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ISO/IEC JTC 1/SC 29/WG 2
MPEG TECHNICAL REQUIREMENTS**

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Title: [VCM] Cross-check of m73454

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Abstract

This document presents the results of crosschecking the “Enhancement Decoding Process of Temporal Restoration in VCM” [1].

1. Procedure description

We have downloaded and launched the software from the Gitlab repository provided by the proponent [1]. We have performed the encoding and evaluation using the machines with the following specification:

Processor: Intel Core i7-12700K

RAM: 32 GB

GPU: nVidia RTX 4090.

Operating System: Ubuntu 22.04 (updated)

2. Cross-check results and comments

The detailed cross-check results and comparison with the original m73454 results [1] can be found in the attached excel file. All the bitrates match, since the inequalities come from different precision of the stored numbers.

All the metric values match.

The cross-check can be summarized as positive.

References

- [1] Huifen Wang, Li Fang, Enmin Lu, Qingsu Cheng, Yuan Zhang (China Telecom) “[VCM] Enhancement Decoding Process of Temporal Restoration in VCM”, doc. m73454, June 2025, Daejeon.