

**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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Abstract

This document summarizes the activities of AHG18 on ultra-low latency and packet loss resilience between the 41st and 42nd JVET meetings.

AHG mandates

Study JVET-AN2039 common test conditions and propose improvements as appropriate.

Investigate creation of practical simulation software, including network transmission aspects, including consideration of network functionality that can aid timely video-coding based error correction, and conduct performance evaluation.

Identify potential requirements and feasibility of standard based technologies to support ultra-low delay requirements, including packet loss resilient decoding.

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 Joint Video Experts Team (JVET)
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42nd Meeting: Santa Eularia, ES, April 2026

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



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MEETING NOTES

JVET-AP0018 JVET AHG report: Ultra-low latency and packet loss resilience (AHG18) [S. Deshpande, S. Ikonin, V. Zakharchenko (co-chairs), S. Föbel, C. Kim, X. Ma, S. Puri, J. Ström, S. Wenger (vice-chairs)]

1. Software development

Adoptions of last JVET meeting (JVET-AN2039: ULL CTC implementation, JVET-AO0208: GDR LDB fixes) have been merged to 'ull-master' branch: https://vcgit.hhi.fraunhofer.de/jvet-ahg-ull/VVCSSoftware_VTM/-/tree/ull-master.

1. Related contributions

A total of 3 contributions (not including this AHG report) are identified relating to the mandates of AHG18. They are listed below. One contribution also related to the work of AHG9.

Proposals		
JVET-AP0200	AHG18: Random Access GOP4 Configuration for Live-streaming Applications evaluated in ULL test conditions	S. Ikonin , I. Gribushin , M. Sychev , K. Malyshev , V. Khamidullin , B. Shevchenko , X. Ma , E. Alshina (Huawei) , Z. Deng (Bytedance)
JVET-AP0222	AHG18: Decoder side NN-based picture generation for lost picture substitution	K. Malyshev , M. Sychev , S. Ikonin , E. Alshina (Huawei)
JVET-AP0226	AHG9/AHG18: Missed Picture Generation purpose for NNPF SEI message	K. Malyshev , M. Sychev , S. Ikonin , E. Alshina (Huawei)

1. Recommendations

The AHG recommended:

- Review all input contributions.
- Discuss test conditions and evaluation methodology.
- Collect test cases and specific requirements.
- Continue development of simulation software.
- Continue the study of ultra-low latency and packet loss resilience technologies in JVET.

CITATION

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