

Source: Rapporteur for Q.2/15 (Sakae OKUBO)

Title: Report of the Study Group 15 meeting held during 6-17
February 1995

This is to quickly report the outcome of Working Party 1/15
meeting (7-15 February) and Study Group 15 meeting (6, 16, 17
February), highlighting the issues of our concern.

1. H.262|ISO/IEC 13818-2 and H.222.0|ISO/IEC 13818-1
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SG15 has decided to apply Resolution No. 1 to these two common
text Recommendations. In about four months, they will be approved
through the balloting procedure defined by Resolution No. 1.

2. H.222.1, H.24X, H.32Y, H.32Z.1
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SG15 agreed that these drafts are stable, subject to further
editorial improvements, and determined to apply Resolution No. 1
at the next meeting in November 1995. (Note that the approval by
Resolution No. 1 is a two stage process; the first is called
"determination", the second is called "decision".) Completed
texts should reach ITU-TSB by July 10, 1995. After this date,
modifications should not be made in principle, though changes at
the November meeting are allowed if they are based on
contributions.

I made some changes in response to the comments obtained during
the WP1/15 meeting. Those parts are attached as Annex 1 to this
report. They are mostly to resolve immediate concerns of the
Working Party; deeper consideration is requested to reach the
final text.

3. H.32Z.2
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SG15 agreed to produce H.32Z.2 and H.22Z for non QoS guaranteed
LANs in 1996.

4. H.32X
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After difficult consideration, I made a proposal to defer the
determination by one meeting which SG15 approved. My motivation
was partly to better reflect the ITU-T and outside activities
related to the network service and terminal control aspects, but
mostly to make the draft more matured. We will complete our work
by November 1995 when SG15 will determine to apply Resolution No.
1 at its meeting in May-June 1996. Even so, we need hard work to
accomplish the work, let us fully utilize the six months we have
obtained for H.32X. I am aware that this is against our agreement
at the Kamifukuoka meeting, but I am also concerned that
fundamental changes after July 10 would cause procedural
difficulty in November 1995.

Actions to the draft Recommendation which WP1/15 suggested us are
attached as Annex 2 to this report.

5. New Editors

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Though this is not a matter of SG15, I was advised in Geneva that Mr. Dale Skran (AT&T) and Mr. Gary Thom (DIS) undertake Editors for H.22Z and H.32Z.2, respectively. I am grateful to the two organizations for their support.

6. Recommendation numbers

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The following numbers have been allocated:

H.24X	H.245
H.32X	H.310
H.32Y	H.321
H.32Z.1	H.322
H.32Z.2	H.323
RTI	H.222.2
H.22Z	not yet allocated

7. Alignment between H.24X and H.24P

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WP1/15 guides us to strive for common specifications and bit-level compatibility, subject to the detailed review of AVC and LBC experts. The LBC meeting in Geneva after the March MPEG meeting in Lausanne will be a good chance to make this happen.

8. Cooperation with MPEG

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SG15 agreed to apply the common text for RTI (H.222.2|ISO/IEC 13818-9). It guides us to further consider DSM-CC, seeking harmonization of the work in SG8. Liaison statements to MPEG and SG8 are attached as Annex 3 and Annex 4 to this report, respectively.

9. Other liaison statements

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to SG13 on network performance	as produced at Kamifukuoka
to SG8 on H.24X protocol stack etc.	as produced at Kamifukuoka
to SG11 on Q.2931 signalling	as produced at Kamifukuoka
	plus Dr. Kenyon's paper on
	call control
to SG9 on Draft J.82	Annex 5 to this report
to SG1 on non guaranteed QoS systems	to be distributed by Mr.
	Skran

>>> Annex 1 Changes to Drafts H.222.1, H.24X, H.32Y, H.32Z.1 <<<

H.222.1

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1) Summary - addition

This Recommendation describes the multiplexing and synchronization of multimedia information, for audiovisual communication in ATM environments. This Recommendation specifies the peer-to-peer protocol, and the interactions with the AAL.

2) Section 8 title - correction

H.2221 ==> H.222.1

3) Section 9 - addition

The following Editor's note has been added.

