

STUDY GROUP XV - CONTRIBUTION

Title: NEW CCITT VIDEO EXPERTS GROUP FOR ATM CODECS

Source: United Kingdom, Federal Republic of Germany

1. INTRODUCTION

Broadband ISDN is the subject of voluminous studies in CCITT and ETSI. Many of the applications envisaged will involve the transmission of moving video signals, using ATM; the average throughput will probably depend on each application, and it will be necessary that studies encompass a wide range of bit rates.

The need for world collaboration in establishing video coding standards was recognised in 1984, and a specialists group was set up under the auspices of CCITT SG XV in 1985 - this group will finish its work in the near future.

2. PROPOSAL

It is proposed that a new video coding specialists group be established, again under the auspices of WP XV/1, to carry out the following studies:

- (a) video compression algorithms appropriate to the ATM environment;
- (b) the relationship between video coding algorithm and network parameters to achieve good quality;
- (c) compatibility with audiovisual systems covered by Rec H.200.

3. RELEVANT APPLICATIONS

The following applications should be taken into account in determining the quality aspects:

- (a) conversational audiovisual services (videoconferencing, videophone);
- (b) image storage/retrieval and messaging services;
- (c) broadcast distribution services, including both 525/625-line and HDTV formats; close co-operation with CMTT, responsible for coding methods for video distribution, is essential.