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| **Joint Collaborative Team on Video Coding (JCT-VC)**  **of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC 29/WG 11**  12th Meeting: Geneva, CH, 14–23 Jan. 2013 | Document: JCTVC-L0010 |

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| *Title:* | **JCT-VC AHG report: SHVC tool experiments (AHG10)** | | |
| *Status:* | AHG report input to JCT-VC | | |
| *Purpose:* | AHG report | | |
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| *Source:* | AHG | | |

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# Abstract

This document reports on the work of the JCT-VC ad hoc group on SHVC tool experiment (AHG10) between the 11th JCT-VC meeting in Shanghai, China (10–19 October 2012) and 12th JCT-VC meeting in Geneva, Switzerland (14–23 Jan. 2013), and lists the related input documents.

# Mandate

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| **Title and Email Reflector** | **Chairs** | **Meeting** |
| **SHVC tool experiments (AHG10)**  ([jct-vc@lists.rwth-aachen.de](mailto:jct-vc@lists.rwth-aachen.de))   * Establish configurations for SHVC tool experiments * Generate anchors used for SHVC tool experiments * Create reporting sheets for tool experiments * Provide configuration data two weeks after software is available * Discuss and identify additional issues related to SHVC tool experiments | X. Li (chair), J. Boyce, P. Onno, Y. Ye (vice‑chairs) | No |

# Summary of activities related to mandates

* Configurations for SHVC tool experiments were discussed via JCT-VC main email reflector.
* The configuration files of SHVC tool experiments, the anchor data and the reporting sheets were released on Nov. 16th 2012.
* Supplementary anchor data of SHVC tool experiments (LD-B case) and updated reporting sheets were announced on Dec. 13th 2012. To avoid confusion, the new data and template were made available upon request.

# Open issues related to SHVC tool experiments

* Whether YUV files should be output during decoding.
* Whether support temporal scalability in SHVC common test conditions.
* Whether test combined scalability (such as one spatial layer and one SNR layer)

# List of related input documents

* JCTVC-L0322: Supporting temporal scalability will not lead to much penalty in terms of coding efficiency
* [JCTVC-L0111](http://phenix.int-evry.fr/jct/doc_end_user/current_document.php?id=6895): Single-loop scalability
* [JCTVC-L0154](http://phenix.int-evry.fr/jct/doc_end_user/current_document.php?id=6938): Single-loop SNR scalability (SMUC reporting template was not used)

# Recommendations

The SHVC tool experimentAHG recommends for the JCT-VC to

* discuss open issues listed in section 3.
* review all input documents listed in Section 4.

# References

1. G. Sullivan, and J.-R. Ohm, “Meeting report of the 11th meeting of the Joint Collaborative Team on Video Coding (JCT-VC)”, Shanghai, CN, 10–19 Oct 2012.

# Appendix

Table 1Anchor results: SMUC-0.1.1 vs HM-8.1 simulcast

