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

Maxi

Title: Bits per picture specification

A previous document (doc 430) gave results concerning the number of bits created by coding a complete picture using intra mode. This data was obtained from practical measurements using the nx384kbit/s flexible hardware on a limited number of picture sources. The experiment showed that at least 164kbits of data could be created. We have considered the implications of this result on the decoder hardware design and now make a firm proposal for the inclusion of a maximum number of bits per picture requirement in the specification.

Proposal

Add to the H.261 specification:-

1. When working at full CIF the maximum number bits created by any single coded frame must not exceed 256Kbits (K=1024).

2. When working at quarter CIF the maximum number of bits created by any single coded frame must not exceed 64kbits (K=1024). Note: This requirement is consistent with combining four quarter CIF sources into one full CIF picture at a "continuous presence" type multipoint unit.

3. In both full and quarter CIF cases the bits per picture count includes the Picture Start Code and all other data related to that picture.