Remote HDSL Test Access System - RHTAS
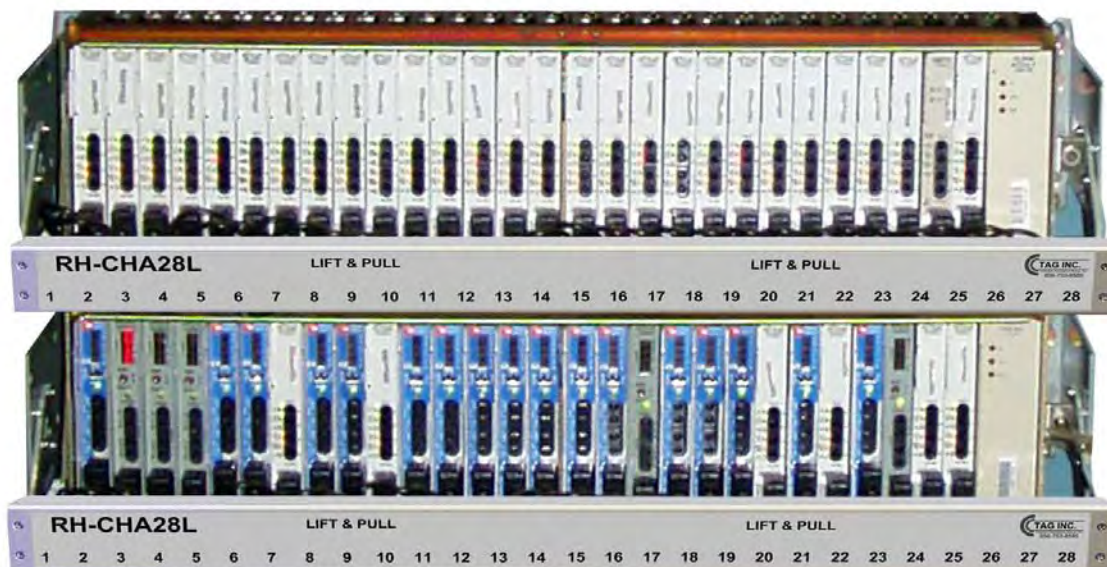

(Works on all HDSL systems that have 9 Pin connectors - 3192, 3190, WeCo 220, Kentrox 220, DDM Plus)

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

www.tagcords.com

Telephone: (856) 753-8585
Fax : (856) 768-7645
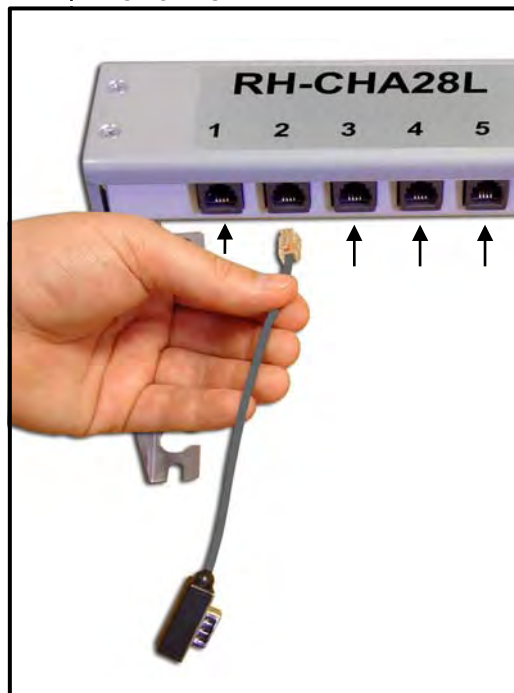
Telecom Assistance Group

Remote HDSL Test Access System - RHTAS

Shelf Interface Unit (rail):

