



Alcatel 7300 ASAM HD Streaker Card ST-ALC7300HD Practice

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1 GENERAL

This practice describes Telecom Assistance Group's ST-ALC7300HD - Alcatel 7300 ASAM HIGH DENSITY (HD) Streaker Card. The ST-ALC7300HD is used when installing the Alcatel 7300 ASAM High Density systems. The ST-ALC7300HD is a temporary test card that plugs in the LP card slots of the Alcatel 7300 ASAM integrated HD shelf (ALTS-G) or LP-HD (ALTS-P) shelf and is used to confirm wiring from the shelf to the corresponding Main Distribution Frame (MDF) connection points.

For complete information: See Page 2 - Physical Description and Connections.

2 APPLICATION

The Alcatel 7300 ASAM HD Streaker Cards (ST-ALC7300HD) are utilized by installers and audit (acceptance) personnel. The Streaker card verifies wiring from the LP (Low Pass) card slots / backplane / telecom cabling to the wire termination points at the Main Distribution Frame(MDF). The "streaker" test determines whether or not the LP card slots are properly connected through the interconnect wiring. The ST-ALC7300HD is powered by a 9-Volt battery.

Note: The ST-ALC7300HD Streaker Card is a temporary test card. Do not leave Streaker Card unattended while plugged into a LP Card Slot.

3 PROCEDURE

The test procedure typically requires two (2) people for ease of testing. Tester 1 plugs the ST-ALC7300HD into the Alcatel 7300 ASAM HD Shelf.

Tester 2 grounds the corresponding wire wrap connection points. Tester 1 observes the illuminated LED's to verify the wiring.

See Pages 4 - 5 for Step-by-Step Test Procedures.



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4 Physical Description and Connections

- Alcatel 7300 ASAM High Density Steaker Card
- 9V Battery or -48VDC Shelf Powered
- Continuity Test - 48 LED's (24 Green - Tip / 24 Red - Ring)
- LED Test
- Talk Set Jacks



The ST-ALC7300HD provides a quick method to verify wiring continuity "streak" from the Alcatel 7300 ASAM integrated ALTS-G or LP-HD systems low pass filter card slots to the cross connect Main Distribution Frame (MDF). At the cross connect block, Tester 2 will ground the connection point and the ST-ALC7300HD will light the LED associated with that connection. The wiring label on ST-ALC7300HD indicates LED's for 12 POTS circuits and 12 ADSL circuits. The ST-ALC7300HD is powered by a 9-Volt battery.



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5 Testing Equipment

The following equipment is required:

- At least one 7300 ASAM HD Continuity Test Card, Part Number (**ST-ALC7300HD**) (also known as a Streaker Card) - 2 Cards are recommended to identify wiring errors at the Terminal Block.
- Protected Ground Probe, Part Number **P-2000**.
- Hands Free Talk Set, Part Number **TS-7300**. Tester 1 can communicate with Tester 2 via Hands Free Talk Set over spare pair.
- Continuity test data sheet (see Table B) - Page 8.

Part Number : **ST-ALC7300HD**
Description: Alcatel 7300 HD Streaker Card



Part Number: **P-2000**
Description: Protected Ground Probe w/ LED



Part Number: **400409**
Description: Grounding Cord, (6')



Part Number: **TS-7300**
Description: Talk Set Kit
(2) Hands free talk set w/headphone/mic (TS-1C),
(1) Bantam to Wire Wraps - Talk Set Monitor 6' (400210TSW),
(1) Bantam to Pin Plugs 6' (400210P) & (1) Carrying Case (600209)



Part Number: **600209N**
Description: Carrying Case





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6 Step by Step Procedure

TESTER 1

Step **Procedure**

TESTER 1
 Located at Front
 of Alcatel HD

1. Press LED test button. If ALL LED's do not illuminate, replace battery.
2. Visually check connector on Streaker Card and backplane of Alcatel LP card slot for connector wear or pin obstruction.

Note:
**Due to the nature of high density connectors - do not overuse Streaker Cards.
 Connectors are rated for 500 insertions - Call 800-824-7005 to refurbish or re-order.**

3. Verify proper alignment and insert ST-ALC7300HD into Low Pass Filter card slot 1 (LP 1).
**The streaker card is keyed for use only in the Low Pass filter slots of the HD shelf.
 Caution: "Please do not try to force the streaker card into LT Card Slots."**
4. Establish communication with Tester 2 at the Frame.
5. Have Tester 2 - Ground - Touch Probe P-2000 to Line 1 - TIP 1 wire wrap pin assignment.

TESTER 2

6. Connect test probe (P-2000) Alligator Clip to Frame Ground. Use probe end to "ground the corresponding wiring assignments" The LED on the probe will illuminate to indicate a connection to the Alcatel 7300 ASAM HD Streaker Card.

