Technical Report
TR-008

Default VPI/VCI Addresses for FUNI Mode Transport: Packet Mode

March 1998

ABSTRACT:

This technical report specifies the default values for VPI/VCI pairs when used in the ADSL Forum FUNI Mode transport for frames over an ADSL Link.

Default VPI/VCI Addresses for FUNI Mode Transport: Packet Mode
TR-008
March 1998

1.0 Introduction

This technical report defines the default values for VPI/VCI pairs to be used in the absence of any other FUNI address selection mechanism when transporting frames over an ADSL link using FUNI mode[1]. It is intended to complete paragraph 3.1.2 of TR-003, entitled "Address Assignment." This is one document in a series of ADSL Forum technical reports that address transferring variable length frames over an ADSL link. Existing documents include:

- "Framing and Encapsulations Standards for ADSL: Packet Mode", ADSL Forum TR-003.

Future documents in this specification series will describe:

- packet mode reference model
- packet mode service model examples
- address management for FUNI mode transport (this document)
- channelization for DMT and CAP ADSL line codes (WT-017)
- signaling for SVC setup
- management requirements.

This series of documents is required to insure multivendor interoperability for ADSL links.

2.0 VPI/VCI Assignments

The values defined below should be used for transporting FUNI frames across an ADSL link. Other addresses for end-to-end ATM transport should follow existing ATM Forum standards that reserve and specify certain VPI/VCI values.

2.1 Data Transport

In the absence of any data channel address mechanism and for implementations supporting a single data session, an ADSL end point operating in FUNI mode MUST transfer user data using the default VPI=1 and VCI=32 values in the FUNI address field. Provisioning may be used to select one or more alternative VPI/VCI values for any user data transport.

2.2 Specific Channel

The Vendor Specific Channel defined in Section 4.4 of [1] MUST be carried in FUNI frames with VPI=1, VCI=33 values in the FUNI address fields. This VPI/VCI pair is reserved and MUST NOT be used for any other purpose when operating in FUNI mode.

2.3 Frame Layer Management Channel

Information related to the performance and configuration of the framing (FUNI) layer MUST be carried in FUNI frames with VP=0 as required for OAM cells.

3.0 References

[1]   ADSL Forum, "Framing and Encapsulations Standards for ADSL: Packet Mode", ADSL Forum TR-003, Version 1.0.