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

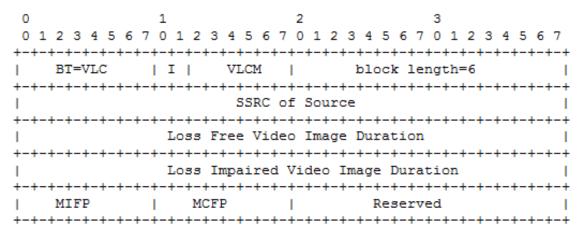
draft-huang-xrblock-rtcp-xr-video-lc-03

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## **Document Status**

- Defines one XR Blocks
  - Reporting video concealment metrics
- Changes from version 01 presented at IETF90.
  - Clarifying the use case in section 1.
    - ✓ No-reference video quality evaluation: e.g., IPTV.
  - Deleting retransmission method.
  - Using one bit to indicate other loss concealment method
  - Changing the metrics.
  - Fixing some nits.

## Report Block Overview



Need to improve the terminology

- Loss Free Video Image Duration
  - Total time length, expressed in units of millisecond, of received video with no transmission loss.
- Loss Impaired Video Image Duration
  - Total time length, expressed in units of millisecond, of still impaired video pictures, which have transmission loss and to which loss concealment may have been applied.

#### MIFP

- Mean Impaired Frame Proportion
- Mean proportion of each video frame impaired by loss

#### MCFP

- Mean Concealed Frame Proportion
- Mean fraction of each video frame with concealed loss impairments.

Call duration = Loss free video image duration + loss impaired video image duration + totally concealed loss impaired duration

# **Issue# Metrics Consistency**

 MIFP is matched to Loss Impaired Video Image Duration, but there's no match metric to MCFP.

### Solution:

- Add back metric "Loss concealed video duration"?
  - ✓ But most time "Loss concealed video duration" is equal to "Loss impaired video image duration"
- Keep as it is?

## Next Step

- Terminologies of the metrics should be improved as Colin suggested.
- Solving the issue.
- A new work item?
- Other comments?