

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

Document: JVET-N0765-v1
MPEG: m47818

14th Meeting: Geneva, March 2019

Title:	Crosscheck of JVET-N0106 (CE7-related: TU level limits on context-coded bins for coefficient coding)
Status:	Input document to JVET
Purpose:	Proposal
Author(s) or Contact(s):	C.-Y. Lai jenny.lai@mediatek.com (MediaTek)
Source:	MediaTek

HEADER EXCERPT FROM SOURCE DOCUMENT

Abstract

This document crosschecks the JVET-N0106 document, which proposes to limit the total number of context-coded bins for coefficient coding at TU-level. The limit is set to number of non-zero coded coefficient groups in a TU times the existing regular coded bin count limit at coefficient group level (2 bins/coefficient). The verification task was done, and the BD-rate results match exactly with those in JVET-N0106.

Verification

Qualcomm proposed to limit the total number of context-coded bins for coefficient coding at TU-level [1]. The limit is set to number of non-zero coded coefficient groups in a TU times the existing regular coded bin count limit at coefficient group level (2 bins/coefficient).

The test was conducted under the the common test conditions (CTC) defined in [2] using the VTM4.0 software [3]. Table 1 shows the results using VTM4.0 as the anchor and enabling the proposed method in the test. The BD-rates of our experiment match exactly those in JVET-N0106. Our runtime comparison may be not accurate.

Table 1. The results of JVET-N0106 using VTM4.0 as anchor

Built from JVET-N0765-v1.docx

LINKS

CARD

JVET-N0765

<http://vexpertise.stbit.ru/documents/JVET-N0765>

JVET Search

C.-Y. Lai765(m47818)

Crosscheck of JVET-N0106 (CE7-related: TU level limits on context-coded bins for coefficient coding)

Authors:

ABSTRACT

MEETING NOTES

SOURCE

external source

https://jvet-experts.org/doc_end_user/current_document.php?id=6520

JVET DOCUMENT MANAGEMENT SYSTEM
Joint Video Experts Team

JVET

User

Login

Create new user

Claim your password

Contact

Preview document JVET-N0765

Document Information

Submitted by: Jorma-Pekker Ojan

Title: Crosscheck of JVET-N0106 (CE7-related: TU level limits on context-coded)

Authors: V. Seregin

Document: JVET-N0765 (draft document)

Associated Resources

Comments

ARCHIVE

archive v1

https://jvet-experts.org/doc_end_user/documents/14_Geneva/wg11/JVET-N0765-v1.zip

Archive

DOC

JVET-N0765-v1.docx

XLS

JVET-N0765_Results_Table1.xlsm

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-N0765

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-N0765](#) Crosscheck of JVET-N0106 (CE7-related: TU level limits on context-coded bins for coefficient coding) [C.-Y. Lai (MediaTek)] [late]

CITATION

C.-Y. Lai, "Crosscheck of JVET-N0106 (CE7-related: TU level limits on context-coded bins for coefficient coding)", JVET-N0765, 14th Meeting: Geneva, March 2019.

REFERENCES

1. [F. Bossen, J. Boyce, X. Li, V. Seregin, K. Sühning, "JVET common test conditions and software reference configurations for SDR video", JVET-M1010, 13th Meeting: Marrakech, January 2019.](#)

2. [M. Coban, M. Karczewicz, "CE7-related: TU level limits on context-coded bins for coefficient coding", JVET-N0106, 14th Meeting: Geneva, March 2019.](#)