Front View
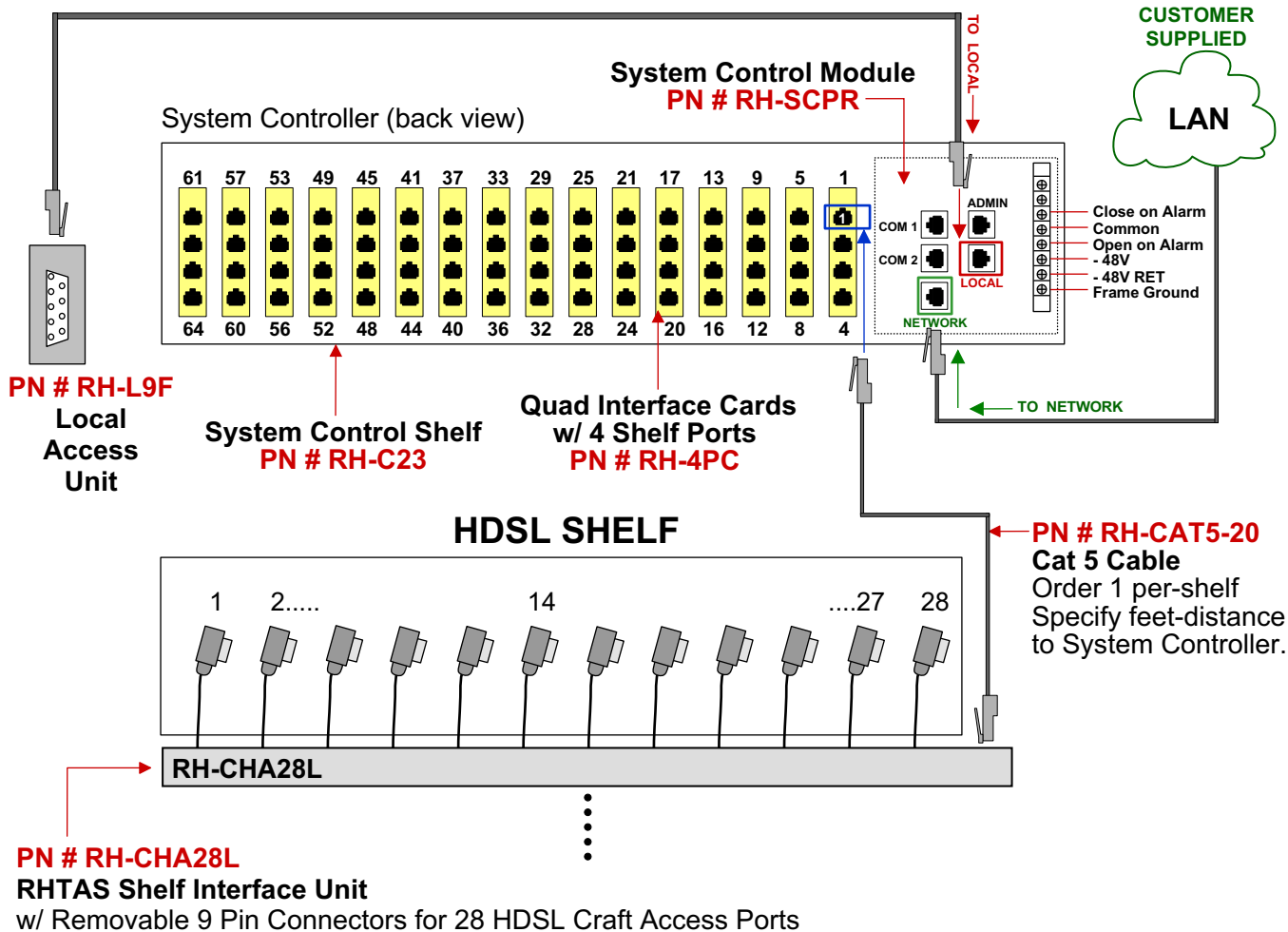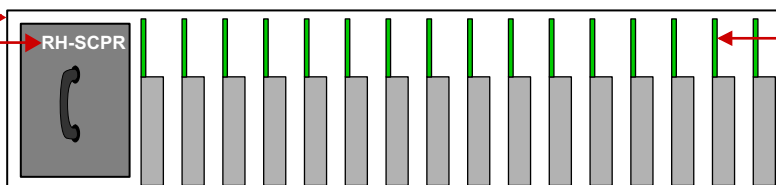
**(28) Modular Plug
to
Right Angle 9Pin**

