

SOURCE: Belgium, France, FRG, Italy, Netherlands, Norway, UK  
TITLE: Comments on "Memorandum of Topics"  
PURPOSE: Discussion

## 1 INTRODUCTION

The Chairman of the experts group for ATM video coding distributed a tentative document entitled "Memorandum for the Topics to be Discussed" on 15 October 1990. At a recent European meeting this document was discussed and a number of opinions were expressed. The text below summarises our views concerning the topics and workplan of the new ATM video coding experts group.

### Comments on Section 1.1

"Multimedia services" should be added to the list of applications. Although multimedia can be considered as a combination of the services already listed, we feel that it is important that the interworking of these services is strongly borne in mind.

### Comments on Section 1.2 and 1.3

We believe that the Group should initially focus on standard TV signals but at the same time try to take into account expansion to higher resolutions. A single coding format should be chosen.

### Comments on Section 1.4

It should be the aim of the Group to design a video coding standard which can achieve less delay than can be achieved with current systems.

### Comments on Section 1.5

A bit rate range of 64kbit/s to a few tens of Mbit/s should first be considered by the Group. Bit rate ranges up to 100mbit/s could be considered in the future if necessary.

### Comments on Section 1.6

Compatibility between existing AV recommendations and the new standard should strongly influence the decisions of the Group.

### Comments on Section 1.7

The framework and responsibilities of the new Group should be approximately the same as that used for the definition of H.261.

### Comments on Section 2.1 Workplan

Based on the proposals made to Section 1 (see above) it is proposed to finalise a coding standard in 1994. This would require substantial results on some general aspects considerably before 1994. Various milestones need to be set. These include:

- scope of the final recommendation (targets being laid down on items mentioned in section 1);

- date for provision of candidate algorithms;
- agreement on deadline for divergence phase, start of convergence phase.

Taking into account these steps towards a final recommendation, a framework recommendation should be completed in 1992, (the end of the present CCITT study period).

#### Comments on Section 2.2 Working Methods

The working methods used in specifying H.261 have shown to be very effective and we should carry on using the same principles also in the new group, a step by step method using reference models should be applied. Possibly after two years, hardware trials should start to verify the findings on simulation.

#### Comments on Section 5 Harmonisation

##### 3.1 MPEG

Collaboration with ISO should be as close as possible. Considerations will have to be given to the constraints and requirements for both the ATM video coding standard and the standards studied within the ISO/MPEG group.

##### CMTT

Also co-operation with CMTT should be sought. As regard to secondary distribution, input by CMTT (representing the broadcasters viewpoint) is required.

They should give information about the constraints on secondary distribution. Especially test sequences which reflect the requirements by broadcasters as regards quality, moving scenes etc are highly welcomed. Depending on activities and timescale, close co-operation with CMTT should be encouraged.

(END)

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