



Cisco 15454 DS3 Test Board TB-C15454DS3 Practice

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2 APPLICATION

The Cisco 15454 Test Board (TB-C15454DS3) 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. 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-C15454DS3 Test Board is a temporary test board. Do not leave Test Board unattended while plugged into a Card Slot.

1 GENERAL

This practice describes Telecom Assistance Group's TB-C15454DS3 - Cisco 15454 DS3 Test Board. The TB-C15454DS3 is used when installing the Cisco 15454 system.

The TB-C15454DS3 is a temporary test card that plugs into the Cisco 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.

For complete information See Page 2 - Physical Description/Wiring.

3 PROCEDURE

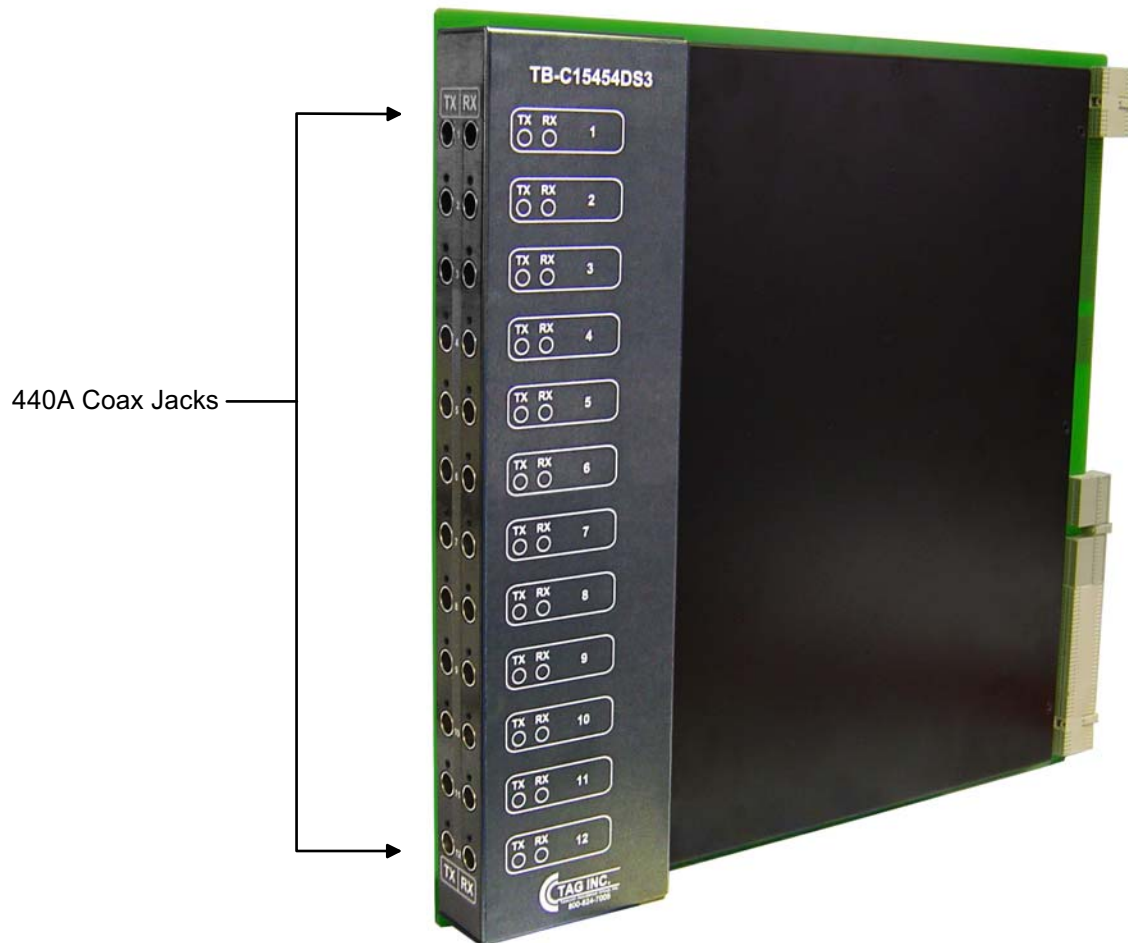
Acceptance Testing requires two (2) people, and 2 DS3 test sets. Tester 1 will be located at the Cisco 15454 with the TB-C15454DS3, and Tester 2 will be at the DSX-3.

