SOURCE: Geoff Morrison, BT Labs
TITLE: Updated draft H.32Z following Grimstad meeting
PURPOSE:

Recommendation H.32Z

VISUAL TELEPHONE SYSTEMS AND TERMINAL EQUIPMENT
FOR LOCAL AREA NETWORKS

{Ed. Text within curly brackets beginning "Ed" is not part of the Recommendation, but serves to hold notes, questions etc by the editor.}

{Ed. This framework is taken directly from H.320. Perusal of H.320 shows that §3.3 and §3.4 constitute the major part and are concerned with all the various modes and set-up. To interwork with H.320 all this will need to be repeated or referenced in H.32Z. Use of something other than H.221 on the LAN will require the design and validation of this alternative and the translations necessary at the LAN/ISDN interface. Direct "encapsulation" of the H.320 bit stream begins to look attractive! If that is the chosen route then H.32Z will look very different from the framework here. This point must be decided before much of the new parts of the Recommendation can be fleshed out.}

{Ed. It is intended that those sections which are identical to H.320 will not be repeated in full, but merely referenced.}

1   Scope

This Recommendation covers the technical requirements for narrow-band visual telephone services defined in H.200/AV.120-Series Recommendations, in those situations where the transmission path includes one or more Local Area Networks (LAN), each of which is configured to provide guaranteed bandwidth. {Ed. "guaranteed bandwidth" to be added when its precise meaning is agreed}. Examples of such LANs are those conforming to at least one of the following specifications: IEEE 802.9, {Ed. Others to be inserted here.}

Systems and terminal equipment complying with this Recommendation are able to interwork with those complying with Recommendation H.320.
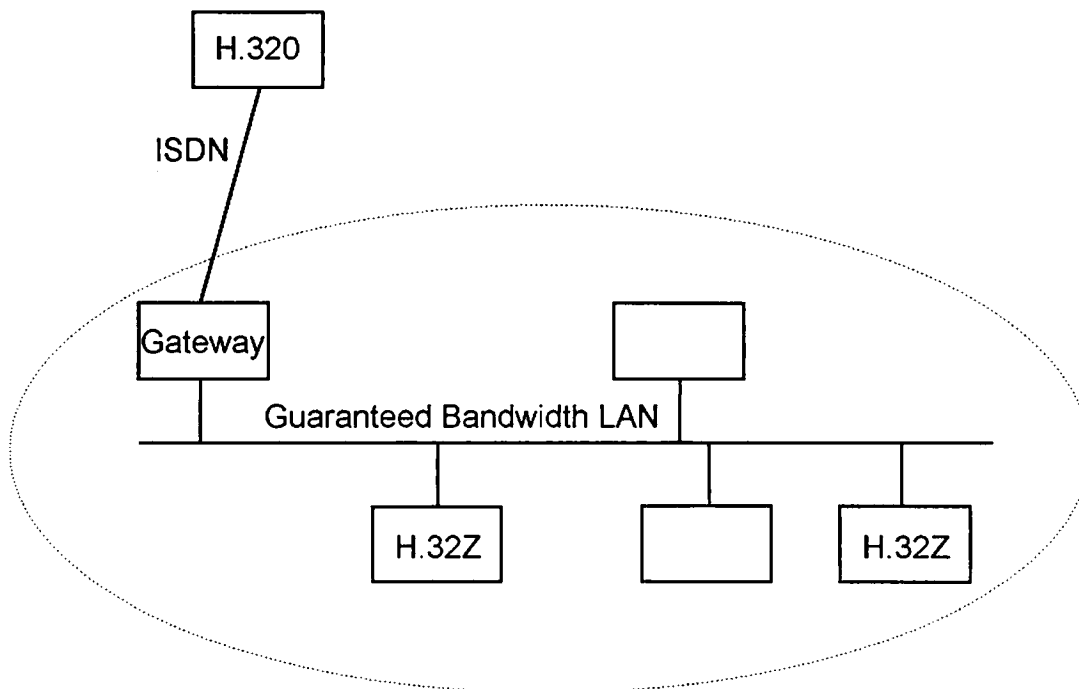

