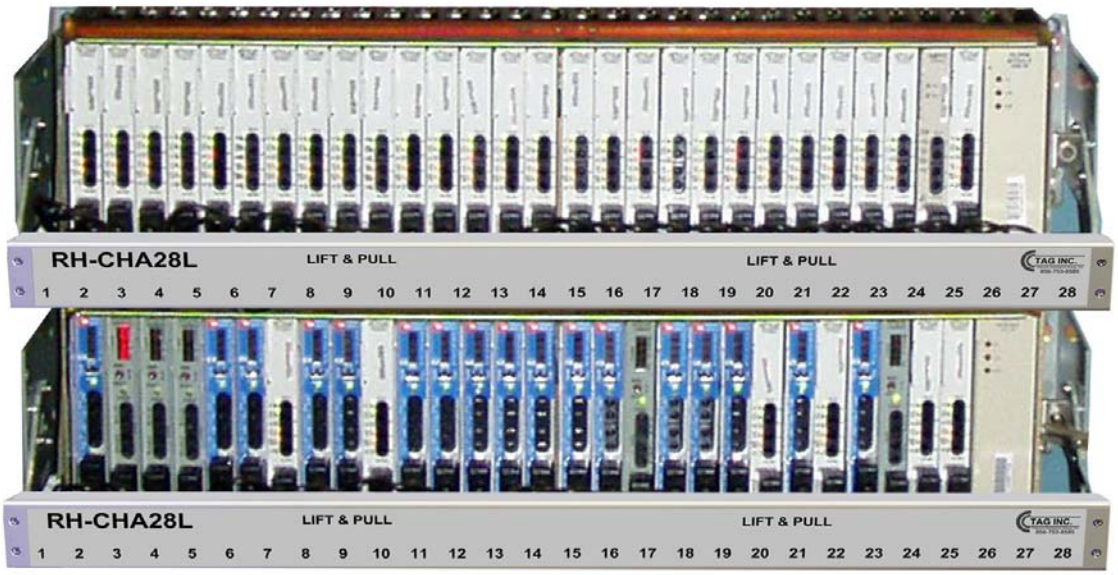
Remote HDSL Test Access System - RHTAS



(Works on all HDSL systems that have 9 Pin connectors - 3192, 3190, WeCo 220, Kentrox 220, DDM Plus)

NEBS Approved

The first HDSL systems deployed in the telephone industry did not allow for *Remote Test Access* capabilities. The only means to provision, test or retrieve historical test data was via a serial craft interface port (9 pin connector) on the faceplate of each card. A skilled technician had to *physically* be at the HDSL card location to gain access via a laptop or dumb terminal.

The local serial craft interface port on HDSL cards was designed to be an effective "non-intrusive" tool for collecting historical Performance Monitoring (PM) data and troubleshooting HDSL circuits. These cards contain test data that can sectionalize troubles to HTUC (CO HDSL Card), Doublers, Cable Pairs and HTUR (CPE/Remote HDSL Card). Most cards contain a 31 day history.

With TAG'S **Remote HDSL Test Access System (RHTAS)**, telephone companies will now have the ability to **remotely connect** to the serial craft interface port on HDSL cards. The extraordinary capabilities of the new RHTAS will add a *powerful dimension* to HDSL maintenance and surveillance for the telecommunications industry.

Benefits:

- **Remote access puts data** in the "hands" of the best HDSL troubleshooters.
- Allows **accurate dispatching** on HDSL troubles.
- **Eliminates** having another **person** retrieve or collect data.
- **Remotely monitor and collect** margin and performance data for **proactive maintenance**.
- **Able to interface** existing remote test systems.

