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Title: Telecommunication requirements for the Next profile
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Purpose: Proposal

Introduction

In the framework of MPEG the definition of profiles is the approved approach to define workable subsets of the MPEG2 Standard for a group of applications, a profile is a selection of parameters from the MPEG2 tool kit. Levels are used within a profile to specify an operation point within a profile, a level is the fixation of the parameters in the profile. Currently the the MAIN profile is fixed and can therefor not be altered any more, the NEXT profile is open and is currently under discussion.

In this document a proposal is made for the telecommunication requirements for the next profile.

Telecommunications requirements

Mandatory requirement for telecommunications are discussed below, it is not necessary that all items fall in the same inter working level:

- H.320 inter working (this includes video, audio, multiplexing, call control, etc.)
- H.261 compatible
- MPEG1 (IS 11172) compatible (this includes video, audio and systems)
- Low end to end delay, less then about 150 ms
- Cell loss resilient, *with peak error rate of 10^{-2} almost no visible effects*
- Bitrate range from 64 kbits/s to tens of Mbits/s

END