

**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 96th JPEG meeting

SOURCE: WG1 Convenor

PROJECT: All WG1 projects

STATUS: Final

REQUESTED ACTION: Information

DISTRIBUTION: Public

Contact:

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

Meetings by teleconference or Zoom will be scheduled with appropriate notice and in accordance with existing practices.

1. [Ad Hoc Group on JPEG Operations](#)
2. [Ad Hoc Group on Dissemination](#)
3. [Ad Hoc Group on JPEG Fake Media & NFT](#)
4. [Ad Hoc Group on Digital Media Storage using DNA](#)
5. [Ad Hoc Group on JPEG GMIS](#)
6. [Ad Hoc Group on Image Quality Assessment](#)
7. [Ad Hoc Group on JPEG Pleno Light Field](#)
8. [Ad Hoc Group on JPEG Pleno Holography](#)
9. [Ad Hoc Group on JPEG Pleno Point Cloud](#)
10. [Ad Hoc Group on JPEG 2000](#)
11. [Ad Hoc Group on JPEG XS](#)
12. [Ad Hoc Group on JPEG XL](#)
13. [Ad Hoc Group on JPEG XT and JPEG Reference Software](#)
14. [Ad Hoc Group on JPEG AI](#)
15. [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 on WG1 and SC29 websites ● Publish 5th JPEG NFT and Fake Media Workshop Proceedings and publish workshop video on YouTube ● Publish the JPEG Workshop on Subjective Quality Assessment Proceedings and publish workshop video on YouTube ● Publish the JPEG Pleno Workshop on Learning-Based Light Field Coding Proceedings and publish workshop video on YouTube ● Setup backup of subscribers for mailing list server ● Follow up upload status and notification of output documents ● Remove duplicated output documents in members upload area of 93rd and 94th meeting ● Update certificate for ds.jpeg.org ● Update JPEG Operating Manual <ul style="list-style-type: none"> ○ drafting guidelines for editors ○ location of specific documents like Core Experiments ○ include improved recommendation templates ○ other improvements/clarifications ● Discuss access management to WG1 accounts ● Follow up JPEG AI sponsorship program ● Check SC29 website and update if necessary and request access statistics

	<ul style="list-style-type: none"> Explore alternative website analytics tools
Deliverables	<ul style="list-style-type: none"> Updated JPEG Operating Manual
Meetings	<p>Online AHG meetings on the following dates:</p> <ul style="list-style-type: none"> Friday 2022-09-16, 12:00-13:00 UTC Tuesday 2022-10-11, 12:00-13:00 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-website</p> <p>To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org.</p>

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"> Update the JPEG Dissemination Slides Update the JPEG Overview Timeline
Deliverables	<ul style="list-style-type: none"> Updated JPEG Dissemination Slides Updated JPEG Overview Timeline
Meetings	Online AHG meetings as determined by the AHG with at least one week's notice.
How to join	<p>Email reflector: jpeg-dissemination</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 Fake Media & NFT
Chair	Frederik Temmermans (frederik.temmermans@vub.be)
Co-chair	Sabrina Caldwell (sabrina.caldwell@anu.edu.au)
Mandates/ Objectives	<ul style="list-style-type: none"> Disseminate and distribute the Final Call for Proposals on JPEG Fake Media Prepare the evaluation process for JPEG Fake Media Update the Use Cases and Requirements for JPEG NFT document and especially further improve the requirements section Prepare a Draft Call for Proposals for JPEG NFT document Identify and invite stakeholders from academia, industry, end-user communities
Deliverables	<ul style="list-style-type: none"> Proposed updates to "Use Cases and Requirements for JPEG NFT" Proposed Draft Call for Proposals for JPEG NFT

