

## Yang Pre/Post Conditions: t600-1.1

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## **fujitsu-entity-maintenance**

### **Loopback**

#### **Activating**

Command: set, loopback, enabled

#### **Common Preconditions**

- The facility must be in Maintenance State (Admin State=Testing)
- Facility must not already have a loopback (of any type) active
- Facility must not have a test signal active (testsignal=enable)
- Facility must not be provisioned with DIRN=UNIRX or UNITX (when supported)

#### **Common Post Conditions**

- Standing Condition (e.g. facilityLoopbackActive, terminalLoopbackActive) will be raised.
- For TYPE=TERM, the transmit laser will be shut down. 'show' of facility attribute ACTLASER will return the value SHUTDOWN).
- For TYPE=FAC or FAC2, a maintenance signal appropriate for the port type will be sent.

#### **Deactivating**

Command: set, loopback, disabled

#### **Common Preconditions**

- The facility must have an active loopback

#### **Common Post Conditions**

- Standing Condition (e.g. facilityLoopbackActive, terminalLoopbackActive) will be cleared

### **TestSignal**

#### **Activating**

Command: set, testsignal

#### **Common Preconditions**

- Facility must not already have a loopback (of any type) active
- The facility must be in Maintenance State (Admin State=Testing)
- Facility must not have a test signal active

- If entity is not capable to operate TSTSIG with specified parameters, operation should be denied.

### **Common Post Conditions**

- Test Signal is connected to the specified Facility and in the specified direction
- Test Signal Error Monitoring is activated for opposite direction
- A Standing Condition (e.g. facilityTestsignalActive, terminalTestsignalActive) will be raised.
- For bi-directional facilities, the traffic in the opposite direction of generated test signal is replaced with a maintenance or alarm indication signal (beyond the test signal detection point).
- Montypes associated with test-signal (e.g. BITERR, SYNCSEC, BITERRT, SYNCSECT) will be included in the response only when the testsignal is active.

### **Deactivating**

Command: set, testsignal

### **Common Preconditions**

- The facility must have an active test signal

### **Common Post Conditions**

- Standing Condition (e.g. facilityTestsignalActive, terminalTestsignalActive) will be cleared