

**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 Ad Hoc Groups established during the 94th
ISO/IEC JTC 1/SC29/WG1 Meeting,
2022-01-17 to 2022-01-21, Online

SOURCE: WG1 Convenor

PROJECT: All WG1 projects

STATUS: Final

**REQUESTED
ACTION:** For information

DISTRIBUTION: Public

Contact:

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WG1 approved creation of new Ad Hoc Groups as listed below.

1. [Ad Hoc Group on JPEG Operations](#)
2. [Ad Hoc Group on Dissemination](#)
3. [Ad Hoc Group on JPEG Fake Media](#)
4. [Ad Hoc Group on JPEG NFT](#)
5. [Ad Hoc Group on Digital Media Storage using DNA](#)
6. [Ad Hoc Group on JPEG AI](#)
7. [Ad Hoc Group on JPEG Pleno Point Cloud](#)
8. [Ad Hoc Group on JPEG GMIS](#)
9. [Ad Hoc Group on Image Quality Assessment](#)
10. [Ad Hoc Group on JPEG Pleno Light Field](#)
11. [Ad Hoc Group on JPEG Pleno Holography](#)
12. [Ad Hoc Group on JPEG 2000](#)
13. [Ad Hoc Group on JPEG XS](#)
14. [Ad Hoc Group on JPEG XL](#)
15. [Ad Hoc Group on JPEG Reference Software](#)
16. [Ad Hoc Group on JPEG Systems](#)

Subgroup	Communication
Mailing list	Moderated
Name	Ad Hoc Group on JPEG 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 3rd JPEG NFT and Fake Media Workshop Proceedings and publish workshop video on YouTube ● Follow up mailing list issues and discuss future communication plan ● Follow up upload status and notification of output documents ● Remove duplicated output documents in members upload area of 93rd and 94th meeting ● Follow up and evaluate the procedures for handling documents ● Contact ISO regarding ISO Documents issues ● Resolve issue with links from JPEG.org to static documents ● Update JPEG Operating Manual, in particular naming conventions ● Check Zotero storage usage and if needed proceed with upgrading to Zotero Pro account based on the offered anonymous sponsorship ● Discuss access management to WG1 accounts ● Initiate the 2022 sponsorship program ● Update website content for JPEG Systems ● Follow up WG1 content on SC29 website ● Investigate request for verified Twitter account and consider name change

	to jpeg, jpegstandards or wgljpeg
Deliverables	<ul style="list-style-type: none"> Updated JPEG Operating Manual
Meetings	Online AHG meetings on the following dates <ul style="list-style-type: none"> Tuesday 2022-02-15, 13:00-14:30 UTC Tuesday 2022-03-22, 13:00-14:30 UTC Additional online meetings may be scheduled as required with at least a one week's notice.
How to join	Email reflector: jpeg-website To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Communication
Mailing list	Moderated
Name	Ad Hoc Group on Dissemination
Chair	Antonio Pinheiro (pinheiro@ubi.pt)
Co-chair	Tim Bruylants (t.bruylants@intopix.com)
Mandates/ Objectives	<ul style="list-style-type: none"> Define a set of documents that will be used for JPEG Committee members in dissemination activities (requests for information from Liaison representatives). To study the possibility of creating dissemination videos. JPEG overview
Deliverables	<ul style="list-style-type: none"> Set of slides for dissemination activities JPEG overview document
Meetings	Online AHG meetings as determined by the AHG with at least one week's notice.
How to join	Email reflector: jpeg-dissemination To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Requirements
Mailing list	Public
Name	Ad Hoc Group on JPEG Fake Media
Chair	Frederik Temmermans (frederik.temmermans@vub.be)
Co-chair	Deepayan Bhowmik (d.bhowmik@ieee.org)
Mandates/ Objectives	<ul style="list-style-type: none"> Further improve the "Use Cases and Requirements for JPEG Fake Media" document Further improve the "Draft Call for Proposals for JPEG Fake Media" Align with the JPEG NFT and Systems AHGs Organize a 4th JPEG NFT and Fake Media Workshop Engage with stakeholders and attract them to contribute
Deliverables	<ul style="list-style-type: none"> Proposed updates to "Use Cases and Requirements for JPEG Fake Media"

