

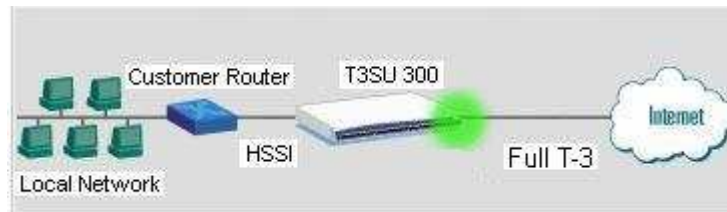


## TECHNICAL SUPPORT NOTE

### T3SU 300 Full T-3 for Internet Access

#### Introduction

This Common Application Guide details how to setup a T3SU 300 for full T-3 Internet Access to an ISP.



#### T3SU 300 Configuration

The following instructions detail how the T3SU 300 needs to be configured for full T-3 access to an Internet Service Provider (ISP):

1- From the main menu go to **Configuration > DS-3 Network >** and set the following:

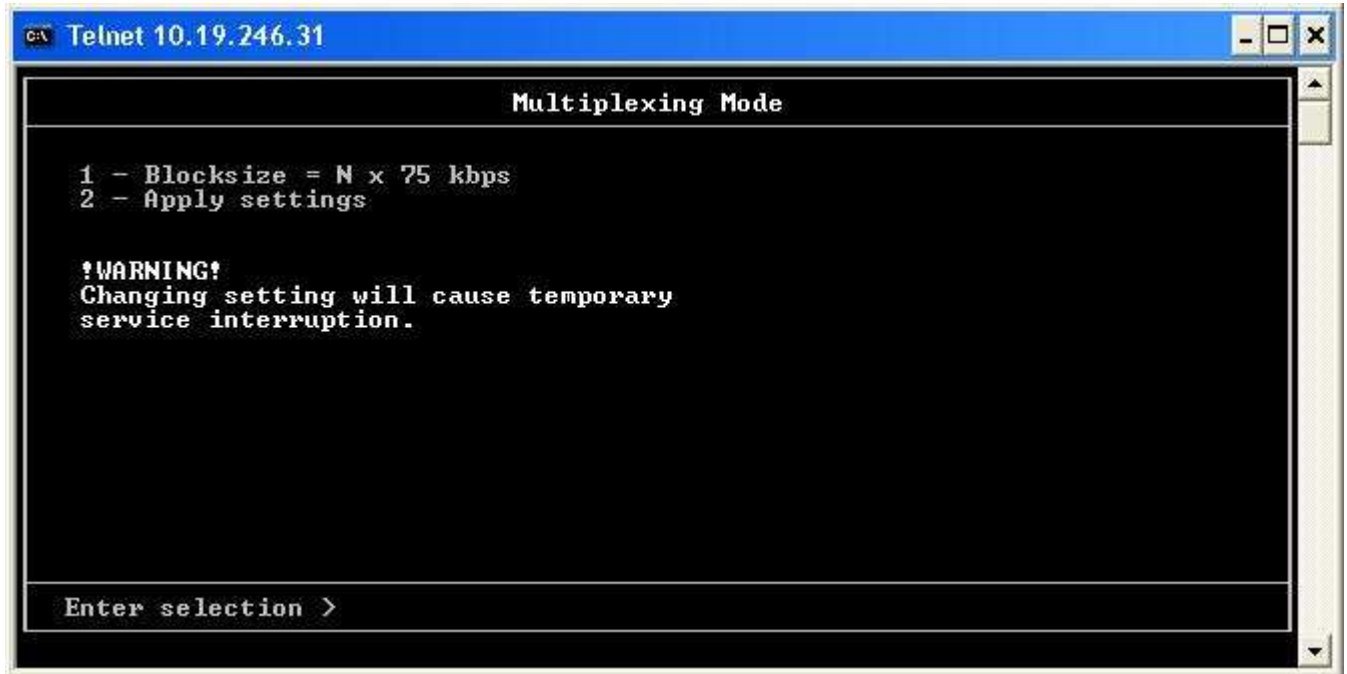
```

c:\ Telnet 10.19.246.31
                                     DS3 Network Configuration
1 - DS3 framing = C-Bit parity
2 - Line length = Short (0 - 225 ft.)
3 - DS3 timing = Loop
4 - DS3 scrambler = Disabled
5 - Multiplexing Mode
6 - Data Link = Disabled
7 - Remote auto-configuration = Disabled
8 - IDLE alarm suppression = Disabled
9 - XCU Threshold = Disabled
Enter selection >

```

The **DS3 framing** can be either C-Bit parity or M13 and needs to match how your T-3 provider has provisioned the circuit. The **Line length** can be short or long and needs to be set according to how many feet of coax is between the T3SU 300 and the provider's T-3 handoff equipment.