TESTER 2
 Located at MDF
 Wire Wrap Block

TESTER 1

7. Verify that the correct LED on the streaker card is "ON" "GREEN" (Line 1 - TIP 1)

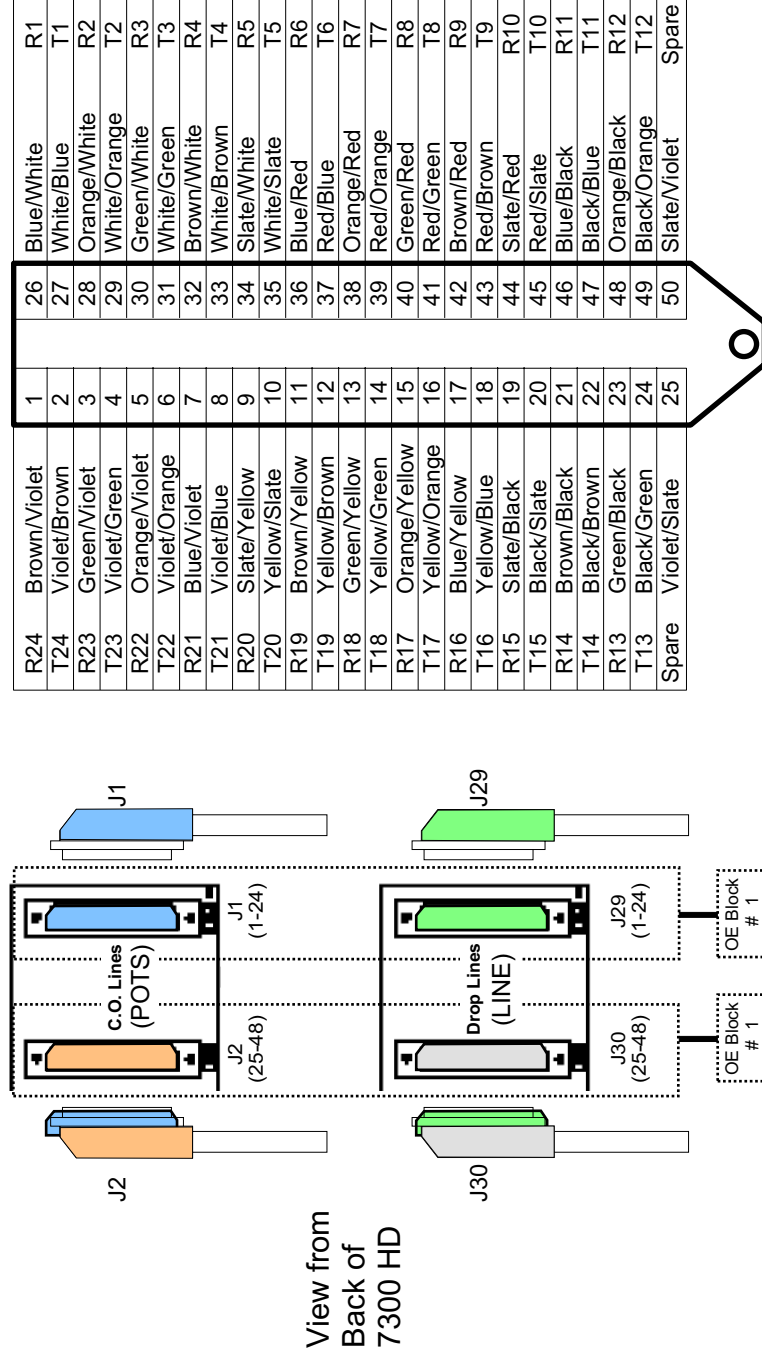
Record PASS/FAIL data in Table B.
 (See Page 8 for forms)

Table A. ST-ALC7300HD LED States			
LED	LED Color	LED State	Explanation
ADSL TIP #	Green	On	There is continuity in the circuit.
		Off	There is no continuity in the circuit.
ADSL : RING #	Red	On	There is continuity in the circuit.
		Off	There is no continuity in the circuit.
POTS TIP #	Green	On	There is continuity in the circuit.
		Off	There is no continuity in the circuit.
POTS : RING #	Red	On	There is continuity in the circuit.
		Off	There is no continuity in the circuit.



