line - local-line : Local-Line	*optional parameter with default value: "no-loop"* Trigger the LoopBack test on e1 interface