



## Adtran TA5000 DS3 Test Board TB-T5K-DS3 Practice

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### 1 GENERAL

This practice describes TAG's Adtran TA5000 DS3 Test Board (PN # TB-T5K-DS3). The TB-T5K-DS3 is used when installing the Adtran TA5000 DS3 system.

The TB-T5K-DS3 is a temporary test card that plugs into the TA5000 shelf. The Test Board is used to verify wiring and perform DS3 signal acceptance to the DSX-3/4. Acceptance testing determines whether or not the card slots are properly connected through the interconnect wiring and able to Transmit and Receive a good DS3 signal.

### 2 APPLICATION

The TA5000 DS3 Test Board (TB-T5K-DS3) is utilized by installers and audit (acceptance) personnel. The Test Board has 440A jack access allowing metallic wiring verification and DS3 signal acceptance to the DSX-3/4 using 2 standard DS3 test sets (not included). The "acceptance" test determines whether or not the card slots are properly connected through the interconnect wiring and able to Transmit and Receive a good DS3 signal.

Note: The TB-T5K-DS3 is a temporary test board. Do not leave Test Board unattended while plugged into a Card Slot.

### 3 PROCEDURE

Acceptance Testing requires two (2) people, and 2 DS3 test sets. Tester 1 will be located at the TA5000 DS3 with the TB-T5K-DS3, and Tester 2 will be at the DSX-3.

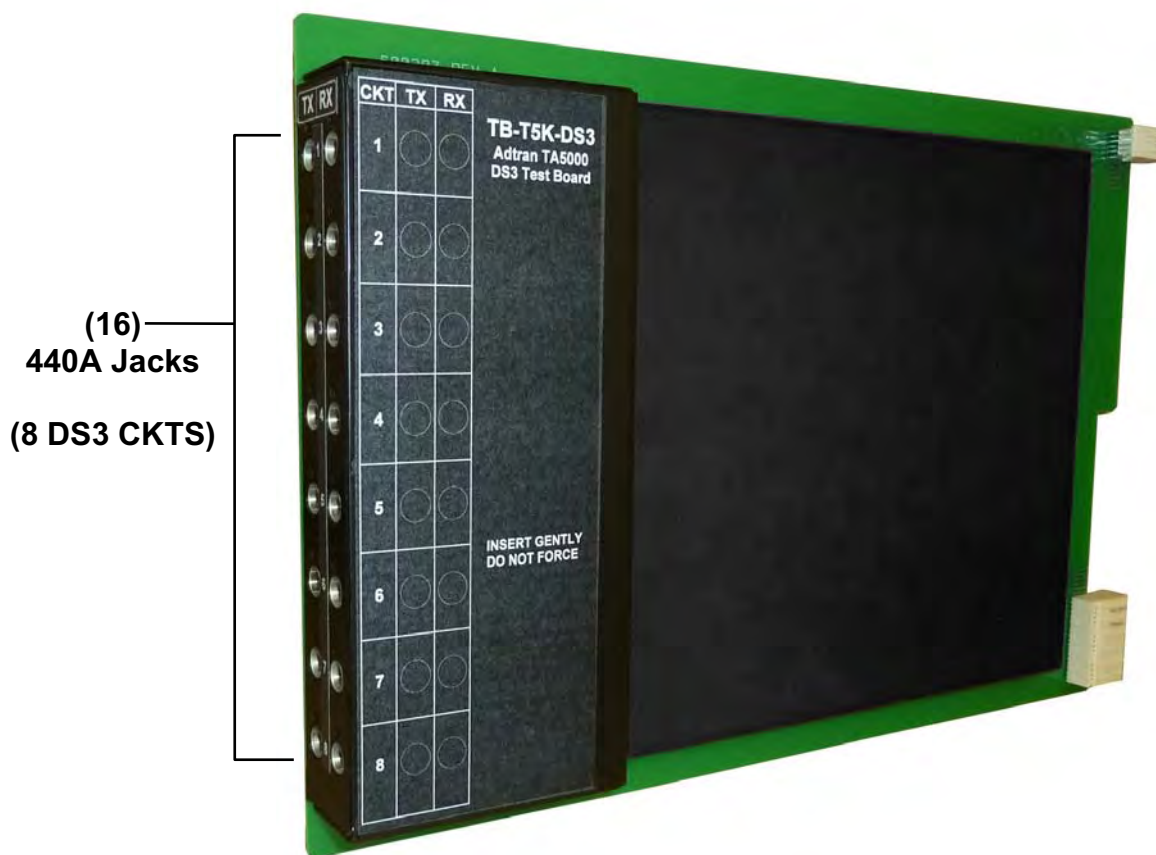
Tester 1 and Tester 2 will alternate between transmitting and receiving DS3 signals to perform acceptance testing.

See Pages 3 & 4 for Step-by-Step Test Procedures.



