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Abstract

This contribution proposes a refined low latency and controlled complexity (LLCC) configuration for cloud gaming (JVET-Y0043) by disabling MTS for low latency and controlled complexity video applications such as cloud gaming.

In JVET-Y0043, it was agreed to modify LDB configuration to restrict the number of reference frames to 2. This contribution proposes to disable Multiple Transform Set (MTS) tool in LDB configuration for class TGM and Gaming.

Following results are reported by disabling MTS Class Gaming on top of VTM-15.0:

Test 1: LD-B 4Ref: 0.%, 0.%, 0.1%, 9%, 9% Test 2: LD-B 2Ref: 0.69%, 0.47%, 0.21%, 94%, 95%

Following results are reported by disabling MTS Class TGM on top of VTM-15.0:

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LINKS

CARD

JVET-Z0116

<http://vexpertise.stbit.ru/documents/JVET-Z0116>

JVET Search

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ABSTRACT

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Submitted by: Jorma Paavola Oksa

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ARCHIVE

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https://jvet-experts.org/doc_end_user/documents/26_Teleconference/wg11/JVET-Z0116-v2.zip

DOC

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XLS

VTM-15.0-LDB-1IP-2Ref-ClassF-TGM-MTS-OFF-MTSImplicit-OFF.xlsm

XLS

VTM-15.0-LDB-1IP-2Ref-ClassF-TGM-MTS-OFF-MTSImplicit-ON.xlsm

XLS

VTM-15.0-LDB-1IP-2Ref-ClassGaming-MTS-OFF-MTSImplicit-OFF.xlsm

XLS

VTM-15.0-LDB-1IP-2Ref-ClassGaming-MTS-OFF-MTSImplicit-ON.xlsm

XLS

VTM-15.0-LDB-1IP-4Ref-ClassF-TGM-MTS-OFF-MTSImplicit-OFF.xlsm

XLS

VTM-15.0-LDB-1IP-4Ref-ClassF-TGM-MTS-OFF-MTSImplicit-ON.xlsm

XLS

VTM-15.0-LDB-1IP-4Ref-ClassGaming-MTS-OFF-MTSImplicit-OFF.xlsm

CITATION

S. Puri, P. Le Guyadec, K. Naser, G. Martin-Cocher, T. Poirier, "AHG7: Refined low latency and controlled complexity configuration for cloud gaming", JVET-Z0116, 26th Meeting: by teleconference, April 2022.

REFERENCES

1. [G. Martin-Cocher, M. badawi, T. Poirier, S. Puri, K. Naser, "AhG-7 AhG-7 Proposed new class of gaming sequences with depth and optical flow information", JVET-Y0041, 25th Meeting: by teleconference, January 2022.](#)
2. [G. Martin-Cocher, S. Puri, T. Poirier, K. Naser, J. Xu, D. Nicholson, M. Sychev, L. Wang, S. Liu, W. Yang, J.M. Tiesse, M. Karczewicz, "AHG-7 LLCC Scenarios and baseline configurations", JVET-Y0043, 25th Meeting: by teleconference, January 2022.](#)