

**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: AHG9/AHG12: Improvements on `sps_independent_subpics_flag` and `nal_unit_type` constraint

Status: Input document to JVET

Purpose: Proposal

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Source: Sony

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Abstract

This contribution proposes two improvements, including

when `sps_independent_subpics_flag` is not present, `sps_independent_subpics_flag` should be inferred to be equal to 1 (=treat as picture).

to apply the current `nal_unit_type` constraints to a bitstream of a subpicture sequence from single-layer bitstream which `mixed_nalu_types_in_pic_flag` is equal to 1.

improvement of `sps_independent_subpics_flag` semantics

Introduction

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LINKS

CARD

JVET-R0136
<http://vexpertise.stbit.ru/documents/JVET-R0136>

JVET Search

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AHG9/AHG12: Improvements on sps_independent_subpics_flag and nal_unit_type constraint

Authors:

ABSTRACT

MEETING NOTES



SOURCE

external source
https://jvet-experts.org/doc_end_user/current_document.php?id=9780

JVET

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Preview document JVET-R0136

Document Information

Submitted by: Jorma Paavola Ojan

Title: AHG9/AHG12: Improvements on sps_independent_subpics_flag and nal_unit_ty

Authors: V. Seregin

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Comments

Associated Resources



ARCHIVE

archive v1
https://jvet-experts.org/doc_end_user/documents/18_Alpbach/wg11/JVET-R0136-v1.zip

Archive

DOC

JVET-R0136-v1.docx



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-R0136

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-R0136](#) AHG9/AHG12: Improvements on sps_independent_subpics_flag and nal_unit_type constraint [M. Katsumata, M. Hirabayashi, T. Suzuki (Sony)]

Item 2 of this contribution belongs to this category.

[JVET-R0276](#) AHG9: On IRAP NAL constraint for reordered subpictures [V. Seregin, Y. He, M. Coban, M. Karczewicz (Qualcomm)]

[JVET-R0136](#) AHG9/AHG12: Improvements on sps_independent_subpics_flag and nal_unit_type constraint [M. Katsumata, M. Hirabayashi, T. Suzuki (Sony)]

Item 1 of this contribution belongs to this category.

CITATION

M. Katsumata, M. Hirabayashi, T. Suzuki, "AHG9/AHG12: Improvements on sps_independent_subpics_flag and nal_unit_type constraint", JVET-R0136, 18th Meeting: Teleconference, April 2020.

REFERENCES

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