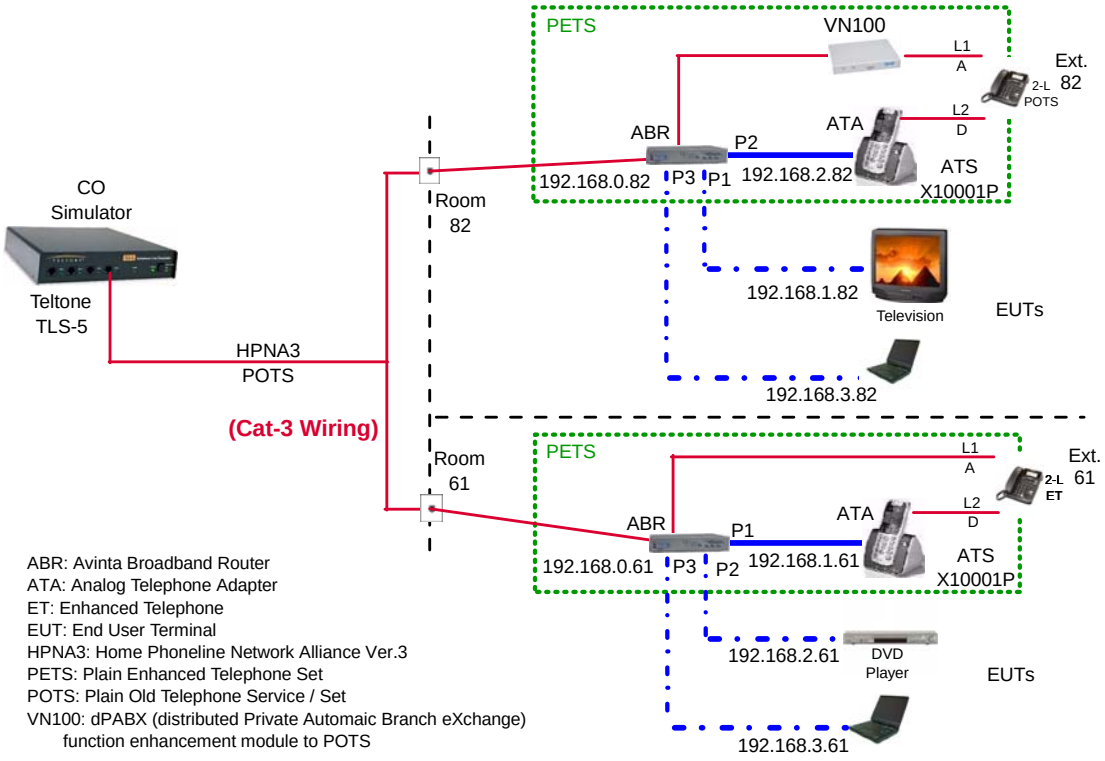
Modular PETS Demo
(PhoneLine Based)



ABR: Avinta Broadband Router
ATA: Analog Telephone Adapter
ET: Enhanced Telephone
EUT: End User Terminal
HPNA3: Home Phoneline Network Alliance Ver.3
PETS: Plain Enhanced Telephone Set
POTS: Plain Old Telephone Service / Set
VN100: dPABX (distributed Private Automaic Branch eXchange) function enhancement module to POTS

Presentation Video Clip
2007-10-01

1. L1/A is an Analog dPABX over narrowband. The Extension number of each telephone station is set by rotary dials in VN100.

   The station set in Room 61 is an ET that has VN100's dPABX functions built-in.

- To call Room 61, dial "#61".
- To call Room 82, dial "#82".

These verify physical connectivity between two parties.

2. L2/D is a Digital dPABX over broadband utilizing ATA as the A/D converter. Its station ID is assigned by the host ABR whose basic IP address is controlled by rotary dials that are set by user.

- To call Room 61, dial "192*168*1*61#".
- To call Room 82, dial "192*168*2*82#".

These verify network connectivity between two nodes.

3. Housing all these in the enclosure of a POTS, we have a PETS providing communications services over both narrow- and broad- bands with intuitive network diagnostics capabilities without any reliance on a PC.

4. To enjoy mixed applications or to verify throughput capabilities of AvintaNET, EUTs (Laptop PCs, DVD Player, Television, etc.) are then plugged into ABR where and when desired.

5. The last step isolates the most confusing and frustrating aspects of having a PC or such around a premises, especially if it is part of network access devices.

6. This completes a system integration process between narrowband and broadband that is called TCI (Telephony Computer Integration).

7. Note that in a room without the need for voice communication, ABR alone will be sufficient to provide broadband services. PETS will then be substituted in to facilitate the diagnostics, when needed.