

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

Document: JVET-Z0099-v2

MPEG: m59429

26th Meeting, by teleconference, 20-29 April 2022

Title: AHG10: Deblocking in RDO and beta offset minus 2 for VTM

Status: Input document to JVET

Purpose: Proposal

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Abstract

Deblocking can provide a significant subjective benefit for VVC. At the last meeting the deblocking parameters were changed to be aligned with ECM since they provided an objective benefit while keeping subjective quality. To further improve objective benefits with maintained subjective quality, this contribution proposes to enable deblocking in RDO in CTC for RA and LD in VTM. It is also proposed to allow for more deblocking in VTM than ECM by a less restrictive setting. The proponents claim that this provides an additional objective benefit in VTM together with deblocking in RDO. This is also claimed to be identical with the deblocking settings in the alternative configurations for VTM (high complexity setting).

The reported results from enabling deblocking in RDO for VTM are as follows:

RA: -0.51%Y, -0.87%U, -0.84%V

LDB: -0.2%Y, -0.90%U, -1.00%V

Enabling deblocking in RDO and with the less restrictive settings (tC offset set to 0 and beta offset set to -2) for VTM:

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ABSTRACT

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Document Information

Submitted by: Jorma-Petteri Ojan

Title: AHG10: Deblocking in RDO and beta offset minus 2 for VTM

Authors: V. Sengul

Document: JVET-Z0099
updated document

Comments

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XLS JVET-Z0099_ECM-4.0_EncDbOpt-v1.xlsm

XLS JVET-Z0099_EncDbOpt-v2.xlsm

XLS JVET-Z0099_EncDbOpt_beta_m2-v2.xlsm

CITATION

K. Andersson, J. Enhorn, R. Sjöberg, J. Ström, L. Litwic, "AHG10: Deblocking in RDO and beta offset minus 2 for VTM", JVET-Z0099, 26th Meeting: by teleconference, April 2022.

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2. [D.Rusanovskyy, M.Karczewicz, K.Andersson, R.Sjöberg, L.Litwic, P.Nikitin, G.Martin-Cocher, A.Wieckowski, J.Brandenburg, B.Bross, "AHG10: VTM encoder configurations for tests targeting improved coding performance", JVET-Y0126, 25th Meeting: by teleconference, January 2022.](#)
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