

**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 the 85th JPEG meeting

SOURCE: WG1 Convenor

PROJECT: All WG1 projects

STATUS: Final

REQUESTED ACTION: For information

DISTRIBUTION: Public

Contact:

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2. [Ad Hoc Group on JPEG Website, Branding, Sponsorships & Celebration](#)
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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 WG1N85031 ● Prepare CDAM Study text for ISO/IEC 21122-1 AMD1 ● Prepare CDAM Study text for ISO/IEC 21122-2 AMD1 ● Organize an expert-viewing session during the 86th WG1 meeting in Sydney (AU) ● Register missing JPEG XS boxes in MP4RA ● Submit updated defect report by 2019-11-25 for documents WG1N85053 and WG1N85058
Deliverables	<ul style="list-style-type: none"> ● Results of Core Experiments on AMD1 of ISO/IEC 21122-1 and ISO/IEC 21122-2 ● CDAM Study text for ISO/IEC 21122-2 AMD1 ● CDAM Study text for ISO/IEC 21122-1 AMD1
Meetings	<ul style="list-style-type: none"> ● Online meeting on Thursday, December 12, 2019, 9am-10:30am CET ● AHG meeting on January 19th, 2020, to be held in Sydney (AU) ● Other online interim meetings as determined by the AhG with at least one week's notice.
How to join	<p>E-mail reflector: jpeg-xs@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-xs-list.jpeg.org or in case of problems contact lists@jpeg.org</p>

Subgroup	Communication
Status	Moderated

Name	Ad Hoc Group on JPEG Website, Branding, Sponsorships & Celebration
Chair	Frederik Temmermans (ftemmerm@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 celebration of JPEG 2000 ● Review JPEG branding and provide recommendations ● Publish JPEG Emerging Technologies Workshop proceedings ● Publish the press release & calling notice ● Request access to Google Suite for non-profit organisations ● Create folders for AHGs and projects on LiveLink for collaborative documents ● Discuss sponsorship proposals
Deliverables	<ul style="list-style-type: none"> ● JPEG branding recommendations ● Sponsorship proposal
Meetings	<ul style="list-style-type: none"> ● Online interim meetings may be organized.
How to join	E-mail reflector: jpeg-website@jpeglists.org To subscribe to the reflector, please visit http://jpeg-website-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 - 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 exploration studies #6 on JPEG Pleno Light Field defined in WG1N85033 ● Run exploration studies #1 on JPEG 2000: Part 17 defined in WG1N85050 ● Run core experiment #1 on JPEG 2000: Part 17 defined in WG1N85049 ● Maintain and update Verification Model software ● Maintain and update Reference software ● Prepare candidate text of CD JPEG Pleno Part 3 Conformance Testing ● Prepare candidate text of CD JPEG Pleno Part 4 Reference software ● Prepare candidate text of WD 2.0 JPEG 2000 Part 17 ● Collect new test data
Deliverables	<ul style="list-style-type: none"> ● JPEG Pleno Exploration Studies #6 Report ● JPEG 2000: Part 17 Exploration Studies #1 Report ● JPEG 2000: Part 17 Core Experiments #1 Report ● Updated Verification Model software ● Updated Reference software ● Candidate text for WD Part 3 ● Candidate text for WD Part 4 ● Candidate text of WD 2.0 JPEG 2000 Part 17
Meetings	<ul style="list-style-type: none"> ● Online interim meetings may be organized ● AhG Meeting on 2020-01-19 in Sydney, Australia
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
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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@decc.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 #2 ● Produce a revised Requirements versus Solutions document with input from WG11 ● Produce a Draft Call for Evidence on JPEG Pleno Point Cloud Coding
Deliverables	<ul style="list-style-type: none"> ● Analysis of Exploration Study #2 results ● Updated Common Test Conditions document ● Draft Call for Evidence on Point Cloud Coding ● Updated Requirements versus Solutions document
Meetings	<ul style="list-style-type: none"> ● AhG meeting in Sydney on 2020-01-18 ● An online meeting will be scheduled on 2019-11-25 ● Other online interim meetings may be organized
How to join	<p>E-mail reflector: jpeg-pointcloud@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-pointcloud-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 - 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"> ● Prepare updated use cases and requirement document on JPEG Pleno Holography ● Update common test conditions (CTC) document on JPEG Pleno Holography ● Prepare draft call for proposals (CfP) on JPEG Pleno Holography ● Update the Numerical Reconstruction Software for Holography (NRSH) ● Manage and execute Exploration Studies #6 as contained in WG1N85028 ● Collect new test data for holographic microscopy/tomography and bi-level holograms
Deliverables	<ul style="list-style-type: none"> ● Updated use cases and requirements document on JPEG Pleno Holography