Meetings	<p>Online AHG meetings on the following dates:</p> <ul style="list-style-type: none"> • Tuesday 2022-08-23: 06:00-08:00 UTC • Tuesday 2022-09-20: 21:00-23:00 UTC • Thursday 2022-10-20: 13:00-15:00 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 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"> • Improve the “JPEG DNA Common Test Conditions v0.5” document • Improve the “JPEG DNA Benchmark Codec v0.6” document • Port the code of the anchors software in the JPEG Gitlab • Draft the exploration study according to the JPEG template • Carry out exploration study according to the CTC WG1N100282 and report the results • Propose a Draft Call for Proposals • Prepare an outreach video to explain DNA coding
Deliverables	<ul style="list-style-type: none"> • Proposed update to “JPEG DNA Common Test Conditions v0.5” document • Proposed update to “JPEG DNA Benchmark Codec v0.6” document • Software for the proposed anchors • Proposed exploration study according to the JPEG template and their results • Proposed Draft Call for Proposals • Plan to produce video explaining DNA coding
Meetings	Online AHG meetings as determined by the AHG with at least one week's notice.
How to join	<p>Email 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>

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"> • Collect additional sample sets of related images for the GMIS image dataset, in particular both compressed and uncompressed images. • Make GMIS image dataset publicly available

	<ul style="list-style-type: none"> Update Use Cases and Requirements for GMIS document, specifically regarding compressed data Update Common Test Conditions for GMIS Prepare draft Exploration Study 3 for GMIS Carry out tests for the use case on lossless re-compression of images
Deliverables	<ul style="list-style-type: none"> Publicly available GMIS test image dataset Proposed Use Cases and Requirements for GMIS document Proposed Common Test Conditions for GMIS Proposed Exploration Study 3 for GMIS Test results for lossless re-compression of image sets
Meetings	<p>Online AHG meetings on the following dates:</p> <ul style="list-style-type: none"> Tuesday 2022-09-06: 13:00-14:00 UTC Tuesday 2022-10-11: 13:00-14:00 UTC <p>Additional online meetings may be scheduled as required with at least one week's notice.</p>
How to join	<p>Email reflector: jpeg-gmis</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 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"> Create a JPEG AIC-3 dataset of images with compression distortions in the target quality range (notably in collaboration with JPEG AI). Prepare the Final Call for Contributions on Subjective Image Quality Assessment. Improve the “Use Cases and Requirements for Image Quality Assessment” document.
Deliverables	<ul style="list-style-type: none"> JPEG AIC-3 Dataset Proposed “Final Call for Contributions on Subjective Image Quality Assessment” Improved “Use Cases and Requirements for Image Quality Assessment 4.0” document
Meetings	<p>Online AHG meeting on the following date:</p> <ul style="list-style-type: none"> Wednesday 2022-08-24, 14.00-16.00 UTC (jointly with JPEG AI) <p>Additional online meetings will be scheduled in agreement as determined by the AHG with at least one week's notice.</p>
How to join	<p>E-mail reflector: jpeg-aic</p> <p>To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org.</p>

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"> Organize the 1st JPEG Pleno Light Field Subjective Quality Assessment online workshop Organize the 2nd JPEG Pleno Learning-based Light Field Coding online workshop Review the "JPEG Pleno Second Draft Call for Contributions on Subjective Light Field Quality Assessment" Review the "JPEG Pleno Use Cases and Requirements for Light Field Quality Assessment v4.1" Review the "JPEG Pleno Light Field Quality Assessment Common Test Conditions v0.1" Review the "Learning-based systems and applications for light field imaging v1.0" Review and validate the datasets, codestreams and associated decoded data for the JPEG Pleno Final Call for Contributions on Subjective Light Field Quality Assessment Produce DOCR on FDIS and study text for IS JPEG 2000 Part 17
Deliverables	<ul style="list-style-type: none"> 1st JPEG Pleno Light Field Subjective Quality Assessment online workshop and associated proceedings 2nd JPEG Pleno Learning-based Light Field Coding online workshop and associated proceedings Proposed text for "JPEG Pleno Final Call for Contributions on Subjective Light Field Quality Assessment" Updated "JPEG Pleno Use Cases and Requirements for Light Field Quality Assessment v4.1" Updated "JPEG Pleno Light Field Quality Assessment Common Test Conditions v0.1" Updated text for "Learning-based systems and applications for light field imaging v1.0" Validated datasets, codestreams and associated decoded data for the JPEG Pleno Final Call for Contributions on Subjective Light Field Quality Assessment Proposed text for DOCR on FDIS and study text for IS 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 4 as contained in WG1N100270 Update Common Test Conditions document and associated CTC software Maintain Verification Model Software Prepare CD

