

**Joint Video Experts Team (JVET)
of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC
29/WG 11**

16th Meeting: Geneva, October 2019

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Title: AHG13: Low Delay results for Affine, ALF and DBF (Class A included)

Status: Input document to JVET

Purpose: Proposal

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Source: Huawei

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Abstract

This contribution provides tool off simulations results for low delay configurations for Affine, ALF and DeBlocking Filter.

Simulation results reportedly demonstrate the following average BD-rate performance drop when the tool is switched off for Class A on top of VTM-6.0:

Affine: 3.95% / 2.37% / 2.46% in LDB with EncT 77.88% and DecT 91.18%; 4.14% / 2.56% / 2.67% in LDB with EncT 82.6% and DecT 92.47%;

ALF: 5.41% / 2.61% / 3.67% in LDB with EncT 99.00% and DecT 76.71%; 7.53% / 3.93% / 5.15% in LDB with EncT 97.97% and DecT 76.29%;

DBF: 1.78% / 1.55% / 1.44% in LDB with EncT 100.54% and DecT 91.00%; 2.04% / 1.64% / 1.73% in LDB with EncT 100.39% and DecT 90.68%;

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LINKS

CARD

JVET-P0622

<http://vexpertise.stbit.ru/documents/JVET-P0622>

JVET Search

M. Sychev 122 (m50663)

AHG13: Low Delay results for Affine, ALF and DBF (Class A included)

Authors:

ABSTRACT

MEETING NOTES



SOURCE

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Document Information

Submitted by: Jorma Paavola Olli

Title: AHG13: Low Delay results for Affine, ALF and DBF (Class A included)

Authors: V. Sengul

Document: JVET-P0622 updated document

Associated Resources

Comments



ARCHIVE

archive v1

https://jvet-experts.org/doc_end_user/documents/16_Geneva/wg11/JVET-P0622-v1.zip

DOC JVET-P0622_v1.docx

XLS vtm6_LDf_Aff0__cb45f438_VS_VTM6f.xlsm

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XLS vtm6_LDf_ALF0__cb45f438_VS_VTM6f.xlsm

XLS vtm6_LDf_DBF0__cb45f438_VS_VTM6f.xlsm



MEETING NOTES

external meeting notes

https://www.itu.int/wftp3/av-arch/jvet-site/2019_10_P_Geneva/JVET-P_Notes_dG.docx

Joint Video Experts Team (JVET) of ITU-T SG21 WP3/21 and ISO/IEC JTC 1/SC 29

16th Meeting: Geneva, October 2019

Document: JVET-P0622

Title: Meeting Report of the 41st Meeting of the Joint Video Experts Team

Status: Report document from the chair of JVET

Purpose: Report

1 Summary



MEETING NOTES

[JVET-P0622](#) AHG13: Low Delay results for Affine, ALF and DBF (Class A included) [M. Sychev (Huawei)] [late]

Coding studies on specific use cases (0)

Test material (0)

Conformance (6)

CITATION

M. Sychev, "AHG13: Low Delay results for Affine, ALF and DBF (Class A included)", JVET-P0622, 16th Meeting: Geneva, October 2019.

REFERENCES

1. [F. Bossen, J. Boyce, X. Li, V. Seregin, K. Sühling, "JVET common test conditions and software reference configurations for SDR video", JVET-N1010, 14th Meeting: Geneva, March 2019.](#)
2. [B. Bross, J. Chen, S. Liu, "Versatile Video Coding \(Draft 6\)", JVET-O2001, 15th Meeting: Gothenburg, SE, July 2019.](#)