

Source: Rapporteur (Sakae OKUBO)  
Title : Quick report of the SG15 meeting in Geneva  
Purpose: Report

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## 1. Interdiction

This document reports the outcome of the SG15 meeting held in Geneva during 13-24 November, focusing on the items of the AVC Experts Group responsibility.

## 2. Decision of Draft Recommendations

The final plenary on 24 November decided that the following Recommendations are put to the Resolution No.1 balloting procedures:

H.222.1  
H.245 (USA requested the six week reservation)  
H.321  
H.322

Agreed changes against white contributions are contained in Annexes to this document.

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Rec.	White	Agreed changes
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H.222.1	COM 15-156-E	Annex 1
H.245	COM 15-155-E	Annex 2 (but this contains only changes made during the WP1/15 meeting, see the clean version to be stored in the AVC ftp site)
H.321	COM 15-157-E	Annex 3
H.322	COM 15-158-E	Annex 4
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Note that the following Draft Recommendations were also decided:

revision of H.231  
revision of H.242  
revision of H.243  
revision of H.320  
H.223 (USA requested the six week reservation)  
H.263  
H.324 (USA requested the six week reservation)  
G.723.1 (formerly G.723)

## 3. Determination of Draft Recommendations

The final plenary on 24 November determined that the following Recommendations will be decided at the next SG15 meeting in May 1996:

H.225.0 (formerly H.22Z)  
H.310  
H.323

New drafts produced by WP1/15 will be made available through the AVC ftp site. As to the use of RTP in H.225.0, SG15 instructed that reference to RFC is not appropriate, it should be annexed based on the IETF (member of ITU-T) contribution. As to the use of MPEG1 audio in H.310, support of Layer 2 is now mandated.

The following Draft Recommendations were also determined:

Annexes A, B, C to G.723.1  
Amendments to H.222.0  
Amendments to H.262

Note that Corrigenda (Corrigendum 1 finalized and Corrigendum 2 produced at the MPEG Dallas meeting) will be for approval at the next SG15 meeting in May 1996 awaiting finalization of Corrigendum 2 in MPEG. See Annex 5 to this document for a liaisons statement to MPEG reporting the status of common text Recommendations | International Standards.

Note also that SG15 does not seek the common text approach to ISO/IEC 13818-9. See Annex 5.

#### 4. Questions for the next study period

We will formulate Questions in two dimensional way; vertical Questions addressing systems in particular network environments, horizontal Questions addressing harmonization between different systems and/or services. The following initial drafts were produced.

##### Vertical Questions

- Q.A Multimedia terminals transmitting at very low bitrate
- Q.B N-ISDN audiovisual communication systems
- Q.C B-ISDN multimedia terminals
- Q.D LAN multimedia terminals

##### Horizontal Questions

- Q.X Harmonization and interworking of multimedia applications and services
- Q.Y MCUs, call control and service interworking
- Q.Z Advance media coding

Our discussion at the Yokosuka meeting was reflected in these initial drafts.

#### 5. Other topics

1) Consideration of new audiovisual coding (G.723.1, H.262, H.263) in H.320 was agreed. The objective is to fix specifications at the next meeting of SG15 in May 1996.

2) Interworking among different audiovisual communications systems accommodated in different networks will become a study item of priority. This includes definition of gateways. See

Q.X above.

3) Reply to a liaison statement from SG13 regarding ATM network performance is left to the Experts Group.

4) SG15 endorsed the holding of experts group meetings: one for AVC (16-19 Jan. 1996) and two for LBC (9-12 Jan. 1996 and 23-26 Apr. 1996).

- END -

-----[ Annex 1 ]-----

#### Agreed changes to H.222.1

1. Section 2, p.4

Add the following reference:

[16] ITU-T Recommendation Q.2931 (199X) - B-ISDN Digital Subscriber Signalling System No. 2 (DSS 2) User Network Interface Layer 3 Specification for Basic Call/Connection Control.

2. Section 10.2, p.10

Add the following as the third paragraph:

It is an implementation option as to whether a corrupted AAL type 5 CPCS-PDU is discarded, or whether a corrupted AAL type 5 CPCS-PDU is passed to H.222.1.

3. Section 10.2.1, pp.10-12

Replace the current text with Annex to this document.

{Okubo: Annex is as in AVC-859, thus not contained here.}

4. Section 14.2.5, p.22

In the semantic definitions of the first four fields (SC\_PESPktR, SC\_TESPktR, SC\_TSPktR, SC\_byterate), change "If \_" to "If not equal to".

5. Section 14.2.5, p.22

Add following as the final sentence in each of the four paragraphs (SC\_PESPktR, SC\_TESPktR, SC\_TSPktR, SC\_byterate), respectively,

If SC\_PESPktR is equal to 0xffffffff, the PES interpacket duration is unspecified.

If SC\_TESPktR is equal to 0xffffffff, the TES interpacket duration is unspecified.

If SC\_TSPktR is equal to 0xffffffff, the Transport Stream interpacket duration is unspecified.

If SC\_byterate is equal to 0x3fffffff, the PES interbyte duration is unspecified.

6. Section 14.2.5, p.22

For the semantic definition for vbv\_delay\_flag, add reference number for H.262; (see H.262 [9]).

-----[ Annex 2 ]-----

#### Agreed changes to H.245

Page numbers refer to those in the H245NCM3.DOC version.

1. P.3, Definition

Change two "Steam" to "Stream" in Elementary Stream.

2. p.15, H263VideoCapability

Change "hrd-BKb" to "hrd-B".

Change "maximumBitsPerPicture" to "BPPmaxKb".

3. p.32, Miscellaneous H.230 like commands

Change "multipointModeSymmeterize" to "multipointModeCommand".

