CCITT SGXV
Working Party XV/1
Specialists Group on Coding for Visual Telephony

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SOURCE: DRAFTING GROUP
TITLE : DRAFT H.13x (AV.222)

This document provides a draft for Recommendation H.12x concerning frame structure for 384-2048 kbit/s channels in Annex. The content has already been covered by the first draft of H.12x. It is separated as an independent Recommendation in accordance to draft Recommendation H.200, framework for audiovisual services recommendations.

Since this draft contains necessary minimum, proposals for elaboration are welcome toward finalization.

Annex

Frame Structure for 384-2048 kbit/s Channels in Audiovisual Teleservices

1. Scope

This recommendation provides a mechanism to multiplex multimedia signals such as audio, video, data, Control & Indication etc. for audiovisual teleservices using an nx384 kbit/s (n=1-5) channel.

2. Basic Structure

The multiplex structure is based upon multiple octets transmitted at 8 kHz as in Recommendation I.431.

An nx384 kbit/s channel consists of 6xn timeslots of 64 kbit/s (see Fig. 1). The first 64 kbit/s timeslot has a frame structure conforming to Recommendation H.221, containing Frame Alignment signal (FAS), Bit rate Allocation Signal (BAS) and Application Channel (AC).

3. BAS Codes

Particular codes for allocating audio, video and data signals in an nx384 kbit/s channel are given in Table /Annex 1 to Recommendation H.221 for Attribute '001'.

4. Data Transmission

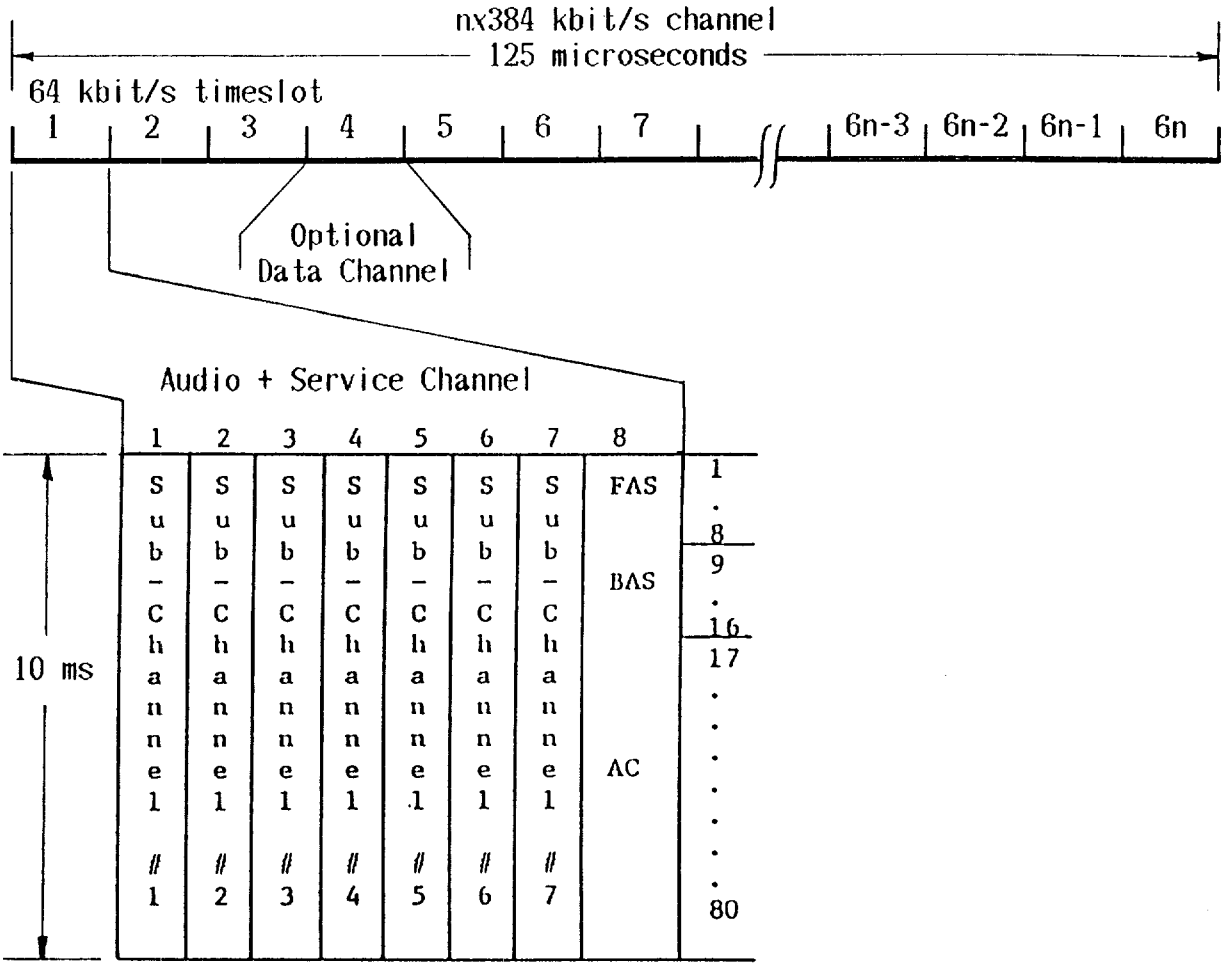
A 64 kbit/s data channel can be allocated to the fourth timeslot in the nx384 kbit/s channel if controlled by the corresponding BAS code.

Provision of more than one 64 kbit/s data channels is for further study.

5. Bit Assignment in Application Channel

Application Channel conveys Control & Indication Signals, message channel, etc. for audiovisual teleservices using nx384 kbit/s transmission. Bit assignment is for further study.

END



FAS: Frame Alignment Signal (note)
BAS: Bitrate Allocation Signal
AC: Applicaion Channel

Note: The block termed as FAS also contains information other than for frame alignment purposes.

Figure 1/H.13x Frame structure for nx384 kbit/s audiovisual teleservices