

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

17th Meeting: Brussels, January 2020

Document: JVET-Q0617-v1

MPEG: m52560

Title: Crosscheck of JVET-Q0146 (Simplified bypass coding of transform regular residual)

Status: Input document to JVET

Purpose: Proposal

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Source: Sony

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Abstract

This contribution reports the cross-check results of the JVET-Q0146 (Simplified bypass coding of transform regular residual) [1], which proposes two variants Method1) derivation of ZeroPos[n] in TSRC without QState dependency, and Method2) derivation of ZeroPos[n] in TSRC depending on intra block or not. The source code provided by the proponent was carefully analyzed and found to be consistent with the description in JVET-Q0146. The cross-checker's results matched with the results reported in JVET-Q0146.

Note: Some results are not finished and will be updated in a revision of the document.

Note: Runtime seems a bit fluctuated due to cross-checker's clusters in heavy load and decoder runtimes will be updated.

Simulation Results

Following simulations were carried out :

Built from JVET-Q0617_v1.docx

LINKS

CARD

JVET-Q0617

<http://vexpertise.stbit.ru/documents/JVET-Q0617>

JVET Search

T. Tsukuba

Takashi Tsukuba

Crosscheck of JVET-Q0146 (Simplified bypass coding of transform regular residual)

Authors:

ABSTRACT

MEETING NOTES



SOURCE

external source

https://jvet-experts.org/doc_end_user/current_document.php?id=9463

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Preview document JVET-Q0617

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ARCHIVE

archive v1

https://jvet-experts.org/doc_end_user/documents/17_Brussels/wg11/JVET-Q0617-v1.zip

DOC

JVET-Q0617_v1.docx

XLS

JVET-Q0617_xcheck_JVET-Q0146_Method1_CTC.xlsm

XLS

JVET-Q0617_xcheck_JVET-Q0146_Method1_LQP.xlsm

XLS

JVET-Q0617_xcheck_JVET-Q0146_Method2_CTC.xlsm

XLS

JVET-Q0617_xcheck_JVET-Q0146_Method2_LQP.xlsm



MEETING NOTES

external meeting notes

https://www.itu.int/wftp3/av-arch/jvet-site/2020_01_Q_Brussels/JVET-Q_Notes_dI.docx

Joint Video Experts Team (JVET) of ITU-T SG21 WP3/21 and ISO/IEC JTC 1/SC 29 17th Meeting: Brussels, January 2020

Document: JVET-Q0617

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-Q0617](#) Crosscheck of JVET-Q0146 (Simplified bypass coding of transform regular residual) [T. Tsukuba (Sony)] [late]

CITATION

T. Tsukuba, "Crosscheck of JVET-Q0146 (Simplified bypass coding of transform regular residual)", JVET-Q0617, 17th Meeting: Brussels, January 2020.

REFERENCES

1. [Y. Kato, K. Abe, T. Toma, "Simplified bypass coding of transform regular residual", JVET-Q0146, 17th Meeting: Brussels, January 2020.](#)