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



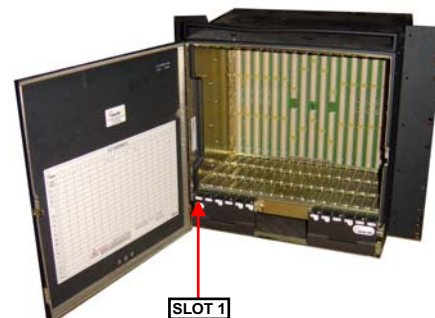
The TB-C15454DS3 plugs into the Cisco 15454 designated DS3 card slots and provides metallic access via 440A Coax Jacks to the 12 DS3 circuits.

Using TAG's T-Acceptor (T1/T3 Acceptance Test Set), a technician or installer can quickly perform Acceptance Testing. The test board can be used before turn-up to verify correct Transmit and Receive cabling and good T3 signals from the Cisco 15454 to the DSX-3/4.

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5 Step by Step Test Procedure

Tester 1
Located at Front
of Cisco 15454 DS3

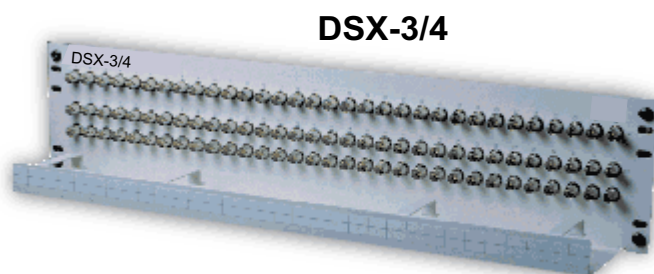
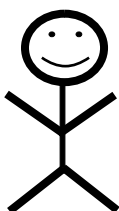


Step Procedure

When plugging the test board into the Cisco shelf use normal static procedures.

