

**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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19th Meeting, by teleconference, 22 June - 1 July 2020

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

Status: Input document to JVET

Purpose: Proposal

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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 18th 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:

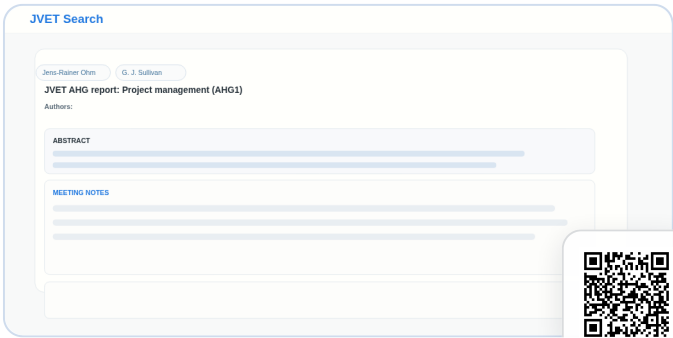
Coordinate overall JVET interim efforts.

Supervise AHG studies.

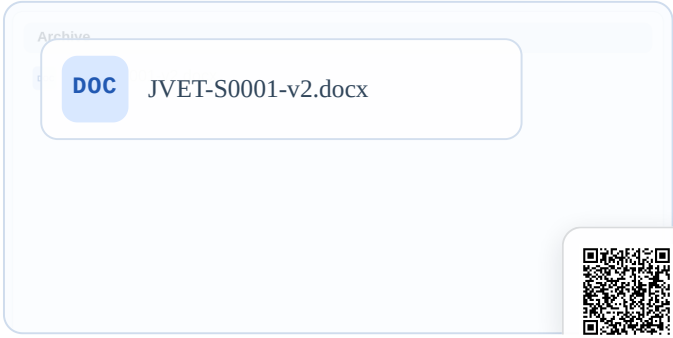
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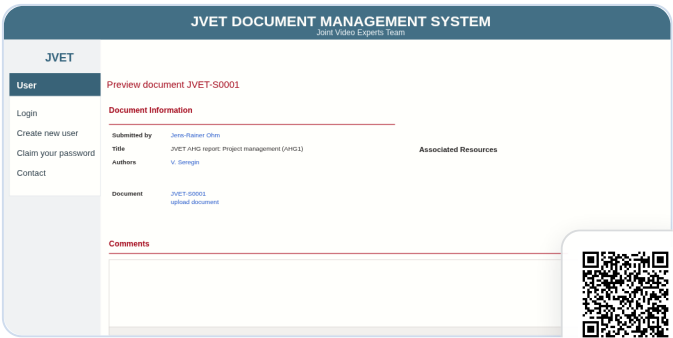
<http://vexpertise.stbit.ru/documents/JVET-S0001>



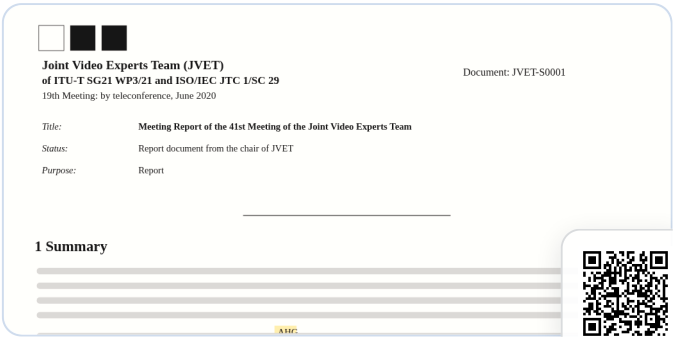
https://jvet-experts.org/doc_end_user/documents/19_Teleconference/wg11/JVET-S0001-v2.zip



https://jvet-experts.org/doc_end_user/current_document.php?id=10368



http://vexpertise.stbit.ru/meeting-notes/source/meeting_19_s



MEETING NOTES

[JVET-S0001](#) 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 number of subscribers (by the beginning of the current meeting) was 1251.

