CCITT SGXV
Specialists Group on
Coding for Visual Telephony

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Title: Bit Rates for Flexible Hardware Experiments

Source: FRG, France, Italy, Netherlands, Norway, Sweden, UK

INTRODUCTION

The December 1988 meeting of the CCITT Specialists Group agreed to perform compatibility checks using 'p' values of 1, 2, 6 and 24/30. The corresponding video rates must be agreed. Although it could be argued that we only require interim values for the hardware tests and that the numbers appearing in the final recommendation can be different, it is appropriate to attempt to consider what the latter might be.

PROPOSAL

VIDEO: For p>1 and without sharing any 64 kbit/s capacity between audio and video, the gross rate of the video slots is (p-1)*64 kbit/s. However, there is increasing opinion that the use of FAS and BAS in each slot should be allowed for, thereby giving a net rate of (p-1)*62.4 kbit/s.

For p=1 we start with 64 kbit/s, less 8 kbit/s for FAS, BAS, Control & Indication, Message Channel etc, less 16 kbit/s for speech. That leaves 40 kbit/s for video. The message channnel is considered to be non-mandatory so 4 kbit/s could be appropriated for video, yielding a possible total of 44 kbit/s.

AUDIO: We do not have an agreed 16 kbit/s audio coding scheme. Unless the situation changes we should conduct the p=1 tests with a separate audio channel leaving the 16 kbit/s vacant. For p>1 G.722 is already agreed.

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