

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/XQ306Q>
- Deblocking 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>