

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

12th Meeting: Macao, October 2018

Document: JVET-L0525-v1

MPEG: m44628

Title: Crosscheck report of L0158 (CE4-related: History-Based Motion Vector Prediction considering parallel processing)

Status: Input document to JVET

Purpose: Proposal

Author(s) or Contact(s): [Byung-Yoon Choi](#) | bychoi@kau.kr (Sharp)

Source: Sharp

HEADER EXCERPT FROM SOURCE DOCUMENT

Abstract

This document is a cross-check report of JVET-L0158. The results provided the proponent can be identically reproduced by the cross checker. All simulation results with VTM configurations are verified. The cross-checker reports that the source code provided by the proponent (LG) conforms to the description provided in JVET- L0158.

Cross-check results

The simulation was carried out under the JVET common test condition. The encoder and decoder runtimes provided by the proponent are consistent with measured run times by the cross-checker. The summarized results are shown in Tables 1-2. Table 1 shows VTM results of the Test # 1 in JVET- L0158, while Table 2 shows VTM results of the Test #2 in JVET- L0158.

Test #1: Initialization on CTU Row basis

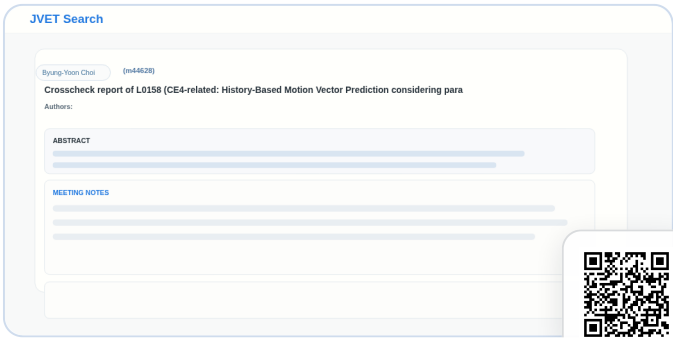
Test #2: Initialization on CTU basis

Built from JVET-L0525.docx

CARD

JVET-L0525

<http://vexpertise.stbit.ru/documents/JVET-L0525>



ARCHIVE

archive v1

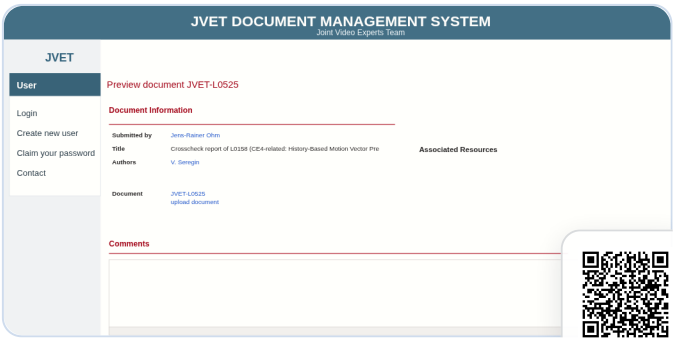
https://jvet-experts.org/doc_end_user/documents/12_Macao/wg11/JVET-L0525-v1.zip



SOURCE

external source

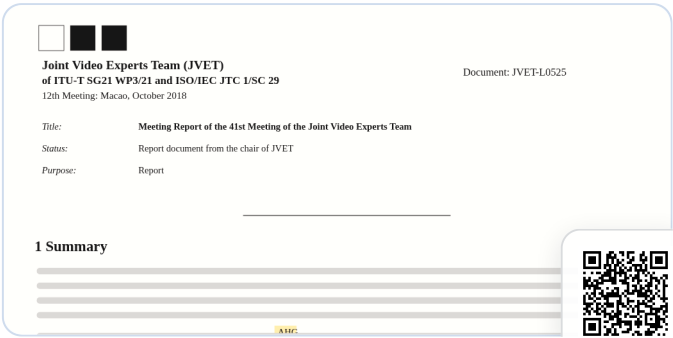
https://jvet-experts.org/doc_end_user/current_document.php?id=4631



MEETING NOTES

external meeting notes

http://vexpertise.stbit.ru/meeting-notes/source/meeting_12_1



MEETING NOTES

JVET-L0525 Crosscheck report of JVET-L0158 (CE4-related: History-Based Motion Vector Prediction considering parallel processing) [B. Choi (Sharp)] [late]

CITATION

B. Choi, "Crosscheck report of L0158 (CE4-related: History-Based Motion Vector Prediction considering parallel processing)", JVET-L0525, 12th Meeting: Macao, October 2018.

REFERENCES

1. [F. Bossen, J. Boyce, X. Li, V. Seregin, K. Sühning, "JVET common test conditions and software reference configurations for SDR video", JVET-K1010, 11th Meeting: Ljubljana, July 2018.](#)
2. [N. Park, H. Jang, J. Nam, J. Lee, J. Lim, S. Kim, "CE4-related: History-Based Motion Vector Prediction considering parallel processing", JVET-L0158, 12th Meeting: Macao, October 2018.](#)