2 - Next go to option 5 to set the **Multiplexing Mode**. If the block size is currently set to "N x 3.158 Mbps" choose option 1 and then select 1 in order to change it to "N x 75 kbps". After you see the block size change to "N x 75 kbps" you must choose option 2 (**Apply settings**).



```
C:\ Telnet 10.19.246.31

Multiplexing Mode

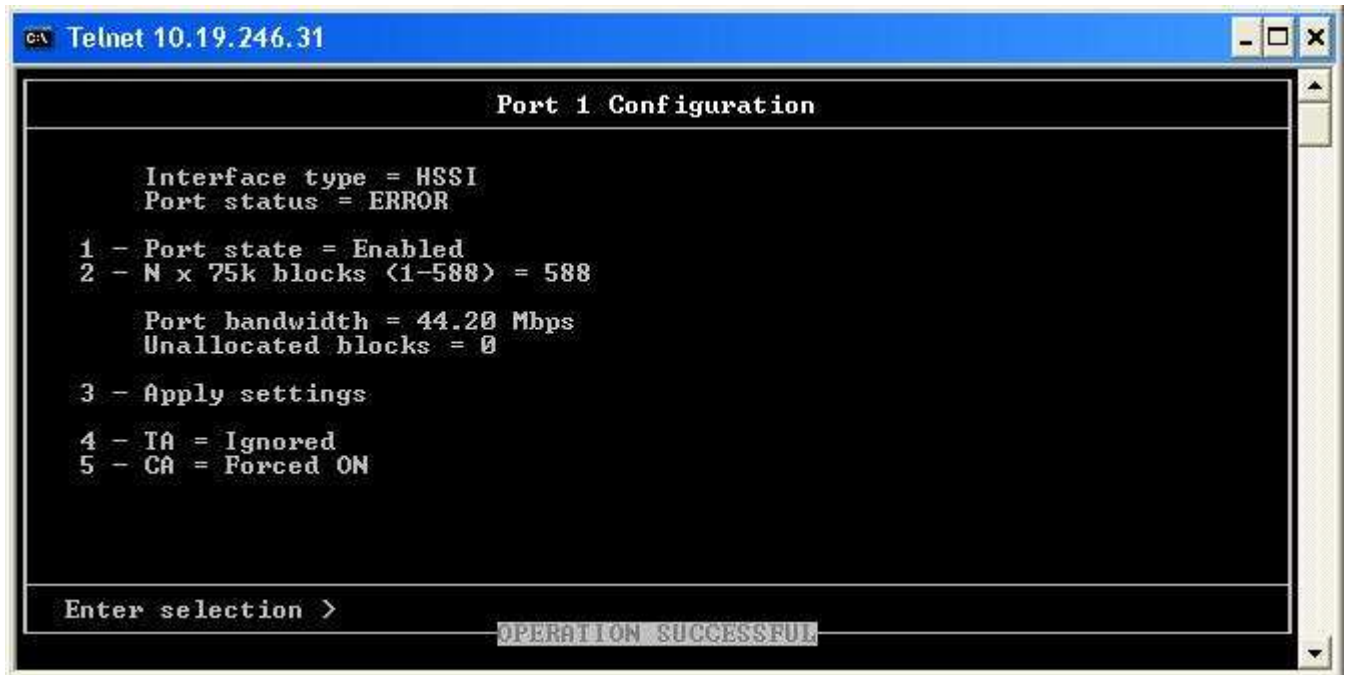
1 - Blocksize = N x 75 kbps
2 - Apply settings

!WARNING!
Changing setting will cause temporary
service interruption.

Enter selection >
```

NOTE: You will lose access to the T3SU 300 when changing the **Blocksize** if you are using telnet. When you lose your connection, simply telnet back in.

3 - Navigate back to the main configuration screen and go to **DTE Ports > DTE Port 1 >** and set up the HSSI port. You will need to assign all available blocks to the port:



```
Telnet 10.19.246.31

Port 1 Configuration

Interface type = HSSI
Port status = ERROR

1 - Port state = Enabled
2 - N x 75k blocks <1-588> = 588

Port bandwidth = 44.20 Mbps
Unallocated blocks = 0

3 - Apply settings

4 - TA = Ignored
5 - CA = Forced ON

Enter selection >
OPERATION SUCCESSFUL
```

You must enable the port and apply the settings for the configuration to take effect. You should see the "OPERATION SUCCESSFUL" message at the bottom of the screen when applying the new settings. If you have problems with HSSI port settings not saving, make sure that the **Remote auto-configuration** is disabled under the DS3 Network Configuration menu. By default this is set to "Slave" and will prevent DTE ports from being configured.

NOTE: If **TA** is set to "Ignored" you will see a **Port Status** of "ERROR" when the HSSI cable is not plugged in or the router HSSI interface is not active.

4 - Escape out to the main configuration menu and select **Save Configuration**. You should see the "OPERATION SUCCESSFUL" message at the bottom of the screen when the configuration is saved.

This concludes the provisioning on the T3SU 300.

If you experience any problems using your ADTRAN product, please contact [ADTRAN Technical Support](#).

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