

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

Document: JVET-AO0184

MPEG: m75251

41st Meeting, by teleconference, 14-23 January 2026

Title: AHG17: Reporting on HDR coding metrics

Status: Input document to JVET

Purpose: Proposal

**Author(s) or
Contact(s):** [W. Husak](mailto:wjh@dolby.com) | wjh@dolby.com | submitter (Dolby)
[T. Nguyen Canh](mailto:canh.nguyen@dolby.com) | canh.nguyen@dolby.com (Dolby)
[P. Yin](mailto:pyin@dolby.com) | pyin@dolby.com (Dolby)
[Dmytro Rusanovskyy](mailto:dmytro.rusanovskyy@nokia.com) | dmytro.rusanovskyy@nokia.com (Nokia)

Source: Dolby, Nokia

HEADER EXCERPT FROM SOURCE DOCUMENT

Abstract

This contribution proposes clarification that wPSNR shall be used for HDR PQ content and PSNR shall be used for HDR HLG content when reporting objective HDR metrics in responses to the Call for Proposals on video compression with capability beyond VVC and no average between these metrics to be reported. This proposal is aligned with JVET-AM0287 On HDR coding and metrics and JVET-AC2011 Common Test Conditions for HDR/WCG.

It is also proposed to update the text of the Common Test Conditions for HDR/WCG by removing the requirements for deltaE100 and PSNRL100 metrics reporting of HDR QP content.

Problem statement

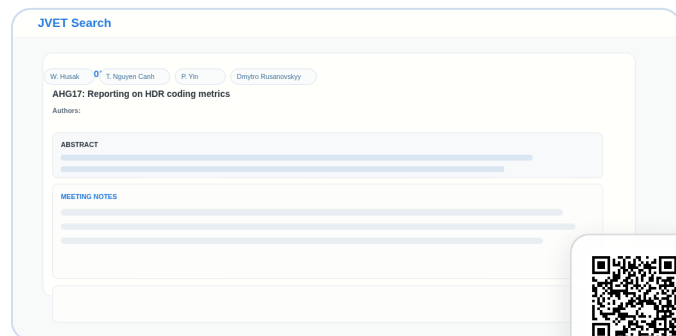
JVET-AM2026 [1], “Joint Call for Evidence on video compression with capability beyond VVC”, specifies two categories of HDR test content: HDR RA 4K (HRU) and HDR RA Cropped 8k (HRC) (see Table 1). JVET-AM2026 also specifies in Annex B that weighted PSNR metrics (wPSNR) should be used for HDR categories (see Table 2). However, it is noted that each HDR category includes a mixture of test content having different HDR transfer characteristics. For example, some HRU test content has HLG transfer characteristics and other test content has PQ transfer characteristics. The HRC category also has a mixture of HLG and PQ transfer characteristics.

Built from JVET-AO0184_HDR_v1.docx

CARD

JVET-AO0184

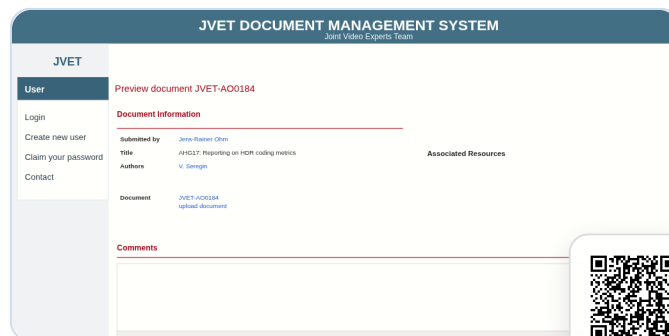
<http://vexpertise.stbit.ru/documents/JVET-AO0184>



SOURCE

external source

https://jvet-experts.org/doc_end_user/current_document.php?id=16548



ARCHIVE

archive

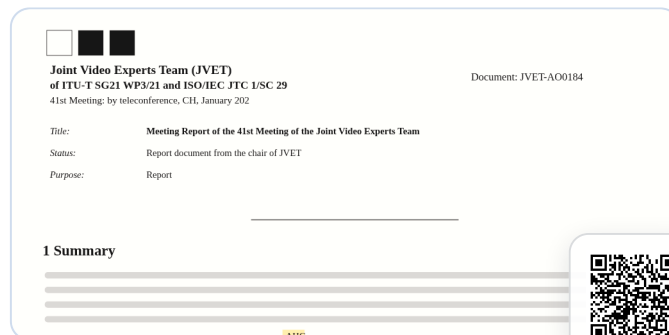
https://jvet-experts.org/doc_end_user/documents/41_Teleconference/wg11/JVET-AQ0184-v1.zip



MEETING NOTES

external meeting notes

https://www.itu.int/wftp3/av-arch/jvet-site/2026_01_AO_Virtual/JVET-AO_notes_dJ.docx



MEETING NOTES

JVET-AO0184 AHG17: Reporting on HDR coding metrics [W. Husak, T. Nguyen Canh, P. Yin (Dolby), D. Rusanovskyy (Nokia)]

This contribution proposes clarification that wPSNR shall be used for HDR PQ content and PSNR shall be used for HDR HLG content when reporting objective HDR metrics in responses to the Call for Proposals on video compression with capability beyond VVC and no average between these metrics to be reported. This proposal is aligned with JVET-AM0287 On HDR coding and metrics and JVET-AC2011 Common Test Conditions for HDR/WCG.

It is also proposed to update the text of the Common Test Conditions for HDR/WCG by removing the requirements for deltaE100 and PSNRL100 metrics reporting of HDR QP content.

It was agreed that this should be made clearer in the CfP. The best solution would be to put all HLG sequences (regardless if they are 4K or cropped 8K) into one category, and all PQ content into another category. This means that also the naming conventions need an update.

CITATION

W. Husak, T. Nguyen Canh, P. Yin, D. Rusanovskyy, "AHG17: Reporting on HDR coding metrics", JVET-AO0184, 41st Meeting: by teleconference, CH, January 2026.