Back View

**CAT5 Cable plugs into
back of RH-CHA28L arm**
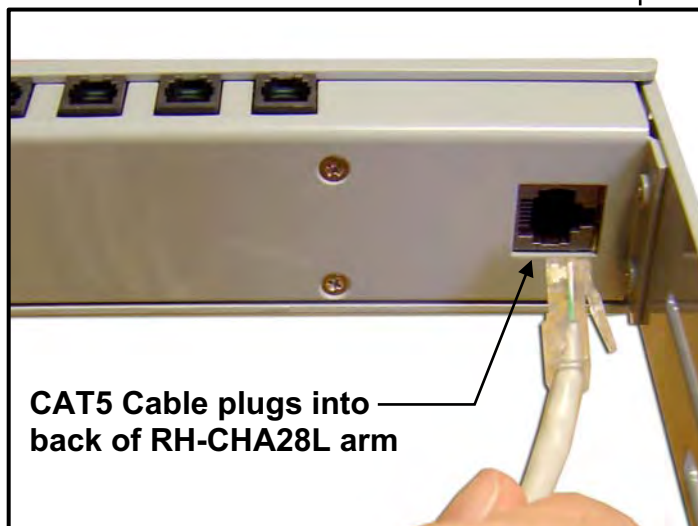
Remote HDSL Test Access System - RHTAS

Ordering/Configuration Guide:

RH-CHA28L   LIFT & PULL   LIFT & PULL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
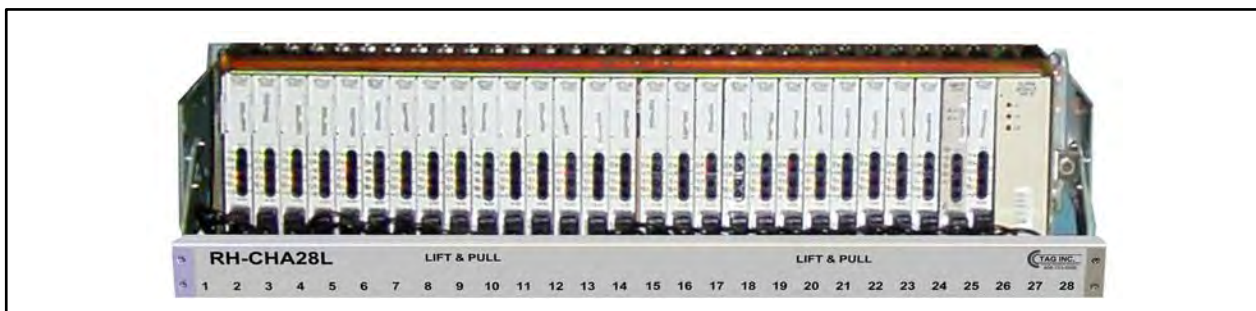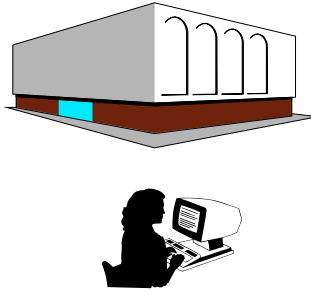
RHTAS System Controller

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)

RH-SCPR

CUSTOMER SUPPLIED

LAN

TO LOCAL

System Control Module
PN # RH-SCPR

System Controller (back view)

61 57 53 49 45 41 37 33 29 25 21 17 13 9 5 1
64 60 56 52 48 44 40 36 32 28 24 20 16 12 8 4

1

COM 1   ADMIN
COM 2   LOCAL
NETWORK

Close on Alarm
Common
Open on Alarm
- 48V
- 48V RET
Frame Ground

TO NETWORK

PN # RH-L9F
Local Access Unit

System Control Shelf
PN # RH-C23

Quad Interface Cards
w/ 4 Shelf Ports
PN # RH-4PC

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

HDSL SHELF

1 2..... 14 ....27 28

RH-CHA28L

PN # RH-CHA28L
RHTAS Shelf Interface Unit
w/ Removable 9 Pin Connectors for 28 HDSL Craft Access Ports

Remote HDSL Test Access System - RHTAS

System Flowchart:

