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Loop AM3440 T1 Loopbacks October, 2011

The Loop AM3440 supports remote loopback commands. The following illustrates how to set up the T1 ports to allow the local and remote loopback commands to function.

The screen below is the Port Menu Screen. The "S" command is used to access the screen to configure the T1 port. The "L" command is used to access the Port Loopback Setup screen.

```
Tera Term - COM1 VT
File Edit Setup Control Window Help
SLOT 1 Quad-T1 PORT 2          === Port Menu ===          11:48:26 10/05/2011
Version      : SW V3.03.02 04/14/2011

[DISPLAY]
1 -> Unit 1-Hour Perf. Report
2 -> Unit 24-Hour Perf. Report
A -> Unit Line Availability
C -> Unit Configuration
I -> Unit Status
H -> Unit Alarm History
Q -> Unit Alarm Queue
U -> Customer Information Display

[LOG]
U -> Choose Other Slot
P -> Choose E1/T1 Port
F -> Log Off [SETUP],[MISC] Menu
O -> Log On  [SETUP],[MISC] Menu
E -> Return to Controller Main Menu

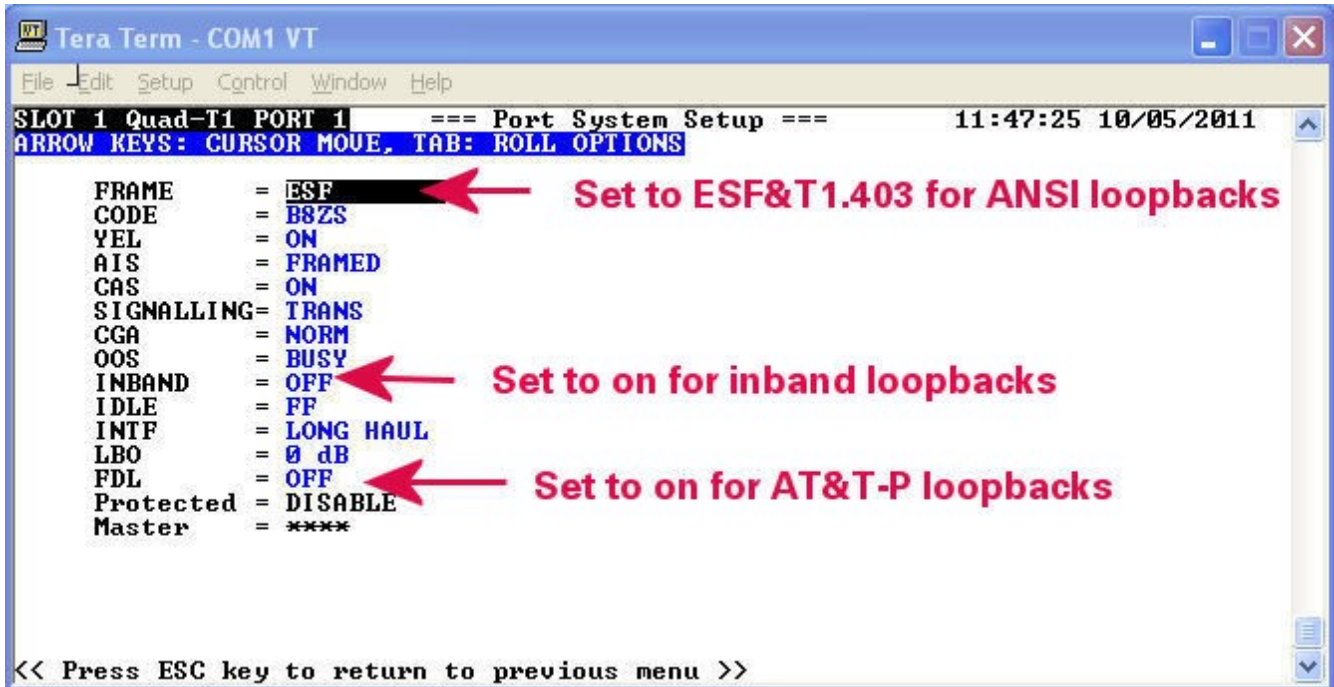
[SETUP]
L -> Unit Loopback Setup
S -> Unit System Setup
K -> Unit Clear Performance Data
M -> Unit Alarm Setup
X -> Unit Clear Alarm Queue & History
D -> Unit Upgrade Firmware
I -> Customer Information Setup

[MISC]
Y -> Unit Load Default Config
Z -> Unit Reset

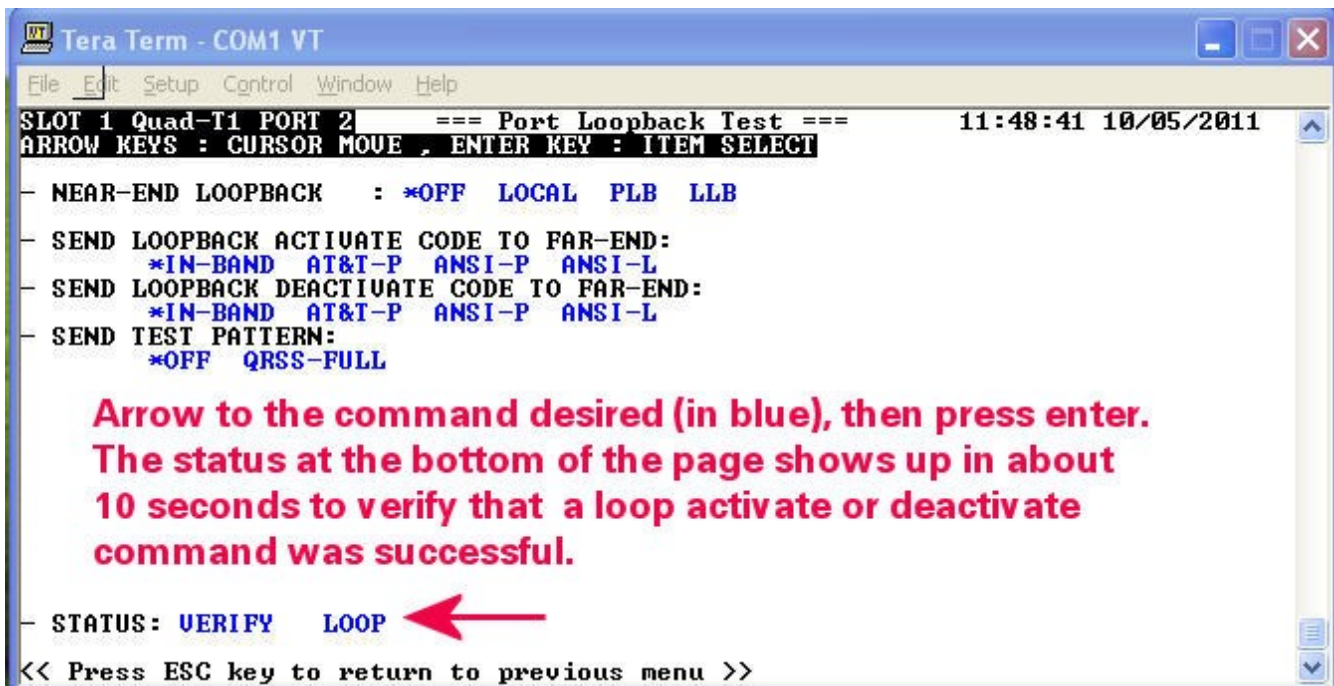
>>SPACE bar to refresh or enter a command ==>
```



