

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

14th Meeting: Geneva, March 2019

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Title: Crosscheck of JVET-N0179 (Non-CE9: Reducing bi-linear interpolation buffer requirement for DMVR)

Status: Input document to JVET

Purpose: Proposal

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Source: C.-C. Chen, W.-J. Chien

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Abstract

This contribution reports the crosscheck results of JVET-N0179 (Non-CE9: Reducing bi-linear interpolation buffer requirement for DMVR). It is reported that all the BD-rate numbers match those provided by the proponent. Runtime characteristics of the cross-checked encoder and decoder also matches those provided by the proponent.

Experimental Results

The crosscheck has been performed for Random Access configuration with the VTM-4.0 software and common test conditions (JVET-M1010). The corresponding simulations were conducted on an Intel Xeon cluster with Linux OS and a GCC 7.3.0 compiler. The two tests proposed by the proponents in JVET-N0179 have been crosschecked.

The cross-checked testes are listed as follows:

(Test 1) Row-subsampled bilinear interpolation output;

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LINKS

CARD

JVET-N0734
<http://vexpertise.stbit.ru/documents/JVET-N0734>

JVET Search

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ABSTRACT

MEETING NOTES

SOURCE

external source
https://jvet-experts.org/doc_end_user/current_document.php?id=6489

JVET

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Preview document JVET-N0734

Document Information

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Authors: V. Sengul

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Comments

Associated Resources

ARCHIVE

archive v1
https://jvet-experts.org/doc_end_user/documents/14_Geneva/wg11/JVET-N0734-v1.zip

Archive

XLS

JVET-N0179-Test1_crosschecker.xlsm

XLS

JVET-N0179-Test2_crosschecker.xlsm

DOC

JVET-N0734.docx

MEETING NOTES

external meeting notes
https://www.itu.int/wftp3/av-arch/jvet-site/2019_03_N_Geneva/JVET-N_Notes_dF.docx

Joint Video Experts Team (JVET)

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

14th Meeting: Geneva, March 2019

Document: JVET-N0734

Title: Meeting Report of the 14th Meeting of the Joint Video Experts Team

Status: Report document from the chair of JVET

Purpose: Report

1 Summary

MEETING NOTES

[JVET-N0734](#) Crosscheck of JVET-N0179 (Non-CE9: Reducing bi-linear interpolation buffer requirement for DMVR) [C.-C. Chen, W.-J. Chien (Qualcomm)] [late]

CITATION

C.-C. Chen, W.-J. Chien, "Crosscheck of JVET-N0179 (Non-CE9: Reducing bi-linear interpolation buffer requirement for DMVR)", JVET-N0734, 14th Meeting: Geneva, March 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-M1010, 13th Meeting: Marrakech, January 2019.](#)
2. [S. Esenlik, H. Gao, A. M. Kotra, B. Wang, J. Chen, "Non-CE9: Reducing bi-linear interpolation buffer requirement for DMVR", JVET-N0179, 14th Meeting: Geneva, March 2019.](#)
3. [JVET-N734](#)