

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

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From: George Dobrowski, Chair, ATM Forum Technical Committee

Liaison Regarding the Use of MPEG-2 Digital Storage Media Command & Control

The ATM Forum wishes to update you on future work items of the Service Aspects & Applications Audio-visual Multimedia Service (SAA/AMS) Sub-Working Group with regard to the use of ISO/IEC 13818-6 MPEG-2 DSM-CC Extension.

Several contributions have been received with regard to the use of DSM-CC User-Network (U-N) messages over ATM and hybrid ATM end-to-end networks. Our understanding is that the DSM-CC U-N model does not replace UNI/Q.2931 connection signalling, but rather is meant to perform end-to-end session control without regard to the type of transport network and may perform connection control for non-ATM networks.

The following work items are being considered for the Phase 1 AMS Implementation Agreement or for future work efforts:

- Adopting the DSM-CC concept of session and the DSM-CC functional model.
- Adopting selected DSM-CC over ATM architectures.
- Having a cooperative work effort with ISO/IEC MPEG DSM-CC SWG to specify ATM resource descriptors used within DSM-CC U-N messages. This will include the definition of an end-to-end ATM parameter to identify, associate, and correlate all the ATM-related connections within a session.
- Investigating the use of DSM-CC U-N messages for (Video on Demand) session control and management.
- Adopting various protocol connection layers for DSM-CC. For example, in ITU-T SG15/Q.2 TD18 (Kamifukuoka) Annex 2, figure 1 H.32X Network Adaptation Protocol Reference Model, 2-Feb-1995, adding an additional connection point which bypasses the H.222.0 layer shown.

Please note that we are studying the use of DSM-CC, but that no decisions have been made regarding the above possible work items.

For informational purposes, we would appreciate the T1S1.5 Committee forwarding this liaison to ITU-T SG15/Q.2, SG11 and SG9.

Thank You,

George Dobrowski