

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

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Title: Description of Core Experiment 5 (CE5): Adaptive loop filter

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**Author(s) or
Contact(s):** [C.-Y. Chen](#) | chingyeh.chen@mediatek.com
[Vadim Seregin](#) | vseregin@qti.qualcomm.com

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Abstract

This document describes Core Experiment 5 (CE5) on Adaptive Loop Filter. The experiments are conducted after the 13th JVET meeting and the results, including cross-checks, are reported as input contributions to the 14th JVET meeting.

Introduction

The following tests will be performed:

Tests CE51 and CE52 include subjective evaluation. Informal subjective viewing is planned to be conducted during the Geneva meeting for both the proposals. The informal subjective test mainly checks for any visual artifacts which are created or observed near the CTU boundary when compared to the anchor VTM-4.0. ABAB test comparison is planned to be used where A or B could randomly be the anchor or the test.

The following sequences and QP points are planned to be used

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LINKS

CARD

JVET-M1025

<http://vexpertise.stbit.ru/documents/JVET-M1025>

JVET Search

C.-Y. Chen

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Description of Core Experiment 5 (CE5): Adaptive loop filter

Authors:

ABSTRACT

MEETING NOTES

SOURCE

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Comments

ARCHIVE

archive v2

https://jvet-experts.org/doc_end_user/documents/13_Marrakech/wg11/JVET-M1025-v2.zip

Archive

DOC JVET-M1025-v2.docx

MEETING NOTES

external meeting notes

https://www.itu.int/wftp3/av-arch/jvet-site/2019_01_M_Marrakech/JVET-M_Notes_dH.docx

Joint Video Experts Team (JVET)

of ITU-T SG21 WP3/21 and ISO/IEC JTC 1/SC 29

13th Meeting: Marrakech, January 2019

Document: JVET-M1025

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-M1025](#) Description of Core Experiment 5 (CE5): Adaptive loop filtering [C.-Y. Chen, V. Seregin]

CITATION

C.-Y. Chen, V. Seregin, "Description of Core Experiment 5 (CE5): Adaptive loop filter", JVET-M1025, 13th Meeting: Marrakech, January 2019.

REFERENCES

1. [C.-Y. Chen, T.-D. Chuang, Z.-Y. Lin, C.-Y. Lai, Y.-W. Huang, S.-M. Lei, "Adaptive loop filter with virtual boundary processing", JVET-M0164, 13th Meeting: Marrakech, January 2019.](#)
2. [A. M. Kotra, S. Esenlik, B. Wang, H. Gao, J. Chen, "Non-CE: Loop filter line buffer reduction", JVET-M0301, 13th Meeting: Marrakech, January 2019.](#)
3. [J. Taquet, C. Gisquet, G. Laroche, P. Onno, "Non-linear Adaptive Loop Filter", JVET-M0385, 13th Meeting: Marrakech, January 2019.](#)
4. [N. Hu, V. Seregin, H. Egilmez, M. Karczewicz, "Coding tree block based adaptive loop filter", JVET-M0429, 13th Meeting: Marrakech, January 2019.](#)
5. [F. Bossen, J. Boyce, X. Li, V. Seregin, K. Sühling, "JVET common test conditions and software reference configurations for SDR video", JVET-M1010, 13th Meeting: Marrakech, January 2019.](#)