

**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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Abstract

This contribution is a resubmission of JVET-M0129. It is asserted that, if the group adopts a sub-picture-based video coding design, e.g., JVET-N0107, that allows different sub-pictures to have different tile configurations, then there would be no need to additionally have a flexible tiling scheme that allows to partition a picture into tiles in a manner that is more flexible than the current tiling scheme, where tiles are always in tile rows and tile columns.

This contribution firstly analyzes scenarios that benefit from a flexible tiling scheme. In this contribution, flexible tiling refers to partitioning of picture into tiles in a manner that is more flexible than the current tiling scheme for VVC, which is the same as in HEVC, where tiles are always in tile rows and tile columns.

An observation from the analysis was that some tiles resulted from the current tiling scheme need to be further split into multiple tile rows. Therefore, it was asserted that, for flexible tiling support in VVC, it would be sufficient to just allow further splitting some tiles resulted from the current tiling into some second-level tile rows and tile columns.

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LINKS

CARD

JVET-N0111
<http://vexpertise.stbit.ru/documents/JVET-N0111>

JVET Search

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AHG12: Flexible tiling

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ABSTRACT

MEETING NOTES



SOURCE

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Preview document JVET-N0111

Document Information

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Comments

Associated Resources



ARCHIVE

archive v1
https://jvet-experts.org/doc_end_user/documents/14_Geneva/wg11/JVET-N0111-v1.zip

Archive

DOC

JVET-N0111-v1.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-N0111

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-N0111](#) AHG12: Flexible tiling [Y.-K. Wang, Hendry, M. Sychev (Huawei)]

See the notes for JVET-N0066.

CITATION

Y.-K. Wang, Hendry, M. Sychev, "AHG12: Flexible tiling", JVET-N0111, 14th Meeting: Geneva, March 2019.

REFERENCES

1. [Y.-K. Wang, Hendry, R. Sjöberg, S. Deshpande, "Spec text for the agreed starting point on slicing and tiling", JVET-L0686, 12th Meeting: Macao, October 2018.](#)
2. [Y.-K. Wang, Hendry, M. Sychev, "AHG12: On flexible tiling", JVET-M0129, 13th Meeting: Marrakech, January 2019.](#)
3. [Y.-K. Wang, Hendry, J. Chen, "AHG12: Sub-picture based video coding", JVET-N0107, 14th Meeting: Geneva, March 2019.](#)