1 The Center <u>DOES NOT</u> 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               I
A T1L8RPNC           LS0431603                     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     GO PTLA      DSGNR MCP/800-945-9040 ISS 002/08-29-07 PG C003-005
```
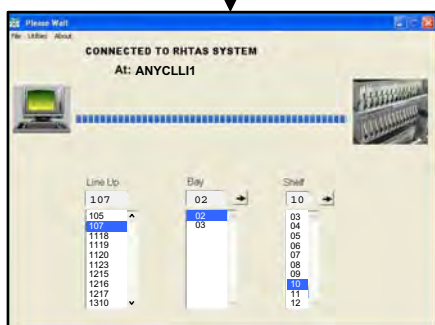
3 From WordDoc Center will Select:

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"

Central Office - 1st Floor HDSL

RHTAS System Controller

RH-SCPR

Card Slot 3

1   28

RH-CHA28L

10

09

08

07

02

01

RR107.02

CONNECTED TO RHTAS SYSTEM
At: ANYCLLI1

Line Up
107
105
107
1118
1119
1120
1123
1215
1216
1217
1310

Bay
02
02
03

Shelf
10
03
04
05
06
07
08
09
10
11
12

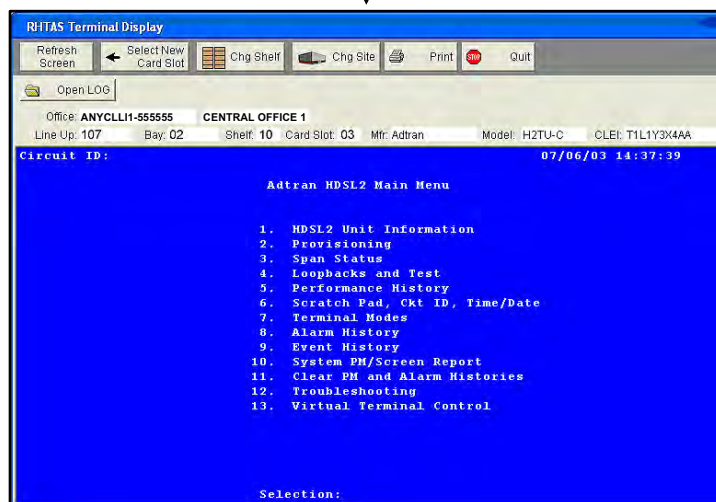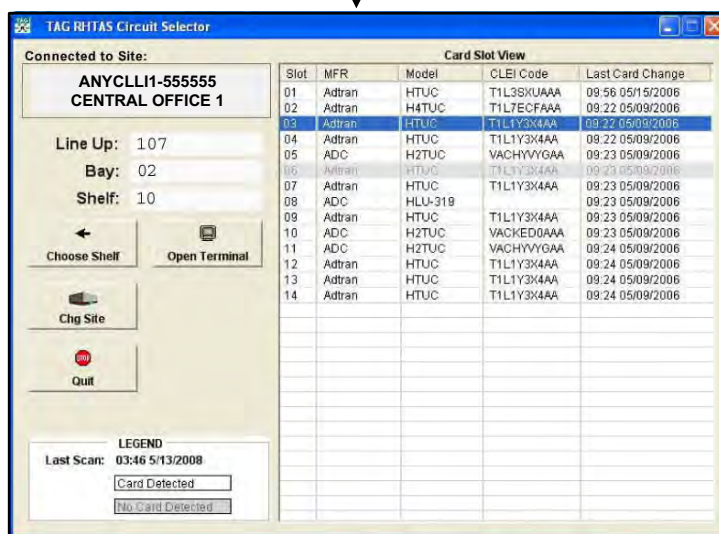| CLLI CODE	IP ADDRESS
ANYCLLI1	172.555.196.109
ANYCLLI2	172.555.197.110
ANYCLLI3	172.555.198.111
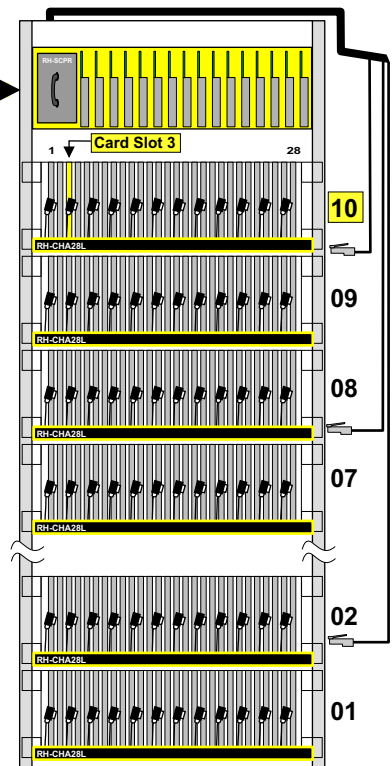