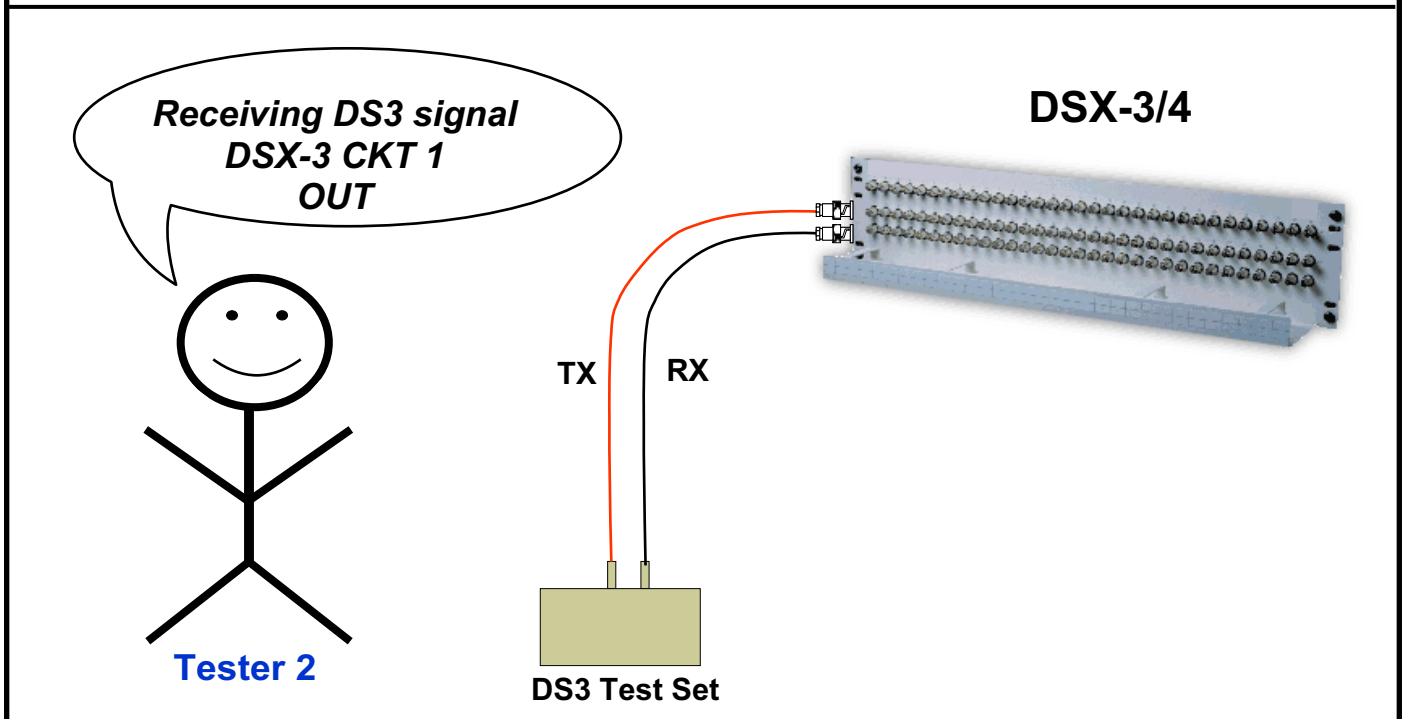
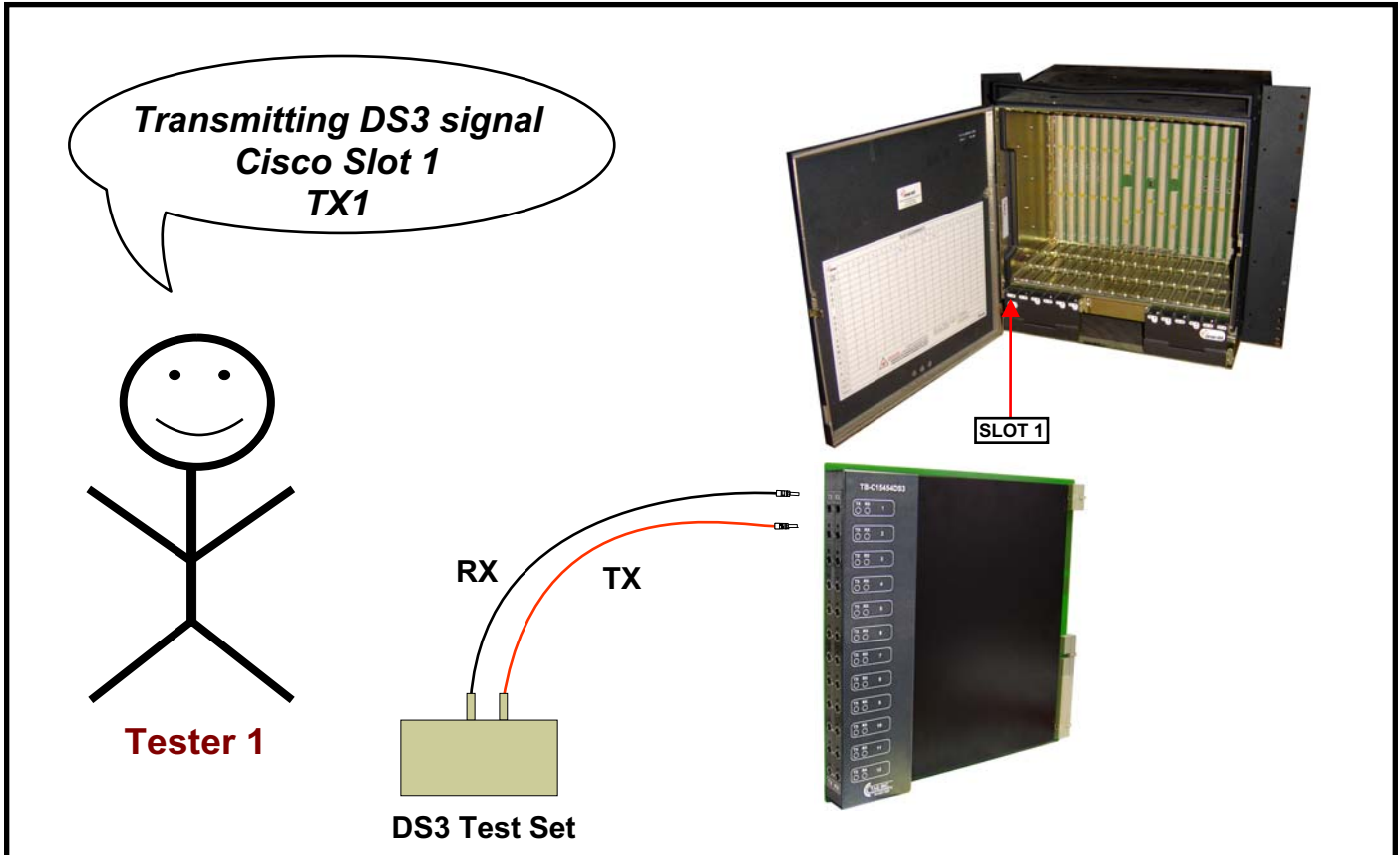
1. Visually check connector on Test Board and backplane of Cisco 15454 DS3 card slot for connector wear or pin obstruction.
2. Verify proper alignment and insert TB-C15454DS3 into card slot .
3. Establish communication with Tester 2 at the DSX-3/4.
4. Tester 1 will transmit a DS3 test signal from Cisco Slot 1 TX1.
5. Tester 2 will record that a "Good" DS3 signal has been received at DSX-3/4 CKT 1 OUT.
6. Tester 2 will transmit a DS3 test signal from DSX-3/4 IN.
7. Tester 1 will record that a "Good" DS3 signal has been received at Cisco Slot 1 RX1.
8. The Testers will move to the next circuit and perform the same test until all the circuits have been tested and approved.
9. Record data in Test Acceptance Data Sheet - See Page 5.