	<ul style="list-style-type: none"> Proposed updates to “Draft Call for Proposals for JPEG Fake Media” 4th JPEG NFT and Fake Media Workshop Proceedings
Meetings	<p>Online AHG meetings on the following dates:</p> <ul style="list-style-type: none"> Thursday 2022-02-17: 21:00-23:00 UTC Wednesday 2022-03-15: 14:00-16:00 UTC Thursday 2022-04-14: 06:00-08:00 UTC <p>Additional online meetings may be scheduled as required with at least a one week’s notice.</p>
How to join	<p>Email 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
Mailing list	Public
Name	Ad Hoc Group on JPEG NFT
Chair	Kambiz Homayounfar (kambiz@rayshapersa.ch)
Co-chair	Frederik Temmermans (frederik.temmermans@vub.be)
Mandates/ Objectives	<ul style="list-style-type: none"> Continue exploring and analyzing the state-of-the-art in NFTs for digital assets especially those that can be represented using JPEG formats Continue identifying, describing and documenting use cases and requirements for NFTs focused on digital media types and applications relevant to JPEG Continue identifying and describing potential areas where JPEG can contribute with best practices and standards Maintain and update the Second Draft Use Cases and Requirements for JPEG NFT document Coordinate efforts with JPEG Fake Media and JPEG Systems AHGs Identify and invite stakeholders from academia, industry, end-user communities Organize 4th JPEG NFT and Fake Media Workshop prior to the 95th JPEG meeting
Deliverables	<ul style="list-style-type: none"> Proposed updates to “Second Draft Use Cases and Requirements for JPEG NFT” 4th JPEG NFT and Fake Media Workshop Proceedings
Meetings	<p>Online AHG meetings on the following dates:</p> <ul style="list-style-type: none"> Tuesday 2022-02-08: 06:00-08:00 UTC Tuesday 2022-03-08: 14:00-16:00 UTC Tuesday 2022-04-12: 21:00-23:00 UTC <p>Additional online meetings may be scheduled as required with at least a one week’s notice.</p>
How to join	<p>Email reflector: jpeg-nft</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
Mailing list	Public

Name	Ad Hoc Group on Digital Media Storage using DNA
Chair	Marc Antonini (am@i3s.unice.fr)
Co-chair	Touradj Ebrahimi (touradj.ebrahimi@epfl.ch)
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 • Continue identification, description and improvement 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) • Update and maintain the Common Test Conditions (CTC) document for JPEG DNA • Propose a document describing the end-to-end experimental codec for use in CTC • Validate (beta test) and extend the JPEG DNA experimentation software to simulate an end-to-end image storage pipeline using DNA for future exploration experiments • Carry out exploration experiments as defined in CTC • Explore carrying out an end-to-end wet lab experiment (including DNA synthesis) • Prepare an outreach video to explain DNA coding • Organize a 6th workshop on JPEG DNA with emphasis on the biochemical process noise simulators
Deliverables	<ul style="list-style-type: none"> • Proposed text with 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 • Proposed text for updates to CTC document for JPEG DNA • Proposed text for description of the end-to-end experimental codec for use in the CTC • Updated end-to-end simulator for image storage using DNA that includes synthesizer/sequencer • Promotional video explaining DNA coding • 6th workshop on JPEG DNA Proceedings
Meetings	Online AHG meetings as determined by the AHG with at least one week's notice.
How to join	Email reflector: jpeg-dna To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Requirements
Mailing list	Public
Name	Ad Hoc Group on JPEG AI
Chair	João Ascenso (joao.ascenso@lx.it.pt)
Co-chair	Elena Alshina (elena.alshina@huawei.com)
Mandates/Objectives	<ul style="list-style-type: none"> • Manage and perform Exploration Study 5 of objective quality assessment of noisy images • Release of the test datasets for standard reconstruction