	<ul style="list-style-type: none"> • Updated common test conditions (CTC) document on JPEG Pleno Holography • Draft call for proposal (CfP) document on JPEG Pleno Holography • Report on Exploration Studies 6.0 • Updated version of Numerical Reconstruction Software for Holography (NRSH) • New holographic microscopy/tomography data and bi-level holograms
Meetings	<ul style="list-style-type: none"> • AhG meeting in Sydney on 2020-01-19 • Two teleconference meetings will be planned after consultation with the JPEG Pleno Holography AHG members
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 CD of 2nd edition to ISO/IEC 15444-16 (Encapsulation of JPEG 2000 Images into ISO/IEC 23008-12) • Complete DAM of AMD 1 to ISO/IEC 15444-5 by the end of the editing period • Complete DoCR of CDAM to AMD 1 to ISO/IEC 15444-5 by the end of the editing period • Complete report on testing result of HTJ2K reference software against conformance testing by the end of the editing period • Maintain HTJ2K GitLab repositories
Deliverables	<ul style="list-style-type: none"> • Candidate CD of 2nd edition to ISO/IEC 15444-16 (Encapsulation of JPEG 2000 Images into ISO/IEC 23008-12) • DAM of AMD 1 to ISO/IEC 15444-5 • DoCR of CDAM to AMD 1 to ISO/IEC 15444-5 • Report on testing result of HTJ2K reference software against conformance testing
Meetings	<ul style="list-style-type: none"> • Teleconference on 2019-11-15 at 4 PM PT • AHG meeting on 2020-01-19 in Sydney, AU • Online interim meetings may be organized
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"> Continue development of verification model software (XLM) Perform core experiments 5 Produce candidate DOCR for CD ballot by 2019-12-09 Produce candidate text of DIS by 2019-12-09 Prepare JPEG XL white paper To prepare for IANA registration of codestream and file format
Deliverables	<ul style="list-style-type: none"> Updated verification model software (XLM) suitable for open sourcing Report on Experiments 5.0 Candidate DOCR for CD ballot Candidate text of DIS JPEG XL white paper
Meetings	<ul style="list-style-type: none"> Online meeting 2019-11-25 at 16:00 CET to discuss in particular final configuration of validation experiments Online meeting 2019-12-16 at 17:00 CET AHG meeting in Sydney on 2020-01-18 and 2020-01-19 Other online interim meetings may be organized
How to join	<p>E-mail reflector: jpeg-xl@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-xl-list.jpeg.org or in case of problems contact lists@jpeg.org</p>

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"> Detail guidelines on code update workflow and CI/CD setup in the document on best practices for software maintenance Continue collecting additional inputs on usage of collaborative platforms for document editing, and develop document templates for these platforms Follow-up with GitLab to obtain a free full-featured version Follow-up with ISO about usage of ITU Software Copyright Guidelines Collect feedback on new LiveLink workplace usage
Deliverables	<ul style="list-style-type: none"> Updated version of the report on the exploration of collaborative document editing tools Updated version of the Proposed recommended practices for software development and maintenance
Meetings	<ul style="list-style-type: none"> Online interim meetings may be organized
How to join	<p>E-mail reflector: jpeg-bp@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-bp-list.jpeg.org or in case of problems contact lists@jpeg.org</p>