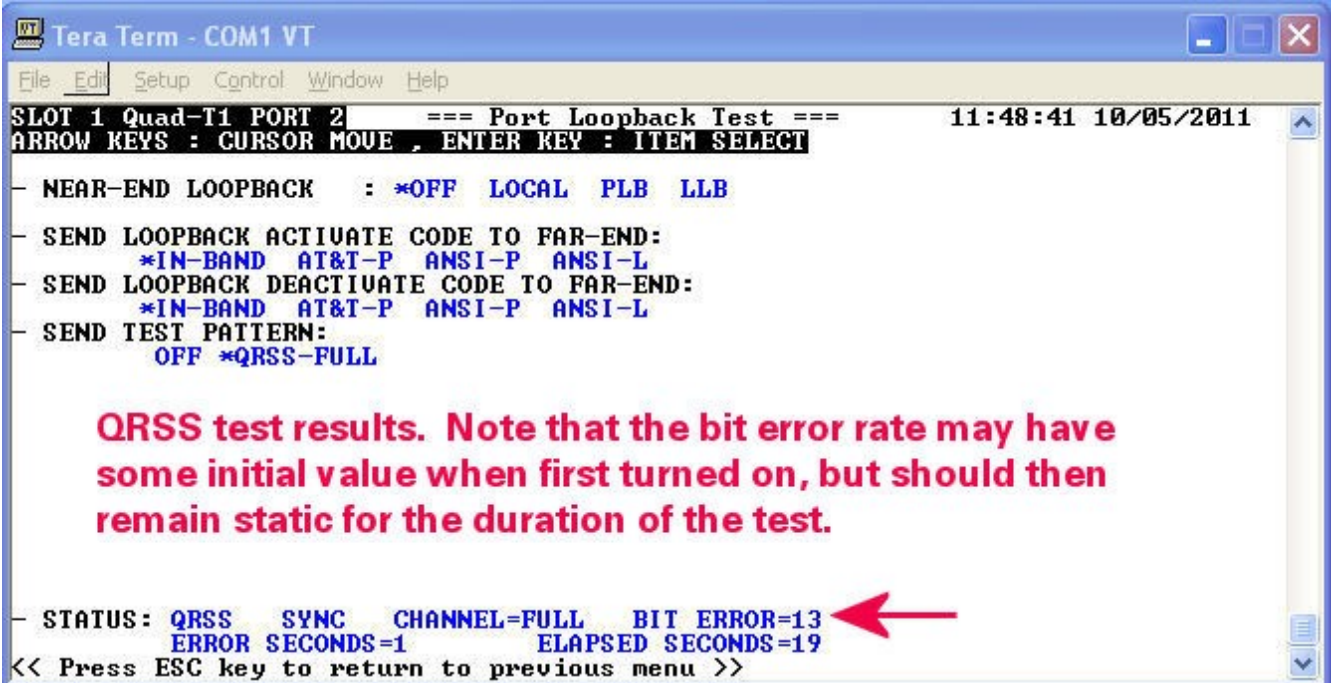
The T1 port must be configured correctly for remote loopback commands to function. The following screen shows the commands that will affect the ability to command remote loopbacks.



