

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

18th Meeting: Teleconference, April 2020

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Title: **JVET AHG report: Project management (AHG1)**

Status: Input document to JVET

Purpose: Proposal

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Source: J.-R. Ohm, G. J. Sullivan

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Abstract

This document reports on the work of the JVET ad hoc group on Project Management, including an overall status report on the VVC standardization project and the progress made during the interim period since the preceding meeting.

Mandates

At the 17th meeting of the ITU-T/ISO/IEC Joint Video Experts Team (JVET), an ad hoc group on Project Management was established with the following mandates:

Coordinate overall JVET interim efforts.

Supervise CE and AHG studies.

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LINKS

CARD

JVET-R0001

<http://vexpertise.stbit.ru/documents/JVET-R0001>

JVET Search

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JVET AHG report: Project management (AHG1)

Authors:

ABSTRACT

MEETING NOTES

SOURCE

external source

https://jvet-experts.org/doc_end_user/current_document.php?id=10056

JVET

Preview document JVET-R0001

User

Document Information

Associated Resources

Comments

ARCHIVE

archive v2

https://jvet-experts.org/doc_end_user/documents/18_Alpbach/wg11/JVET-R0001-v2.zip

Archive

DOC JVET-R0001-v2.docx

MEETING NOTES

external meeting notes

https://www.itu.int/wftp3/av-arch/jvet-site/2020_04_R_Alpbach/JVET-R_Notes_dH.docx

Joint Video Experts Team (JVET)
of ITU-T SG21 WP3/21 and ISO/IEC JTC 1/SC 29
18th Meeting: Teleconference, April 2020

Document: JVET-R0001

Title:

Meeting Report of the 41st Meeting of the Joint Video Experts Team

Status:

Report document from the chair of JVET

Purpose:

Report

1 Summary

MEETING NOTES

JVET-R0001 JVET AHG report: Project management (AHG1) [J.-R. Ohm, G. J. Sullivan]

This document reports on the work of the JVET ad hoc group on Project Management, including an overall status report on the VVC standardization project and the progress made during the interim period since the preceding meeting.

The work of the JVET overall had proceeded well in the interim period with a huge number of input documents submitted to the current meeting. Intense discussion had been carried out on the group email reflector, and all output documents from the preceding meeting had been produced.

Output documents from the preceding meeting had been made available at the "Phenix" site (<http://phenix.int-evry.fr/jvet/>) or the ITU-based JVET site (http://wftp3.itu.int/av-arch/jvet-site/2020_01_Q_Brussels/), particularly including the following:

- The meeting report (JVET-Q2000) [Posted 2020-04-15]
- Versatile Video Coding (Draft 8) (JVET-Q2001) [Posted 2020-01-18, last update 2020-03-12]
- Algorithm description for Versatile Video Coding and Test Model 8 (VTM 8) (JVET-Q2002) [Posted 2020-01-21, last update 2020-03-24]
- Algorithm descriptions of projection format conversion and video quality metrics in 360Lib (Version 10) (JVET-Q2004) [Posted 2020-03-06]
- Methodology and reporting template for coding tool testing (JVET-Q2005) [Posted 2020-02-15]
- Supplemental enhancement information messages for coded video bitstreams (Draft 3) (JVET-Q2007) [Posted 2020-01-19, last update 2020-03-18]
- Conformance testing for Versatile Video Coding (Draft 2) (JVET-Q2008) [Posted 2020-03-04]
- Preliminary plan for VVC verification testing (Draft 1) (JVET-Q2009) [Posted 2020-02-28]
- JVET common test conditions and software reference configurations for non-4:2:0 colour formats (JVET-Q2013) [Posted 2020-03-02, last update 2020-04-02]
- JVET common test conditions and software reference configurations for lossless, near lossless, and mixed lossy/lossless coding (JVET-Q2014) [Posted 2020-02-24, last update 2020-04-09]
- JVET functionality confirmation test conditions for reference picture resampling (JVET-Q2015) [Posted 2020-03-04, last update 2020-03-05]
- Summary information on BD-rate experiment evaluation practices (JVET-Q2016) [Posted 2020-01-17, last update 2020-02-14]

The seventeen *ad hoc* groups had made progress, and reports from those activities had been submitted.

