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| *Title:* | **CE8 subset 1: Cross-verification result of Microsoft proposal by SKKU/SKT** | | |
| *Status:* | Input Document of JCT-VC | | |
| *Purpose:* | Information | | |
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# Abstract

This document contains a cross-verification result of CE8 Subset1 Microsoft proposal [1] by SKKU/SKT.

Cross-verification

The software which is based on TMuC 0.9 was provided on Dec. 13, 2010 by Microsoft. SKKU/SKT have reviewed the provided source codes, and found out that there was no software problem. The cross-verification was started on Dec. 14, 2010. It was done on Windows 2008 server OS and 64-bit version executable file was used for encoding and decoding. The cross-verification for all cases recommended by CE8 subset1 [2] has finished on Dec. 27, 2010.

# Results

SKKU/SKT verified the following items through a cross-verification. There was no mismatch between encoder and decoder YUV files. PSNR and bitrate results were identical to the results provided by Microsoft. The encoding/decoding time was also similar to what Microsoft provided. More detailed results are included in *JCTVC-D332\_CE8Subset1\_crosscheck\_results\_MS.xls* and *JCTVC-D332\_CE8Subset1\_crosscheck\_add\_results\_MS.xls*

# References

[1] Zhongbo Shi, Zhiwei Xiong, Xiaoyan Sun and Jizheng Xu “CE8 Subset1: Report of Content-Adaptive Deblocking,” JCTVC-D137, Jan. 2010.

[2] T. Yamakage, T. Chujoh, Y.W. Huang, K. Chono, I.S. Chong, T. Yamamoto, J. Lim, B. Jeon, J. Xu and M. Narroschke, “Description of CE8: In-loop filtering,” JCTVC-C508r1, Oct. 2010.