



CHAPTER 25

TST Commands

This chapter provides test (TST) commands for the Cisco ONS 15454 and ONS 15310 MA.

25.1 TST-INSERRBITS-<MOD2>

(CISCO ONS 15454 and ONS 15310 MA) The test inserted error bits for DS1, T1, or T3 (TST-INSERRBITS-<MOD2>) command tests the connectivity and error count on the traffic line, running on the DS1, T1, and T3 ports of the electrical card.

Usage Guidelines

Before issuing this command, bit error rate testing (BERT) must be enabled on the port and the SYNC STATUS of BERT on the port must be UP.

**Note**

This command is limited to DS1/E1-56 and DS3XM-12 electrical cards. It is also applicable to DS1-28-DS3-EC1-3 and DS1-84-DS3-EC1-3 cards on 15310 MA.

**Note**

Only T1 and T3 modes are applicable on 15310 MA.

Category

Ports

Security

Provisioning

Input Format

TST-INSERRBITS-<MOD2>:[<TID>]:<AID>:<CTAG>::BITERRS=<BITERRS>;

Input Example

TST-INSERRBITS-DS1::FAC-2-1:CTAG:::BITERRS=SINGLE;

Input Parameters

<AID>	Access identifier from the “26.17 FACILITY” section on page 26-40.
<BITERRS>	Specifies the error rate to be injected for BERT. The parameter type is BITERR.
• STOP	Stops inserting bit errors.
• SINGLE	Inserts single bit errors.
• 1E-3	Inserts bit errors at the 1E-3 rate.
• 1E-4	Inserts bit errors at the 1E-4 rate.
• 1E-5	Inserts bit errors at the 1E-5 rate.
• 1E-6	Inserts bit errors at the 1E-6 rate.