

**ISO/IEC JTC 1/SC29/WG1
(ITU-T SG16)**

Coding of Still Pictures

JBIG

Joint Bi-level Image
Experts Group

JPEG

Joint Photographic
Experts Group

TITLE: List of AhGs established at 86th JPEG meeting

SOURCE: WG1 Convenor

PROJECT: All WG1 projects

STATUS: Final

**REQUESTED
ACTION:**

DISTRIBUTION: Public

Contact:

ISO/IEC JTC 1/SC29/WG1 Convenor – Prof. Touradj Ebrahimi

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1. [Ad Hoc Group on JPEG XS](#)
2. [Ad Hoc Group on JPEG Website, Branding, Sponsorships & Celebration](#)
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12. [Ad Hoc Group on JPEG Reference Software](#)

Subgroup	Coding, Test and Quality
Status	Moderated
Name	Ad Hoc Group on JPEG XS
Chair	Antonin Descampe (a.descampe@intopix.com)
Co-chair	Thomas Richter (thomas.richter@iis.fraunhofer.de)
Mandates/ Objectives	<ul style="list-style-type: none"> • Run Core Experiments according to the timeline specified in WG1N86033. • Submit WD of ISO/IEC 21122-1 AMD1 and WD of ISO/IEC 21122-2 AMD1 by the end of the editing period (2020-02-07) • Prepare CD Study text for ISO/IEC 21122-1 AMD1 • Prepare CD Study text for ISO/IEC 21122-2 AMD1 • Organize an expert-viewing session during the 87th WG1 meeting in Erlangen (DE). • Prepare JPEG XS Part-5 DIS DOCR and prepare IS candidate • Gather new JPEG XS use cases and requirements to feed JPEG XS Roadmap • Verify the correctness of reference codestreams in light of the defect report to ISO/IEC 21122-1 (WG1N86034) • Register missing JPEG XS boxes with mp4ra.org
Deliverables	<ul style="list-style-type: none"> • Results of Core Experiments on AMD1 of ISO/IEC 21122-1 and ISO/IEC 21122-2 • CD Study text for ISO/IEC 21122-1 AMD1 • CD Study text for ISO/IEC 21122-2 AMD1 • JPEG XS Part-5 DIS DOCR and IS candidate • Confirmation of registration of JPEG XS boxes in mp4ra.org
Meetings	<ul style="list-style-type: none"> • Online meeting on Thursday, March 5th, 2020, 9am-10am CET • AHG meeting on Saturday, April 25th, 2020, to be held in Erlangen (DE). • Additional online meeting may be scheduled as required.
How to join	E-mail reflector: jpeg-xs@jpeglists.org To subscribe to the reflector, please visit http://jpeg-xs-list.jpeg.org or in case of problems contact lists@jpeg.org

Subgroup	Communication
Status	Moderated
Name	Ad Hoc Group on JPEG Website, Sponsorships & Celebration
Chair	Frederik Temmermans (femmerm@etrovub.be)
Co-chair	Antonio Pinheiro (pinheiro@ubi.pt)
Mandates/ Objectives	<ul style="list-style-type: none"> • Maintain JPEG website and update content • Prepare 20 years JPEG 2000 celebration • Publish open discussion session on media blockchain proceedings • Publish the press release & calling notice • Publish list of newly established AHGs and its related document • Prepare an overview of JPEG world • Open Google Suite account for JPEG
Deliverables	<ul style="list-style-type: none"> • Proposed text for JPEG world
Meetings	Online meetings may be scheduled as required and announced via the mailing list.
How to join	<p>E-mail reflector: jpeg-website@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-website-list.jpeg.org or in case of problems contact lists@jpeg.org</p>

Subgroup	Coding, Test and Quality
Status	Public
Name	Ad Hoc Group on JPEG Pleno - Light Field
Chair	Cristian Perra (cperra@ieee.org)
Co-chair	Eduardo A. B. da Silva (eduardo@smt.ufrj.br)
Mandates/ Objectives	<ul style="list-style-type: none"> • Run core experiment 9 for JPEG Pleno Light Field Coding defined in WG1N86040 • Run core experiment 2 for ISO/IEC 15444-17 defined in WG1N86041 • Complete DOCR for DIS ballot of ISO/IEC 21794-1 (JPEG Pleno Part 1) with an of editing period until 2020-02-21 • Complete FDIS ISO/IEC 21794-1 (JPEG Pleno Part 1) with an editing period until 2020-02-21 • Create and maintain open source version of the 4DPM reference software • Create and maintain the 4DTM reference software • Prepare study text of CD JPEG Pleno Part 3 Conformance Testing • Prepare study text of CD JPEG Pleno Part 4 Reference software • Draft text for WD 2.0 for JPEG Pleno Part 2 AMD 1
Deliverables	<ul style="list-style-type: none"> • Report on core experiment 9 for JPEG Pleno Light Field Coding • Report on core experiment 2 for ISO/IEC 15444-17 • DOCR for DIS ballot ISO/IEC 21794-1 (JPEG Pleno Part 1) • FDIS of ISO/IEC 21794-1 (JPEG Pleno Part 1) • Open source version of the 4DPM reference software on WG1 GitLab • 4DTM reference software on WG1 GitLab • CD JPEG Pleno Part 3 Conformance Testing • CD JPEG Pleno Part 4 Reference software • WD 2.0 for JPEG Pleno Part 2 AMD 1

