

**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 during the 90th ISO/IEC JTC 1/SC29/WG1 Meeting, 2021-01-18 to 2021-01-22, Online

SOURCE: WG1 Convenor

PROJECT: All WG1 projects

STATUS: Final

REQUESTED ACTION: For information

DISTRIBUTION: Public

Contact:

ISO/IEC JTC 1/SC29/WG1 Convenor – 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. [Ad Hoc Group on JPEG XS](#)
2. [Ad Hoc Group on JPEG Website, Sponsorships & Operations](#)
3. [Ad Hoc Group on JPEG Pleno Light Field](#)
4. [Ad Hoc Group on JPEG Pleno Point Cloud](#)
5. [Ad Hoc Group on JPEG Pleno Holography](#)
6. [Ad Hoc Group on JPEG 2000](#)
7. [Ad Hoc Group on JPEG XL](#)
8. [Ad Hoc Group on Fake Media](#)
9. [Ad Hoc Group on JPEG AI](#)
10. [Ad Hoc Group on JPEG Systems](#)
11. [Ad Hoc Group on JPEG Reference Software](#)
12. [Ad Hoc Group on Best Practices for JPEG Meetings](#)
13. [Ad Hoc Group on Digital Media Storage using DNA](#)

Subgroup	Image Coding and Quality
Status	Moderated
Name	Ad Hoc Group on JPEG XS
Chair	Tim Bruylants (t.bruylants@intopix.com)
Co-chair	Thomas Richter (thomas.richter@iis.fraunhofer.de)
Mandates/ Objectives	<ul style="list-style-type: none"> ● Run Core Experiment 3 as specified in WG1N90037 ● Run Exploration Study 2 as specified in WG1N90038 ● Prepare DOCR for DIS ballot and prepare FDIS Study text for ISO/IEC 21122-1 2nd Edition ● Prepare DOCR for DIS ballot and prepare FDIS Study text for ISO/IEC 21122-3 2nd Edition ● Prepare CD for 21122-4 2nd Edition ● Prepare CD for 21122-5 2nd Edition ● Update BufferModelChecker for 21122-4 ● Update codestream parser for JPEG standards jointly with JPEG systems ● Prepare a draft of a second White Paper describing new Bayer coding tools ● Update draft for JPEG XS Roadmap (positioning in standardization landscape, future extensions, support of JPEG XS by other standards)
Deliverables	<ul style="list-style-type: none"> ● Results of Core Experiment 3 ● Results of Exploration Study 2 ● Draft DOCR and FDIS Study text for ISO/IEC 21122-1 2nd edition ● Draft DOCR and FDIS Study text for ISO/IEC 21122-3 2nd edition ● CD Study text for 21122-4 2nd Edition ● CD Study text for 21122-5 2nd Edition ● Updated BufferModelChecker for 21122-4 ● Updated codestream parser for JPEG standards ● Draft of the White Paper on sensor compression ● Draft of the JPEG XS roadmap

Meetings	Online AHG meetings on the following dates <ul style="list-style-type: none"> • Joint AHG meeting with XL on HDR on Monday 2021-03-01, 9:00-10:00 UTC [for this joint meeting use https://Cloudinary.zoom.us/j/99063229601?pwd=OWt2RnoyNFBZnkxNN3ZtMWw3KzI5Zz09] • Thursday 2021-02-04, 8:00-9:00 UTC • Thursday 2021-02-18, 8:00-9:00 UTC • Thursday 2021-03-04, 8:00-9:00 UTC • Thursday 2021-03-18, 8:00-9:00 UTC • Thursday 2021-04-08, 7:00-11:00 UTC Additional online meetings may be scheduled as required with at least a one week's notice
How to join	E-mail reflector: jpeg-xs To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Communication
Status	Moderated
Name	Ad Hoc Group on JPEG Website, Sponsorships & Operations
Chair	Frederik Temmermans (frederik.temmermans@vub.be)
Co-chair	Tim Bruylants (t.bruylants@intopix.com)
Mandates/ Objectives	<ul style="list-style-type: none"> • Maintain JPEG website and update content • Publish the press release & calling notice • Publish 2nd JPEG DNA Workshop and 1st JPEG Fake Media Workshop proceedings and publish workshop videos on YouTube • Continue implementation of the new jpeg.org front page structure • Update website content for JPEG XS • Update website content for JPEG XL • Update website content for JPEG Systems and add Documentation page • Follow up on ISO Documents and procedure for uploading documents • Initiate use of JPEG Google account • Create and use a Slack account for JPEG • Create draft of JPEG Operating Manual in Markdown • Initiate 2021 sponsorship program • Maintain list of defect reports
Deliverables	<ul style="list-style-type: none"> • JPEG Operating Manual draft • ISO Documents guidelines
Meetings	Online AHG meetings on the following dates <ul style="list-style-type: none"> • Tuesday 2021-02-23, 13:00-14:00 UTC • Tuesday 2121-03-30, 12:00-13:00 UTC Additional online meetings may be scheduled as required with at least a one week's notice.
How to join	E-mail reflector: jpeg-website To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Plenoptic Coding and Quality
Status	Public