	<ul style="list-style-type: none"> • Release of the test datasets for image processing and computer vision tasks • Coordinate anchors generation for standard reconstruction and computer vision and image processing tasks and cross-check by JPEG • Prepare and conduct objective quality assessment and dry run of subjective quality assessment with anchors for standard reconstruction, according to the CTTC
Deliverables	<ul style="list-style-type: none"> • Report on the exploration study of objective quality assessment of noisy images • Report on the objective quality assessment and dry run of subjective quality assessment with anchors for standard reconstruction
Meetings	Online AHG meetings on the following dates: <ul style="list-style-type: none"> • Friday 2022-02-11, 13:00-16:00 UTC • Friday 2022-03-11, 13:00-16:00 UTC • Monday 2022-04-11, 13:00-16:00 UTC Additional online meetings may be scheduled as required with at least one week's notice.
How to join	Email reflector: jpeg-ai To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Requirements
Mailing list	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"> • Promote the Call for Proposals to industry and academia • Refine and debug existing scripts and create a repository for scripts associated with subjective testing, objective metrics calculation and mesh sampling • Finalise the test dataset for the Call for Proposals • Create training dataset repository • Manage and execute Exploration Study 6 • Refine the Common Training and Test Conditions document
Deliverables	<ul style="list-style-type: none"> • Report on outcomes of Exploration Study 6 • Proposed Updated JPEG Pleno Point Cloud Common Training and Test Conditions document • Repository of scripts for CTTC subjective evaluation procedures and objective quality and sampling of meshed content • Test dataset repository • Training dataset repository
Meetings	Online meetings will be scheduled in agreement as determined by the AHG with at least one week's notice.
How to join	Email reflector: jpeg-pointcloud To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Requirements
Mailing list	Public
Name	Ad Hoc Group on JPEG GMIS
Chair	Oh-Jin Kwon (ojkwon@sejong.ac.kr)
Co-chair	Jon Sneyers (jon@cloudinary.com)
Mandates/ Objectives	<ul style="list-style-type: none"> Continue refining the GMIS Use Cases and Requirements Collect data sets of images for each use case Collect anchors for evaluating state-of-the-art inter-image coding performance Prepare a draft CTC for evaluating the performance of anchors Execute Exploration Study 1 for GMIS
Deliverables	<ul style="list-style-type: none"> Proposed updates to “GMIS Use Cases and Requirements” Sample sets of images for each use case Proposed “Draft CTC document” for evaluating the performance of anchors Results of Exploration Study 1 for GMIS
Meetings	Online AHG meetings on the following dates: <ul style="list-style-type: none"> Tuesday 2022-03-15: 13:00-14:00 UTC Tuesday 2022-04-19: 13:00-14:00 UTC Additional online meetings may be scheduled as required with at least one week’s notice.
How to join	Email reflector: jpeg-gmis 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 Image Quality Assessment
Chair	Evgeniy Upenik (evgeniy.upenik@huawei.com)
Co-chair	Michela Testolina (michela.testolina@epfl.ch)
Mandates/ Objectives	<ul style="list-style-type: none"> Finalize the state-of-the-art review of subjective methodologies for image quality assessment document Work on the first draft of the Call for Contributions on Subjective Assessment Methods document Update the document Use Cases and Requirements for Image Quality Assessment
Deliverables	<ul style="list-style-type: none"> Proposed Image quality assessment state-of-the-art review document Proposed Draft Call for Contributions on Subjective Assessment Methods document. Proposed updates to “Use Cases and Requirements for Image Quality Assessment”
Meetings	Online AHG meetings on the following date <ul style="list-style-type: none"> Monday 2022-02-21, 13:00-15:00 UTC Wednesday 2022-03-16, 08:00-10:00 UTC Additional online meetings may be scheduled as required with at least a one week’s notice.

How to join	E-mail reflector: jpeg-aic To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .
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Subgroup	Plenoptic Coding and Quality
Mailing list	Public
Name	Ad Hoc Group on JPEG Pleno Light Field
Chair	Carla Pagliari (carla@ime.eb.br)
Co-chair	Saeed Mahmoudpour (saeed.mahmoudpour@vub.be)
Mandates/ Objectives	<ul style="list-style-type: none"> • Update JPEG Pleno Use Cases and Requirements for Light Field Quality Assessment • Study use cases and requirements for learning-based light field coding • Plan a workshop on learning-based light field coding • Produce DOCR and study text for FDIS JPEG 2000 Part 17
Deliverables	<ul style="list-style-type: none"> • Updated JPEG Pleno Use Cases and Requirements for Light Field Quality Assessment • Workshop on learning-based light field coding • DOCR and study text for FDIS JPEG 2000 Part 17
Meetings	Online AHG meetings will be decided by doodle poll with at least one week's notice.
How to join	Email reflector: jpeg-lightfield 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
Mailing list	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 Core Experiment 2 as contained in WG1N100114 • Manage and execute Exploration Study 15 as contained in WG1N100115 • Update Common Test Conditions document and associated CTC software • Finalize Verification Model Software 1.0 for JPEG Pleno Holography by 2022-02-18 and further maintain software • Update Working Draft for JPEG Pleno Holography
Deliverables	<ul style="list-style-type: none"> • Report on Core Experiment 2 • Report on Exploration Study 15 • Proposed updates to Common Test Conditions document and associated CTC software • Verification Model Software 1.0 for JPEG Pleno Holography • Study text for updated Working Draft for JPEG Pleno Holography
Meetings	Online AHG meetings on the following dates: <ul style="list-style-type: none"> • Thursday 2022-02-24 • Thursday 2022-03-10

	<ul style="list-style-type: none"> • Thursday 2022-03-31 • Wednesday 2022-04-20 • Thursday 2022-04-21 <p>The meeting times will be decided by doodle poll. Additional online meetings as determined by the AHG with at least one week's notice.</p>
How to join	<p>Email reflector: jpeg-holo</p> <p>To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org.</p>