Meetings	<ul style="list-style-type: none"> • 2020-03-05, 15:00-16:00, CET, Online • 2020-03-27, 15:00-16:00, CET, Online • 2020-04-16, 16:00-17:00, CET, Online • AhG Meeting on 2020-04-25, 14:00-18:00, CET in Erlangen, DE
How to join	E-mail reflector: jpeg-lightfield@jpeglists.org To subscribe to the reflector, please visit http://jpeg-lightfield-list.jpeg.org or in case of problems contact lists@jpeg.org

Subgroup	Requirements
Status	Public
Name	Ad Hoc Group on JPEG Pleno - Point Cloud
Chair	Stuart Perry (stuart.perry@uts.edu.au)
Co-chair	Luis Cruz (lcruz@deec.uc.pt)
Mandates/ Objectives	<ul style="list-style-type: none"> • Apply and validate the CTC protocols (coding conditions, rate points, objective metrics, subjective quality assessment protocols) with the selected anchors in Exploration Study #3 • Further solicit input from experts on scalability and random access support with existing point cloud codecs • Produce a proposed text for the Final Call for Evidence on Point Cloud Coding
Deliverables	<ul style="list-style-type: none"> • Results of Exploration Study #3 • Updated Common Test Conditions document • Proposed text for Final Call for Evidence on Point Cloud Coding • Updated Requirements versus Solutions document
Meetings	<ul style="list-style-type: none"> • AhG meeting in Erlangen on 2020-04-25 • An online meeting will be scheduled for 2020-02-11 • Other online interim meetings as determined by the AhG with at least one week's notice
How to join	E-mail reflector: jpeg-pointcloud@jpeglists.org To subscribe to the reflector, please visit http://jpeg-pointcloud-list.jpeg.org or in case of problems contact lists@jpeg.org

Subgroup	Coding, Test and Quality
Status	Public
Name	Ad Hoc Group on JPEG Pleno - Holography
Chair	Kwan-Jung Oh (kjoh@etri.re.kr)
Co-chair	Peter Schelkens (Peter.Schelkens@vub.ac.be)
Mandates/ Objectives	<ul style="list-style-type: none"> • Update use cases and requirement document on JPEG Pleno Holography • Update common test conditions (CTC) on JPEG Pleno Holography • Update call for proposals (CfP) on JPEG Pleno Holography • Update numerical reconstruction software for holography (NRSH) • Manage and execute Exploration Studies 7 as contained in WG1N86022

	<ul style="list-style-type: none"> Collect new test data for holographic microscopy/tomography
Deliverables	<ul style="list-style-type: none"> Updated use cases and requirements document Updated common test conditions (CTC) document Proposed text for First call for proposal (CfP) document Report on Exploration Studies 7 Updated numerical reconstruction software for holography (NRSH) New holographic microscopy/tomography data
Meetings	<ul style="list-style-type: none"> AhG meeting in Erlangen on 2020-04-25 Two teleconference meetings on 2020-02-27 (CET 12:00-13:00) and 2020-03-23 (CET 12:00-13:00)
How to join	E-mail reflector: jpeg-holo@jpeglists.org To subscribe to the reflector, please visit http://jpeg-holo-list.jpeg.org or in case of problems contact lists@jpeg.org