Name	Ad Hoc Group on JPEG Pleno Light Field
Chair	Cristian Perra (cperra@ieee.org)
Co-chair	Carla Pagliari (carla@ime.eb.br)
Mandates/ Objectives	<ul style="list-style-type: none"> • Run Exploration Study 10 on JPEG Pleno Light Field defined in WG1N90041 • Update and maintain JPEG Pleno Reference Software • Run Core Experiment 6 on JPEG 2000 Part 17 Coding of Discontinuous Media defined in WG1N90042 • Prepare CTC 1.0 draft for ISO/IEC 15444-17 • Prepare CD study text for ISO/IEC 15444-17
Deliverables	<ul style="list-style-type: none"> • Report on Exploration Study 10 for JPEG Pleno Light Field • Updated JPEG Pleno Reference Software • Report on Core Experiment 6 for JPEG 2000 Part 17 • CTC 1.0 draft for ISO/IEC 15444-17 • CD study text for ISO/IEC 15444-17
Meetings	<ul style="list-style-type: none"> • 2-weekly AHG meetings are planned, the exact dates will be decided upon by 2021-02-05 Additional online meetings may be scheduled as determined by the AHG with at least one week's notice
How to join	E-mail reflector: jpeg-lightfield To subscribe to the reflector, please visit http://listregistration.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"> • Discuss and upgrade scope for activity • Further engage with industry and academia about requirements in relation to point cloud representation • Propose update to JPEG Pleno Point Cloud Common Test Conditions taking into account Call for Evidence results • Propose update to JPEG Pleno Point Cloud Use Cases and Requirements based on updated activity scope
Deliverables	<ul style="list-style-type: none"> • Proposal for updated JPEG Pleno Point Cloud Common Test Conditions document • Proposal for updated JPEG Pleno Point Cloud Use Cases and Requirements document including updated scope
Meetings	<ul style="list-style-type: none"> • Online meetings will be scheduled in agreement with the participants
How to join	E-mail reflector: jpeg-pointcloud To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Plenoptic Coding 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.be)
Mandates/ Objectives	<ul style="list-style-type: none"> • Manage and execute Exploration Study 11 as contained in WG1N90058 • Maintain Numerical Reconstruction Software for Holography (NRSH) • Update Common Test Conditions (CTC) • Prepare Final Call for Proposals (CfP) • Validate test procedure for Call for Proposals (CfP)
Deliverables	<ul style="list-style-type: none"> • Report on Exploration Study 11 • Updated Numerical Reconstruction Software for Holography (NRSH) • Updated Common Test Conditions (CTC) document • Text for Final Call for Proposal (CfP) document • Validated test procedure for Call for Proposals (CfP)
Meetings	<ul style="list-style-type: none"> • 2-weekly AHG meetings are planned, the exact dates will be decided upon by 2021-02-05 • Additional online meetings as determined by the AHG with at least one week's notice
How to join	E-mail reflector: jpeg-holo To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Image Coding and Quality
Status	Public
Name	Ad Hoc Group on JPEG 2000
Chair	Pierre-Anthony Lemieux (pal@sandflow.com)
Co-chair	David Taubman (d.taubman@unsw.edu.au)
Mandates/ Objectives	<ul style="list-style-type: none"> • Maintain HTJ2K GitLab repositories • Prepare CD study text of ISO/IEC 15444-8 2ED (“Secure JPEG 2000”) • Prepare CD study text of ISO/IEC 15444-9 2ED (“JPEG 2000 image coding system: Interactivity tools, APIs and protocols”) • Study new edition of ISO/IEC 15444-15 (“HT J2K”) • Prepare DoCR for DIS ballot of ISO/IEC 15444-2 2ED • Prepare FDIS study text for ISO/IEC 15444-2 2ED
Deliverables	<ul style="list-style-type: none"> • CD study text of ISO/IEC 15444-8 2ED • CD study text of ISO/IEC 15444-9 2ED • DoCR for DIS ballot of ISO/IEC 15444-2 2ED • FDIS study text for ISO/IEC 15444-2 2ED • Report on potential new edition of ISO/IEC 15444-15 (“HT J2K”)
Meetings	Online interim meetings as determined by the AHG with at least one week's notice
How to join	E-mail reflector: jpeg-htj2k