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7 Cabling / Wiring Diagram



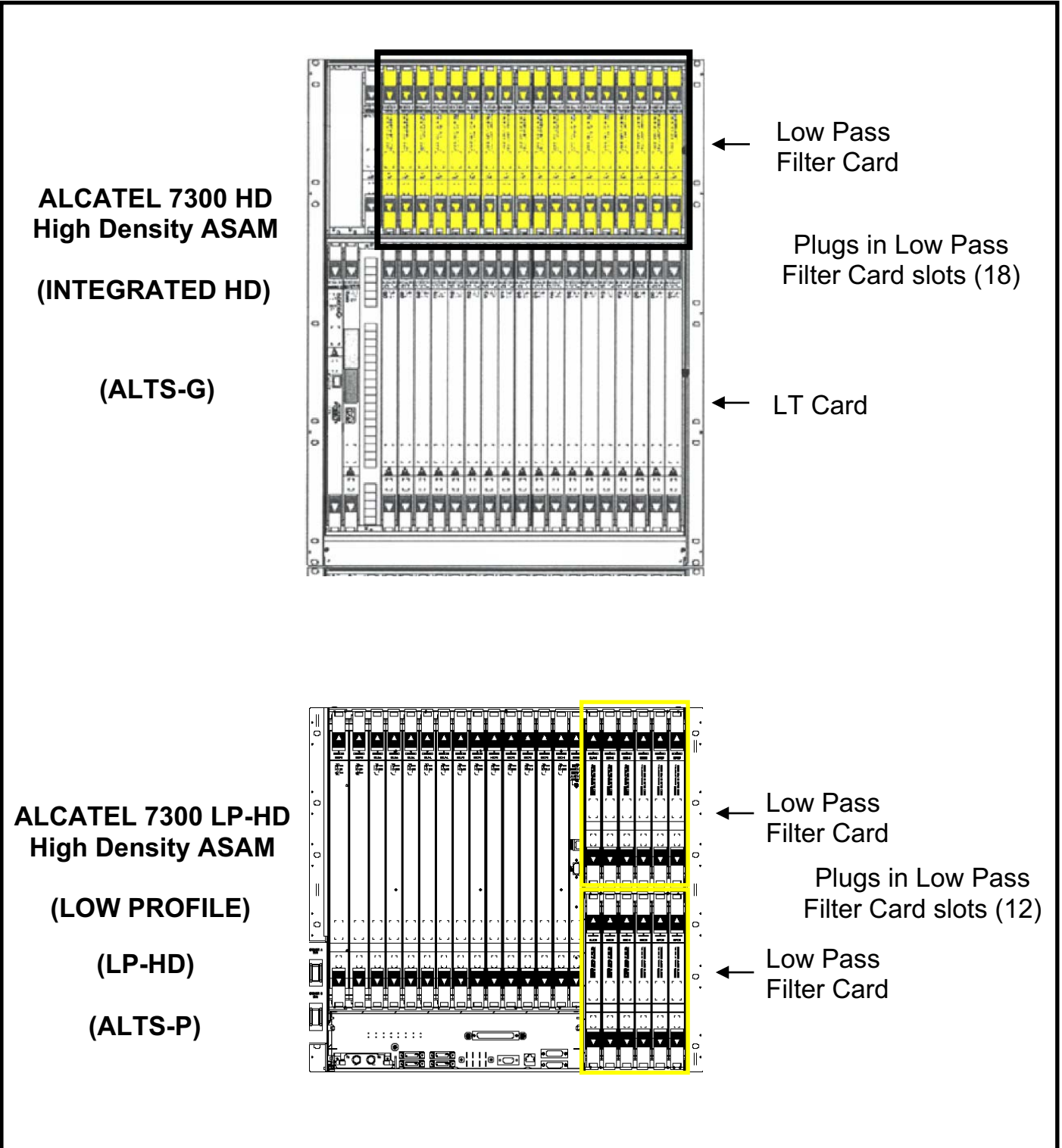
J2	POTS (25-48)	R	BL/W	Or/W	Gr/W	Br/W	SL/W	BL/R	Or/R	Gr/R	Br/R	SL/R	BL/Bk	Or/Bk	Gr/Bk	Br/Bk	SL/Bk	BL/Y	Or/Y	Gr/Y	Br/Y	SL/Y	BL/V	Or/V	Gr/V	Br/V		
J30	LINE (25-48)	T	W/BL	W/Or	W/Gr	W/Br	W/SL	R/BL	R/Or	R/Gr	R/Br	R/SL	Bk/BL	Bk/Or	Bk/Gr	Bk/Br	Bk/SL	Y/BL	Y/Or	Y/Gr	Y/Br	Y/SL	V/BL	V/Or	V/Gr	V/Br		
J1	POTS (1-24)	R	BL/W	Or/W	Gr/W	Br/W	SL/W	BL/R	Or/R	Gr/R	Br/R	SL/R	BL/Bk	Or/Bk	Gr/Bk	Br/Bk	SL/Bk	BL/Y	Or/Y	Gr/Y	Br/Y	SL/Y	BL/V	Or/V	Gr/V	Br/V		
J29	LINE (1-24)	T	W/BL	W/Or	W/Gr	W/Br	W/SL	R/BL	R/Or	R/Gr	R/Br	R/SL	Bk/BL	Bk/Or	Bk/Gr	Bk/Br	Bk/SL	Y/BL	Y/Or	Y/Gr	Y/Br	Y/SL	V/BL	V/Or	V/Gr	V/Br		

Terminal Block # 1 (1 - 48)



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8 Configurations





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9 Continuity Test Data Sheet

Tested by : _____
 Shelf # : _____
 Rack # : _____

TABLE B. (P) Pass (F) Fail

	LP 1		LP 2		LP 3		LP 4		LP 5		LP 6		LP 7		LP 8		LP 9	
	POTS	ADSL	POTS	ADSL	POTS	ADSL	POTS	ADSL	POTS	ADSL	POTS	ADSL	POTS	ADSL	POTS	ADSL	POTS	ADSL
T1																		
T2																		
T3																		
T4																		
T5																		
T6																		
T7																		
T8																		
T9																		
T10																		
T11																		
T12																		

R1																		
R2																		
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