ITU Telecommunication Standardization Sector
Study Group 15
Experts Group for Video Coding and Systems
in ATM and Other Network Environments

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

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1. H.222.0, H.262

1) Delta documents between DIS and IS versions

2. Network adaptation

1) Allocation of jitter reduction and bit error correction in the network adaptation layers
2) Specific method of bit error correction
3) Use of Q.2931 (outband) and H.24X (inband) for end-to-end signalling
4) Control channel; a dedicated VC independent of the audiovisual VC, or time sharing of a single VC?
5) AAL2; AAL1 based, or AAL5 based?
6) Establishment of network adaptation profiles
7) 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
8) RTI specifications; what are required for ITU-T applications?

3. C&I and DSM-CC

1) Identification of "common parts" in Section E.2/AVC-708R
2) Handling in H.32X; as a terminal type, or a capability set

4. Draft H.222.1

1) Addition of stream_id related description
2) Case study on H.222.1 bitstream according to the Singapore revision of H.222.0
3) Procedures for two-way and one-way communications
4) Specific way of acknowledging subchannel setup by use of PSI/PSM
5) Clarification of mode switching procedures
6) Mapping between TS packets and AAL SDU
7) Specifications for bit error correction
8) Usage of ITU-T stream_id types A - E
9) Security aspects; encryption, conditional access

5. Draft H.32X

1) Interworking modes between H.32X and H.320
2) Relationship between terminal type and support of PS/TS
3) Definition of send only terminals?

4) Definition of data capability
5) Definition of transfer rate capability; quantization of bit rates
6) Definition of C&I capability; relevance to DSM-CC capability?
7) Clarification of video frame synchronous C&I signals
8) Review of call setup and subchannel setup procedures in Figure 2
9) Description of "equipment requirements"
10) Description of error resilience
11) Differences in interface between B-ISDN and ATM LAN

6. Draft H.32Y
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1) H.32Y specific functionalities in addition to those of H.320
2) Description of multipoint communications involving H.32Y terminals
3) Clarification on support of Structured Data Transfer
4) Clarification on "User Information Layer 1 Protocol"
5) Clarification on the "Clock frequency recovery" element
6) Verification for error correction not being required in the network adaptation
7) Use of QoS parameter in the Q.2931 Information Elements

7. Draft H.32Z
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1) Specific examples of "guaranteed bandwidth" networks and their characteristics
2) Proposals for addressing "non guaranteed bandwidth" networks as well and the workplan for it
3) Technical problems of the "non guaranteed bandwidth" networks and views to them
4) Call setup procedures between the H.32X terminal and the gateway
5) Interface to "best efforts" network gateways

8. Draft H.24X
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1) Detailed review of the specifications
2) ASN.1 representation
3) Handling of non capability C&I
4) No need for acknowledgments?

References
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[1] AVC-676 List of open issues - 16 September 1994 (Rapporteur)
[2] AVC-707R Report of the Singapore sole sessions (Rapporteur)
[3] AVC-708R Report of the Singapore joint sessions (Rapporteur)
[4] Draft H.222.1 after the Singapore meeting
[5] Draft H.32X after the Singapore meeting
[6] Draft H.32Y after the Singapore meeting
[7] Draft H.32Z after the Singapore meeting
[8] AVC-710 Draft H.24X (N.D. Kenyon)

END