

Troubleshooting Problems at the NT with Sonata

One of the most common problems meeting the installation technician and the systems integrator is isolating NT box failures prior to the customer premises.

Application Note ANSON_5

Testing the World's Digital Networks



TrendCommunications

PROVING THE 'NETWORK TERMINATION' - NT SWAP-OUT ON AURORA SONATA

One of the most common problems meeting the installation technician and the systems integrator is isolating NT box failures prior to the customer premises.

Often isolation of NT problems is a case of trial and error, replacing various segments of the network until the faulty element is determined.

Using the auroraSonata fitted with a S/T and a U interface, a three stage test process can quickly isolate faults without the constant need to swap test cables and disrupt the test.

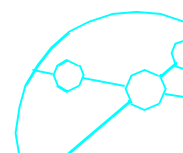
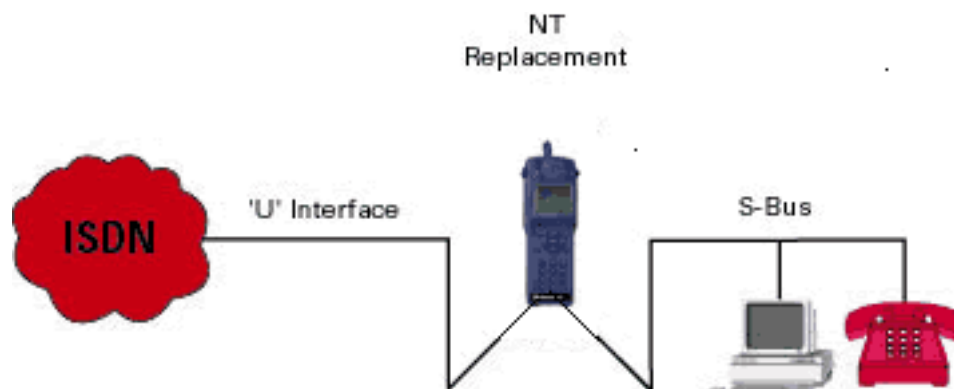
3 STAGE TEST

Replace the NT with the auroraSonata as shown in figure 1.

Stage 1: Set the tester into NT mode - test and isolate the customer equipment

Stage 2: Set the tester into TE mode - test and isolate the network

Stage 3: Set the tester into 'Golden NT' (NT Swap-out) mode - isolate the NT and test the complete system (Network to Customer equipment)



If it is required to further isolate problems specific to the NT box, the auroraSonata may be placed into LT mode and connected to the U interface on the NT to simulate the ISDN network into the NT and through to the customer premises equipment (CPE) or it may simulate the CPE using TE mode on the S/T interface.

Golden NT mode (NT swap-out) is available as standard when 2B1Q, 4B3T or Up0 U interfaces are fitted alongside an S/T interface.

U interface monitor is also an option with the auroraSonata (see application note number 2).

The functionality detailed above is available in the latest release of aurora Sonata.

Please contact your Local Vendor or the Trend Communications Ltd

Customer Support Hotline (tel: +44 1628 851085) for further information.