150 Cooper Rd. (F-15)
W. Berlin, NJ 08091

Telephone: (856) 753-8585
Fax : (856) 768-7645

www.tagcords.com

Telecom Assistance Group

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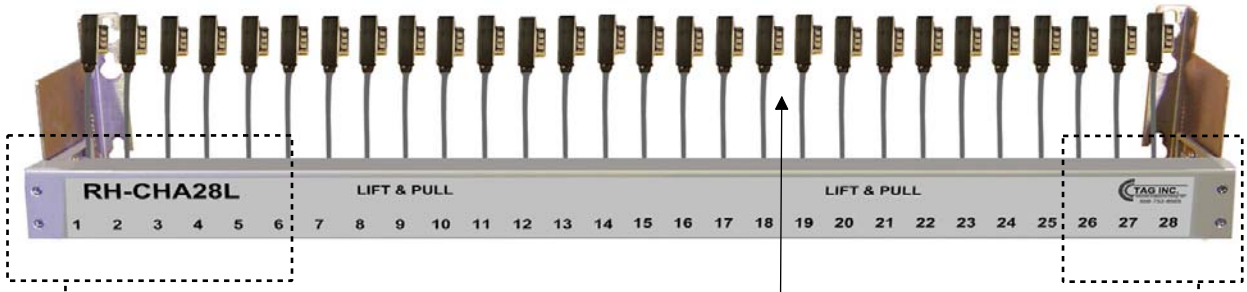
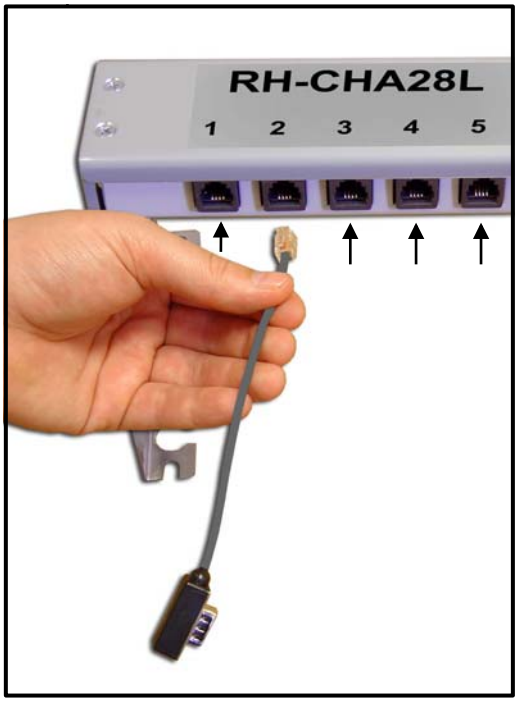
Remote HDSL Test Access System - RHTAS

Shelf Interface Unit (rail):

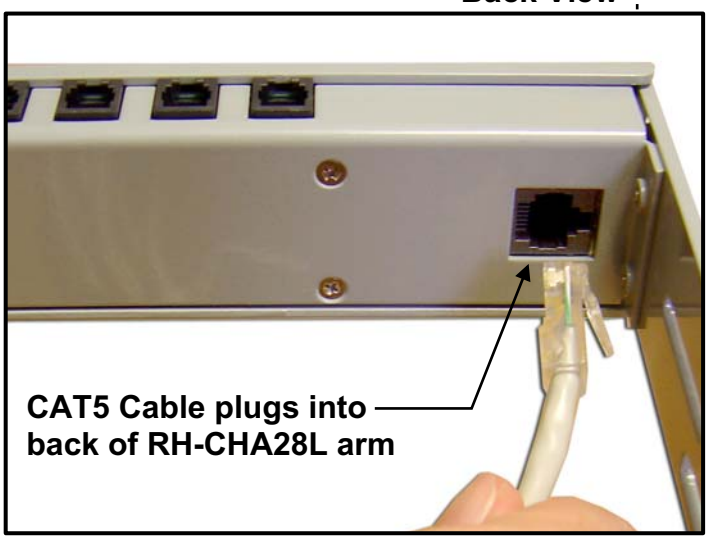


(28) Modular Plug to Right Angle 9Pin

Front View



Back View



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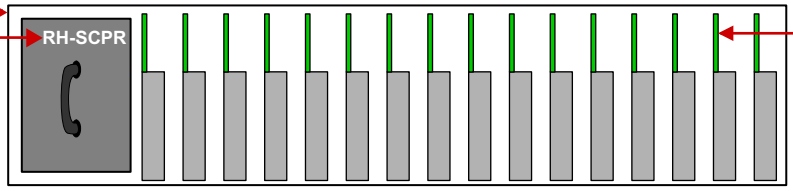
Remote HDSL Test Access System - RHTAS

