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| *Title:* | Non-SCE3.3: Crosscheck of JCTVC-N0061 on Inter-layer interpolation-based SAO filtering for SHVC | | |
| *Status:* | Input Document to JCT-VC | | |
| *Purpose:* | Proposal | | |
| *Author(s) or Contact(s):* | Xiang Li | Tel: Email: | +1 858 658 3923  [lxiang@qti.qualcomm.com](mailto:lxiang@qti.qualcomm.com) |
| *Source:* | Qualcomm Incorporated | | |

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# Abstract

This contribution reports the crosschecking results JCTVC-N0061 on inter-layer interpolation-based SAO filtering for SHVC. The simulation results reportedly matched those provided by the proponents.

# Introduction

In JCTVC-N0061, an adaptive restriction of Edge Offset (EO).offsets for the inter-layer SAO filter was proposed on top of JCTVC-M0114. The restrictions are calculated using the values of the same neighbouring pixels that are used for determining the edge index for the EO.

# Experimental results

We received the source code from the proponents, implemented in SHM-2.0, and did a very quick code study to verify that the proposed method was implemented as described. We used the common conditions [1] in our experiments and ran simulations for the cases of AI, RA, LD-B and LD-P.

The results matched what was provided by the proponents and are summarized as follows

## RD performance



# Conclusion

In this contribution, we have presented the results of our cross-check of JCTVC-N0061. The implemented algorithm is in line with the proponent’s description, and the simulation results also match those provided by the proponents.

# References

1. [X. Li](mailto:lxiang@qti.qualcomm.com), [J. Boyce](mailto:jill@vidyo.com), [P. Onno](mailto:patrice.onno@crf.canon.fr), [Y. Ye](mailto:yan.ye@interdigital.com), “Common SHM test conditions and software reference configurations”, JCTVC-M1009, Incheon, Korean, 18–26 Apr. 2013.