

# WINDIAGS Network Controller Diagnostic and Configuration Software

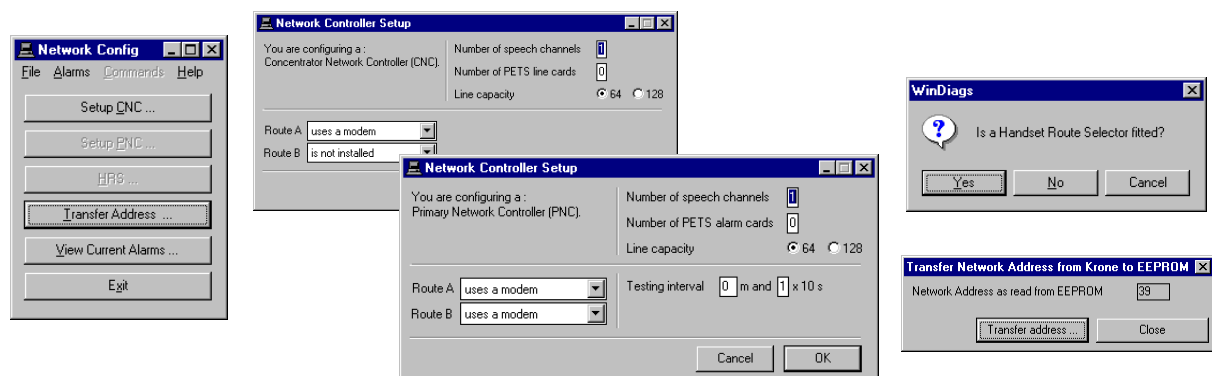
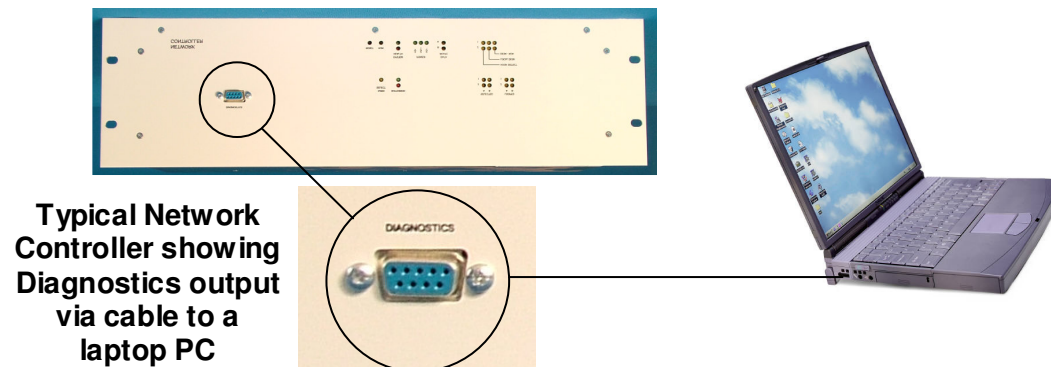


The STS Rail “WINDIAGS” software program is a Microsoft Windows based application designed to run on a PC (usually a laptop) and enables the configuration and diagnosis of Network Controller equipment across a network of CONCEPT 32 telephone concentrators.

The WINDIAGS software has two functions:

- Allows PNC (Primary Network Controller) and CNC (Concentrator Network Controller) configuration parameters to be set up.
- Enables the “Alarm View” program to monitor, display, sort and print current and archived alarms.

The WINDIAGS program detects the Network Controller firmware, held in EPROM which determines whether a PNC or CNC is being configured, and displays the appropriate screen.



