

**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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Purpose: Proposal

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Abstract

This contribution reports the crosscheck results of JVET-AN0299. It is proposed to modified the MDIP list construction and the MPM list construction in JVET-AN0299. The proposed method is implemented on top of ECM-18.0 software. The crosscheck results are summarized as follows,

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Introduction

In ECM18.0, the MPM list are composed of the dimd mode, dimdBlendModes, intra modes of the left (L), above (A), below-left (BL), above-right (AR), and above-left (AL) neighbouring blocks, and the intra modes of non-neighbouring blocks. If MPM sorting is enabled, up to 5 modes with the smallest SAD cost are added. The SAD cost is computed between the prediction and the reconstruction samples of the template. The directional modes with added offset are added into the general MPM list, and then the default modes, until the general MPM list with 22 entries is constructed. The MPM list is also used in TIMD candidate list generation process [1].

And in the derivation process of the mdip mode, up to 8 candidate modes can be added. Then the existing candidates are reordered. If there are 0 available candidates, the DC mode is added.

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ABSTRACT

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Joint Video Experts Team (JVET) of ITU-T SG21 WP3/21 and ISO/IEC JTC 1/SC 29

40th Meeting: Geneva, CH, October 2025

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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-AN0309](#) Crosscheck of JVET-AN0299 (Non-EE2: Improvement for candidates on MPM) [L. Xu (OPPO)] [late]

Inter (3)

Contributions in this area were discussed during 1035–1115 on Monday 6 Oct. 2025 (chaired by JRO).

CITATION

L. Xu, "Crosscheck of JVET-AN0299 (Non-EE2: Improvement for candidates on MPM)", JVET-AN0309, 40th Meeting: Geneva, CH, October 2025.

REFERENCES

1. [W. Niu, Z. Li, S. Xie, M. Jia, Y. Bai, C. Huang, "Non-EE2: Improvement for candidates on MPM", JVET-AN0299, 40th Meeting: Geneva, CH, October 2025.](#)