

Working Party XV/1
Experts Group on ATM Video Coding
Santa Clara, August 1991

Source: B, F, FRG, N, NL, S, UK

Title: Comments on Picture Format (Annex 3 to doc. AVC-65R)

Purpose: Proposal

Concerning the questions of annex 3 to doc AVC-65R the above countries agreed on the following answers:

- Q1: At least 1 additional format beside QCIF and CIF is needed.
- Q2: The experts group should concentrate on conversational services and although seriously consider the work done in the areas of TV distribution and storage.
- Q3: It is proposed to put forward a common progressive format for enhanced quality video applications with a simple relation to CIF.
It needs to be proven that no degradations due to scan conversion appear.
The impact on coding efficiency has also to be taken into account. Work in these areas is in progress.
A future standard should leave the door open for use of other formats.

It is proposed that the new format has 2 times as many pixels in the horizontal, vertical, and time dimension as CIF. This implies that the proposed format should be:

59.94 frames/s
576 lines for Y
288 lines for U, V
720 pels/line for Y
360 pels/line for U, V

As seen subsampling on chrominance is applied. Our aim is to provide firm supporting evidence by the first CCITT meeting in 1992.