

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

Coding of Still Pictures

JBIG

JPEG

Joint Bi-level Image Experts Group Joint Photographic Experts Group

TITLE: List of AHGs established during the 100th JPEG meeting

SOURCE: WG1 Convenor

PROJECT: All WG1 projects

STATUS: Final

REQUESTED

ACTION: For information

DISTRIBUTION: Public

Contact:

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ISO/IEC JTC 1/SC29/WG1 N100541





During the 100th JPEG meeting, 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 Digital Media Storage using DNA
- 4. Ad Hoc Group on JPEG GMIS
- 5. Ad Hoc Group on Image Quality Assessment
- 6. Ad Hoc Group on JPEG XE
- 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
- 16. Ad Hoc Group on JPEG Trust

Subgroup	Communication
	Communication
Mailing list	Moderated
Name	Ad Hoc Group on JPEG Operations
Chair	Frederik Temmermans (<u>frederik.temmermans@vub.be</u>)
Co-chair	Tim Bruylants (tbr@intopix.com)
Mandates/ Objectives	 Maintain the JPEG website and update its contents. Publish the press release & calling notice on the JPEG website. Update the SC29 website with the 100th meeting press release. Update https://plenodb.jpeg.org/ page to list reference to JPEG Pleno Light Field QA dataset. Investigate document organizing guidelines for General documents to mitigate removal of the meeting tag. Follow up on upload status and notification of output documents. Backup and remove output documents from members upload area of 98th meeting. Update certificates for ds.jpeg.org and plenodb.jpeg.org before 2023-09-16. Update JPEG Operating Manual include improved recommendation templates include guidelines about software coordinators naming conventions how to draft standards using Metanorma management of Gitlab repositories Deploy updated JPEG Operating Manual on ISO Documents and fix broken links in PDF.





	 Update the content of JPEG AIC page on jpeg.org Publish Proceedings of JPEG Workshop on media authenticity in the age of artificial intelligence, on jpeg.org Disseminate JPEG 100th meeting celebration related materials on jpeg.org and social media.
Deliverables	Proposed updated JPEG Operating ManualUpdated JPEG website
Meetings	Online joint AHG meetings with Dissemination on the following dates: • Tuesday 2023-09-04, 12:00-13:30 UTC • Tuesday 2023-10-02, 12:00-13:30 UTC Additional online meetings may be scheduled as required with at least 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 (tbr@intopix.com)
Mandates/ Objectives	 Review the JPEG Dissemination Slides, notably the JPEG Trust related text. Update the JPEG Overview Timeline. Create a new text for JPEG Pleno Holography for jpeg.org. Verify the content of jpeg.org and propose updates if needed.
Deliverables	Proposed updated JPEG Overview Timeline.Proposed updates for jpeg.org.
Meetings	Online joint AHG meetings with Operations on the following dates: • Tuesday 2023-09-04, 12:00-13:30 UTC • Tuesday 2023-10-02, 12:00-13:30 UTC Additional online meetings may be scheduled as required 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 Digital Media Storage using DNA





