

draft-ietf-netvc-testing-03

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- Metric updates
- Range updates

Metric text updates

- FastSSIM has been dropped entirely in favor of MS-SSIM.
 - The implementation of MS-SSIM was done from scratch, and found some bugs in the FastSSIM implementation
 - The speed difference between FastSSIM and MS-SSIM is negligible in comparison to compressing video.

Metric text updates

- More info on VMAF usage
 - RD curves use VMAF scores directly, unlike log conversion used for SSIM and MS-SSIM
 - This matches the methodology used by Netflix for their study, “A Large-Scale Comparison of x264, x265, and libvpx” [1]

[1] <http://techblog.netflix.com/2016/08/a-large-scale-comparison-of-x264-x265.html>

Range updates

- Quantizer ranges specified for
 - Individual tool testing (4 quantizers)
 - Final requirements testing (10 quantizers)
 - These match draft-ietf-netvc-requirements-03
- Previous version had specified min and max, but not intermediate quantizers

Still to come...

- Adding more clips to baseline [1]
 - 240p
 - HDR
- Set not finalized in time for this draft version

[1] <https://people.xiph.org/~tdaede/objective-2-new-clips/>