ITU Telecommunication Standardization Sector
Study Group 15
Experts Group for Video Coding and Systems in ATM and Other Network Environments

Document AVC-623
March 8, 1994

SOURCE: Chia-Chang Li, AT&T Bell Laboratories
TITLE: Draft skeleton text of H.32X
PURPOSE: Discussion

This document provides a draft skeleton text for the following recommendation:

Recommendation H.32X: Broadband audiovisual communication systems and terminal equipment

Section	Key items
1. Scope	- Audiovisual communication systems and terminal equipment in ATM (B-ISDN) environments
2. Definitions	
3. System description	
3.1 Applications	- Conversational services - Distributive services - Retrieval services - Messaging services
3.2 System configuration	- System configuration diagram indicating constituent elements and corresponding Rec.
3.3 Communication Mode	- Symmetric/Asymmetric - Bitrate class - CBR/VBR - Video Coding (Profiles and levels and specific parameter values) - Audio Coding
3.4 Multimedia multiplexing and synchronization	- H.22X - Recovery of various clocks

3.5 AAL
- I.363
- Choice of AAL Type and options (depending on terminal type?)

3.6 Terminal Type

3.7 Point to point communication

3.8 Multipoint communication
- Use of B-ISDN services such as multicasting
- Use of AV servers such as MCU
- System solution for the mixture of H.32X and H.320

4. Call/Connection Controls

4.1 End-to-end control
- H.23X
- Choice of Control & Indication Signals; relevance to MPEG DSM CC

4.2 End-to-end communication procedures
- H.24X

4.3 Call control
- AV42X

5. Terminal equipment

5.1 Environments

5.2 Audio source and arrangement

5.3 Video source and arrangement
- Picture format
- Format conversion for interregional communication (informative)

5.4 Data and other auxiliary equipment

5.5 Optional enhancements

5.6 Error resilience
- Video layer
- Multimedia multiplex layer

6. Intercommunications

6.1 Intercommunication between different terminal types

6.2 Intercommunication with N-ISDN terminals

- H.320 connected to N-ISDN
- H.320 emulation mode is mandatory (switchable)

6.3 Intercommunication with telephony

6.4 Intercommunication with audiovisual terminals connected to other networks

- H.32Y for H.320 adaptation to B-ISDN
- H.32Z for LANs