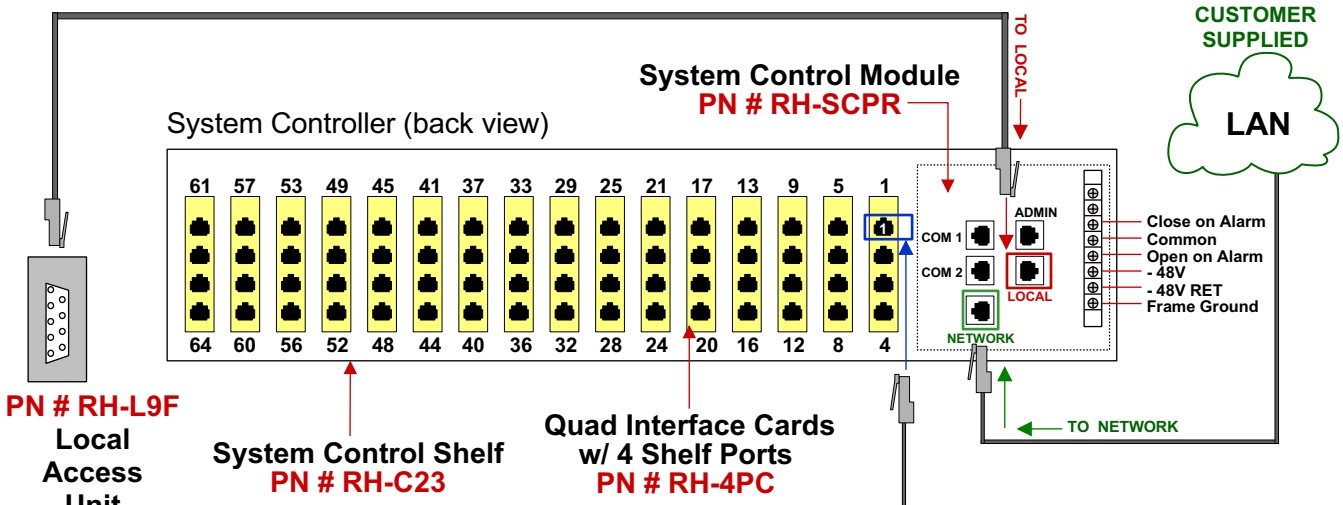
Ordering/Configuration Guide:

RHTAS System Controller

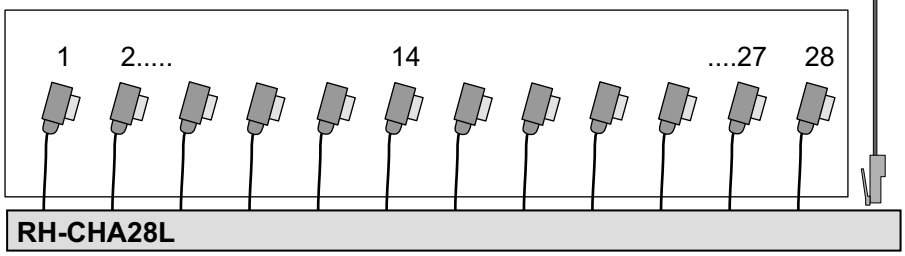
RH-SCPR: RHTAS System Control Module (plugs into the **RH-C23**)

RH-C23: RHTAS System Control Shelf, (23")
- Accommodates 16 Quad Interface cards (**RH-4PC**)
(Up to 64 (28 card type) or 128 (14 card type) Shelves)





HDSL SHELF



PN # RH-CAT5-20
Cat 5 Cable
Order 1 per-shelf
Specify feet-distance to System Controller.

PN # RH-CHA28L
RHTAS Shelf Interface Unit
w/ Removable 9 Pin Connectors for 28 HDSL Craft Access Ports
(Order 1 Per HDSL Shelf (28 card type). Comes with Mounting hardware.)

