



TITLE: Additional Proponent Guidelines for Final Call for Proposals on JPEG Pleno Holography

SOURCE: WG1

PROJECT: JPEG Pleno

STATUS: Final

REQUESTED ACTION: For publication

DISTRIBUTION: Public

Contact:

ISO/IEC JTC 1/SC 29/WG 1 Convener – Prof. Touradj Ebrahimi
EPFL/STI/IEL/GR-EB, Station 11, CH-1015 Lausanne, Switzerland
Tel: +41 21 693 2606, Fax: +41 21 693 7600, E-mail: Touradj.Ebrahimi@epfl.ch

1. Timeline

Please be reminded of the timeline

07-13/7/2021	92 nd WG1 meeting: status evaluation of Call for Proposals, organization of the evaluation procedure and practical arrangements.
1/8/2021	Deadline for expression of interest and registration – send email to the people listed in Section 8.
1/9/2021	Deadline for submission of decoder software, algorithm description and design, encoded bitstreams.
15/9/2021	Deadline for submission of objective evaluation results, decoded & reconstructed test material by proponents.
14/10/2021	Report on objective and subjective evaluation of proposals and anchors available.
16-22/10/2021	93 rd WG1 meeting: Assessment of technical proposals and objective/subjective evaluation results (attendance of proponents to the meeting is required).

2. Additional proponent guidelines

1. Proponents are informed that the following software has been optimized and updated:
 - a. JPEG Pleno Holography CTC Software 5.0 (wg1n92043)
 - b. JPEG Pleno Holography CTC Metrology Software 3.0 (wg1n92045)
 - c. JPEG Pleno Holography Numerical Reconstruction Software for Holography 7.0 (wg1n92044)

In addition, the Common Test Conditions (CTC) document has been updated to version 5.0 (wg1n92033). Please use this updated software and document when addressing the Call for Proposals. Access to the CTC software can be obtained by contacting: peter.schelkens@vub.be

2. Proponents are requested to submit objective evaluation results as well. Matlab scripts to generate this data (objective evaluation results, decoded & reconstructed test material) are provided (as part of the CTC software). Please note that encoded bitstreams should be delivered by September 1st, 2021. Objective evaluation results, decoded and reconstructed test material should be delivered by September 15th, 2021. However, for the decoded and reconstructed test material, you will be instructed which material to deliver exactly via a download link to the test team. This will be a subset.
3. Encoded bitstreams, decoded holograms and reconstructed holograms should follow the naming convention as imposed by the CTC software. Please check the readme file for instructions in this software.
4. Note that the encoded bitstreams should respect the requested bitrates with an accepted error tolerance bound of max. 5%.
5. In case the proposal would contain a learning-based component, the training data set should be different from the test data set described in the CTC document. Moreover, this training data set should be made available for proposal evaluation purposes. A detailed description on the characteristics of the training data set should be included (capturing setup, CGH techniques issued, wavelength, etc.). In the strongly disadvised case the proponent would be using the CTC test data, this must be explicitly mentioned as well.