

**Joint Video Experts Team (JVET)
of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC
29/WG 11**

Document: JVET-R0113-v2

MPEG: m53080

18th Meeting: Teleconference, April 2020

Title: AHG9: On Picture Parameter Set

Status: Input document to JVET

Purpose: Proposal

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Abstract

This contribution includes two proposals for modifications in the picture parameter sets (PPS). It is asserted that the proposed modification removes redundancy by only signaling some flags when the value of them are actually useful. In summary it is proposed to

Only signal `loop_filter_across_tiles_enabled_flag` when there is more than one tile.

Not signal the flags that indicate if parameters are signalled in picture header or in slice header, when there is no picture partitioning.

Proposal 1

The flag `loop_filter_across_tiles_enabled_flag` indicates whether loop filtering is performed across tile boundaries or not. However, if the entire picture is a single tile, this syntax element will have no impact. It is suggested to move `loop_filter_across_tiles_enabled_flag` to the location where there is already a check for `if( NumTilesInPic > 1 )` as shown below:

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LINKS

CARD

JVET-R0113

<http://vexpertise.stbit.ru/documents/JVET-R0113>

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AHG9: On Picture Parameter Set

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ABSTRACT

MEETING NOTES



SOURCE

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Document Information

Submitted by: Jonathan Samuelsson

Title: AHG9: On Picture Parameter Set

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Document: JVET-R0113

Associated Resources

Comments



ARCHIVE

archive v2

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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-R0113

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-R0113](#) AHG9: On Picture Parameter Set [J. Samuelsson, S. Deshpande, A. Segall (Sharp)]

Item 2 of this contribution belongs to this category.

Item 2 proposes that, when there is no picture partitioning, not to signal the PPS-level flags that indicate whether parameters are signalled in picture header or in slice header (e.g., `rpl_info_in_ph_flag`, `sao_info_in_ph_flag`, etc. – six flags) always send these in the SH. Infer them to be equal to 0. (JVET-R0113 proposal 2).

This is related to JVET-R0251 item 3.

[JVET-R0113](#) AHG9: On Picture Parameter Set [J. Samuelsson, S. Deshpande, A. Segall (Sharp)]

Item 1 of this contribution belongs to this category. See the notes in section 6.2.2.1 under JVET-R0053.

CITATION

J. Samuelsson, S. Deshpande, A. Segall, "AHG9: On Picture Parameter Set", JVET-R0113, 18th Meeting: Teleconference, April 2020.