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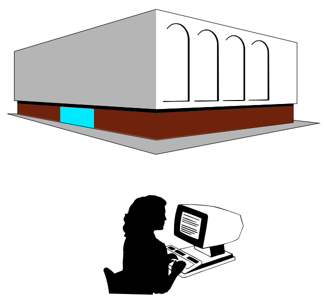
Remote HDSL Test Access System - RHTAS

System Flowchart:

1 The Center DOES NOT issue a test assist Trouble Ticket.

2 The Center uses the CKT ID to access the WordDoc.

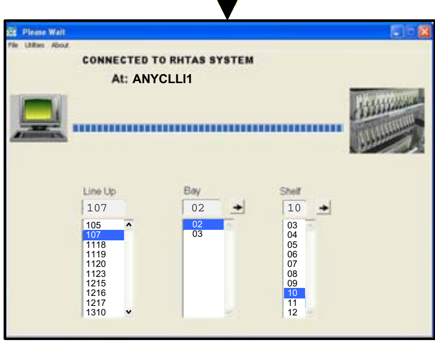


CKT 13/HCGS/677180 /PT A ANYCLLI1W08 -- Z ANYCLLI1 /FOR:
ORD C79884981 -001 SUPP A ACTN IE CAC SMN2XU2 MCO ANYCLLI1MH5
N/*LOCN,EQPT AND FAC FRAME ID UNIT SV Z-A A-Z MISC
T1MBD811 010154.02C 124-22
EEDC E=ANYCLLI1K05 LAS9
ANYCLLI1K05 F05/05/124/22 243010
A 2540 T1EDSX 1 X4 M=0000.0 01SMN2
OWNER=B-BB XU2 S1
ANYCLLI1 F10/09/28/22 3/HCGS
NOBANK /67718
DSX-1 010118/F10/09/28/22 0 /
H4BN PT
HU4SCEBNN
A T1MRP4B7 01 0107 .02 10 03
A T1L8RPNC LS04318603 I
** ****************
A T1MRP4B7 REMOTE ACCESS AVAILABLE
** ****************
ANYCLLI1 FM1 NOTE N
FM1 G
1 A EXC67 26 11 XT R0378 DB37.2 GO TO:
.9 DOC
4211 BP-IN PG
0829 CO PTLA DSGNR MCP/800-945-9040 ISS 002/08-29-07 PG C003-005

3 From WordDoc
Center will Select:

	CLLI CODE	
CLLI CODE	Location	
	ANYCLLI1	
	FRAME ID	
FRAME ID	Line Up	Bay
	107	02
	UNIT	
UNIT	Shelf	Card Slot
	10	03

into TAG "Office Mapping Software"



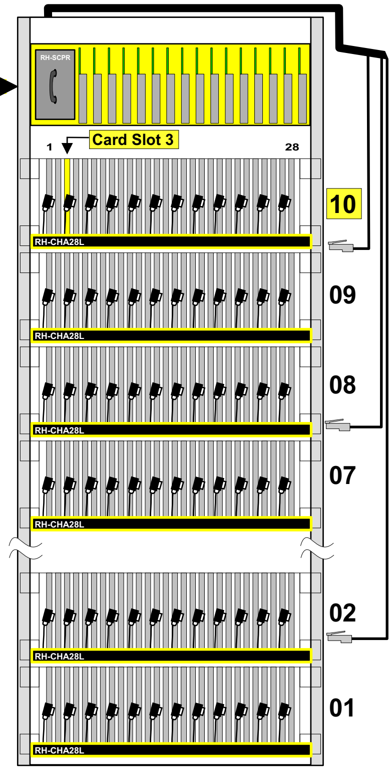
CLLI CODE	IP ADDRESS
ANYCLLI1	172.555.196.109
ANYCLLI2	172.555.197.110
ANYCLLI3	172.555.198.111