Subgroup	Requirements
Status	Public
Name	Ad Hoc Group on Media Blockchain
Chair	Frederik Temmermans (ftemmerm@etrovub.be)
Co-chair	Deepayan Bhowmik (d.bhowmik@ieee.org)
Mandates/ Objectives	<ul style="list-style-type: none"> ● Refine use cases and requirements document ● Prepare the open, interactive on-site session at Sydney meeting on 2020-01-21, and coordinate with JPEG Webmaster to publish announcement in particular targeted to Australian experts ● 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 ● Announcement for interactive session at Sydney meeting
Meetings	<ul style="list-style-type: none"> ● AHG online meeting on 14:30 CET 2019-12-11 to review the interactive session preparation, revised use cases and requirements, and other items as agreed ● Other online interim meetings may be organized
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"> ● Perform JPEG AI dataset characterization and revise the images contained in the dataset based on the results ● Identify/collect more learning-based image coding and anchor solutions that can be used in exploration studies ● Perform subjective testing with DSIS and other subjective assessment methodologies with learning-based image codecs and suitable anchors ● Preparation of the text for a call for evidence to be issued in the future ● Revise common test conditions for learning-based image coding solutions based on the exploration studies key conclusions ● Create a publicly accessible section 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"> ● Fully documented JPEG AI dataset for the evaluation of learning-based image coding solutions

	<ul style="list-style-type: none"> ● Report on the subjective studies with objective and subjective assessment of anchors and learning-based image coding solutions ● Preliminary draft of the call for evidence
Meetings	<ul style="list-style-type: none"> ● Online interim meetings may be organized ● AHG meeting in Sydney on 2020-01-19
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 problems contact lists@jpeg.org</p> <p>NOTE: this reflector has moved from Google Groups to jpeglists.org, all members should re-subscribe!</p>

Subgroup	Systems & Integration
Status	Public
Name	Ad Hoc Group on JPEG Systems
Chair	Andy Kuzma (andy.kuzma@intel.com)
Co-chair	Frederik Temmermans (ftemmerm@etrovub.be)
Mandates/ Objectives	<ul style="list-style-type: none"> ● Review Part 4 Privacy & Security IS text, and coordinate with ISO Editors for finalized text ● Prepare editable figures for JPSearch Part 2 text, dependent on Jaime ● Review WD of Part 5 AMD1 wrt definition of new Embedded File Content Type ● Prepare CDAM Part 6 AMD1 text ● Update the draft text for Part 7 (JLINK) ● Define the top-level structure for a GitLab repository for the 4-5-6 software implementation, and create accordingly ● Define next steps in Software Implementation development ● Resolve source code restrictions for Software Implementation, if possible ● Develop a draft whitepaper on JPEG Systems for review at 86th 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 ● Review the JPEG Best Practices and apply for development of 4-5-6 software implementation ● Coordinate with JPEG Best Practices for use by JPEG Systems
Deliverables	<ul style="list-style-type: none"> ● JPSearch Part 2 figures completed ● Part 4 IS text to ISO Editor for publication ● Part 5 AMD1 working draft text ● Part 6 AMD1 CDAM text ● Part 7 JLINK updated draft text ● Draft JPEG Systems whitepaper ● Proposed development for 4-5-6 software implementation ● Update on JPEG activities, as required ● Update to JPEG Website to JPEG Webmaster, needed ● Review and apply JPEG best practices as needed ● Identified types to register with MP4RA, if any

Meetings	<ul style="list-style-type: none"> • AhG online meeting on 15:00 CET 2019-12-12 on software implementation development plan, and JLINK WD, JUMBF AMD1. • AhG online meeting on 15:00 CET 2020-01-09 to review interim mandates and progress towards goals, set agenda for 86th JPEG meeting in Sydney • Other online interim meetings may be organized • AHG meeting in Sydney on Saturday (2020-01-18) if needed, and definitely Sunday 2020-01-19
How to join	<p>E-mail reflector: jpeg-systems@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-systems-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 Reference software
Chair	Thomas Richter (thomas.richter@iis.fraunhofer.de)
Co-chair	
Mandates/ Objectives	<ul style="list-style-type: none"> • Prepare and update JPEG reference software • Prepare draft AMD1 for the ISO/IEC 10918-7
Deliverables	<ul style="list-style-type: none"> • Updated software implementations • Draft ISO/IEC 10918-7 AMD1
Meetings	<ul style="list-style-type: none"> • Other online interim meetings may be organized
How to join	<p>E-mail reflector: jpeg-reference@jpeglist.org</p> <p>To subscribe to the reflector, please visit http://jpeg-reference-list.jpeg.org or in case of problems contact lists@jpeg.org</p>