

Video Codec Requirements and Evaluation Methodology



draft-ietf-netvc-requirements-03

**Alexey Filippov (Huawei Technologies),
Andrey Norkin (Netflix),
Jose Alvarez (Huawei Technologies)**

Contents

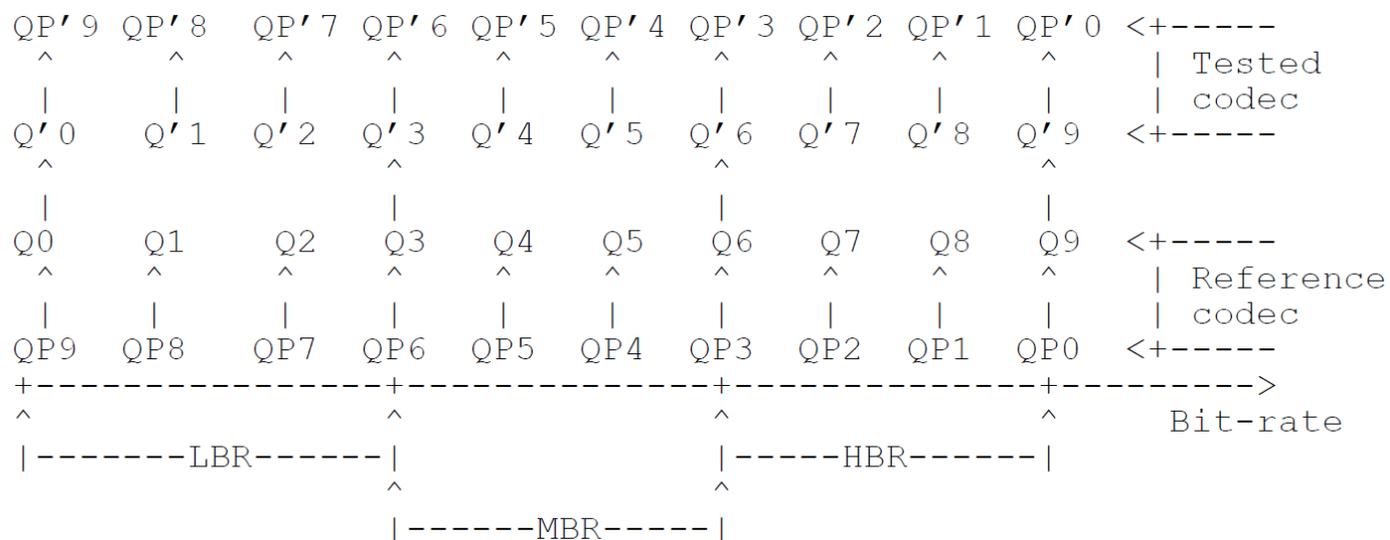
- **An overview of applications** ← **No changes**
- **Requirements** ← **Changed**
- **Evaluation methodology** ← **Changed**

Requirements

- **General requirements** ← **No changes**
- **Basic requirements** ← **Changed**
 - The bitstream specification should support independently decodable sub-frame units similar to slices or independent tiles. It should be possible for the encoder to restrict the bit-stream to allow parsing of the bit-stream after a packet-loss and to communicate it to the decoder.
- **Optional requirements** ← **No changes**

Compression performance evaluation

- **The number of QP-points was reduced up to 10**
 - initially, it was 12
- **Quality alignment was simplified**
 - Now, it is performed just for 4 QP-points



- **MS-SSIM-based quality assessment is performed only for luma**

Conclusions

- The authors tried to take into account all the received comments
- **We recommend to adopt this document as an RFC**

Thank You