Telecommunication Standardization Sector

Study Group 15

Experts Group for ATM Video Coding (Rapporteur's Group on Part of Q.2/15) Document AVC-696

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SOURCE : JAPAN

: An example of call setup procedure in a H.32Z TITLE

terminal

Purpose : Information

1. Introduction

The call setup procedure in a H.32Z terminal is not clear yet. This document shows an example of call setup procedure between a H.32Z terminal and a H.320 terminal.

2. Physical connection
Figure 1 shows physical connection between a H.32Z terminal and a H.320 terminal [1]. Several H.32Z terminals are connected to an internet LAN. Each H.32Z terminal has its own IP (Internet Protocol) address (A-2, A-3...) and a ISDN sub-address (B-1-1, B-1-2...).

A gateway that connects H.32Z terminals to a H.320 terminal has an IP address (A-1) and a ISDN address (B-1). The gateway also has a conversion table between H.32Z terminal's IP address and ISDN subaddress. For example the conversion between ISDN sub-address A-2 and IP address B-1-1 is done by using this table.

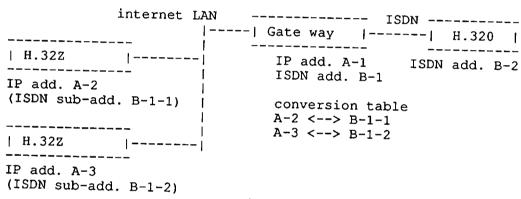


Fig. 1 Physical connection

Signaling procedure

Figure 2 shows call setup procedures. The H.32Z terminal should know the gateway's IP address and a H.320's ISDN address. On the other hand a H.320 terminal should know the gateway's ISDN address (Mandatory) and the H.32Z's sub-address (Option).

The notification is as follows;

- A combination of the H.32Z terminal and the gateway works as a H.320 terminal that has ISDN sub-address.
- Call setup procedure between the H.32Z terminal and the gateway is terminated at the gateway and does not have influence on H.320 specification.

H.32Z	Gateway	H.320
H.32Z calling add.;B-1-1 specific called add.;B-2 signaling >	Gateway	Q.931
IP packet source add.; A-2 dest. add.; A-1 >	LAP-D LAP-D packet	LAP-D
LAN LAN packet	LAN D channel ISDN conv. >	ISDN D-ch.
(a) Call setup from H.32Z to H.320		
H.32Z	Gateway	н.320
specific called add.;B-1-1 signaling <	protocol calling add.;B-2 conversion called add.;B-1-1	Q.931
<	IP packet	LAP-D
LAN LAN packet	LAN D channel ISDN conv. <	ISDN D-ch.
(b) Call setup	from H.320 to H.32Z	
H.32Z conversion Q.931 specific signaling over internet TCP/IP packet over ISDN D-channel <>		

Fig. 2 Call setup between a H.32Z terminal and a H.320 terminal

4. Conclusion

This document shows an example of call setup procedure in $\rm H.32Z.$

The notification is as follows;

- A combination of the $\rm H.32Z$ terminal and the gateway should work as a $\rm H.320$ terminal.
- Call setup procedure between the H.32Z terminal and the gateway is terminated at the gateway and does not have influence on H.320 specification.

(Whether this procedure should be defined by this group needs further study.)

Reference

[1] AVC-683; D. G. Morrison, Recommendation H.32Z, Singapore, Nov. 1994.