4 CLLI CODE map to IP Address of TAG System Controller

5 Remote Tester now physically connected to 9 Pin connector at HTU-C card in Shelf 10 Card Slot 03

RHTAS System Controller

Central Office - 1st Floor HDSL



RR107.02

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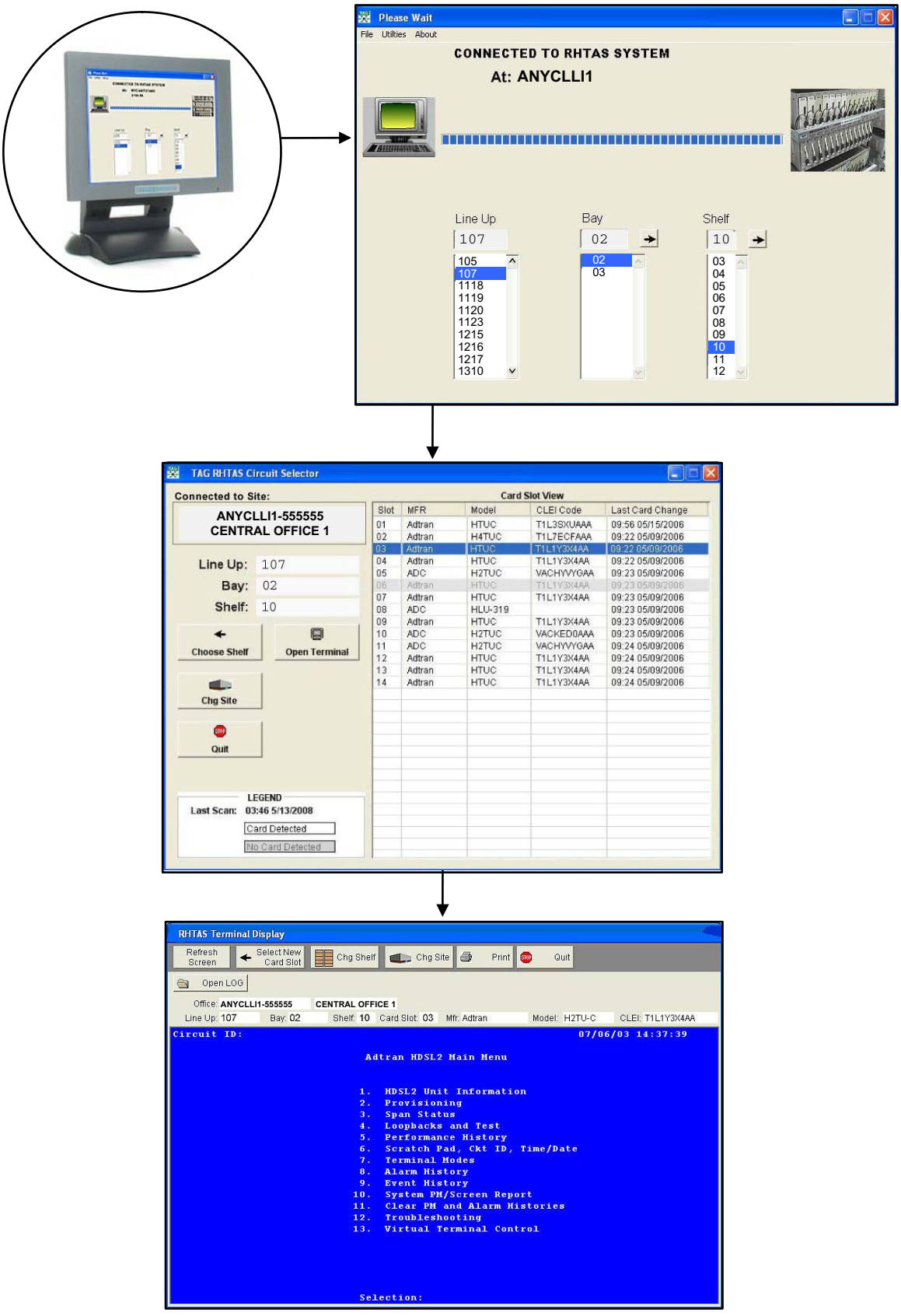
Remote HDSL Test Access System - RHTAS

Screenshots of the RHTAS:



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Remote HDSL Test Access System - RHTAS

RHTAS Management System:

TAG's Optional Management System:

- Enhanced Center Software
- Periodically scan HDSL circuits (programmable)
- Compare margins over time
- Program clock settings on HDSL cards
- Inventory Reports
- Auto alarm / page capabilities on degrading circuits
- Network Surveillance (Links)
- Site Configuration Backup

