

# **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.

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## 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.