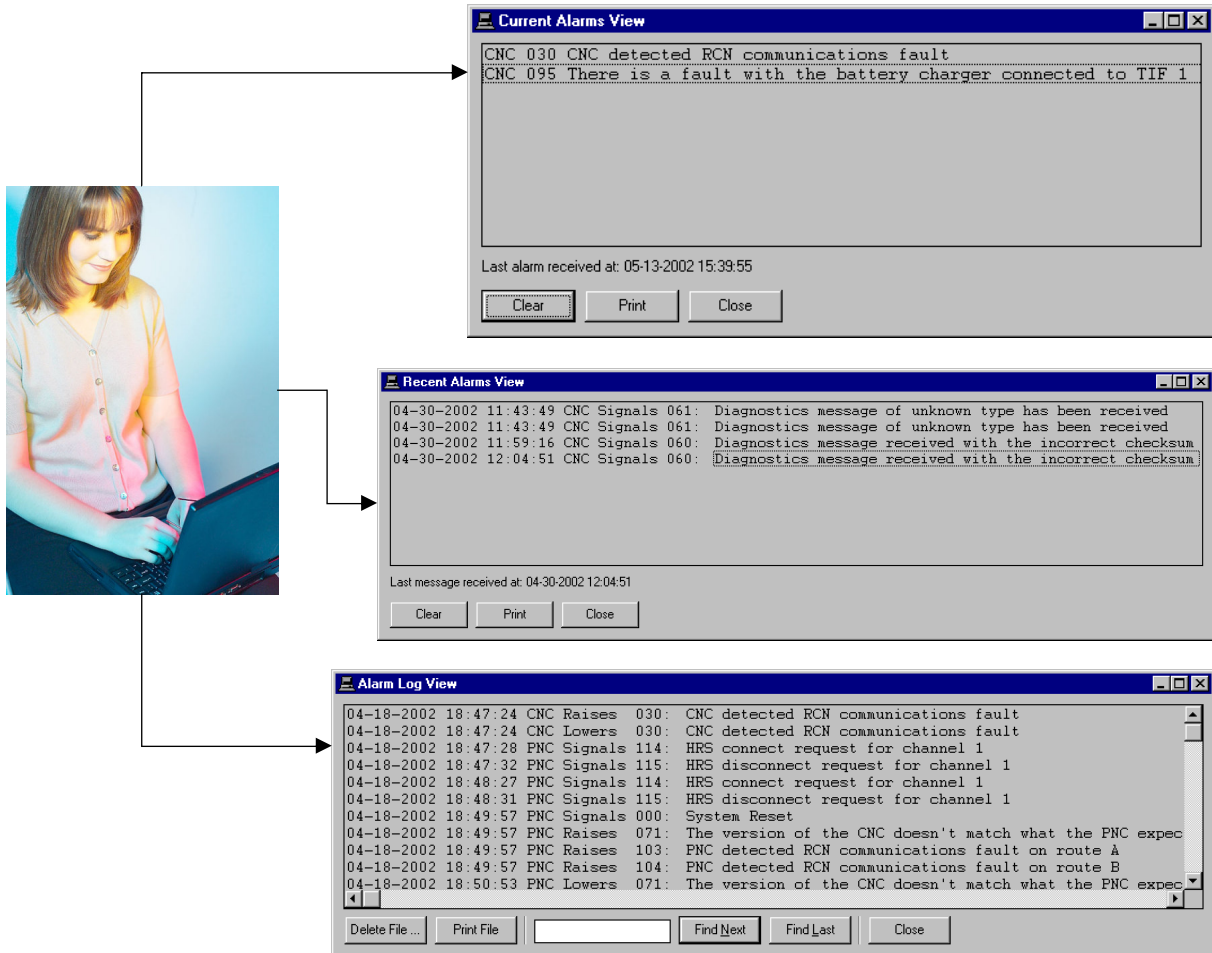
**Typical selection of WINDIAGS configuration screens**

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## WINDIAGS “ALARM VIEW” PROGRAM



**Current Alarms View**

```
CNC 030 CNC detected RCN communications fault
CNC 095 There is a fault with the battery charger connected to TIF 1
```

Last alarm received at: 05-13-2002 15:39:55

Clear Print Close

**Recent Alarms View**

```
04-30-2002 11:43:49 CNC Signals 061: Diagnostics message of unknown type has been received
04-30-2002 11:43:49 CNC Signals 061: Diagnostics message of unknown type has been received
04-30-2002 11:59:16 CNC Signals 060: Diagnostics message received with the incorrect checksum
04-30-2002 12:04:51 CNC Signals 060: Diagnostics message received with the incorrect checksum
```

Last message received at: 04-30-2002 12:04:51

Clear Print Close

**Alarm Log View**

```
04-18-2002 18:47:24 CNC Raises 030: CNC detected RCN communications fault
04-18-2002 18:47:24 CNC Lowers 030: CNC detected RCN communications fault
04-18-2002 18:47:28 PNC Signals 114: HRS connect request for channel 1
04-18-2002 18:47:32 PNC Signals 115: HRS disconnect request for channel 1
04-18-2002 18:48:27 PNC Signals 114: HRS connect request for channel 1
04-18-2002 18:48:31 PNC Signals 115: HRS disconnect request for channel 1
04-18-2002 18:49:57 PNC Signals 000: System Reset
04-18-2002 18:49:57 PNC Raises 071: The version of the CNC doesn't match what the PNC expect
04-18-2002 18:49:57 PNC Raises 103: PNC detected RCN communications fault on route A
04-18-2002 18:49:57 PNC Raises 104: PNC detected RCN communications fault on route B
04-18-2002 18:50:53 PNC Lowers 071: The version of the CNC doesn't match what the PNC expect
```

Delete File... Print File  Find Next Find Last Close

The WINDIAGS Alarm View program allows the engineer to display:

- Current Alarms
- Recent Alarms—alarms that are no longer in force
- Historical Alarms—alarms recorded in the alarm archive file Almlog.txt

Files may be deleted or printed using the appropriate button.

A search may be made for a specific fault or faults in Alarm Log View by entering a text string in the text box.

WINDIAGS is supplied on a 1.44Mb 3.5” diskette or CD-ROM with supporting documentation.