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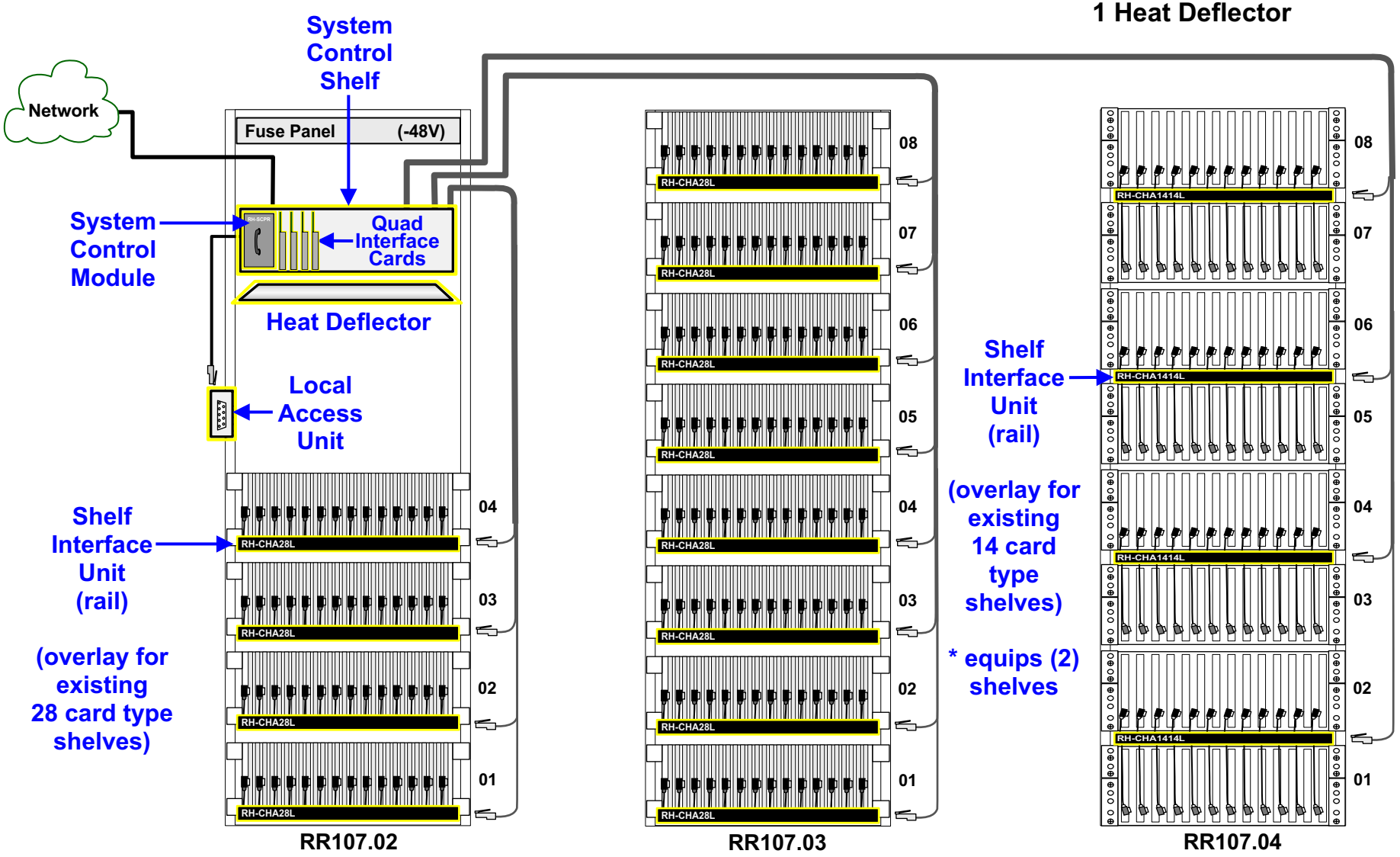
Remote HDSL Test Access System - RHTAS

Typical RHTAS Installation Overview:

16 RHTAS Arms
1 System Controller
1 Local Access Unit
4 Quad Interface Cards
1 Heat Deflector



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