The work of the JVET overall had proceeded well in the interim period with a moderate 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_04_R_Alpbach/), particularly including the following:

- The meeting report (JVET-R2000) [Posted 2020-06-22]
- Versatile Video Coding (Draft 9) (JVET-R2001) [Posted 2020-04-26, last update 2020-06-20]
- Algorithm description for Versatile Video Coding and Test Model 9 (VTM 9) (JVET-R2002) [Posted 2020-06-12, last update 2020-06-15]
- Methodology and reporting template for coding tool testing (JVET-R2005) [Posted 2020-05-16]
- Supplemental enhancement information messages for coded video bitstreams (Draft 4) (JVET-R2007) [Posted 2020-05-03, last update 2020-05-06]
- Conformance testing for Versatile Video Coding (Draft 3) (JVET-R2008) [Posted 2020-06-09, last update 2020-06-12]
- Draft plan for VVC verification testing (Draft 2) (JVET-R2009) [Posted 2020-05-02]
- JVET common test conditions and software reference configurations for non-4:2:0 colour formats (JVET-R2013) [Posted 2020-05-16]
- Summary information on BD-rate experiment evaluation practices (JVET-R2016) [Posted 2020-05-17]

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

Due to issues associated with the COVID-19 pandemic, a conversion of the meeting to be conducted only online was necessitated. Prior to the regular JVET meeting, a series of AHG meetings were held during 27-28 May and during 19-21 June for HLS topics (AHG8/AHG9/AHG12). An earlier upload deadline of 22 May 2020 had been announced for documents to be discussed during the May 2020 AHG meeting days. Results of these meetings can be found in documents JVET-S0137 (27-28 May) and JVET-S0237 (19-21 June). Software integration of VTM was finalized approximately according to the plan. Significant activities were also conducted on preparation of verification tests, and on development of VVC conformance testing.

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 200 input contributions to the current meeting (not counting the AHG summary reports and crosschecks) had been registered for consideration at the meeting, or at the AHG meetings in the interim period. The bulk of these documents were submitted on aspects of high-level syntax, whereas only few submissions on low-level coding tools were made. No CEs had been conducted.

A preliminary basis for the document subject allocation and meeting notes for the 19th meeting had been made publicly available on the ITU-hosted ftp site http://wftp3.itu.int/av-arch/jvet-site/2020_06_S_Virtual/.

CITATION

J.-R. Ohm, G. J. Sullivan, "JVET AHG report: Project management (AHG1)", JVET-S0001, 19th Meeting: by teleconference, June 2020.

REFERENCES

1. [G. J. Sullivan, J.-R. Ohm, "Meeting Report of the 18th JVET Meeting \(Teleconference, 15–24 April 2020\)", JVET-R2000, 18th Meeting: Teleconference, April 2020.](#)
2. [B. Bross, J. Chen, S. Liu, Y.-K. Wang, "Versatile Video Coding \(Draft 9\)", JVET-R2001, 18th Meeting: Teleconference, April 2020.](#)
3. [J. Chen, Y. Ye, S. Kim, "Algorithm description for Versatile Video Coding and Test Model 9 \(VTM 9\)", JVET-R2002, 18th Meeting: Teleconference, April 2020.](#)
4. [W.-J. Chien, J. Boyce, "Methodology and reporting template for coding tool testing", JVET-R2005, 18th Meeting: Teleconference, April 2020.](#)
5. [J. Boyce, V. Drugeon, G. J. Sullivan, Y.-K. Wang, "Supplemental enhancement information messages for coded video bitstreams \(Draft 4\)", JVET-R2007, 18th Meeting: Teleconference, April 2020.](#)
6. [J. Boyce, E. Alshina, F. Bossen, K. Kawamura, I. Moccagatta, W. Wan, "Conformance testing for versatile video coding \(Draft 3\)", JVET-R2008, 18th Meeting: Teleconference, April 2020.](#)
7. [M. Wien, V. Baroncini, A. Segall, Y. Ye, "Draft plan for VVC verification testing \(Draft 2\)", JVET-R2009, 18th Meeting: Teleconference, April 2020.](#)
8. [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-R2013, 18th Meeting: Teleconference, April 2020.](#)
9. [K. Andersson, F. Bossen, J.-R. Ohm, A. Segall, R. Sjöberg, J. Ström, G. J. Sullivan, A. Tourapis, "Summary information on BD-rate experiment evaluation practices", JVET-R2016, 18th Meeting: Teleconference, April 2020.](#)
10. [G. J. Sullivan, Y.-K. Wang, "Agenda and report of the 27-28 May 2020 HLS AHG meeting", JVET-S0137, 19th Meeting: by teleconference, June 2020.](#)
11. [G. J. Sullivan, Y.-K. Wang, "Agenda and report of the 19-21 June 2020 HLS AHG pre-meeting", JVET-S0237, 19th Meeting: by teleconference, June 2020.](#)