FIGURE 1/H.32Z

{Ed. What needs to be specified for the gateway and should the necessary be part of H.32Z or another recommendation? See §8.}

2 Definitions

{Ed. If stand-alone, probably all definitions in H.320 will be repeated here. Any new ones specific to H.32Z?}
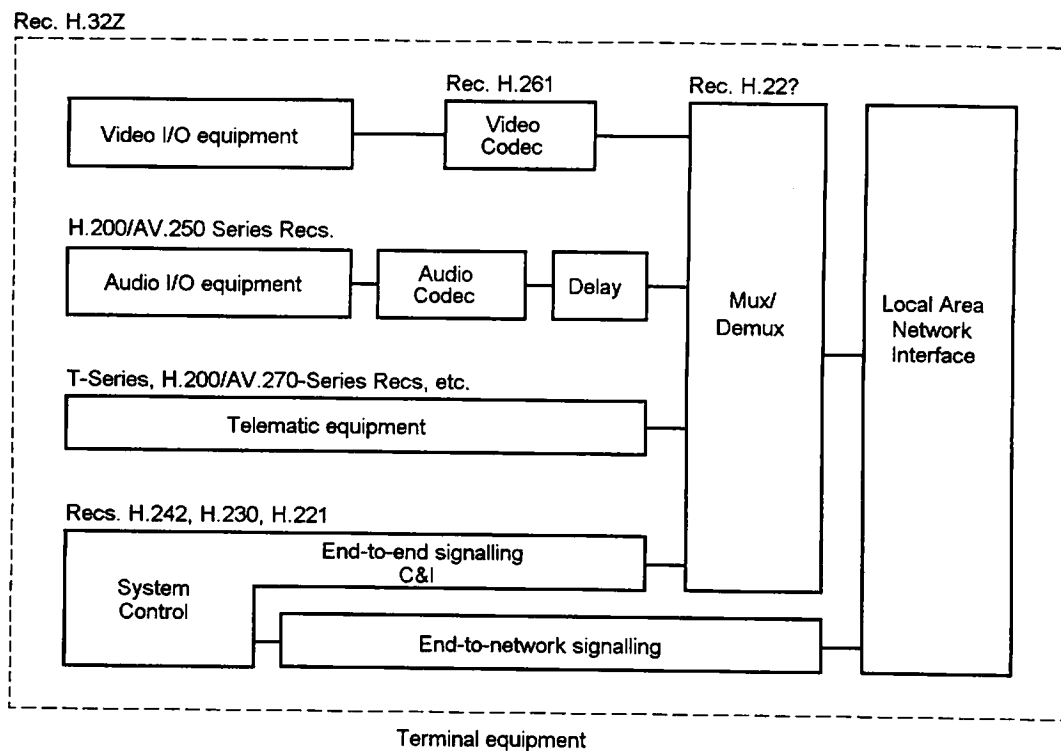
Rec. H.32Z

Terminal equipment

FIGURE 2/H.32Z

{Ed. Diagram has been take from H.320 with few changes and is only intended to be a starting point. Items requiring major focus are the multiplex - H.221 or other (see AVC-587) and network interface.

3 System Description

3.1 Block diagram and identification of elements

{Ed. As §3.1 of H.320 but change I.400 in final sentence?}

3.2 Signals

{Ed. As §3.2 of H.320 but change final bullet to reflect additions if H.221 not used on LAN.}

3.3 Bit rate options and infrastructure

3.3.1 Communication modes of visual telephone.

{Ed. As §3.3.1 of H.320 for connection to H.320 off-LAN? Allow other modes for on-LAN H.32Z to H.32Z?}

3.3.2 Terminal types of visual telephone

{Ed. Need §3.3.2 of H.320 for connection to H.320 off-LAN. New types for on-LAN H.32Z to H.32Z?}

3.3.3 Video codec

As per Recommendation H.261.

{Ed. This section put here just as a holder for the meantime.}

Functionalities required:

ISDN side Interface

LAN side interface

MCU capabilities?

Numbering, translations.