Tester 2
Located at DSX-3



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5 Step by Step Procedure





Cisco 15454 DS3 Test Board TB-C15454DS3 Practice

Tested by : _____ Shelf # : _____

Rack # : _____

6 Test Acceptance Data Sheet

(P) Pass (F) Fail

Cisco 15454 DS3			
Slot __ - 15454	Cisco 15454	DSX-3/4	DS3 Test Result
Circuit 1	TX 1	OUT	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
	RX 1	IN	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
Circuit 2	TX 2	OUT	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
	RX 2	IN	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
Circuit 3	TX 3	OUT	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
	RX 3	IN	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
Circuit 4	TX 4	OUT	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
	RX 4	IN	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
Circuit 5	TX 5	OUT	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
	RX 5	IN	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
Circuit 6	TX 6	OUT	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
	RX 6	IN	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
Circuit 7	TX 7	OUT	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
	RX 7	IN	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
Circuit 8	TX 8	OUT	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
	RX 8	IN	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
Circuit 9	TX 9	OUT	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
	RX 9	IN	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
Circuit 10	TX 10	OUT	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
	RX 10	IN	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
Circuit 11	TX 11	OUT	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
	RX 11	IN	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
Circuit 12	TX 12	OUT	<input type="checkbox"/> (P) <input type="checkbox"/> (F)
	RX 12	IN	<input type="checkbox"/> (P) <input type="checkbox"/> (F)

Pass (P) Fail (F)