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| **Joint Collaborative Team on 3D Video Coding Extension**  **of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC 29/WG 11**  12th Meeting: Warsaw, PL, 20–26 June 2015 | Document: JCT3V-L0005 |

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| *Title:* | **JCT-3V AHG Report: Texture and depth view packing (AHG5)** | | |
| *Status:* | AHG report input to JCT-3V | | |
| *Purpose:* | AHG report | | |
| *Author(s) or Contact(s):* | T. Senoh (NICT) | Email: | [senoh@nict.go.jp](mailto:senoh@nict.go.jkp) |
| *Source:* | AHG5 | | |

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# Abstract

This report summarizes the activities of the AhG5 on Texture/depth view packing that have taken place between the 11th JCT-3V meeting in Geneva and the 12th JCT-3V meeting in Warsaw. Activities focused on the investigation of approaches that would enable interoperability between depth map generation and view synthesis in the context of the SEI message. According to the investigation, JTC3V-K1006 was improved to JTC3V-K1006r1.

# Mandates

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| **Title** | **Chairs** | **Mtg** |
| **Texture / depth view packing (AHG5)**  ([jct-3v@lists.rwth-aachen.de](mailto:jct-3v@lists.rwth-aachen.de))   * To investigate approaches that would enable interoperability between depth map generation and view synthesis in the context of the SEI message. * To discuss and improve JCT3V-K1006. | T. Senoh | N |

# Activities

In order to enable the interoperability between depth map generation and view synthesis, the syntax and semantics description of the SEI message was further improved, by

- inserting "\_gvd" into parameter names which distinguish the parameters from already specified ones in other SEI messages,

- revising Table J-xx, which indicates the location of constituent pictures, to be more understandable straightly, and

- correcting some typos.

These improvements harmonize the draft with the 3D-HEVC DT7 (JCT3V-K1001). The revised draft was uploaded as JCT3V-K1006r1 and asked for the co-editor’s review.

# Recommendations

The recommendations of the Texture/depth view packing AHG are:

* Review Draft of Texture/Depth View Packing SEI message (JCT3V-K1006r1).
* Promote it to the DAM stage by integrating it into currently running AVC/PDAM2: Additional levels and Supplemental enhancement information.