

# RTCP XR Block for Loss Concealment Metrics Reporting on Video Applications

draft-ietf-xrblock-rtcp-xr-video-lc-  
01

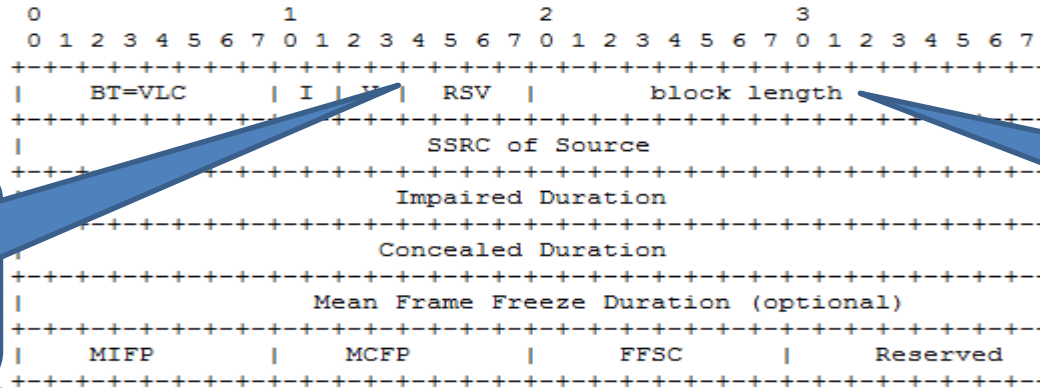
Rachel Huang ([rachel.huang@huawei.com](mailto:rachel.huang@huawei.com))

Alan Clark ([alan.d.clark@telchemy.com](mailto:alan.d.clark@telchemy.com))

# Document Status

- Adopted as WG item just before last meeting.
- Changes from version 00.
  - Explain the time period for the measurement in first paragraph of Section 4.
  - Changing the metrics
    - Modify the Mean Frame Freeze Duration metric to express in units of RTP timestamp. So now it has 32bits instead of 8 bits.
  - Complete Appendix A
  - Fixing some nits.
  - Editorial changes.

# Report Block Overview



V=10 – Frame Freeze  
 V=11 – Other LOSS Concealment Method  
 V=00&01 Reserved

BL = 6 when V=10  
 BL = 5 when V=11

- Impaired Duration
  - Total time length, expressed in units of RTP timestamps, of video impaired by transmission loss before applying any loss concealment methods.
- Concealed Duration
  - Total time length, expressed in units of RTP timestamps, of concealed damaged video pictures on which loss concealment method corresponding to V is applied
- Mean Frame Freeze Duration
  - Optional
  - Mean duration, expressed in units of RTP timestamps, of the frame freeze events.
- MIFP
  - Mean Impaired Frame Proportion
  - Mean proportion of each video frame impaired by loss before applying any loss concealment method.
- MCFP
  - Mean Concealed Frame Proportion
  - Mean fraction of each video frame to which loss concealment (v) was applied.
- FFSC
  - Fraction of Frames Subject to Concealment
  - Proportion of frames to which loss concealment (V) was applied

# Next Step

- Open issue?
- Comments and suggestions?
- Ready for WGLC?