

**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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Abstract

JVET-Q0120 proposed to remove `loop_filter_across_slices_enabled_flag` as alleged when similar control for the subpicture boundaries is in place, the flag usage is diminished. This contribution describes the usage of `loop_filter_across_slices_enabled_flag` to consolidate its usefulness.

Introduction

In the VVC Draft 8 [1], Fig. 4, Fig.5, and Fig. 6 are informative illustrations (see above from left to right) for CTU, tile, and slice. For control of the loop filtering operations in the decoding process, the two control flags, `loop_filter_across_slices_enabled_flag` and `loop_filter_across_tiles_enabled_flag`, are specified in the PPS as highlighted below.

slice: An integer number of complete tiles or an integer number of consecutive complete CTU rows within a tile of a picture that are exclusively contained in a single NAL unit.

subpicture: A rectangular region of one or more slices within a picture.

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AHG9/AHG12: On tile, slice, and related loop filter control flags

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ABSTRACT

MEETING NOTES



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Document Information

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Associated Resources

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ARCHIVE

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MEETING NOTES

external meeting notes

https://www.itu.int/wftp3/av-arch/jvet-site/2020_04_R_Alpbach/JVET-R_Notes_dH.docx

Joint Video Experts Team (JVET) of ITU-T SG21 WP3/21 and ISO/IEC JTC 1/SC 29 18th Meeting: Teleconference, April 2020

Document: JVET-R0109

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-R0109 AHG9/AHG12: On tile, slice, and related loop filter control flags [L. Chen, C.-W. Hsu, C.-M. Tsai, O. Chubach, Y.-W. Huang, S.-M. Lei (MediaTek)]

See the notes for JVET-R0069.

CITATION

L. Chen, C.-W. Hsu, C.-M. Tsai, O. Chubach, Y.-W. Huang, S.-M. Lei, "AHG9/AHG12: On tile, slice, and related loop filter control flags", JVET-R0109, 18th Meeting: Teleconference, April 2020.

REFERENCES

1. [L. Zhang, Y.-K. Wang, K. Zhang, "AHG12: Control of loop filtering across subpicture/tile/slice boundaries", JVET-Q0120, 17th Meeting: Brussels, January 2020.](#)

2. [B. Bross, J. Chen, S. Liu, Y.-K. Wang, "Versatile Video Coding \(Draft 8\)", JVET-Q2001, 17th Meeting: Brussels, January 2020.](#)