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### 4 Physical Description / Wiring

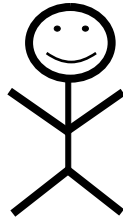


The TB-T5K-DS3 has 440A jack access allowing metallic wiring verification and DS3 signal acceptance testing to the DSX-3/4. Tester 1 will transmit a DS3 test signal to the DSX-3/4. At the DSX-3/4, Tester 2 will verify "good" DS3 signal being received on DSX-3/4 - CKT 1 OUT jack. Tester 2 will then transmit from DSX-3/4 CKT 1 IN jack to Tester 1 at TA5000 Slot 1 - RX1. Tester 1 will record that a "Good" DS3 signal has been transmitted and received. The wiring label on TB-T5K-DS3 indicates 440A Jacks for access to the 8 DS3 circuits.

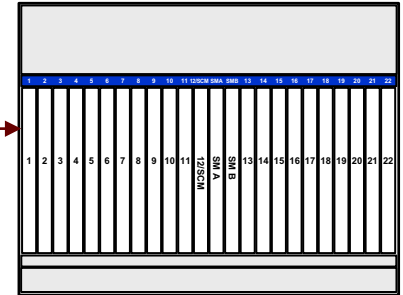
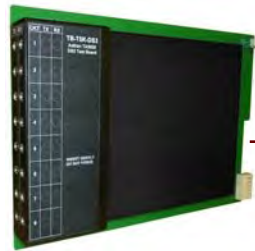
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### 5 Step by Step Test Procedure

**When plugging the Test Board into the TA5000 DS3 shelf use normal static procedures.**



**TESTER 1**



Step	Procedure
1.	Visually check connector on Test Board and backplane of TA5000 DS3 card slot for connector wear or pin obstruction.
2.	Verify proper alignment and insert TB-T5K-DS3 into card slot .
3.	Establish communication with Tester 2 at the DSX-3/4.
4a.	Tester 1 connects a DS3 test set to circuit 1 on the TB-T5K-DS3. (see page 4)
4b.	Tester 2 connects a DS3 test set to the circuit transmitting points on a DSX-3/4 panel. (see page 4)
5.	Tester 1 will transmit a DS3 test signal from TA5000 Slot 1 TX1.
6.	Tester 2 will record that a "Good" DS3 signal has been received at DSX-3/4 CKT 1 OUT.
7.	Tester 2 will transmit a DS3 test signal from DSX-3/4 IN.
8.	Tester 1 will record that a "Good" DS3 signal has been received at TA5000 Slot 1 RX1.
9.	The Testers will move to the next circuit and perform the same test until all the circuits have been tested and approved.
10.	Record data in Test Acceptance Data Sheet. (see page 5)



