

**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-L0671-v1

MPEG: m45102

Title: **Crosscheck of JVET-L0670 (Simplified DMVR for inclusion in VVC)**

Status: Input document to JVET

Purpose: Proposal

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Contact(s):* [T.Chujoh](#) (Sharp)

Source: Sharp

HEADER EXCERPT FROM SOURCE DOCUMENT

Abstract

The cross checker reports that the source code provided by Huawei was carefully analysed and found to be consistent with the description in JVET-L0670. The cross checker could reproduce the results reported in JVET-L0670. The difference from measured encoder and decoder run time ratios to those reported in JVET-L0670 is acceptable.

Summary of Proposal JVET-L0670

JVET-L0670 [1] proposes a simplification of DMVR based on results of CE9 [2].

Simulation Results

Their software is based on BMS2.1rc1 and VTM configuration.

Built from JVET-L0671.docx

LINKS

CARD

JVET-L0671

<http://vexpertise.stbit.ru/documents/JVET-L0671>

The screenshot shows the JVE Search interface. At the top, there's a search bar with the text 'T.Chang' and a dropdown menu showing '171' and '(m453102)'. Below the search bar, the title 'Crosscheck of JVE-L0670 (Simplified DMVR for inclusion in VVC)' is displayed. Underneath the title, it says 'Authors:'. There are two sections: 'ABSTRACT' and 'MEETING NOTES'. The 'ABSTRACT' section has a blue bar and a grey bar. The 'MEETING NOTES' section has a blue bar and a grey bar. A QR code is visible in the bottom right corner of the screenshot.

ARCHIVE

archive v1

https://jvet-experts.org/doc_end_user/documents/12_Macao/wg11/JVET-L0671-v1.zip

Archives

```
graph LR; JET((JET)) --- XLS[Crosscheck_JVET-L0670_vtm_anchor.xlsm]; JET --- DOC[JVET-L0671.docx];
```

XLS Crosscheck_JVET-L0670_vtm_anchor.xlsm

DOC JVET-L0671.docx



SOURCE

external source

https://jvet-experts.org/doc_end_user/current_document.php?id=4785

The screenshot displays the Jvet Document Management System interface. At the top, a dark blue header contains the text "Jvet Video Experts Team". Below this, the main interface is divided into a left sidebar and a central content area. The sidebar, under the "Jvet" logo, lists navigation options: "User" (highlighted), "Login", "Create new user", "Claim your password", and "Contact". The central content area features a red header "Preview document Jvet-L0671". Below this is a section titled "Document Information" with a red underline. It contains the following details: "Submitted by: Jvet Partner (fhs)", "Title: Checkback of Jvet-L0670 (Simplified DMM for inclusion in VVC)", "Authors: V. Sengul", and "Document: Jvet-L0671 upload document". To the right of this section is a heading "Associated Resources". At the bottom of the central area is a "Comments" section with a red underline. On the far right, there is a QR code. The interface uses a clean, modern design with a light blue and white color scheme and red accents for headings and underlines.

MEETING NOTES

external meeting notes

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

  	Joint Video Experts Team (JVET) of ITU-T SG21 WP3/21 and ISO/IEC JTC 1/SC 29 12th Meeting: Macao, October 2018	Document: JVET-L0671
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-L0671](#) Crosscheck of JVET-L0670 (Simplified DMVR for inclusion in VVC) [T. Chujoh (Sharp)] [late]

The cross-checker remarked that the software codebase used to test the scheme was based on CE9 software with some simplifications.

Bidirectional optical flow

CITATION

T.Chujoh, "Crosscheck of JVET-L0670 (Simplified DMVR for inclusion in VVC)", JVET-L0671, 12th Meeting: Macao, October 2018.

REFERENCES

1. [S. Esenlik, Y.-W. Chen, F. Chen, "Description of Core Experiment 9 \(CE9\): Decoder Side Motion Vector Derivation", JVET-K1029, 11th Meeting: Ljubljana, July 2018.](#)
2. [S. Esenlik, A. M. Kotra, B. Wang, H. Gao, J. Chen, S. Sethuraman, "Simplified DMVR for inclusion in VVC", JVET-L0670, 12th Meeting: Macao, October 2018.](#)