

Working Party XV/1
Experts Group on ATM Video Coding
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Source: B, F, FRG, N, NL, S, UK

Title: Comments on the IVS Baseline Document (AVC-25)

Purpose: Proposal

Work plan (page 6)

Since AAL type 1 SAR and CS are intended to be specified in a '92 timeframe, SGXV/WP/1 Experts Group needs to provide input on these topics. More specifically since the CS is service dependent, it will depend upon the specific video service requirements if. e.g. additional cell loss protection mechanism are needed for given ATM network parameter values (CLR, BER). It is suggested that the CCITT SGXV WP/1 doc. AVC- "Requirement Analysis for Video Services" will be consulted when discussing those issues.

A2.6 Service Bitrates (page 11, 2nd paragraph)

Usage parameter control and network parameter control, CLP bit.
"When the cell tagging option is exercised, non compliant CLP=0 cells may be overwritten to CLP=1"

We are concerned that the network can modify the CLP bit. Changing the Priority of a cell may cause more problems than discarding the cell in some layered coding schemes.

A2.7.2 QOS Provided by the ATM Layer (bottom of page 12)

QOS related to Cell Loss Priority

"The CLP indicator in the cell header may be set by the user or the service provider. In the case of video services, the CLP bit is set by the layered coding provider..."

The wording should be clarified; who is e.g. the layered coding provider?

General

Video services are normally embedded in a multimedia service comprising at least video and audio. More emphasis should be put in the IVS baseline document on the system aspects when combining multiple sources of real time information, e.g. the synchronization of video and audio and its implications to video coding matters.