**TESTER 2**



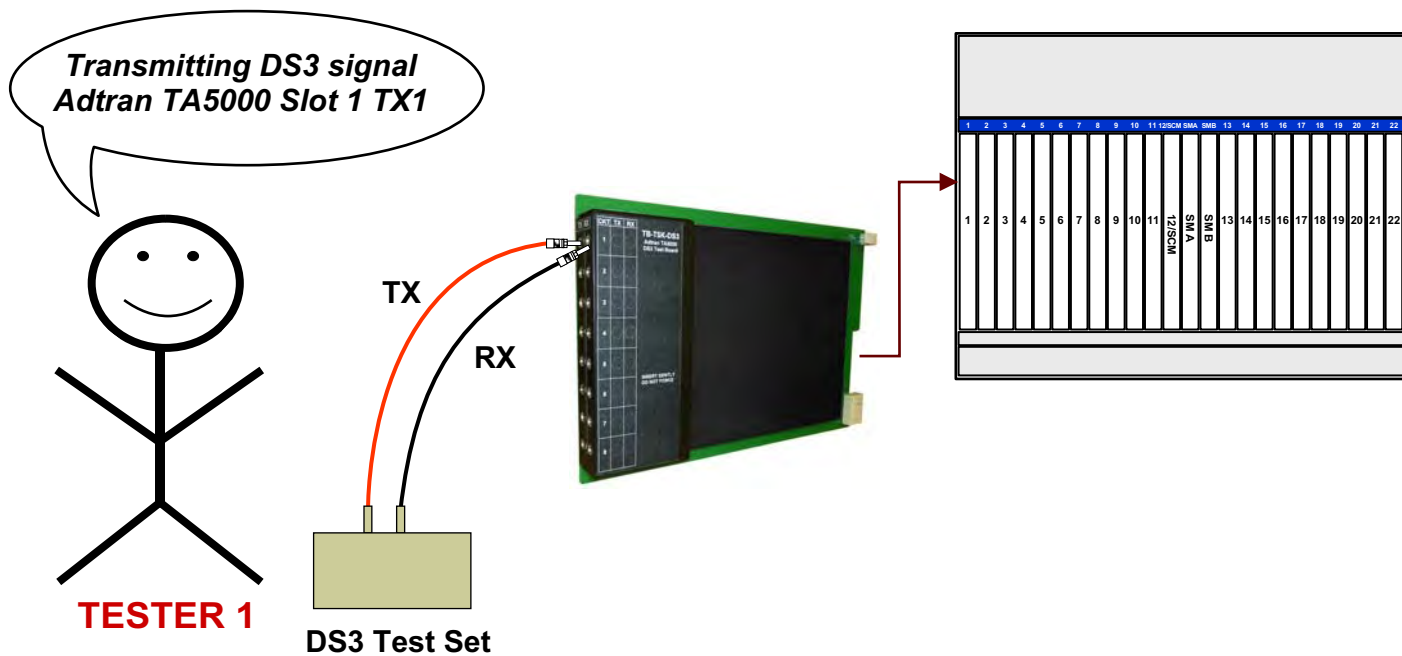
**DSX-3/4**



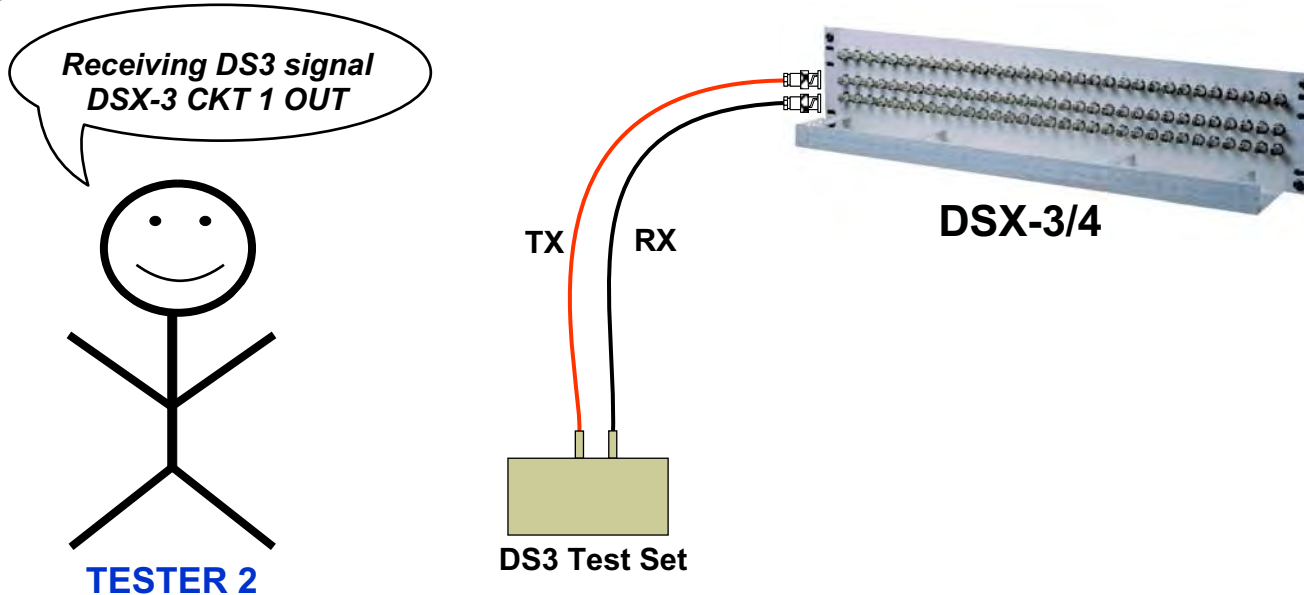
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### 5 Step by Step Procedure - Continued

4a.



4b.





## Adtran TA5000 DS3 Test Board TB-T5K-DS3 Practice

Tested by : \_\_\_\_\_ Shelf # : \_\_\_\_\_  
 Rack # : \_\_\_\_\_

### 6 Test Acceptance Data Sheet

(P) Pass (F) Fail

Adtran TA5000 DS3			
Slot __ - TA5000	Adtran TA5000	DSX-3/4	DS3 Test Result
<b>Circuit 1</b>	TX 1	OUT	
	RX 1	IN	
<b>Circuit 2</b>	TX 2	OUT	
	RX 2	IN	
<b>Circuit 3</b>	TX 3	OUT	
	RX 3	IN	
<b>Circuit 4</b>	TX 4	OUT	
	RX 4	IN	
<b>Circuit 5</b>	TX 5	OUT	
	RX 5	IN	
<b>Circuit 6</b>	TX 6	OUT	
	RX 6	IN	
<b>Circuit 7</b>	TX 7	OUT	
	RX 7	IN	
<b>Circuit 8</b>	TX 8	OUT	
	RX 8	IN	
			Pass (P) Fail (F)