Change "cancelMultipointModeSymmeterize" to "cancelMultipointModeCommand".

4. p.50, Section 7.4.1, MultiplexElement

Change two "segment" to "slot".

5. p.57, Section 7.9.5 Miscellaneous Command, 3rd and 4th paragraphs

Replace with the following:

"multipointModeCommand commands that a terminal in receipt shall comply with all requestMode requests issued by the MCU. An example of a mode change is an audio coding change from G.711 to G.728.

cancelMultipointModeCommand cancels a previously sent multipointModeCommand command."

6. p.41, H263VideoCapability

Change "hrd-BKb" to "hrd-B".

Change "maximumBitsPerPicture" to "BPPmaxKb".

-----[ Annex 3 ]-----

#### Agreed changes to H.321

1. Global changes from "should" to "shall"

Change all "should" to "shall" except for only one case; Section 4, page 8, 2nd paragraph, 1st sentence. Specifically,

- p.9, TABLE 1, NOTE 2, 2nd line
- p.12, Section 5.6, last paragraph, 2nd line
- p.13, Section 5.6.1, 4th line
- p.14, Section 5.6.1, 1st line

- p.14, Section 5.6.2, Item b), 3rd line
- p.14, Section 5.7, 2nd paragraph, 1st line
- p.18, TABLE 2, NOTE 1, 2nd line
- p.18, TABLE 2, NOTE 4, 2nd line
- p.18, TABLE 2, NOTE 5, 2nd line
- p.19, Section 7.1, 1st paragraph, 1st line
- p.20, Section 7.2, 2nd paragraph, 1st line
- p.20, Section 7.4, 1st paragraph, 1st line

2. Section 2, Reference of H.310, H.322

Change the date in parentheses to "1996".

3. Section 2, Reference of Q.2931

Replace "ITU-T SG11/WP2 working document, July 1994, Edinburgh" with "(1995)".

4. Section 4.4, p.10, 3rd paragraph

Delete the text between the two commas: ", and when ... (e.g., 128 kbit/s),".

5. Section 4.4, p.10, Item 1)

Add at the end "The specification of this case is under study."

6. Section 5.6.1, p.14

At the end of the last sentence, add a footnote; "It is important to distinguish between the SDT mode and the SDT pointer. According to I.363 the SDT pointer is always used in the SDT transfer mode except for the single B channel case."

7. Section 5.6.1, p.14

Add the following sentence and a footnote at the end of Section 5.6.1; "To ensure compatibility with ITU-T Recommendation I.580, the SDT pointer must also be sent in a single VC carrying a single H0, H11 or H12 ISDN channel\*."

Footnote \* This is true for all three cases in Figure 4; a), b) and c)."

8. Section 5.7, p.14, 1st paragraph

Change "Q.2931 23" to "Q.29313".

-----[ Annex 4 ]-----

#### Agreed changes to H.322

Change the following to dotted lines instead of solid lines which happened due to conversion between Word for Windows and Mac:

- circles labeled "Scope of H.322" and "Scope of H.323" in FIGURE 1.
- outer box labeled "Rec. H.322 Terminal equipment" in FIGURE 2

- outer box labeled "H.322 Terminal" in FIGURE 3

-----[ Annex 5 ]-----

# Liaison statement to MPEG

QUESTIONS: Q.2, 3/15  
SOURCE: ITU-T SG15 (Geneva, 13-24 November 1995)  
TITLE: Common Text Recommendations | International  
Standards

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## LIAISON STATEMENT

TO: ISO/IEC JTC1/SC29/WG11  
APPROVAL: Approved by Study Group 15  
FOR: Information  
DEADLINE: -

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We appreciate the excellent technical work of MPEG in the area of audiovisual coding which have been achieved in collaboration with the experts of ITU-T Study Group 15. This liaison statement reports the current status of common text Recommendations | International Standards in ITU-T.

1. ITU-T Rec. H.222.0|ISO/IEC 13818-1, ITU-T Rec. H.262|ISO/IEC 13818-2

ITU-T approved these two Recommendations | International Standards on 10 July 10 1995 and are now under the publication process.

2. Amendments to H.222.0|ISO/IEC 13818-1

We have determined at this meeting to decide at the next meeting in May 1996 the application of Resolution No.1 to the two Amendments regarding the registration of format identifier and copyright identifier. This is in accordance of the two stage approval process defined in Resolution No. 1. Please note that the reference to this Recommendation | International Standard should read "ITU-T Rec. H.222.0|ISO/IEC 13818-1" instead of "ISO/IEC 13818-1".

3. Amendments to H.262|ISO/IEC 13818-2

We have determined at this meeting to decide at the next meeting in May 1996 the application of Resolution No.1 to the two Amendments regarding the registration of copyright identifier and the 4:2:2 profile awaiting the finalization of the latter at your meeting in January 1996. Please note that the reference to

this Recommendation | International Standard in Amendment 1  
should read "ITU-T Rec. H.262|ISO/IEC 13818-2" instead of  
"ISO/IEC 13818-2".

#### 4. Corrigenda to H.262|ISO/IEC 13818-2

We have reviewed Corrigendum 1 and Corrigendum 2 at this meeting. Study Group 15 intends to approve these two corrigenda together at the next meeting in May 1996 awaiting finalization of Corrigendum 2 at your meeting in March 1996.

#### 5. Real Time Interface Specification ISO/IEC 13818-9

After having reviewed the outcome of your Dallas meeting in November 1995 addressing low jitter, we have decided not to seek the common text approach to this specification in the interest of more jitter prone environments of the ATM networks.

-----[ End of Annexes ]-----