

Source: Rapporteur for Q.2/15 (Sakae OKUBO)
Title: Report of the SG15 meeting regarding audiovisual systems
Purpose: Report

1. Decided Draft Recommendations

- ^^
- Amendments to H.222.0|ISO/IEC 13818-1 (format identifier, copyright identifier)
 - H.225.0
 - Amendments to H.262|ISO/IEC 13818-2 (copyright identifier, 4:2:2 Profile)
 - H.323
 - Annex A to G.723.1 (silence compression)
 - Annex B to G.723.1 (floating point arithmetic)
 - Annex C to G.723.1 (scalable channel coding)

H.310 will be decided (or rejected) after the advice of France which requested the six weeks reservation.

These decided Draft Recommendations will be put to the three months letter ballot.

2. Approved corrigenda

- ^^
- Corrections to the defects in H.245
 - Corrigenda to H.262|ISO/IEC 13818-2 (Corrigendum 1, 2)

The SG15 approval is final (without further ballot).

The issue of H.245 dual masters (TSB paper master vs h245ncm4.doc) has been resolved; ITU-T will publish the definitive Version 1 which incorporates the approved corrections into h245ncm4.doc.

3. Determined Draft Recommendations

- ^^
- Revision of H.221 (inclusion of new audiovisual coding etc.)
 - Annex A to H.223 (for error prone environments)
 - Revision of H.230 (inclusion of new audiovisual coding etc.)
 - Revision of H.231 (inclusion of new audiovisual coding etc.)
 - Revision of H.242 (inclusion of new audiovisual coding etc.)
 - Revision of H.243 (inclusion of new audiovisual coding etc.)
 - Revision of H.245 (Version 2 covering H.323 and other requirements))
 - Appendix II to H.263 (error tracking)
 - Revision of H.320 (inclusion of new audiovisual coding etc.)
 - Annex C to H.324 (terminals for error prone channels)

These will be decided/approved at the next SG meeting (may or may not be SG15 depending on the WTSC outcome).

Please note that inclusion of H.262 in the H.320 systems requires definition of a new syntax to support video-frame synchronous C&I signals. The currently proposed syntax is in Annex to this summary report which should be generalized and consulted with MPEG.

4. Preparation of the new study period 1997-2000 ^^

4.1 New Questions

The following six Questions are proposed for the consideration of WTSC:

- Q.1/15: Circuit Switched Network (CSN) Audiovisual Communication Systems and Terminals
- Q.2/15: B-ISDN Multimedia Systems and Terminals
- Q.3/15: Packet Switched Multimedia Systems and Terminals
- Q.4/15: Common Protocols, MCUs and Protocols for Interworking with H.300 series Terminals
- Q.5/15: Advanced Video Coding
- Q.6/15: Harmonization of multimedia applications and services

Their contents are found in NEW_QUES.DOC in the GCL ftp site.

4.2 Reorganization

Appropriate study organizations for AVMMS (audiovisual multimedia) matters were discussed at the Working Party and Study Group levels. Desires for establishing a dedicated SG were expressed, but there was also a conservative atmosphere at the top management. We have to see what will happen in the TSAG meeting next month and the WTSC next October.

5. Liaison statements ^^^^^^^^^^^^^^^^

The following liaison statements were approved:

- to SG8 regarding T.130 and H.300 Recommendations
- to SG9 regarding consideration of J.82 in H.310
- to SG11 regarding AAL indication in B-LLI
- to ATMF regarding the progress made and backward compatibility

6. Interregnum activities ^^^^^^^^^^^^^^^^

SG15 endorsed the following interregnum activities in the form of Rapporteur meetings.

6.1 LBC meetings for mobile system and other studies

- 15-18 July 1996 in UK
- 11-14 November 1996 in USA
- 17-20 February 1997 in Europe

6.2 Joint Q.2&3/15 Rapporteur meetings

- September 1996 in Europe
- December 1996 in USA
- March 1997 in USA

Their objectives are in Annex 2 to this summary report.

Please note that the first meetings of various SGs are planned as follows:

- SG8 February 1997
- SG13 February 1997
- SG1 February 1997
- SG14 March 1997
- SG15 April 1997
- SG9 April 1997

END of the main body

Annex 1

Syntax for video-frame synchronous C&I signals in H.262

The H.262 bitstream syntax does not have a structure with the functionality of an H.261 Picture Header PTYPE field. Flags for the indication of Split Screen, Document Camera, Freeze Picture Release, Source Format and Annex D Graphics are not part of the H.262 bitstream syntax. In order to provide this functionality, a new picture extension type, "Picture ITU-T H.320 Extension ID", is defined and added to Table 6-2 of Recommendation H.262 as follows:

```

picture_ITU-T_H320_extension {
    0x000001B5    32 bits    extension_startcode
    0xB           4 bits    extension_start_code_identifier
    1             1 bit     marker_bit
    PTYPE         8 bits    as defined in Recommendation H.261
    while (nextbits() == '1' ) {
        1         1 bit     marker_bit
        reserved  16 bits
    }
    next_start_code()
}

```

Editor's note: This syntax need be further considered and consulted with ISO/IEC JTC1/SC29/WG11.

"picture_ITU-T_H320_extension" is only transmitted when the information must be changed from its current value. Still image transmission using the format specified in Annex D/H.261 is not an allowable mode of H.262.

Annex 2

Objectives of the Joint Q.2&3/15 Rapporteur Meetings

Exact dates and places are yet to be fixed.

1. September 1996 in Europe

Joint meeting sessions with the Q.8/10 Rapporteur meeting are intended.

*** Interworking and harmonization aspects

- 1) Communication control and its harmonization with T.130-series Recommendations
- 2) Guidelines for intercommunication between different network systems - H.interworking
- 3) Guidelines for security system in various networks other than N-ISDN - H.security

*** LAN aspects

- 1) Framework for H.323 Version 2
- 2) Framework for H.225.0 Version 2
- 3) Packetization of new audiovisual streams - H.225.0 Annex E
- 4) Further development of H.24i
- 5) Framework for H.323 security system
- 6) Framework for management system - H.management

*** Broadband aspects

- 1) Framework for H.310 Version 2
- 2) Framework for various type of multipoint systems -
H.bmultipoint
- 3) Framework for H.310 security
- 4) Preparation for studying transport of VBR coded streams -
H.222.1 Annex A

2. December 1996 in USA

*** Interworking and harmonization aspects

- 1) Preliminary draft(s) for interworking functions
- 2) Preliminary draft(s) for security functions

** LAN aspects

- 1) Preliminary draft H.323 Version 2
- 2) Preliminary draft H.225.0 Version 2
- 3) Refinement of draft H.24i
- 4) Preliminary draft for H.323 security
- 5) Preliminary draft for H.management

*** Broadband aspects

- 1) Preliminary draft for H.310 Version 2
- 2) Preliminary draft for multipoint systems
- 3) Preliminary draft for H.310 security
- 4) Transport of VBR coded streams

3. March 1997 in USA

*** Interworking and harmonization aspects

- 1) Second draft(s) for interworking functions
- 2) Second draft(s) for security functions
- 3) Planning for and organization of the experts activities in the new study period

*** LAN aspects

- 1) Draft H.323 Version 2 for determination proposal
- 2) Draft H.225.0 Version 2 for determination proposal
- 3) Draft H.24i for determination proposal
- 4) Draft H.323 security for determination proposal
- 5) Second draft for H.management

*** Broadband aspects

- 1) Second draft for H.310 Version 2
- 2) Second draft for multipoint systems
- 3) Second draft for H.310 security
- 4) Preliminary specifications for transport of VBR coded streams

END of Annexes