

**Title: PROPOSAL CONCERNING RESTRICTING THE ENCODED PICTURE  
CONTENT BY LIMITING THE MAXIMUM PICTURE RATE**

**Source: N, S, UK, F, FRG, NL, I**

There has been much discussion about methods of restricting the encoded picture content in a way that allows the maximum possible picture rate to be decoded with a given processing power in a DSP based decoder. The arguments for and against the need for such a proposal, and the means of achieving it, have been summarised in the chairmans report of the Stuttgart meeting (Doc 540R), and it is not intended to reproduce them all here.

However, attempts to define a restriction based on processing units are ultimately codec design specific, difficult to quantify and hence validate, and require extra complexity in the specification and in encoder designs.

The current specification which simply restricts and maximum picture rate may be sub-optimum for some DSP codecs, but is workable for all codecs, unambiguous, and easily validated.

It is therefore proposed that the current wording of the specification be retained, except that:

1. The sentence "The maximum picture rate (CIF and QCIF) is under study" be deleted as unnecessary given the ability to restrict the maximum picture rate of any encoder.
2. The number of non-transmitted pictures is selected by an external means rather than "manually" as at present.

The relevant paragraph shall therefore now read:

**Means shall be provided to restrict the maximum picture rate of encoders by having at least 0, 1, 2 or 3 non-transmitted pictures between transmitted ones. Selection of this minimum number shall be by an external means.**