Deliverables	<ul style="list-style-type: none"> • Report on Core Experiment 4 • Proposed updates to Common Test Conditions document and associated CTC software • Updated Verification Model Software • Study text for CD
Meetings	<p>Online AHG meetings on the following dates:</p> <ul style="list-style-type: none"> • Thursday 2022-09-15 • Thursday 2022-09-29 • Wednesday 2022-10-19 (2hr) <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	Plenoptic Coding and Quality
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"> • Create Verification Model software • Conduct Core Experiment 1 • Revise and refine the Common Training and Test Conditions including, bit rates, test set, objective metrics and training sets • Create initial WD of JPEG Pleno Learning-based Point Cloud Coding
Deliverables	<ul style="list-style-type: none"> • Verification Model software • Report on outcomes of Core Experiment 1 • Initial WD of JPEG Pleno Learning-based Point Cloud Coding • Proposed updated JPEG Pleno Point Cloud Common Training and Test Conditions document
Meetings	Online meetings will be scheduled in agreement as determined by the AHG with at least one week's notice.
How to join	<p>Email reflector: jpeg-pointcloud</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

	<ul style="list-style-type: none"> Review and propose updates if needed to JPEG 2000-related slides in the JPEG dissemination slide deck Study potential white paper covering the JPEG 2000 suite of standards Perform Core Experiment 2 on ISO/IEC 15444-4 4th edition
Deliverables	<ul style="list-style-type: none"> HTJ2K GitLab repositories Slides covering JPEG 2000 for incorporation in the JPEG dissemination slide deck if needed Recommendation on a potential white paper covering the JPEG 2000 suite of standards Report on Core Experiment 2 on ISO/IEC 15444-4 4th edition
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 Core Experiment 2 as specified in WG1N00274 Prepare 21122-1 CD Prepare 21122-2 WD Proposed update for the JPEG XS White paper <ul style="list-style-type: none"> make sure it is up to date with 2nd edition add a reference to "JPEG XS In-depth series - raw image coding" Collect additional content for Core Experiment 2 with the following properties: <ul style="list-style-type: none"> 4:2:2 content with overlays (logos, banners, subtitles) high-frequency screen content (such as containing tables and text) any additional content considered useful for experiments
Deliverables	<ul style="list-style-type: none"> CD study text of 21122-1 WD study text of 21122-2 Results of Core Experiment 2 Additional content as described in the mandates Proposed updated text for JPEG XS White paper
Meetings	<p>Online AHG meetings on the following dates</p> <ul style="list-style-type: none"> Thursday 2022-08-18, 07:00-08:00 UTC Thursday 2022-09-01, 07:00-08:00 UTC Thursday 2022-09-15, 07:00-08:00 UTC Thursday 2022-09-29, 07:00-08:00 UTC Thursday 2022-10-13, 07:00-10:00 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-xs</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 XL
Chair	Jon Sneyers (jon@cloudinary.com)
Co-chair	Jyrki Alakuijala (jyrki@google.com)
Mandates/ Objectives	<ul style="list-style-type: none"> ● Maintenance of reference software 1.0 ● Continue updating the White Paper ● Prepare CD study text of ISO/IEC 18181-1 2nd edition ● Prepare WD2 study text of ISO/IEC 18181-2 2nd edition ● Finalize IANA registration of image/jxl ● Beta version of a simplified hardware-friendly JPEG XL encoder ● Prepare website updates ● Refined study of fixed-point implementation of 18181-1
