ITU-T TELECOMMUNICATION STANDARDIZATION SECTOR
Study Group 15
Experts Group for Video Coding and Systems
in ATM and other Environments

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(Rapporteur's Group on part of Q.2&3/15)

Study Group 15 - CONTRIBUTION

Question: 2&3/15

SOURCE: IBM

Purpose: Proposal

TITLE: Exchanging the H.245 Correlation ID in ATM Signaling Environments that do not support the Generic Identifier Transport IE

ABSTRACT:

Proposal of how to convey the H.320 Terminal ID, multiplexing technique, and H.245 Correlation ID in ATM Signaling Environments that do not support the Generic Transport IE (UNI 3.1 Environment).

Contacts: Jeff Lynch
              IBM CE6A/664
              P.O. Box 12195
              Research Triangle Park, NC 27709 USA
              +1 919 254 4454 / Fax: +1 919 254 5410
              jjlynch@ralvm6.vnet.ibm.com

Support for exchanging the H.245 Correlation ID in ATM Signaling Environments that do not support the Generic Identifier Transport IE should be accomodated in H.310.

In the latest Q.2931 changes, the Terminal ID, etc. is conveyed in the Broadband Low Layer Information Element, while the H.245 Correlation ID is carried by the Generic Identifier Transport Information Element. Neither of these are supported by the ATM Forum UNI 3.1.

The signaling parameters should be set in accordance with H.310 Recommendation (ATM Signaling Setup Information Elements) with the following accommodations for Signaling 3.1.

Set the:

1) Broadband Low Layer Information element with the Q.2931 (ATM Forum Signaling 4.0) code points for terminal protocol and multiplexing scheme parameters. As an example, for the video and audio VC the settings could be:

- Terminal Protocol = RAST

- Forward Multiplexing Capability = TS

- Backward Multiplexing Capability = TS

2) Since UNI 3.1 does not support the Generic Identifier Transport Information Element, use the B-HLI to convey the 4 byte H.245 correlation ID by setting the low layer information type to "user specific" (This is the same wayrying the DSM-CC SessionID and Resource ID are carried in the ATM Forum VOD Phase 1 Specification).

3) For the Quality of Service Parameter, use QoS Class 1, 2, 3, or 4 in accordance with what your network provider has defined for carrying interactive multimedia services.

Proposal:

Accept the above proposal of how to convey the H.310 Terminal ID, multiplexing technique, and H.245 Correlation ID in ATM Signaling Environments that do not support the Generic Identifier Transport IE (an ATM Forum UNI 3.1 Environment).

References

[1] ITU-T Recommendation H.310 (1996): "Broadband and audio-visual communications systems and terminal equipment".