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Title: Draft skeleton text for H.32Y
Purpose: Discussion

Recommendation H.32Y: Adaptation of H.320 terminals to B-ISDN

Section titles & Key items

1. Scope

- Use of exiting H.320 visual telephone terminal equipment in the B-ISDN environments
- An H.32Y terminal talks with a same type of terminal accommodated in B-ISDN or an H.320 terminal accommodated in N-ISDN
- H.32Y is a subset of H.32X, because H.32X should support interworking with existing H.320 terminals as a mandatory requirement.

2. Definitions

3. System description

3.1 Applications

- Conversational services
(- Distributive services???)
- Retrieval services
(- Messaging services???)

3.2 System configuration {see Figure 1/I.413 as attached}

- Reference to T, S, R points
- Reference configuration: Terminal Adaptor + H.320 terminals (two box configuration), or dedicated terminal (one box configuration)?
- In the former case, interface specifications for the junction point of the two boxes can be suggested?

3.3 Protocol stack

- Illustration for the inside of the boxes mentioned in 3.2
- Constituent elements and corresponding Rec.

3.4 Terminal type

- Bit rate class (B/H0/H1)?

3.5 Point to point communication

3.6 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.32Y/H.320

4. Infrastructure

4.1 Audio coding

- G.711, G.722, G.728

4.2 Video coding

- H.261

4.3 Multimedia multiplexing and synchronization

- H.221

4.4 AAL

- Type 1, circuit emulation (private network connected B-ISDN supports this service?)
- Cell loss correction if bit rate ≥ 384 kbit/s ?

4.5 End-to-end control

- H.230
- Choice of Control & Indication Signals

4.6 Communication procedures

- H.242

4.7 Call control

- AV42X (Reference to Q-series Recommendations?)

5. Terminal equipment

5.1 Environments

5.2 Audio source and arrangement

5.3 Video source and arrangement

- Picture format: QCIF and CIF

5.4 Data and other auxiliary equipment

5.5 Optional enhancements

5.6 Error resilience

- Video layer: BCH in H.261
- Error handling functions in AAL

6. Intercommunications

6.1 Intercommunication between different terminal types

- Depending on bit rate class?
- H.32X terminals connected to B-ISDN

6.2 Intercommunication with N-ISDN terminals

- H.320 terminals connected to N-ISDN

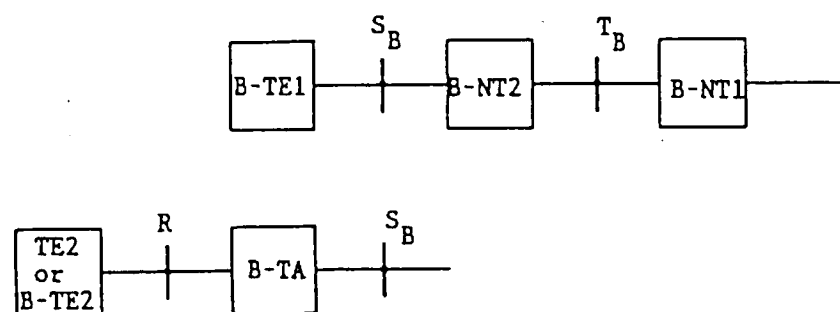
6.3 Intercommunication with telephony

- General question of telephone support in B-ISDN

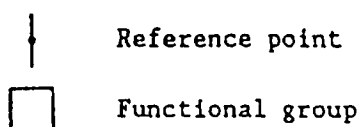
6.4 Intercommunication with audiovisual terminals connected to other networks

- H.32Z for LANs

END



TI11390-90



B-TA Broadband terminal adaptor
B-TE Broadband terminal equipment
B-NT Broadband network termination

FIGURE 1/I.413

B-ISDN reference configurations