Subgroup	Coding, Test and Quality
Status	Public
Name	Ad Hoc Group on High Throughput JPEG 2000 (HTJ2K)
Chair	Pierre-Anthony Lemieux (pal@sandflow.com)
Co-chair	David Taubman (d.taubman@unsw.edu.au)
Mandates/ Objectives	<ul style="list-style-type: none"> Develop a candidate DIS of 2nd edition to ISO/IEC 15444-16 (Encapsulation of JPEG 2000 images into ISO/IEC 23008-12) Develop candidate FDAM of AMD 1 to ISO/IEC 15444-5 Develop candidate FDAM of AMD 1 to ISO/IEC 15444-4 Refine High-throughput JPEG 2000 white paper Maintain HTJ2K GitLab repositories
Deliverables	<ul style="list-style-type: none"> Candidate DIS of 2nd edition to ISO/IEC 15444-16 (Encapsulation of JPEG 2000 Images into ISO/IEC 23008-12) Candidate FDAM of AMD 1 to ISO/IEC 15444-4 Candidate FDAM of AMD 1 to ISO/IEC 15444-5 Revised High-throughput JPEG 2000 white paper
Meetings	<ul style="list-style-type: none"> AHG meeting on 2020-04-25 in Erlangen, DE Online interim meetings as determined by the AhG with at least one week's notice
How to join	E-mail reflector: jpeg-htj2k@jpeglists.org To subscribe to the reflector, please visit http://jpeg-htj2k-list.jpeg.org or in case of problems contact lists@jpeg.org

Subgroup	Coding, Test and Quality
Status	Public
Name	Ad Hoc Group on JPEG XL
Chair	Jan Wassenberg (janwas@google.com)
Co-chair	Jon Sneyers (jon@cloudinary.com)

Mandates/ Objectives	<ul style="list-style-type: none"> ● Refine JPEG XL White paper ● Draft more technically-focussed introduction to JPEG XL (Turquoise paper) ● Continue development of reference software ● Perform core experiments 6 and exploration studies 6 ● IANA registration of file format (image/jxl) ● Provide updated text for the JPEG website on JPEG XL ● Register missing JPEG XL boxes with mp4ra.org
Deliverables	<ul style="list-style-type: none"> ● Proposed text for an updated JPEG XL White paper ● Proposed text for JPEG XL Turquoise paper ● Updated reference software ● Result of core experiments 6 and exploration studies 6 ● Verified IANA registration of file format ● Updated text for the JPEG website on JPEG XL with deadline 2020-02-14 ● Confirmation of registration of JPEG XL boxes in mp4ra.org
Meetings	<ul style="list-style-type: none"> ● AHG meeting in Erlangen on 2020-04-25 ● Online meeting on 2020-02-06 to discuss final definition of core experiments 6 and exploration studies 6 ● Online interim meetings with at least one week's notice
How to join	E-mail reflector: jpeg-xl@jpeglists.org To subscribe to the reflector, please visit http://jpeg-xl-list.jpeg.org or in case of problems contact lists@jpeg.org

Subgroup	Coding, Test and Quality
Status	Moderated
Name	Ad Hoc Group on software and documentation best practices
Chair	Antonin Descampe (a.descampe@intopix.com)
Co-chair	Jan Wassenberg (janwas@google.com)
Mandates/ Objectives	<ul style="list-style-type: none"> ● Refine and further constrain repository naming to avoid chaotic list of repos within GitLab ● Add more GDoc templates: input document, liaison, white paper ● Follow-up with GitLab to get a free account ● Follow-up with ISO/IEC to get copyright guidelines for software ● Elaborate software guidelines on requirements in terms of platform compliance, C++ version to be used, etc. ● Rename general purpose folders in Livelink with « 00 » and separate templates folder from guidelines folder ● Discuss WG1 strategy with respect to making WG1 standards freely available
Deliverables	<ul style="list-style-type: none"> ● Updated version of the Proposed recommended practices for software development and maintenance
Meetings	<ul style="list-style-type: none"> ● Online interim meetings as determined by the AhG with at least one week's notice
How to join	E-mail reflector: jpeg-bp@jpeglists.org To subscribe to the reflector, please visit http://jpeg-bp-list.jpeg.org or in case of problems contact lists@jpeg.org

Subgroup	Requirements
Status	Public
Name	Ad Hoc Group on Media Blockchain
Chair	Frederik Temmermans (femmerm@etrovub.be)
Co-chair	Deepayan Bhowmik (d.bhowmik@ieee.org)
Mandates/ Objectives	<ul style="list-style-type: none"> Refine use cases and requirements document Engage with community to get more people involved in the media blockchain activities
Deliverables	<ul style="list-style-type: none"> Updated use cases and requirements document
Meetings	<ul style="list-style-type: none"> AhG online meeting on 4 PM (CET) 2020-03-05 to review updated use cases and requirements, and other items as agreed AhG online meeting on 3 PM (CET) 2020-04-02 to review updated use cases and requirements, and other items as agreed Other online interim meetings with at least one week's notice
How to join	<p>E-mail reflector: jpeg-blockchain@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-blockchain-list.jpeg.org or in case of problems contact lists@jpeg.org.</p>