	To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .
--	---

Subgroup	Image Coding and Quality
Status	Public
Name	Ad Hoc Group on JPEG XL
Chair	Jon Sneyers (jon@cloudinary.com)
Co-chair	Luca Versari (veluca@google.com)
Mandates/ Objectives	<ul style="list-style-type: none"> • Maintenance of reference software • Execute Core Experiment 9 • Prepare study text of DAM.1 ISO/IEC 18181-1 • Prepare draft DoCR for DIS ballot of 18181-2 • Prepare FDIS study text for ISO/IEC 18181-2 • Prepare CD study text for ISO/IEC 18181-3 • Prepare Draft DoCR for CD ballot of ISO/IEC 18181-4 • Prepare DIS study text for ISO/IEC 18181-4 • Add results to CE 8.1, 8.3 for a HEVC HM 4:4:4 configuration • Collaborate with JPEG XS AHG on HDR exploration study • Prepare website updates
Deliverables	<ul style="list-style-type: none"> • Updated reference software • Updated report on Core experiment 8 including a 4:4:4 HEVC HM configuration • Report on Core experiment 9 • Study text of DAM.1 to ISO/IEC 18181-1 • Draft DoCR for DIS ballot of ISO/IEC 18181-2 • FDIS study text of ISO/IEC 18181-2 • CD study text of ISO/IEC 18181-3 • Draft DoCR for CD ballot of ISO/IEC 18181-4 • DIS study text for ISO/IEC 18181-4
Meetings	<ul style="list-style-type: none"> • AHG meeting on Part 2 DIS DOCR and FDIS study text on Monday 2021-03-22, 16:00-18:00 UTC • Joint AHG meeting with JPEG XS on HDR subjective evaluation on Monday 2021-03-01, 9:00-10:00 UTC [https://Cloudinary.zoom.us/j/99063229601?pwd=OWt2RnoyNFBZNkxNNTZtMWw3Kz15Zz09] Additional online meetings may be scheduled with at least one week's notice
How to join	E-mail reflector: jpeg-xl To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Requirements
Status	Public
Name	Ad Hoc Group on JPEG Fake Media
Chair	Frederik Temmermans (frederik.temmermans@vub.be)
Co-chair	Deepayan Bhowmik (d.bhowmik@icee.org)
Mandates/ Objectives	<ul style="list-style-type: none"> • Collect additional updates to use cases and requirements document • Further complete and refine the JPEG Fake Media definitions

	<ul style="list-style-type: none"> Organize 2nd JPEG Fake Media Workshop Align with JPEG Systems to initiate work on extended signatures support in JUMBF Engage with stakeholders and attract them contribute
Deliverables	<ul style="list-style-type: none"> Updated use cases and requirements document with improved definitions Workshop proceedings
Meetings	<p>Online AHG meetings on the following dates:</p> <ul style="list-style-type: none"> Thursday 2021-02-25, 13:00-14:30 UTC to discuss the set of definitions and 2nd workshop. Thursday 2021-03-11, 14:00-15:30 UTC to discuss use cases and requirements at the light of the revised definitions (joint with Systems AHG) Thursday 2021-04-01, 12:00-13:30 UTC to review the status of the AHG mandates and prepare for the 91st JPEG meeting <p>Additional online meetings may be scheduled as required with at least a one week's notice</p>
How to join	<p>E-mail reflector: jpeg-fake-media</p> <p>To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org.</p>

Subgroup	Requirements
Status	Public
Name	Ad Hoc Group on JPEG AI
Chair	João Ascenso (joao.ascenso@lx.it.pt)
Co-chair	Evgeniy Upenik (evgeniy.upenik@epfl.ch)
Mandates/Objectives	<ul style="list-style-type: none"> Perform exploration study on compressed domain computer vision and image processing tasks Improve the JPEG AI Use cases and Requirements Improve the JPEG AI Common Test Conditions Improve the draft JPEG AI Call for Proposals
Deliverables	<ul style="list-style-type: none"> Proposed Draft JPEG AI Call for Proposals Proposed revision of JPEG AI Use cases and Requirements Proposed revision of JPEG AI Common Test Conditions Report on the exploration study on compressed domain computer vision and image processing tasks
Meetings	<ul style="list-style-type: none"> Online meeting on 2021-02-17, 13:00 UTC Online meeting on 2021-03-17, 13:00 UTC Online meeting on 2021-04-14, 13:00 UTC <p>Additional online meetings may be scheduled as required with at least one week's notice.</p>
How to join	<p>E-mail reflector: jpeg-ai</p> <p>To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org.</p>