The following screen shows how to move around the screen and activate and deactivate loopbacks. The bottom of the screen shows if a command was successful or not.



The T1 Port Loopback Test screen shows QRSS test results. When first turned on, the QRSS test may show a few bit errors. It is a 20 bit shift pattern that repeats every 1,048,575 bits.



The screenshot shows a terminal window titled "Tera Term - COM1 VT". The window contains the following text:

```
SLOT 1 Quad-T1 PORT 2      === Port Loopback Test ===      11:48:41 10/05/2011
ARROW KEYS : CURSOR MOUE , ENTER KEY : ITEM SELECT

- NEAR-END LOOPBACK      : *OFF LOCAL PLB LLB
- SEND LOOPBACK ACTIVATE CODE TO FAR-END:
  *IN-BAND AT&T-P ANSI-P ANSI-L
- SEND LOOPBACK DEACTIVATE CODE TO FAR-END:
  *IN-BAND AT&T-P ANSI-P ANSI-L
- SEND TEST PATTERN:
  OFF *QRSS-FULL

QRSS test results. Note that the bit error rate may have
some initial value when first turned on, but should then
remain static for the duration of the test.

- STATUS: QRSS SYNC CHANNEL=FULL BIT ERROR=13 ←
          ERROR SECONDS=1          ELAPSED SECONDS=19
<< Press ESC key to return to previous menu >>
```

A red arrow points to the "BIT ERROR=13" value in the status line.