{Ed: This section will describe such functions as bit error correction, jitter removal which are beyond H.222.0 functions. The outline is contained in Figure 3 of TD-45 (1/15), February 1995.}

Referred Figure 3 corresponds to the one in TD-22 (Kamifukuoka).

4) Section 14 - correction

The second last word in the first paragraph:
asynchronous ==> synchronous

5) Appendix II - addition

Note 5) to the figure
- mapping between PS/TS packets and AAL-SDU

H.24X

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1) Summary - addition

This Recommendation specifies syntax and semantics of terminal information messages as well as procedures to use them for the inband negotiation at the start of or during communication. The messages cover receiving and transmitting capabilities as well as mode preference from the receiving end. Acknowledgment is applied to the procedures for secure exchange of messages.

2) Section 5 - addition 1

"in the lower layer" at the end of the third paragraph.

3) Section 5 - addition 2

Before the last paragraph

This Recommendation defines messages and procedures to acknowledge the receipt of capability set and mode request messages for robust communications.

4) Section 7.2 yearOfRecommendation

- 3 -

year of the revision ==> year of the approval or revision

H.32Y

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1) Summary - addition

This Recommendation describes technical specifications for adapting narrowband visual telephone terminals, as defined in Recommendation H.320, to broadband ISDN environments. The terminal conforming to this Recommendation interworks with the same type of terminals (i.e., other H.32Y terminals) accommodated in B-ISDN as well as existing H.320 terminals accommodated in N-ISDN.

2) Title - change

Adaptation of narrowband audiovisual terminals over broadband networks

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Adaptation of H.320 visual telephone terminals to B-ISDN environments

3) Section 1

Delete "audiovisual" from the first line; now it reads "This Recommendation describes technical specifications for adapting narrowband visual telephone terminals, ..."

H.32Z.1

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1) Summary - addition

This Recommendation H.32Z.1 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 and managed to provide a guaranteed Quality of Service (QoS) equivalent to that of N-ISDN such that no additional protection or recovery mechanisms beyond those mandated by Rec. H.320 need be provided in the terminals. It is noted that projected Recommendation H.32Z.2 addresses the use of some other LANs which are unable to provide the underlying performance assumed by this H.32Z.1 Recommendation.

2) Section 1 - addition

After the third paragraph:

{Editor's note: Reference to IEEE and ANSI standards are to be replaced with corresponding international standards if available.}

3) Section 1 - deletion

Sixth paragraph third last sentence

"and without involving the gateway"

Sixth paragraph last sentence

"The gateway may be omitted if communication with terminals not on the same LAN is not required."

The whole paragraph now reads:

"Systems and terminal equipment complying with Recommendations H.32Z.1 and H.32Z.2 are able to interwork with each other and with those complying with Recommendations H.320 and H.32Y. The concept is shown in Figure 1/H.32Z.1 in which any terminal can be connected to any other. The H.32Z.1 or H.32Z.2 gateway unit provides an interconnection between the LAN and the Wide Area Network (WAN) which may be N-ISDN or B-ISDN or both. An H.32Z.1 terminal communicates with another H.32Z.1 terminal on the same LAN directly. The gateway may be connected via N-ISDN or B-ISDN to other gateways and LANs to provide communication between H.32Z.1 terminals which are not on the same LAN. "

Editor is invited to come up with better wording since the deletion was the simplest way to meet the questions of the WP1/15 participants (S. Okubo).

4) Section 2 - correction

"H.32Z" in the second paragraph and Figure 3 should read "H.32Z.1."

5) Section 2 - deletion

The last sentence in the second paragraph: "Any other N-ISDN terminal may be substituted for the H.320 terminal."

Editor is invited to come up with better wording since the deletion was the simplest way to meet the questions of the WP1/15 participants (S. Okubo).

H.32X
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The following summary is provided:

This Draft Recommendation covers the technical requirements for the systems and terminals of broadband audiovisual communication services. The video and audio coding and other technical aspects that are applicable to more than one distinct services are covered in H.200/AV.200-Series Recommendations and this Recommendation specifies what of them are used for the broadband audiovisual communication systems and terminals.

