

**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

Document: JVET-N0867-v1

MPEG: m47989

Title: Harmonized proposal on HRD parameters for temporal scalability

Status: Input document to JVET

Purpose: Proposal

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Source: Panasonic, HHI

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Abstract

This document presents a harmonized proposal of JVET-N0062 and JVET-N0351 for signalling of HRD parameters for temporal scalable bitstreams.

It is asserted that the HEVC solution for specifying and signalling the HRD parameter for temporal scalability (non-scalable nested SEI messages per AU for each temporal layer) comes at an undesirable signalling and implementation burden. Furthermore, it led external organizations such as DVB to avoid the specified solution and impose further constraints on bitstream structure that are detrimental to coding efficiency. Detailed problem descriptions can be found in documents JVET-N0062 and JVET-N0351.

The proposal is to specify and signal HRD parameters in temporal scalable VVC bitstreams for each AU in a single picture timing SEI message, without the need for non-scalable nesting SEI messages.

Introduction

This document presents a harmonized proposal of JVET-N0062 and JVET-N0351 for signalling of HRD parameters for temporal scalable bitstreams.

Built from JVET-N0867.docx

LINKS

CARD

JVET-N0867

<http://vexpertise.stbit.ru/documents/JVET-N0867>

JVET Search

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Harmonized proposal on HRD parameters for temporal scalability

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ABSTRACT

MEETING NOTES



SOURCE

external source

https://jvet-experts.org/doc_end_user/current_document.php?id=6622

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Preview document JVET-N0867

Document Information

Submitted by: Yago Sanchez

Title: Harmonized proposal on HRD parameters for temporal scalability

Authors: V. Sanchez

Document: JVET-N0867

Associated Resources

Comments



ARCHIVE

archive v1

https://jvet-experts.org/doc_end_user/documents/14_Geneva/wg11/JVET-N0867-v1.zip

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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-N0867

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-N0867](#) Harmonized proposal on HRD parameters for temporal scalability [V. Drugeon (Panasonic), R. Skupin, Y. Sanchez (HHI)] [late]

This was discussed in the HLS BoG

Complexity analysis and reduction (3)

CITATION

V. Drugeon, R. Skupin, Y. Sanchez, "Harmonized proposal on HRD parameters for temporal scalability", JVET-N0867, 14th Meeting: Geneva, March 2019.

REFERENCES

1. [V. Drugeon, "AHG19: Signalling HRD models for HFR backwards compatible bitstreams", JVET-N0062, 14th Meeting: Geneva, March 2019.](#)
2. [R. Skupin, Y. Sanchez, K. Suehring, T. Schierl, "AHG17: HRD starting point", JVET-N0350, 14th Meeting: Geneva, March 2019.](#)
3. [R. Skupin, Y. Sanchez, K. Suehring, T. Schierl, "AHG17: HRD parameters for temporal scalability", JVET-N0351, 14th Meeting: Geneva, March 2019.](#)