Deliverables	<ul style="list-style-type: none"> ● Updated reference software 1.0 ● Proposed updated White Paper ● CD study text ISO/IEC 18181-1 2nd edition (in word format) ● WD2 study text of ISO/IEC 18181-2 2nd edition (in word format) ● IANA registration of image/jxl ● Beta version of libjxl-tiny as hardware-friendly JPEG XL encoder ● Updated website ● Report on the support for fixed-point bit allocation in 18181-1
Meetings	Online meetings may be scheduled as required with at least a one week's notice.
How to join	<p>Email reflector: jpeg-xl</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 XT and JPEG Reference software
Chair	Thomas Richter (thomas.richter@iis.fraunhofer.de)
Co-chair	Junichi Hara (waver.jp@outlook.com)
Mandates/ Objectives	<ul style="list-style-type: none"> ● Create study text for DIS 10918-7 3ED ● Create study text for DIS 18477-3 2ED
Deliverables	<ul style="list-style-type: none"> ● Study text of DIS 10918-7 3ED ● Study text of DIS 18477-3 2ED
Meetings	Online meetings may be scheduled as required with at least one week's notice.
How to join	<p>Email reflector: jpeg-reference</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
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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"> • Development of the JPEG AI verification model under consideration for the standard reconstruction task • Definition of a new JPEG AI test set which should include all the CfE and CfP hidden test images with at least 16 new images • Definition of an improved reporting template with support for more images and decoding time averaging • Creation of a large screen content dataset for training of learning based image coding solutions • Develop the Verification Model Software Guidelines • Creation of the infrastructure to host JPEG AI VM and VMuC, namely for the source and the checkpoints (models). • Definition of a JPEG AI verification model under consideration for the compressed domain image classification decoder. • Development of JPEG AI quantization algorithm for the parameters of the entropy decoder. • Manage and execute Core Experiment 1 as contained in WG1N100284
Deliverables	<ul style="list-style-type: none"> • JPEG AI Verification Model under Consideration (VMuC) • JPEG AI test set (still without the screen content) • Additional screen content images for JPEG AI training data • Infrastructure to host the JPEG AI VM and VMuC • Proposed JPEG AI VMuC for compressed domain image classification • Verification Model Software Guidelines • Reporting template • JPEG AI quantization algorithm of the entropy decoder weights. • Results of Core Experiment 1 on JPEG AI
Meetings	<p>Online AHG meetings on the following dates:</p> <ul style="list-style-type: none"> • Monday 2022-08-22, 13:00 – 15:30 UTC • Wednesday 2022-08-24, 14.00-16.00 UTC (jointly with JPEG AIC) • Thursday 2022-09-22, 15:00 – 17:30 UTC • Tuesday 2022-10-04, 15:00 – 17:30 UTC • Friday 2022-10-21, 15:00 – 19:00 UTC <p>Additional online meetings may be scheduled as required with at least one week's notice.</p>
How to join	<p>Email 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
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"> ● Finalise JPEG Systems White Paper ● Prepare WD of 10918-4 2ED ● Follow up IANA registration of JUMBF media type for usage as standalone file as part of 19566-5 ● Prepare WD of 19566-10 Reference Software ● Prepare dataset for JPEG Systems reference software for JUMBF, P&S, JLINK, and Snack
Deliverables	<ul style="list-style-type: none"> ● Proposed JPEG Systems White Paper ● Proposed draft WD of 10918-4 2ED ● Proposed draft WD of 19566-10 Reference Software
Meetings	<p>Online AHG meetings on the following dates:</p> <ul style="list-style-type: none"> ● Tuesday 2022-09-06, 12:00 - 13:00 UTC ● Tuesday 2022-10-04, 13:00 - 14:00 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-systems</p> <p>To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org.</p>