

**Joint Video Experts Team (JVET)
of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC
29/WG 11**

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Title: **JVET AHG report: 360° video coding tools and test conditions (AHG8)**

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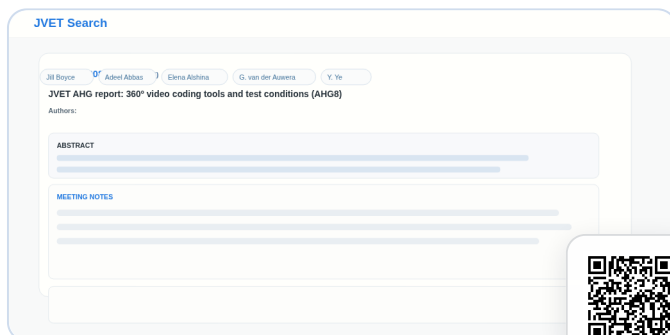
Purpose: Proposal

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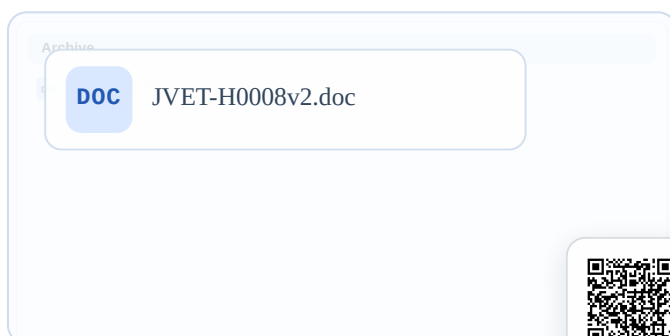
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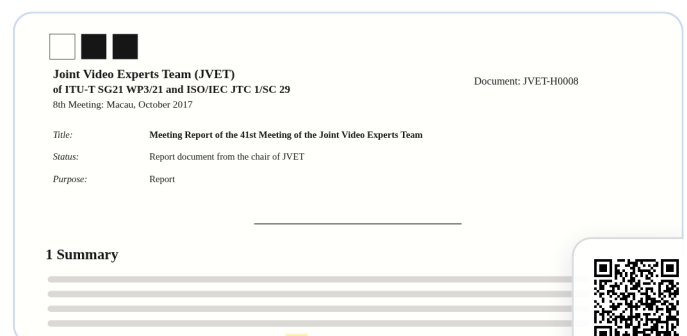
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MEETING NOTES

[JVET-H0008](#) JVET AHG report: 360° video coding tools and test conditions (AHG8) [J. Boyce, A. Abbas, E. Alshina, G. van der Auwera, Y. Ye]

This document summarizes the activity of AHG8: 360° video coding tools and test conditions between the 7th meeting in Torino, IT (13–21 July 2017) and the 8th meeting in Macao, CN, 18–24 Oct. 2017.

There were 7 contributions noted to be related to 360° video coding, which are classified below

- Projection formats and padding
 - [JVET-H0056](#) AHG8: An Update on RSP Projection [Adeel Abbas (GoPro)]
- Test Conditions and Evaluation
 - JVET-H0048 AhG8: Dynamic viewport based subjective evaluation of Balboa and Landing [P. Hanhart, Y. He, Y. Ye (InterDigital)]
 - JVET-H0050 AhG8: Measurement of User Exploration Behavior for Omnidirectional (360°) Videos with Head Mounted Display [A. Singla, S. Fremerey, A. Raake, P. List, B. Feiten]
 - JVET-H0049 AhG8: On viewport size and field of view [P. Hanhart, Y. He, Y. Ye (InterDigital)]
 - JVET-H0035 AHG8: The guidance of WS-PSNR weights derivation for different formats [Y. Sun, L. Yu (Zhejiang University)]
- Content
 - JVET-H0021 AHG8: Test Sequences for Spherical Video Coding from GoPro [A. Abbas (GoPro)]
 - JVET-H0022 AHG8: New Sequences for Virtual Reality Video Coding from InterDigital [Y. He, P. Hanhart, E. Asbun, Y. He, Y. Ye]

The AHG recommended the following:

- Review input contributions
- Review new 360° video test material, and consider adding or replacing test sequences for common test conditions and/or CfP
- Refine common test conditions for 360° video, including objective metrics and viewports
- Finalize the 360° video section of the Call for Proposals

CITATION

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