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| *Title:* | **Text changes for decisions on omnidirectional video SEI messages** | | |
| *Status:* | Input document to JCT-VC | | |
| *Purpose:* | Proposal | | |
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# Abstract

This contribution provides specification text changes, marked relative to JCTVC-AB1005-v1, for decisions on omnidirectional video SEI messages made by the JCT-VC. The changes are included in an attachment (enclosed in the same zip document).

Version 2 of this document provides additional specification text changes for the following aspects:

* A “short cut” mode, signalled in the ERP SEI message, for ERP full sphere covearge with guard-band capability.
* Removal of the packing\_type[ i ] syntax element from the RWP SEI message.

Version 1 of this document provides specification text changes for the following decisions noted in <http://wftp3.itu.int/av-arch/jctvc-site/2017_10_AC_Macao/JCTVC-AC_Notes_d1.doc>:

Decision:

* ERP SEI message (only persistence info in it)
* CMP SEI message (only persistence info in it)
* Omnidirectional projection rotation message
* RWP message (with guard band signalling, includes 2D coverage subset capability)
* Maybe/maybe-not: Sphere coverage message (pure metadata, no tilt) [Tentatively not.]

Note that the 4th decision above on RWP SEI message includes the following detailed decisions that are also noted in <http://wftp3.itu.int/av-arch/jctvc-site/2017_10_AC_Macao/JCTVC-AC_Notes_d1.doc>:

* Decision:
  + Added a constraint that each CMP face shall be a square.
    - Decision: Agreed.
  + Alignment of the syntax and semantics of the RWP SEI message with the RWP signalling in OMAF, including addition of guard band signalling, specifying the sizes of projected/packed pictures and regions in relative units (signalling of the width and height of the packed picture is part of this), and refinement of constraints of syntax element values (allowing overlapping packed regions is part of this).
    - Decision: This includes additional syntax elements:
      * constituent\_picture\_matching\_flag, for use with frame packing
      * packed\_picture\_width and packed\_picture\_height
      * “guard band” type signalling
  + Some minor bug fixes related to the presence of the RWP SEI message. Decision: Agreed.

# Patent rights declaration(s)

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