

**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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Document: JVET-K0080-v3

MPEG: m43002

Title: CE4-2.6 related : Simplified ATMVP with fixed sub-block size.

Status: Input document to JVET

Purpose: Proposal

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Source: LGE

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Abstract

This contribution is related to CE4-2.6 but proposes a new simplified ATMVP by applying following three aspects;

- One fixed collocated picture is used to derive temporal motion information
- Sub-block size is fixed to 8x8
- ATMVP is disallowed for merge candidate when block size is smaller than sub-block size

For the suggestion, three experimental results are reported in this contribution. The first experimental test (test(a)) represent the test results on simplified ATMVP with fixed 4x4 sub-block size. This result is identical with CE4.2.6(a). The second experimental test(test(b)) represent the test results on simplified ATMVP with fixed 8x8 sub-block size instead of the adoptive sub-block decision and the third test (test(c)) represents second experimental test with ATMVP disabling when block size is smaller than sub-block size. Simulation results for this contribution is summarized as below.

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CARD

JVET-K0080

<http://vexpertise.stbit.ru/documents/JVET-K0080>

The image shows a web interface for 'JVET Search'. At the top, there are four author names in rounded rectangular buttons: 'Hyungsun Jung', 'J. Lim', 'Jungtak Nam', and 'S. Kim'. Below these, the search result is displayed as 'CE4-2.6 related : Simplified ATMVP with fixed sub-block size.' followed by 'Authors:'. The main content area has two sections: 'ABSTRACT' and 'MEETING NOTES'. Each section contains several horizontal blue bars of varying lengths, representing placeholder text. In the bottom right corner, there is a QR code.

SOURCE

external source

https://jvet-experts.org/doc_end_user/current_document.php?id=3583

The screenshot displays the Jvett document management system interface. At the top, a dark blue header contains the text "JVET DOCUMENT MANAGEMENT SYSTEM" and "Joint Adult Experts Team". Below the header, a light blue sidebar on the left lists navigation options: "User", "Login", "Create new user", "Claim your password", and "Contact". The main content area has a light blue background and features a red header "Preview document JVET-K0080". Below this, a red section titled "Document Information" contains details: "Submitted by" (Jens-Peter Oten), "Title" (CE-2.2.6 related - Simplified ATNVM with fixed sub-block size), "Authors" (V. Sengler), and "Document" (JVET-K0080, linked document). To the right of the "Document Information" section, the text "Associated Resources" is visible. At the bottom of the main content area, a red section titled "Comments" is shown, but it is empty. A QR code is located in the bottom right corner of the interface.

ARCHIVE

archive v3

https://jvet-experts.org/doc_end_user/documents/11_Ljubljana/wg11/JVET-K0080-v3.zip

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- XLS** JVET-K0080_TestA_tooloff_tester.xlsm
- XLS** JVET-K0080_TestA_toolon_tester.xlsm
- XLS** JVET-K0080_TestB_tooloff_tester.xlsm
- XLS** JVET-K0080_TestB_toolon_tester.xlsm
- XLS** JVET-K0080_TestC_tooloff_tester.xlsm
- XLS** JVET-K0080_TestC_toolon_tester.xlsm

MEETING NOTES

external meeting notes

http://vexpertise.stbit.ru/meeting-notes/source/meeting_11_k

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MEETING NOTES

[JVET-K0080](#) CE4-2.6 related: Simplified ATMVP with fixed sub-block size [H. Jang, J. Lim, J. Nam, S. Kim (LGE)]

This contribution was discussed together with JVET-K0346.

CITATION

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