4 CLLI CODE map to IP Address of TAG System Controller

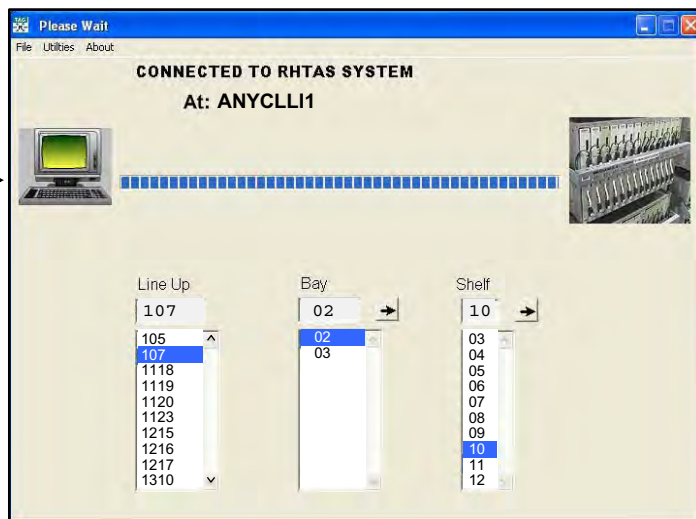**5** Remote Tester now physically connected to 9 Pin connector at HTU-C card in Shelf 10 Card Slot 03

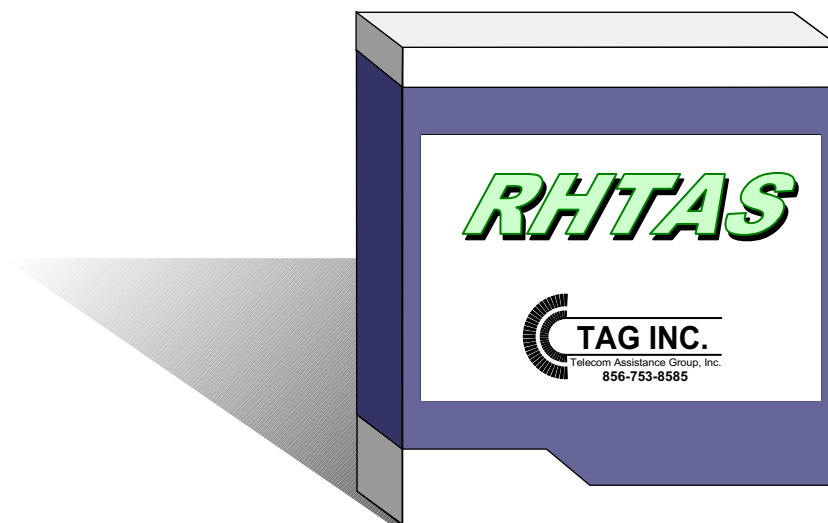# Remote HDSL Test Access System - RHTAS

Screenshots of the RHTAS:

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

RHTAS

TAG INC.
Telecom Assistance Group, Inc.
856-753-8585

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

Network

System Control Shelf

System Control Module

Quad Interface Cards

Fuse Panel (-48V)

RH-SCPR

Heat Deflector

Local Access Unit

Shelf Interface Unit (rail)

(overlay for existing 28 card type shelves)

RH-CHA28L — 04, 03, 02, 01

RR107.02

RH-CHA28L — 08, 07, 06, 05, 04, 03, 02, 01

RR107.03

Shelf Interface Unit (rail)

(overlay for existing 14 card type shelves)

* equips (2) shelves

RH-CHA1414L — 08, 07, 06, 05, 04, 03, 02, 01

RR107.04