Chair	Marc Antonini (am@i3s.unice.fr)
Co-chair	Touradj Ebrahimi (touradj.ebrahimi@epfl.ch)
Mandates/ Objectives	 Cross-checking of the pattern repetition software Cross-checking of the script compiling all the compliance verification software Preparation of assessment and cross-checking of proposals Assessment and cross-checking of proposals
Deliverables	 Report on cross-checking of the script compiling all the compliance verification software Report on assessment and cross-checking of proposals Results of the assessment of proposals
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 GMIS
Chair	Reji Mathew (reji@unsw.edu.au)
Co-chair	Oh-Jin Kwon (ojkwon@sejong.ac.kr)
Mandates/ Objectives	 Improve Use Cases and Requirements. Continue Exploration study extended to new image sets. Continue to develop contacts with industry.
Deliverables	 Proposed updates to Use Cases and refinement of Requirements. Results of exploration study on compression performance of image sets Evidence of utility of metadata for image sets with large displacements Report on outcomes of industry engagement
Meetings	Online AHG meetings on the following dates: • Tuesday 2023-08-01: 13:00-14:00 UTC • Tuesday 2023-09-05: 11:00-12:00 UTC • Tuesday 2023-10-03: 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	Image Coding and Quality
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Status	Public
Name	Ad Hoc Group on Image Quality Assessment
Chair	Michela Testolina (michela.testolina@epfl.ch)
Co-chair	Dietmar Saupe (dietmar.saupe@uni-konstanz.de)
Mandates/ Objectives	 Perform Core Experiment 2 on JPEG AIC as contained in document WG1N100576. Create the JPEG AIC-3 VM on GitLab. Develop suitable software for the preliminary vision test for the crowdsourced experiment. Define the scale and identify cost of the crowdsourced experiment Prepare WD2 of JPEG AIC-3. Planning of a core experiment for subjective assessment in a controlled environment. Compile a list of institutions to contact for Objective Image Quality Assessment (JPEG AIC-4).
Deliverables	 Report on Core Experiment 2 on JPEG-AIC, including the number of observers (scale of experiments) and the costs of the experiment. JPEG AIC-3 VM uploaded on GitLab, including the user interface for the vision test. Design parameters for a subjective lab-based experiment. WD2 of JPEG AIC-3. List of institutions to be contacted for dissemination of JPEG AIC-4.
Meetings	Online AHG meeting on the following date: • Monday 2023-08-07, 14:00-16:00 UTC Additional online meetings will be decided by Doodle poll with at least 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 .

Subgroup	Requirements
Status	Public
Name	Ad Hoc Group on JPEG XE (Event-based vision)
Chair	Tim Bruylants (tbr@intopix.com)
Co-chair	Walt Husak (wjh@dolby.com)
Mandates/ Objectives	 Refine scope and relevant definitions. Continue to collect use cases and associated requirements. Refine plan and timeline for potential standardization. Define first draft of Common Test Conditions and potential Exploration Experiments. Define the role of JPEG on this data modality. Disseminate the Use Cases and Requirements for JPEG XE v0.5 document as contained in WG1N100553. Plan and organize a workshop before the next JPEG meeting



Deliverables	 Proposed updates to Use Cases and Requirements document. Report with proposed plan for potential standardization. Draft of Common Test Conditions. Workshop presentations.
Meetings	 Online AHG meetings on the following dates: Thursday 2023-08-17, 15:00-16:00 UTC Thursday 2023-08-31, 15:00-16:00 UTC Thursday 2023-09-14, 15:00-16:00 UTC Thursday 2023-09-28, 15:00-16:00 UTC Thursday 2023-10-12, 15:00-16:00 UTC Thursday 2023-10-26, 15:00-16:00 UTC Additional online meetings may be scheduled as required with at least one week's notice.
How to join	E-mail reflector: jpeg-xe 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 Light Field
Chair	Carla Pagliari (<u>carla@ime.eb.br</u>)
Co-chair	Saeed Mahmoudpour (saeed.mahmoudpour@vub.be)
Mandates/ Objectives	 Plan and conduct the 1st JPEG Pleno Light Field Industry online workshop. Execute the Core Experiments - JPEG Pleno Light Field. Execute the Core Experiments - JPEG Pleno Quality Assessment. Validate the codestreams and decoded light fields from sftp repository for JPEG Pleno Quality Assessment. Produce the study text of WD of JPEG Pleno Quality Assessment. Update description and documentation related to light field coding and quality assessment on JPEG Pleno on JPEG website
Deliverables	 Report on the 1st JPEG Pleno Light Field Industry online workshop. Report on the Core Experiments - JPEG Pleno Light Field. Report on the Core Experiments - JPEG Pleno Quality Assessment. Validated codestreams and decoded light fields from sftp repository for JPEG Pleno Quality Assessment. Proposed study text of WD of JPEG Pleno Quality Assessment. Updated description and documentation related to light field coding and quality assessment on JPEG Pleno on JPEG website.
Meetings	 Online AHG meetings on the following dates: Thursday 2023-08-10, 10:00-11:30 UTC Thursday 2023-08-31, 10:00-11:30 UTC Thursday 2023-09-14, 10:00-11:30 UTC Thursday 2023-09-28, 10:00-11:30 UTC Thursday 2023-10-26, 10:00-12:30 UTC



	Additional online meetings will be decided by Doodle poll as determined by the AHG 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 .