Due to issues associated with the recently declared COVID-19 pandemic, a conversion of the meeting to be conducted only online was necessitated. As it was expected that the online meeting would not be as efficient as a physical meeting, and meeting hours per day would be limited, a series of AHG pre-meetings were held prior to the regular JVET meeting during 6-8 and 13 April for HLS topics ("category 1": AHG8/AHG9/AHG12), as well as on 9 and 14 April for coding tools ("category 2":

AHG2/AHG3/AHG6/AHG7/AHG11/AHG14/AHG16). An earlier upload deadline of 3 April 2020 had been announced for documents to be discussed in those meetings. Results of these meetings can be found in documents JVET-R0339 and JVET-R0340.

Software integration of VTM was finalized approximately according to the plan.

Various problem reports relating to asserted bugs in the software, draft specification text, and reference encoder description had been submitted to an informal "bug tracking" system. That system is not intended as a replacement of our ordinary contribution submission process. However, the bug tracking system was considered to have been helpful to the software coordinators and text editors. The bug tracker reports had been automatically forwarded to the group email reflector, where the issues were discussed – and this is reported to have been helpful.

Roughly 400 input contributions to the current meeting (not counting the AHG summary reports and crosschecks) had been registered for consideration at the meeting. More than two thirds of these documents were submitted on aspects of high-level syntax, whereas submissions on low-level coding tools has significantly decreased again. No CEs had been running.

A preliminary basis for the document subject allocation and meeting notes for the 18th meeting had been made publicly available on the ITU-hosted ftp site.

CITATION

J.-R. Ohm, G. J. Sullivan, "JVET AHG report: Project management (AHG1)", JVET-R0001, 18th Meeting: Teleconference, April 2020.

REFERENCES

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2. [B. Bross, J. Chen, S. Liu, Y.-K. Wang, "Versatile Video Coding \(Draft 8\)", JVET-Q2001, 17th Meeting: Brussels, January 2020.](#)
3. [J. Chen, Y. Ye, S. Kim, "Algorithm description for Versatile Video Coding and Test Model 8 \(VTM 8\)", JVET-Q2002, 17th Meeting: Brussels, January 2020.](#)
4. [Y. Ye, J. Boyce, "Algorithm descriptions of projection format conversion and video quality metrics in 360Lib \(Version 10\)", JVET-Q2004, 17th Meeting: Brussels, January 2020.](#)
5. [W.-J. Chen, J. Boyce, "Methodology and reporting template for coding tool testing", JVET-Q2005, 17th Meeting: Brussels, January 2020.](#)
6. [J. Boyce, V. Drugeon, G. J. Sullivan, Y.-K. Wang, "Supplemental enhancement information messages for coded video bitstreams \(Draft 3\)", JVET-Q2007, 17th Meeting: Brussels, January 2020.](#)
7. [J. Boyce, E. Alshina, K. Kawamura, S. McCarthy, I. Moccagatta, W. Wan, "Conformance testing for versatile video coding \(Draft 2\)", JVET-Q2008, 17th Meeting: Brussels, January 2020.](#)
8. [M. Wien, V. Baroncini, "Preliminary plan for VVC verification testing \(Draft 1\)", JVET-Q2009, 17th Meeting: Brussels, January 2020.](#)
9. [Y.-H. Chao, Y.-C. Sun, J. Xu, X. Xu, "JVET common test conditions and software reference configurations for non-4:2:0 colour formats", JVET-Q2013, 17th Meeting: Brussels, January 2020.](#)
10. [T.-C. Ma, A. Nalci, T. Nguyen, "JVET common test conditions and software reference configurations for lossless, near lossless, and mixed lossy/lossless coding", JVET-Q2014, 17th Meeting: Brussels, January 2020.](#)
11. [J. Luo, V. Sergin, "JVET functionality confirmation test conditions for reference picture resampling", JVET-Q2015, 17th Meeting: Brussels, January 2020.](#)
12. [K. Andersson, F. Bossen, J.-R. Ohm, A. Segall, R. Sjöberg, J. Ström, G. J. Sullivan, "Summary information on BD-rate experiment evaluation practices", JVET-Q2016, 17th Meeting: Brussels, January 2020.](#)
13. [G. J. Sullivan, Y.-K. Wang, "Agenda and report of the Category 1 AHG pre-meeting for the 18th JVET meeting", JVET-R0339, 18th Meeting: Teleconference, April 2020.](#)
14. [J.-R. Ohm, B. Bross, A. Segall, Y. Ye, "Agenda and report of the category 2 AHG pre-meeting of the 18th JVET meeting", JVET-R0340, 18th Meeting: Teleconference, April 2020.](#)