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APPLICATION

The TAG 5500HDU DS3 Test Board (TB-5500HDUDS3) 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-5500HDUDS3 Test Board is a temporary test board. Do not leave Test Board unattended while plugged into a Card Slot.



GENERAL

This practice describes Telecom Assistance Group's TB-5500HDUDS3 - Tellabs 5500HDUDS3 Test Board. The TB-5500HDUDS3 is used when installing the Tellabs 5500HDUDS3 system.

The TB-5500HDUDS3 is a temporary test card that plugs into the 5500HDU 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.



PROCEDURE

Acceptance Testing requires two (2) people, and 2 DS3 test sets. Tester 1 will be located at the 5500HDU DS3 with the TB-5500HDUDS3, 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.



Physical Description/Wiring



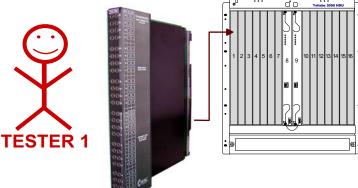
The TB-5500HDUDS3 has 440A jack access allowing metallic wiring verification and DS3 signal acceptance testing to the DSX-3/4. Tester 1 will transmit a DS3 test signal to the DSX-3/4. At the DSX-3/4, Tester 2 will verify "good" DS3 signal being received on DSX-3/4 - CKT 1 OUT jack. Tester 2 will then transmit from DSX-3/4 CKT 1 IN jack to Tester 1 at 5500HDU Slot 1 - RX1. Tester 1 will record that a "Good" DS3 signal has been transmitted and received. The wiring label on TB-5500HDUDS3 indicates the circuit designations for access to the 24 DS3 circuits.



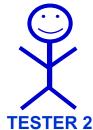
Step by Step Test Procedure

When plugging the test board into the 5500HDU DS3 shelf use normal static procedures.

Procedure Step



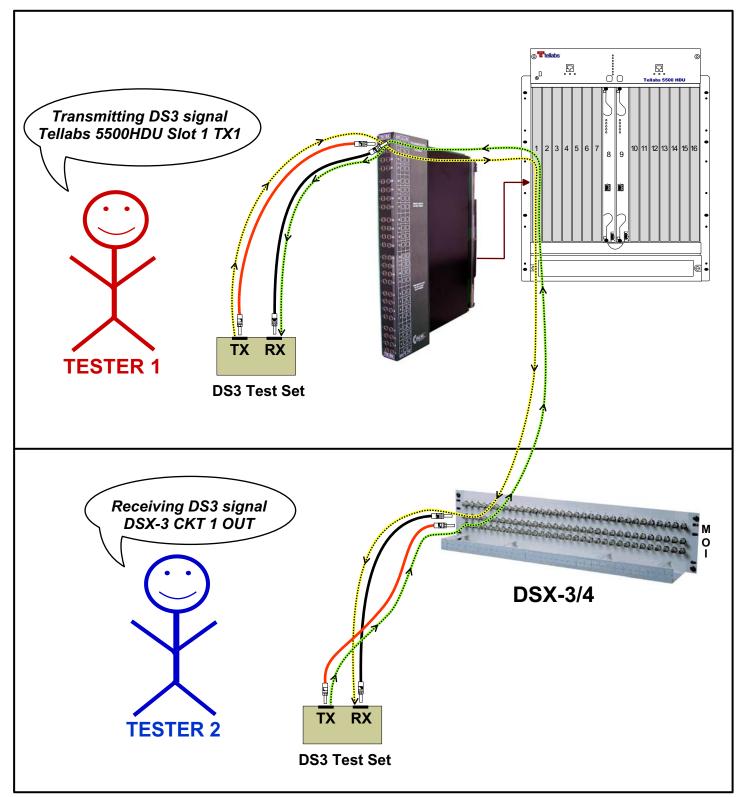
- 1. Visually check connector on Streaker Card and backplane of 5500 HDU card slot for connector wear or pin obstruction.
- 2. Verify proper alignment and insert TB-5500HDUDS3 into card slot.
- 3. Establish communication with Tester 2 at the DSX-3/4.
- 4. Tester 1 will transmit a DS3 test signal from 5500 HDU 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 5500 HDU 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.
- Record data in Test Acceptance Data Sheet See Pages 5-6.







Step by Step Procedure Continued





	Tested by:	Shelf # :	
	•	Rack # :	
Test Acceptance Data Sheet		(P) Pass	(F) Fail
=		(F) Pass	(F) Fall

Tellabs 5500HDU DS3				
Slot 5500HDU	Tellabs 5500HDU	DSX-3/4	DS3 Test Result	
Circuit 1	TX 1	OUT		
	RX 1	IN		
Circuit 2	TX 2	OUT		
Circuit 2	RX 2	IN		
Circuit 3	TX 3	OUT		
Circuit 3	RX 3	IN		
Circuit 4	TX 4	OUT		
Circuit 4	RX 4	IN		
Circuit 5	TX 5	OUT		
	RX 5	IN		
Circuit 6	TX 6	OUT		
	RX 6	IN		
0: " =	TX 7	OUT		
Circuit 7	RX 7	IN		
	TX 8	OUT		
Circuit 8	RX 8	IN		
Circuit 9	TX 9	OUT		
	RX 9	IN		
Cincuit 40	TX 10	OUT		
Circuit 10	RX 10	IN		
Circuit 11	TX 11	OUT		
Circuit 11	RX 11	IN		
Circuit 12	TX 12	OUT		
Circuit 12	RX 12	IN		

Pass (P) Fail (F)



	Tested by :	Shelf # :	
		Rack # :	
Test Acceptance Data S	Sheet	(D) D	/E\
•		(P) Pass	(F) Fail

Tellabs 5500HDU DS3				
Slot 5500HDU	Tellabs 5500HDU	DSX-3/4	DS3 Test Result	
Circuit 13	TX 13	OUT		
	RX 13	IN		
Circuit 14	TX 14	OUT		
Circuit 14	RX 14	IN		
Circuit 15	TX 15	OUT		
Circuit 15	RX 15	IN		
Circuit 16	TX 16	OUT		
Circuit 10	RX 16	IN		
Circuit 17	TX 17	OUT		
	RX 17	IN		
Circuit 18	TX 18	OUT		
	RX 18	IN		
0114 40	TX 19	OUT		
Circuit 19	RX 19	IN		
0: 1/ 00	TX 20	OUT		
Circuit 20	RX 20	IN		
0: :: 04	TX 21	OUT		
Circuit 21	RX 21	IN		
Circuit 22	TX 22	OUT		
Circuit 22	RX 22	IN		
Circuit 23	TX 23	OUT		
Gircuit 23	RX 23	IN		
Circuit 24	TX 24	OUT		
Circuit 24	RX 24	IN		