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CODING OF MOVING PICTURES AND ASSOCIATED AUDIO**

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**Title:** Cross-check results of CE2 on Multi-view Video Coding

**Status:** Cross-check results of CE2

**Source:** Poznań University of Technology

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This document is a cross-check report from verification of results provided by Sejong/ETRI for CE2 on MVC.

## Summary

This report presents a comparison of the results provided by Sejong/ETRI for illumination compensation experiment in Multiview Coding with the ones obtained at Poznań University of Technology using data provided by Sejong/ETRI.

## Verification

The provided compressed bitstreams were uncompressed using provided software and the resulting sequences were compared to the original ones in terms of PSNR.

Additionally, the sequence Ballroom was compressed using the provided software. Resulting bitstreams were processed as the ones provided by Sejong/ETRI to verify the whole chain of coding and decoding.

The results obtained at Poznań University of Technology are included in the accompanying Excel file. They are the same as the ones provided by Sejong/ETRI, except for sequences Race1 and Flamenco2 results. The results for them are slightly worse than the ones presented by Sejong/ETRI. The difference is less than 0.05 dB. It seems that last frames from some cameras give significantly worse PSNR (about 10dB less than the rest of frames). The cause of this difference is unknown.

## References

- [1] ISO/IEC JTC1/SC29/WG11 N8019, Description of Core Experiments in MVC, Montreux, Switzerland, April 2006
- [2] ISO/IEC JTC1/SC29/WG11 M13143, Result of CE2 on Multi-view Video Coding, Montreux, Switzerland, April 2006