Subgroup	Image Coding and Quality
Mailing list	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 DOCR for CD ballot on ISO/IEC 15444-2 3ED • Prepare DIS study text of ISO/IEC 15444-2 3ED • Prepare report on Core Experiment 1 on ISO/IEC 15444-4 3ED
Deliverables	<ul style="list-style-type: none"> • HTJ2K GitLab repositories • DOCR for CD ballot on ISO/IEC 15444-2 3ED • DIS study text of ISO/IEC 15444-2 3ED • Report on Core Experiment 1 on ISO/IEC 15444-4 3ED
Meetings	Online interim meetings as determined by the AHG with at least one week's notice.
How to join	<p>Email reflector: jpeg-htj2k</p> <p>To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org.</p>

Subgroup	Image Coding and Quality
Mailing list	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 Exploration Study 1 as specified in WG1N100092 • Collect IS study texts from Project Editors for 21122-1 2ED, 21122-2 2ED, and 21122-3 2ED • Work on draft of the White Paper describing XS Bayer coding tools • Draft DOCR for ISO/IEC 21122-2/DAMD1 • Collect additional content for Exploration Study 1
Deliverables	<ul style="list-style-type: none"> • Results of Exploration Study 1 • IS study texts for 21122-1 2ED, 21122-2 2ED, and 21122-3 2ED • DOCR for ISO/IEC 21122-2/DAMD1

	<ul style="list-style-type: none"> Proposed update of the White Paper on XS Bayer coding tools
Meetings	Online AHG meetings on the following dates <ul style="list-style-type: none"> Thursday 2022-03-17, 8:00-9:00 UTC Thursday 2022-03-31, 7:00-8:00 UTC Thursday 2022-04-14, 7:00-10:00 UTC Additional online meetings may be scheduled as required with at least a one week's notice.
How to join	Email reflector: jpeg-xs 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
Mailing list	Public
Name	Ad Hoc Group on JPEG XL
Chair	Jon Sneyers (jon@cloudinary.com)
Co-chair	Jyrki Alakuijala (jyrki@google.com)
Mandates/ Objectives	<ul style="list-style-type: none"> Maintain reference software Execute Core Experiments 12 Prepare CD study text of ISO/IEC 18181-1 2nd Edition Prepare draft DOCR for DIS of 18181-3 Prepare FDIS study text of 18181-3 Prepare updated white paper Prepare website updates
Deliverables	<ul style="list-style-type: none"> Updated reference software Report of CE 12 CD study text of ISO/IEC 18181-1 2nd Edition Draft DOCR for DIS of 18181-3 FDIS study text of 18181-3 Proposed update of the White Paper
Meetings	Online AHG meetings on the following dates <ul style="list-style-type: none"> Monday 2022-03-14, 15:00-16:00 UTC on the White Paper Monday 2022-03-21, 8:00-10:00 UTC on CE 12 Additional online meetings may be scheduled as required with at least a one week's notice.
How to join	Email reflector: jpeg-xl 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
Mailing list	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"> Check for updates of the reference software implementations

	<ul style="list-style-type: none"> Potentially check for the creation of a 3rd edition of ISO/IEC 10918-7
Deliverables	<ul style="list-style-type: none"> 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	Email reflector: jpeg-reference To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .

Subgroup	Systems & Integration
Mailing list	Public
Name	Ad Hoc Group on JPEG Systems
Chair	Leonard Rosenthol (lrosenthol@adobe.com)
Co-chair	Frederik Temmermans (frederik.temmermans@vub.be)
Mandates/ Objectives	<ul style="list-style-type: none"> Develop JPEG Systems White Paper from papers of other conferences Draft new Use Cases and Requirements for JUMBF Extensions Writing specifications for IANA registration of JUMBF media type for usage as standalone file as part of 19566-5 Update WD of ISO/IEC 19566-9 Complete work on finalising codestream parser software and making it available Prepare text for JLINK and JPEG Snack for the JPEG website Check for completeness of markers and boxes list in Google Sheets Discuss availability of reference software for JLINK
Deliverables	<ul style="list-style-type: none"> Proposed draft of JPEG Systems White Paper Proposed draft Use Cases and Requirements for JUMBF Extensions Proposed draft specification for media type registration Proposed updates for WD of ISO/IEC 19566-9 Updated codestream parser software Text for website wrt to JLINK and JPEG Snack Updated Google Sheets for marker and boxes Report on availability of reference software for JLINK
Meetings	Online AHG meetings on the following dates: <ul style="list-style-type: none"> Thursday, 2022-03-10, 14:00 - 16:00 UTC, on JPEG Systems White Paper and JUMBF Extensions. TR 19566-9, text for website, reference software discussion for JLINK, google sheet update Thursday, 2022-04-14, 08:00 - 10:00 UTC, on JPEG Systems White Paper and JUMBF Extensions, TR 19566-9, codestream parser software Additional online meetings may be scheduled as required with at least a one week's notice.
How to join	Email reflector: jpeg-systems To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .