

CCITT SGXV
Working Party XV/1
Experts Group for ATM Video Coding

Document AVC-196
December 27, 1991

SOURCE : CCITT EXPERTS GROUP
TITLE : GUIDING PRINCIPLES FOR THE SINGAPORE MEETING
PURPOSE: Proposal

The CCITT Experts Group for ATM Video coding proposes the following regarding the Test Model TMO that should be issued at the Singapore meeting.

- 1) The Test Model should be very simple at the beginning and be improved by including elements which have been verified.
- 2) Some room should be provided within TMO to allow the optimization of the low delay mode.

Note: End to end delay must be clearly defined for

- forward field prediction
- forward frame prediction
- forward and backward prediction, use of B-frames.

See a companion document AVC-179 (MPEG92/).

- 3) A proposed core experiment should allow backward/forward compatibility with MPEG1 or H.261 (as embedded bitstream at 1.15 Mbit/s) and comparison with simulcast modes.
- 4) TMO should provide sufficient room to implement schemes with forward prediction only in the interest of low delay and simple implementation.
- 5) Scalability and effectiveness of the coding schemes at low bit rates are important items.

Note that the Experts Group makes a proposal to specify a cell loss experiment, and particularly describes the simulation environment for cell loss resilience comparison. See another companion document AVC-197 (MPEG92/).

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