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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 (<u>Peter.Schelkens@vub.be</u>)
Mandates/ Objectives	 Manage and execute Core Experiment 8. Manage and execute Exploration Study 19. Prepare DOCR on DIS ballot and FDIS document. Update Common Test Conditions document and associated CTC software. Maintain Verification Model Software. Investigate market evolution and potential future activity for JPEG Pleno Holography. Collect additional holographic test data. Update description of JPEG Pleno Part 5 on JPEG website
Deliverables	 Report on Core Experiment 8. Report on Exploration Study 19. Proposed text DOCR on DIS ballot and FDIS document. Proposed updates to Common Test Conditions document and associated CTC software. Updated Verification Model Software. Report on future activities for JPEG Pleno Holography. Additional holographic test data. Updated description of JPEG Pleno Part 5 on JPEG website
Meetings	Online AHG meetings on the following dates: • Thursday 2023-08-24, 13:00-14:00 UTC • Wednesday 2023-09-06, 13:00-14:00 UTC • Thursday 2023-09-21, 13:00-14:00 UTC • Tuesday 2023-10-10, 13:00-14:00 UTC • Tuesday 2023-10-24, 13:00-16:00 UTC Additional online meeting times will be decided by Doodle poll as determined by the AHG with at least one week's notice.
How to join	Email reflector: jpeg-holo 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 Point Cloud
Chair	Stuart Perry (stuart.perry@uts.edu.au)
Co-chair	Luis Cruz (lcruz@deec.uc.pt)
Mandates/ Objectives	 Conduct Core Experiment 5. Conduct Exploration Study 7. Review the Common Training and Test Conditions. Produce proposed study text of CD 21794-6. Maintain Verification Model Software. Investigate and scope issues of device interoperability in relation to JPEG Pleno Point Cloud. Update description of JPEG Pleno Part 6 on JPEG website
Deliverables	 Report on outcomes of Core Experiment 5. Report on outcomes of Exploration Study 7. Proposed updated JPEG Pleno Point Cloud Common Training and Test Conditions document. Proposed study text of CD 21794-6. Report on device interoperability issues in relation to JPEG Pleno Point Cloud Updated description of JPEG Pleno Part 6 on JPEG website
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	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	 Maintain HTJ2K GitLab repositories. Improve the "Controlling JPEG 2000 image quality using a single parameter (Qfactor)" document, including adding a worked example. Improve the "Placeholder Passes and Multiple HT Sets in HTJ2K codestreams" document, including adding specific use cases.
Deliverables	 HTJ2K GitLab repositories. Proposed update to "Controlling JPEG 2000 image quality using a single parameter (Qfactor)" document. Proposed update to "Guideline on Placeholder Passes and Multiple HT Sets in HTJ2K codestreams v1.1" document.
Meetings	Online interim meetings as determined by the AHG with at least one week's notice.
How to join	Email reflector: jpeg-htj2k To subscribe to the reflector, please visit http://listregistration.jpeg.org or in



case of problems contact <u>lists@jpeg.org</u> .
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Subgroup	Image Coding and Quality
Mailing list	Moderated
Name	Ad Hoc Group on JPEG XS
Chair	Tim Bruylants (tbr@intopix.com)
Co-chair	Thomas Richter (thomas.richter@iis.fraunhofer.de)
Mandates/ Objectives	 Perform Core Experiment 6 as contained in WG1N100562. Prepare DOCR on DIS ballot on 21122-1. Discuss and prepare proposed study text of FDIS 21122-1. Discuss and prepare conformance codestreams for 21122-4. Prepare WD1 of 21122-4 3rd Edition. Prepare in-depth paper on JPEG XS Profiling.
Deliverables	 Report on Core Experiment 6. Proposed DOCR of DIS ballot on 21122-1. Proposed study text of FDIS 21122-1. Proposed conformance codestreams for 21122-4. WD1 of 21122-4 3rd Edition. JPEG XS in-depth paper.
Meetings	Online AHG meetings on the following dates: • Thursday 2023-09-21, 07:00-08:00 UTC • Thursday 2023-10-05, 07:00-08:00 UTC • Thursday 2023-10-26, 07:00-10:00 UTC Additional online meetings may be scheduled as required with at least 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	Moritz Firsching (firsching@google.com)
Mandates/ Objectives	 Maintain reference software v1.0. Prepare WD2 of 18181-3 2nd edition. Perform Core Experiment 14 on 18181-3. Report defects to independent implementers. Prepare website updates.
Deliverables	Updated reference software v1.0.WD2 of 18181-3 2nd edition.



