



# PPP Testing



*Application Note* HOWTOPPPOE-5

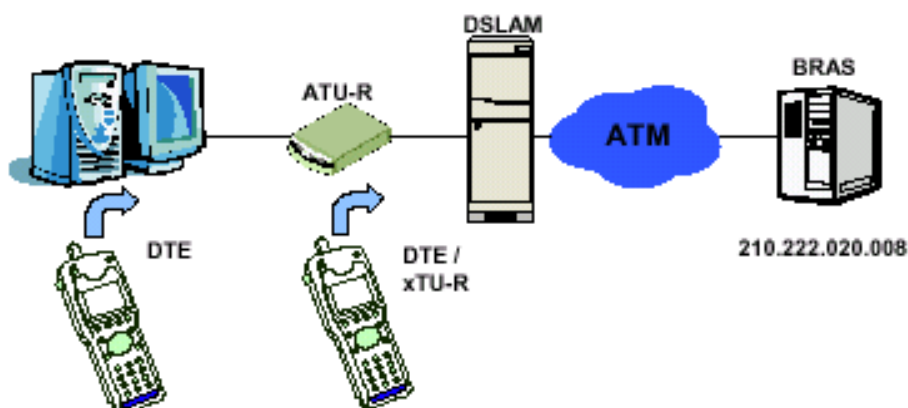
# xDSL



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## SETTING UP AURORA PRESTO TO PERFORM PPPoA CLIENT TESTING

PPPoA (PPP over ATM) client testing allows Aurora Presto to replace either the PC (DTE replacement mode) or the PC and Modem (DTE / xTU-R replacement mode) and authenticate with the Broadband Remote Access Server (BRAS). The step-by-step guide below shows the configuration of Aurora Presto for typical PPPoA client mode operation.



The following menus are typical setting for PPPoA testing. It is possible that some of the settings (e.g. Subnet Mask (Msk)) may need changing to meet your network requirements).

### Configuring IP Address Setup

1. Select Setup (F4) / IP Address Setup and configure the menu as follows:
  - Src : Acquire Mode
  - Dst: 210.222.020.008
  - DGW :000.000.000.000
  - Msk: 255.255.000.000
  - Origin: IPCP
2. Press **ESC** twice (2) to return to the main menu.

## Configuring IP Frame Setup

1. Select Setup (**F4**) / **IP Frame Setup** and configure the menu as follows:
  - IP Type: Dix
  - IP Encap: VCMux
  - IP Mode: Bridge Type 1
  - HDR Compression: Off
2. Press **ESC** twice (2) to return to the main menu.

## Configuring Protocol Setup

1. Select Setup (**F4**) / **Protocol Setup** and configure the menu as follows:
  - Protocol: PPPoA Cli
  - Port: VC1
  - User: \*\*\* Username \*\*\*
  - Pswd: \*\*\* Password \*\*\*

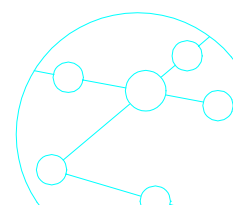
### Note

Port must be set to ATM-25 if PPPoA Client DTE mode is required.

2. Press ESC twice (2) to return to the main menu.

## Configuring the ATM Virtual Circuit

1. Select Modem Test / ATM Layer / Setup (F4).  
This menu allows you to setup the ATM virtual circuit.
2. Enter the VPI and VCI of the modem that you are replacing.  
If you do not know these values ask the customer.
3. Make sure that VC mode is set to enabled and that the Tx Rate is at least 25%.
4. Press ESC three times (3) to return to the main menu.  
It is important that for example if VC1 has been selected as the 'Port' under 'Protocol Setup', that the correct VPI / VCI are specified in VC1 for the ATM setup.



### Confirming PPP operation

1. Select Modem Tests / PPP Layer / PPP Stats. If PPP has been successful, the following will be displayed:
  - Variant : PPPoA Cli
  - LCP : Opened
  - IPCP: Opened
  - CHAP : Opened

#### Note

Could also be 'PAP : Opened' if PAP is used.

2. Press ESC three times (3) to return to the main menu.

