

**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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Title: AHG8/AHG9: On signalling of syntax element max_tid_il_ref_pics_plus1

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Abstract

It is asserted that the signalling of max_tid_il_ref_pics_plus1[i] does not provide optimal mechanism to support the intended feature for assisting removal of temporal sublayer in non-output layers in an OLS during bitstream extraction process. This is because the signalling only specifies on value of max temporal Id for that a layer uses for inter-layer prediction while the layer may actually have multiple reference layers.

This contribution proposed to signal max_tid_il_ref_pics_plus1 value for each direct reference layer of a layer.

Introduction

The current signalling of related to syntax element max_tid_il_ref_pics_plus1[i] is asserted to be not optimal for supporting the intended functionality. The syntax element is designed to allow derivation of variable NumSubLayersInLayerInOLS[i][j] that specify the number of sublayers in the j-th layer in the i-th OLS. This variable can be used in bitstream extraction process to remove pictures in sublayer(s) within a layer that is not an output layer in the extracted output layer set. However, it is asserted that such mechanism is not optimal when a layer uses more than one reference layer for inter-layer prediction and the number of sublayers used from each of the reference layers are not the same.

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<http://vexpertise.stbit.ru/documents/JVET-R0193>

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ABSTRACT

MEETING NOTES

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Comments

ARCHIVE

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https://jvet-experts.org/doc_end_user/documents/18_Alpbach/wg11/JVET-R0193-v2.zip

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-R0193

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Status: Report document from the chair of JVET

Purpose: Report

1 Summary

MEETING NOTES

JVET-R0193 AHG8/AHG9: On signalling of syntax element max_tid_il_ref_pics_plus1 [Hendry, S. Paluri, S. Kim (LGE)]

CITATION

Hendry, S. Paluri, S. Kim, Y. Sanchez, R. Skupin, "AHG8/AHG9: On signalling of syntax element max_tid_il_ref_pics_plus1", JVET-R0193, 18th Meeting: Teleconference, April 2020.

REFERENCES

- [B. Choi, S. Wenger, S. Liu, "AHG8/AHG9: On derivation of sublayer number in output layer set", JVET-R0119, 18th Meeting: Teleconference, April 2020.](#)
- [Y. Sanchez, R. Skupin, K. Suehring, T. Schierl, "AHG9: On sublayer references", JVET-R0296, 18th Meeting: Teleconference, April 2020.](#)