NETVC Testing
draft-ietf-netvc-testing-05

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Subjective Testing

• Subjective testing procedure defined
  – Same codec config/cmdline as objective test
  – Only one QP is tested in both high and low latency

• Subjective test set added
  – Reduced number of videos from objective test

• AWCY/Analyzer support for subjective testing
  – Split view comparison
  – Voting for best video or tie (with instructions)
Subjective Test Results

• 12 viewers are required to be significant.
• Sign test is used on the accumulated votes to determine the p-value of the subjective test.
• Half of the tie votes, rounded down, are added to the accumulated votes on the winning side of the pair for the purposes of computing the sign test.
• P-values under 0.05 are considered significant.
Subjective Test Set

- subjective-1 test set is a subset of objective-2-slow.

- MINECRAFT_420_300f
  - QP: 50

- Netflix_Crosswalk_1920x1080_30fps_8bit_420_300f
  - QP: 55

- Netflix_TunnelFlag_1920x1080_30fps_8bit_420_300f
  - QP: 55

- sintel_trailer_cut1
  - QP: 50

- vidyo1_720p_30fps_300f
  - QP: 63
Subjective Test Examples

• CDEF vs CLPF (deringing filters)
  – Low Latency: https://goo.gl/VncE5M
  – High Latency: https://goo.gl/XQ3O6Q

• Deblocing Filter
  – Full speed playback: https://goo.gl/8TKry8
  – Single step frames: https://goo.gl/RNZ6Fa
  – Sintel video only: https://goo.gl/LULEjL
  – Sintel video only: https://goo.gl/46rFLG