

**Joint Video Experts Team (JVET)
of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC
29/WG 11**
18th Meeting: Teleconference, April 2020

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Title:	Cross-check of JVET-R0076 (AHG9/AHG15: Chroma QP mapping table cleanups)
Status:	Input document to JVET
Purpose:	Proposal
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Source:	Qualcomm

HEADER EXCERPT FROM SOURCE DOCUMENT

Abstract

This document provides a partial cross-check of the results presented in Section 2.4 of JVET-R0076-v3. The cross-check covers the proposal to modify the chroma QP mapping table specified for the AI, RA and LDB common test conditions. For simulations that are completed, it is reported that the results of the cross-checker match that of the authors provided in Section 2.4 of JVET-R0076-v3 and corresponding Excel files (excluding some negligible differences due to rounding in the RA configuration).

Introduction

The JVET CTC uses chroma QP mapping tables to derive the chroma QP value from the luma QP values. The mapping table is signalled in the bitstream. The VTM-8.0 parameters the chroma QP mapping tables are specified in the configuration files as follows:

AI:

QpInValCb: 1 31 43 QpOutValCb: 1 32 41

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LINKS

CARD

JVET-R0489

<http://vexpertise.stbit.ru/documents/JVET-R0489>

JVET Search

Adarsh Krishnan Ra (m63967)

Cross-check of JVET-R0076 (AHG9/AHG15: Chroma QP mapping table cleanups)

Authors:

ABSTRACT

MEETING NOTES



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Document Information

Submitted by: Jitesh Rajeev Chou

Title: Cross-check of JVET-R0076 (AHG9/AHG15: Chroma QP mapping table cleanups)

Authors: V. Samra

Document: JVET-R0489 (draft document)

Associated Resources

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ARCHIVE

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https://jvet-experts.org/doc_end_user/documents/18_Alpbach/wg11/JVET-R0489-v1.zip

Archive

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JVET-R0489-xCheck-of-JVET-R0076-setting1.xlsm

XLS

JVET-R0489-xCheck-of-JVET-R0076-setting2.xlsm

DOC

JVET-R0489.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-R0489

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-R0489](#) Cross-check of JVET-R0076 (AHG9/AHG15: Chroma QP mapping table cleanups) [A. K. Ramasubramonian (Qualcomm)] [late]

[JVET-R0272](#) AHG9: On chroma QP offsets in picture header [K. Misra, J. Samuelsson, S. Deshpande, F. Bossen, A. Segall (Sharp)]

See the notes above for JVET-R0073.

CITATION

A. K. Ramasubramonian, "Cross-check of JVET-R0076 (AHG9/AHG15: Chroma QP mapping table cleanups)", JVET-R0489, 18th Meeting: Teleconference, April 2020.

REFERENCES

1. [J. Xu, L. Zhang, Y.-K. Wang, K. Zhang, Z. Deng, "AHG9/AHG15: Chroma QP mapping table cleanups", JVET-R0076, 18th Meeting: Teleconference, April 2020.](#)