Subgroup	Requirements
Status	Public
Name	Ad Hoc Group on Learning-based Image Coding
Chair	João Ascenso (joao.ascenso@lx.it.pt)
Co-chair	
Mandates/ Objectives	<ul style="list-style-type: none"> Creation of the IEEE ICIP 2020 web page with all information about the challenge. Perform the JPEG AI dataset characterization, revise the images contained in the training and validation dataset based on the results and make it public available. Creation of the test dataset as well as the appropriate anchors to be used in the call for evidence and ICIP challenge. Perform subjective testing of learning-based image codecs and suitable anchors with other subjective assessment methodologies. Evaluation of full-reference quality metrics for both conventional and deep-learning based image coding solutions. Create a publicly accessible web page on jpeg.org with information about current JPEG AI activities, such as short description and access information to JPEG AI datasets.
Deliverables	<ul style="list-style-type: none"> IEEE ICIP 2020 challenge web page. JPEG AI training and validation dataset for the Call for Evidence and ICIP 2020 Challenge.
Meetings	<ul style="list-style-type: none"> Online meetings will be scheduled as required. Physical AHG meeting on 2020-04-25
How to join	<p>E-mail reflector: jpeg-ai@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-ai-list.jpeg.org or in case of</p>

	problems contact lists@jpeg.org
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Subgroup	Systems & Integration
Status	Public
Name	Ad Hoc Group on JPEG Systems
Chair	Andy Kuzma (andy.kuzma@intel.com)
Co-chair	Frederik Temmermans (femmerm@etrovub.be)
Mandates/ Objectives	<ul style="list-style-type: none"> • Verify ISO Editors are preparing PRF IS text for JPEG Privacy & Security, and complete review of PRF IS text • Complete the CDAM text for Part 5 AMD1 • Complete the CDAM text for Part 6 AMD1 • Update Use Cases and Requirements for JLINK • Update Use Cases and Requirements for JPEG Snack • Update draft text for JLINK working draft • Finalize the 4-5-6 Reference Software GitLab structure, and create the source code repository in GitLab accordingly for the private section • Populate the 4-5-6 Reference Software GitLab • Develop a draft white paper on JPEG Systems for review at 87th meeting • Provide updated content for JPEG Website to JPEG Webmaster, as needed • Determine if there are types to register with MP4 Registration Authority needed to support Parts 4, 5, 6, and 7
Deliverables	<ul style="list-style-type: none"> • Reviewed and edited, if any, of JPEG Privacy & Security PRF IS text • Part 5 AMD1 CDAM text • Part 6 AMD1 CDAM text • Updated JLINK use cases and requirements • Updated JPEG Snack use cases and requirements • Part 7 JLINK updated working draft text • Draft JPEG Systems white paper • List of identified types to register with MP4RA, if any
Meetings	<ul style="list-style-type: none"> • AhG online meeting at 3PM (CET) 2020-02-11 on JPEG 360 AMD1 CDAM and JUMBF AMD1 CDAM texts • AhG online meeting at 3PM (CET) 2020-02-25 on JLINK, JPEG Systems white paper, JPEG Snack and other items as required • In-person technical meeting on JLINK in Japan (near Tokyo) in March 2020; details to be confirmed by at least 4 weeks in advance • AhG online meeting on 3PM (CET) 2020-04-07 to review interim mandates and progress towards goals, set agenda for 87th JPEG meeting in Erlangen • Other online interim meetings as determined by the AhG with at least one week's notice • AhG meeting in Erlangen on Saturday (2020-04-25) ahead of the 87th JPEG meeting
How to join	<p>E-mail reflector: jpeg-systems@jpeglists.org</p> <p>To subscribe to the reflector, please visit jpeglists.org or in case of problems contact lists@jpeg.org</p>

Subgroup	Coding, Test and Quality
Status	Public

Name	Ad Hoc Group on JPEG Reference software
Chair	Thomas Richter (thomas.richter@iis.fraunhofer.de)
Co-chair	
Mandates/ Objectives	<ul style="list-style-type: none">• Collect updated reference software implementations• Prepare study text for CD of 2nd edition of ISO/IEC 10918-7
Deliverables	<ul style="list-style-type: none">• Study text of CD of 2nd edition of ISO/IEC 10918-7
Meetings	<ul style="list-style-type: none">• Online meetings will be scheduled as required
How to join	E-mail reflector: jpeg-reference@jpeglists.org To subscribe to the reflector, please visit jpeglists.org or in case of problems contact lists@jpeg.org