

(Rapporteur's Group on part of Q.2/15)

Study Group 15 - CONTRIBUTION

Question: 2/15

SOURCE: IBM

TITLE: Summary of the April 10 - 14th 1995 AMS Meeting

The April Audiovisual and Multimedia Services (AMS) Activities (Service Aspects and Applications(SAA) SWG) meeting focused on:

- Reviewing the VOD over ATM Implementation Agreement (IA) (ATM Forum/95-0012)
- Agreeing on changes and updates to the VOD IA Baseline text
- Begin planning for phase 2 work items

HIGHLIGHTs

- The use of the MPEG-2 Digital Storage Media Command and Control Extensions (DSM-CC) for VOD out-of-band service selection/control was resolved at this meeting. The mapping of the MPEG-2 DSM_CC session protocol to the ATM Signaling parameters and procedures will be supported in the Phase 1 implementation agreement.
- The AMS group agreed to use only the E.164 N_SAP encoded address format for VOD.
- Signaling Setup Parameters discussed and incorporated into IA
 - ATM Address restricted to E.164
 - B_HLI identified to possibly carry the "Correlation ID" rather than using the B_LLI.
 - BCOB = C or X

Should the VOD Implementation Agreement specify the use of Q.2931 Broadband Bearer Class X or Class C? This remains an open question.

Both Third Party "Proxy" signaling and First Party Server initiated connection setup scenarios were added to the Call Model section of the IA. A reference diagram identifying session/connection management and its associated control over both network and endstation resources as well as a table summarizing connection possibilities for various configurations were also added to the Call Model Section.

The "Native ATM Transport Interface" will be identified in the

SAA/AMS Reference Model and a pointer to the "Native ATM Transport Services" document will be included in the VOD Phase 1 Implementation Agreement.

Due to the above mentioned agreements and a considerable amount of editing, the Phase 1 Implementation Agreement has changed significantly from previous drafts.

The need for Forward Error Correction (FEC) above the AAL was brought up again. Toshiba presented a proposal for doing FEC over AAL5.

FEC was added to the phase 2 work item list.

The following is the schedule for completing the AMS Phase 1 Implementation Agreement:

- Feb-95: Initial draft of the baseline text
- Apr 95: Editing session of Phase-1 document
- June 95: AMS IA straw-vote document ready
- Aug 95: Resolve major, minor issues & editorial comments, forward to technical committee for vote.
- Oct 95: Final issue resolution

The following items were added for consideration for Phase 2 planning: *specific study item*

- Near Video-on-Demand
- Conferencing and Interworking with Narrowband ISDN
- VBR MPEG-2 Over AAL5
VBR MPEG-2
- Forward Error Correction support over AAL5
- *H320 over AAL5*
- *distance learning*

The phase 2 workscope will be decided at the June 1995 meeting. Contributions for phase 2 work items have been requested for the June meeting.

The next ATM Forum will be in Orlando, FL from June 5 - 9th.

*narrow down
June working item*

- Contributions were specifically requested for AMS in the following areas:
 - Enhancements to the AMS System Reference Model Baseline Assumptions (i.e. U^T 3.1, 4.0, ...) -
 - Other VOD out-of-band service selection/control protocols that need to be mapped to the ATM signaling parameters and procedures.
 - Signaling and addressing concerns
 - Additional Text for QOS and TM parameters
 - Suggested values for ATM QOS parameters to support VOD
 - Mapping of DSM_CC to Q.2931
 - Network Management
- The following Liaisons were approved to be sent to other groups
 - Questions on the use of B-HLI Information Element concerning whether it would be suitable to carry the "Correlation ID"
 - To: ITU SG 11 for Q15/11 and Q22/11, ATM Forum SIG Group, . . .
 - Use of MPEG-2 Digital Storage Media Command & Control
 - To: ITU-T SG11, ISO SC29/WG 11 (MPEG-2 Systems), ANSI T1S1, ETSI...
 - Selection of E.164 NSAP address for VOD services (Withdrawn at Plenary)
 - To: ITU-T SG15/SG11, ANSI T1S1, . . .