Subgroup	Systems & Integration
-----------------	-----------------------

Status	Public
Name	Ad Hoc Group on JPEG Systems
Chair	Andy Kuzma (andy.kuzma@intel.com)
Co-chair	Frederik Temmermans (frederik.temmermans@vub.be)
Mandates/ Objectives	<ul style="list-style-type: none"> ● Upload JPEG 360 AMD1 IS text to output directory by 2021-02-08 ● Confirm JPSearch Part 2 publication ● Confirm JUMBF AMD1 publication ● Confirm JPEG 360 AMD1 publication ● Prepare JPEG Snack CD study text ● Prepare JLINK DIS study text ● For Systems software repository (Jointly with JPEG XS AHG): <ul style="list-style-type: none"> ○ merge the codestream parsers across JPEG, ○ create version(s) that support JPEG Systems standards for Part 4, 5, and 6 (Privacy & Security, JUMBF, and JPEG 360) ○ upload binary utility for converting JPEG-1 to JPEG 360 file format ● Add content authenticity use cases & requirements to JPEG Fake Media use cases & requirements, and investigate implementation options for incorporating into a Systems standard (Joint with JPEG Fake Media) ● Prepare draft JPEG Systems white paper ● Update JPEG Systems website with Documentation section and the JPEG Snack description
Deliverables	<ul style="list-style-type: none"> ● JPEG Snack CD study text ● JLINK DIS study text ● Updated content authenticity use cases & requirements in JPEG Fake Media, and proposal for incorporation into Systems standard ● Progress on building the Systems software repository as detailed above ● Updated JPEG Systems website ● JPEG Systems white paper
Meetings	<ul style="list-style-type: none"> ● AHG online meeting on 2021-01-28, 14:00 – 14:30 UTC on JPEG 360 AMD1 readiness for upload to output directory ● AHG online meeting on 2021-02-16, 14:00 – 15:30 UTC on Systems software repository for JPEG file parser, and Systems white paper (Joint with JPEG XS AHG) ● AHG online meeting on 2021-03-04, 14:00 – 15:30 UTC on JPEG Snack CD study text review ● AHG online meeting on 2021-03-11, 14:00 – 15:30 UTC on use cases & requirements (Joint with Fake Media AHG) ● AHG online meeting on 2021-04-01, 14:00 – 15:30 UTC on JLINK DIS study text review ● AHG online meeting on 2021-04-08, 14:00 – 16:30 UTC on 91st JPEG S&I meeting preparation <p>Additional online meetings may be scheduled as determined by the AHG with at least one week's notice</p>
How to join	E-mail reflector: jpeg-systems To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Image Coding 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 draft DoCR for DIS ballot on ISO/IEC 10918-7 2nd edition • Prepare FDIS study text of ISO/IEC 10918-7 2nd edition • Check for updates of the reference software implementations
Deliverables	<ul style="list-style-type: none"> • Draft DoCR for DIS ballot on ISO/IEC 10918-7 2nd edition • FDIS study text of ISO/IEC 10918-7 2nd edition • Potentially new versions of JPEG reference software implementations
Meetings	Online meetings may be scheduled as required with at least one week's notice
How to join	E-mail reflector: jpeg-reference To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Requirements
Status	Moderated
Name	Ad Hoc Group on Best Practices for JPEG Meetings
Chair	Walt Husak (wjh@dolby.com)
Co-chair	
Mandates/ Objectives	<ul style="list-style-type: none"> • Issue the JPEG Member Survey with a four-week response time • Collect and analyze the data from the survey • Develop a report on the survey summarizing the results • Analyze potential procedures or structures that may be applicable to JPEG • Recommend potential solutions to address the issues • Continue communications with SD N19 AG17 representatives
Deliverables	<ul style="list-style-type: none"> • Survey summary report • Report on potential meeting practices
Meetings	<ul style="list-style-type: none"> • Regular online meetings every two weeks on Thursdays 17:00 UTC (09:00 PST)
How to join	E-mail reflector: jpeg-meetings To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Requirements
Status	Public
Name	Ad Hoc Group on Digital Media Storage using DNA
Chair	Touradj Ebrahimi (touradj.ebrahimi@epfl.ch)
Co-chair	Fernando Pereira (fp@lx.it.pt)
Mandates/ Objectives	<ul style="list-style-type: none"> • Continue with the analysis of the state-of-the-art in DNA digital storage and identification of challenges especially relevant to JPEG's scope

	<ul style="list-style-type: none"> • Continue identification and description of use cases and requirements focused on digital media applications and prioritize them based on their maturity and expected time to deployment • Continue with identification and description of potential areas where JPEG can contribute with best practices and standards • Identify and invite stakeholders (academia, industry, end-user communities) • Organize a third workshop on DNA digital storage prior the 91st JPEG meeting
Deliverables	<ul style="list-style-type: none"> • Updates to the report on state-of-the-art in DNA digital storage and challenges, use cases and requirements for digital media storage using DNA
Meetings	Online AHG meetings as determined by the AHG with at least one week's notice
How to join	<p>E-mail reflector: jpeg-dna</p> <p>To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org.</p>