

Source: Rapporteur (Sakae OKUBO)
Title : Open Issues towards the Stockholm Meeting
Purpose: for action

This is a list of items which require contributions before the Stockholm meeting. See also Editor's notes in draft Recommendations H.222.1, H.245 (H.24X), H.310 (H.32X), H.321 (H.32Y), H.322 (H.32Z.1).

1. H.222.0
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- 1) Check whether the H.222.0 final version incorporated the items in Annex A to AVC-709; apply the defect report if necessary <4.1/AVC-743R>

2. Video coding and VBR
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- 1) Comments on AVC-732 and 733 regarding pre-transmission of High Priority data <5/AVC-743R>
- 2) Review AVC-734 regarding multiple picture presentation <5/AVC-743R>
- 3) Review functions provided by H.222.1 specific layer <Annex 7/AVC-743R>

3. Network adaptation
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- 1) Allocation of jitter reduction and bit error correction in the network adaptation layers; relevance to the terminal type <6.7.1, Annex 7/AVC-743R>
- 2) Concerns of the ATM Forum regarding the inclusion of FEC <Liaison from SA&A>
- 3) Specific method of bit error correction; frame size, polynomial, etc. <6.4.2/AVC-743R>
- 4) Impact of the FEC frame size on alignment with AAL PDU <Annex 7/AVC-743R>
- 5) Harmonization with the J.82 approach with long interleaver CS <SG15 guidance>
- 6) Use of Q.2931 (outband), H.245 (inband) and DSM-CC for end-to-end signalling; dependence on the terminal type <6.1.2, 6.1.3/AVC-743R>
- 7) Negotiation capabilities of Q.2931 <6.1.2/AVC-743R>
- 8) Control channel; a dedicated VC independent of the audiovisual VC, or time sharing of a single VC; complete pictures of the communication phases for the two cases <6.1.2/AVC-743R>
- 9) Establishment of network adaptation profiles <Annex 3/AVC-743R>
- 10) Definition of default audio, video modes at the start of the call </AVC-743R>
- 11) Error free transport for supporting H.24X communication procedures and T.120-series data for both cases of inside and outside the H.222.0 multiplex; harmonization with LBC and SG8 <6.2, Annex 3/AVC-743R>

- 12) RTI specifications; what are required for ITU-T applications? <12.3/AVC-743R>
- 13) Review of AVC-735 addressing feedback of the estimated network jitter; necessary signalling <6.4.3/AVC-743R>

4. C&I and DSM-CC ^^^^^^^^^^^^^^^^

- 1) C&I signals and their channels <6.1.1/AVC-743R>
- 2) Terminal configuration including DSM-CC <6.1.3/AVC-743R>
- 3) Relevance to the user-network signalling, H.245 <6.1.3, Annex 2/AVC-743R>
- 4) Handling in H.32X; as a terminal type, or a capability set

5. Draft H.222.1 ^^^^^^^^^^^^^^^^

- 1) Extension mechanism for the ITU-T stream_ids; choice from the two proposals <7.1/AVC-743R>
- 2) Use of the acknowledged and unacknowledged procedures; to be specified in H.32X depending on the terminal type? <7.3/AVC-743R>
- 3) Procedures for two-way and one-way communications
- 4) Mandatory specifications <7.4/AVC-743R>
- 5) Clarification of mode switching procedures
- 6) Mapping between TS packets and AAL SDU <6.4.4/AVC-743R>
- 7) Specifications for bit error correction
- 8) Description of the AAL sections
- 9) Security aspects; encryption, conditional access

4. Draft H.24X (H.245) ^^^^^^^^^^^^^^^^

- 1) Harmonization with H.24P (H.246) <SG15 guidance>
- 2) Handling of non capability C&I
- 3) Inclusion of state transition and SDL diagrams?
- 4) Bitstream exchange and verification by simulation
- 5) Coding example(s) for typical case
- 6) Error free transport; protocol stack specifications <Annex 3/AVC-743R>

5. Draft H.32X (H.310) ^^^^^^^^^^^^^^^^

- 1) Interworking modes between H.32X and H.320; confirm the WP1/5 guide <SG15 guidance>
- 2) Relationship between terminal type and support of PS/TS
- 3) Definition of send only terminals <SG15 guidance>
- 4) Definition of data capability
- 5) Definition of transfer rate capability; quantization of bit rates; nx64 kbit/s is sufficient? further quantization is required from implementation point of view?
- 6) Start up bitrate <9.1/AVC-743R>
- 7) Provisions for the piecewise constant VBR; AAL parameters, traffic descriptors <9.1/AVC-743R>
- 8) Algorithm to decide traffic descriptor parameter values to accommodate VBR source information <9.1/AVC-743R>
- 9) Definition of C&I capability; relevance to DSM-CC capability?
- 10) Clarification of video frame synchronous C&I signals
- 11) Review of call setup and subchannel setup procedures in Figure 2
- 12) Definition of MPEG audio capabilities
- 13) Description of "equipment requirements"
- 14) Description of error resilience

- 15) Description of multipoint aspects
- 16) Description of default modes of audio and video operation
- 17) Differences in interface between B-ISDN and ATM LAN

6. Draft H.32Y (H.321)

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- 1) Necessary provisions in Q.2931 <10.2/AVC-743R>
- 2) Use of AAL5 for adaptation of H.320 terminals; configuration and relationship with H.32Y and H.32Z <10.1/AVC-743R>

7. Draft H.32Z.1 (H.322)

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- 1) Interoperability of terminals from different vendors on the same LAN; some more specifications are required? <11.1/AVC-743R>
- 2) Clocking issue <11.1/AVC-743R>

8. Draft H.32Z.2 (H.323), H.22Z

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- 1) Framework for H.32Z.2, study items
- 2) Framework for H.22Z, study items
- 3) Software oriented audio algorithm? <D. Skran memorandum>

9. Second phase work

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- 1) Study items for the next study period (1997-2000) and beyond <12.2/AVC-743R>

References

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- [1] AVC-713 Open Issues towards the Kamifukuoka Meeting (Rapporteur), December 1994
- [2] AVC-743R Report of the Kamifukuoka meeting (Rapporteur), January 1995
- [3] Report of the SG15 meeting (Rapporteur), distributed by e-mail, February 1995

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