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| *Title:* | **Mental Cross-check of JCTVC-J0073 - Graceful Handling of Frame-Packed Pictures by Ignorant Decoders** | | |
| *Status:* | Input Document to JCT-VC | | |
| *Purpose:* | Information | | |
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# Abstract

This document provides a mental cross-check for JCTVC-J0073- Graceful Handling of Frame-Packed Pictures by Ignorant Decoders [1].

# Cross-check

Document JCTVC-J0073 was studied and proposal in it was understood by author of this document.

A summary of the author’s understanding of the proposals in JCTVC-J0073 are as follows:

1. A proposal for extending the cropping rectangles signaling:
   * Any number output cropping rectangles can be provided in the SPS. New syntax element num\_pic\_cropping is defined in SPS to support this.
   * A target output cropping rectangle, indicated by TargetPicCropIdx variable, is either specified by external means, or, when not specified by external means, TargetPicCropIdx is equal to 0.
2. For side-by-side frame packing types defined in Frame packing SEI message (frame\_packing\_arrangement\_type equal to 3, 4 and 7) the number of cropping rectangles has to be at least two and TargetPicCropIdx equal to 0 causes output of constituent frames of a single view only.
3. VUI indications to assist upsampling when a constituent frame of a frame-packed decoded picture is output on a conventional two-dimensional display are proposed indicating the horizontal and vertical spacing between samples when displayed on a uniform sampling grid.

# References

1. M. M. Hannuksela, " AHG9 High-Level Syntax: Graceful Handling of Frame-Packed Pictures by Ignorant Decoders ,” 11- 20 July, 2012, JCTVC-J0073

# Patent rights declaration(s)

**Sharp Incorporated does not have current or pending patent rights relating to the technology described in this contribution.**