	Report of Core Experiment 14.Updated website.
Meetings	Online AHG meetings on the following dates
	• Thursday 2023-08-24, 09:00 UTC on hardware implementation.
	Additional online meetings may be scheduled as required with at least 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 XT and JPEG Reference software
Chair	Thomas Richter (thomas.richter@iis.fraunhofer.de)
Co-chair	Junichi Hara (waver.jp@outlook.com)
Mandates/ Objectives	 Check for updates of the reference software implementations. Propose DOCR for DIS ballot on 18477-1 3rd edition. Propose study text of IS 18477-1 3rd edition.
Deliverables	 New reference software if available. Proposed DOCR for DIS ballot on 18477-1 3rd edition. Proposed study text of IS 18477-1 3rd edition.
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	Coding and Performance for Machines
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	 Manage and execute Core Experiment 5 as contained in WG1N100599. Creation of JPEG AI Verification Model 4 with the integration of the adopted tools and defect fixes. Performance evaluation of the JPEG AI Verification Model 4. Maintain the JPEG AI Verification Model software. Propose study text of DIS 6048. Preparation of JPEG AI DIS subjective assessment evaluation
Deliverables	 Results of Core Experiment 5 on JPEG AI. JPEG AI Verification Model 4 software.



	 JPEG AI Verification Model 4 performance evaluation. Proposed study text of DIS 6048. Draft of JPEG AI DIS subjective assessment evaluation
Meetings	Online AHG meetings on the following dates: • Tuesday 2023-08-22, 13:00-16:00 UTC • Monday 2023-09-18, 13:00-16:00 UTC • Tuesday 2023-10-10, 13:00-16:00 UTC • Wednesday 2023-10-25, 13:00-17:00 UTC • Thursday 2023-10-26, 13:00-17:00 UTC • Friday 2023-10-27, 13:00-17:00 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	Systems and Integration
Mailing list	Public
Name	Ad Hoc Group on JPEG Systems
Chair	Jaime Delgado (jaime.delgado@upc.edu)
Co-chair	Frederik Temmermans (<u>frederik.temmermans@vub.be</u>)
Mandates/ Objectives	 Follow up IANA registration of JUMBF media type for usage as standalone file as part of 19566-5. Review proposed annexes of 19566-10. Prepare reference datasets for P&S, 360, JLINK, and Snack. Restructure JPEG Systems Gitlab per updated 19566-10.
Deliverables	 Report on proposed annexes of 19566-10. Restructured JPEG Systems Gitlab. Proposed updates to JPEG Systems Reference Software.
Meetings	Online AHG meetings on the following dates: • Tuesday 2023-09-05, 13:00 - 14:30 UTC Additional online meetings may be scheduled as required with at least 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 .

Subgroup	Systems and Integration	
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Mailing list	Public	
Name	Ad Hoc Group on JPEG Trust	
Chair	Frederik Temmermans (<u>frederik.temmermans@vub.be</u>)	
Co-chair	Sabrina Caldwell (sabrina.caldwell@anu.edu.au)	
Mandates/ Objectives	 Continue drafting specifications of JPEG Trust Part 1: Core Foundation Explore advantages to a new type of claim for the trust declaration to support a single hash instead of multiple. Produce proposed use cases & requirements for JPEG Trust. Identify and invite stakeholders from academia, industry and end-user communities. 	
Deliverables	 Proposed CD of ISO/IEC 21617-1. Proposed use cases & requirements for JPEG Trust. 	
Meetings	Online AHG meetings on the following dates: • Tuesday 2023-07-25, 13:00-15:00 UTC • Tuesday 2023-08-08, 13:00-15:00 UTC Additional online meetings will be scheduled as required with at least one week's notice.	
How to join	Email reflector: jpeg-fake-media To subscribe to the reflector, please visit http://listregistration.jpeg.org or in case of problems contact lists@jpeg.org .	