

**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 87th JPEG meeting,
2020-04-25 to 2020-04-30, Online

SOURCE: WG1 Convenor

PROJECT: All WG1 projects

STATUS: Final

**REQUESTED
ACTION:** Information

DISTRIBUTION: Public

Contact:

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1. [Ad Hoc Group on JPEG XS](#)
2. [Ad Hoc Group on JPEG Website, Branding, Sponsorships & Celebration](#)
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 High Throughput JPEG 2000 \(HTJ2K\)](#)
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15. [Ad Hoc Group on Digital Media Storage using DNA](#)

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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 WG1N87026 • Prepare CD Study text for ISO/IEC 21122-1 AMD1 • Prepare CD Study text for ISO/IEC 21122-2 AMD1 • Prepare CD Study text for ISO/IEC 21122-3 2nd edition • Update “JPEG XS use cases and requirements” document with details on sensor compression uses cases • Prepare an extended White Paper containing more technical details than the current White Paper • Prepare a first draft of a second White Paper describing new Bayer coding tools • Prepare a draft for JPEG XS Roadmap <ul style="list-style-type: none"> • positioning in standardization landscape, • future extensions • support of JPEG XS by other standards • Follow-up MP4RA 4CC registration |
| Deliverables | <ul style="list-style-type: none"> • Results of Core Experiments on AMD1 of ISO/IEC 21122-1 and ISO/IEC 21122-2 • CD Study text for ISO/IEC 21122-1 AMD1 • CD Study text for ISO/IEC 21122-2 AMD1 • CD Study text for ISO/IEC 21122-3 2nd edition • Updated use cases and requirements document • Draft extended White Paper • Draft White Paper on sensor compression • Draft JPEG XS roadmap |

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| Meetings | <ul style="list-style-type: none"> • 2020-05-14, 9am-10am CEST • 2020-05-28, 9am-10am CEST • 2020-06-11, 9am-10am CEST • 2020-06-23, 7am-8am CEST • 2020-06-25, 9am-10am CEST • 2020-07-06, 9am-1pm CEST • Additional online meetings may be scheduled as required |
| 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> |

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| Subgroup | Communication |
| Status | Moderated |
| Name | Ad Hoc Group on JPEG Website, 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 JPEG 2000 celebration • Publish the press release & calling notice • Remove the maximum number of recipients for all mailing lists • Setup form for more transparent and secure mailing list registration • Publish call for feedback on media blockchain use cases and requirements • Work on an overview document on JPEG standards |
| Deliverables | <ul style="list-style-type: none"> • First draft of an overview document on JPEG standards |
| Meetings | Online meetings may be scheduled as required and announced via the mailing list |
| How to join | <p>E-mail reflector: jpeg-website@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-website-list.jpeg.org or in case of problems contact lists@jpeg.org</p> |

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| 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 study 7 for JPEG Pleno light field coding defined in WG1N87057 • Run core experiment 3 for ISO/IEC 15444-17 defined in WG1N87052 • Maintain JPEG Pleno reference software • Prepare CDAM study text for ISO/IEC 21794-2 AMD 1 • Prepare CD study text for ISO/IEC 15444-17 |
| Deliverables | <ul style="list-style-type: none"> • Report on exploration study 7 for JPEG Pleno light field coding • Report on core experiment 3 for ISO/IEC 15444-17 • CDAM study text for ISO/IEC 21794-2 AMD 1 |

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| | <ul style="list-style-type: none"> CD study text for ISO/IEC 15444-17 |
| Meetings | <ul style="list-style-type: none"> Online meetings to be scheduled and announced through the mailing list |
| How to join | <p>E-mail reflector: jpeg-lightfield@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-lightfield-list.jpeg.org or in case of problems contact lists@jpeg.org</p> |

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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@deec.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 #3 Further solicit input from experts on scalability and random-access support with existing point cloud codecs Produce a proposed text for the Final Call for Evidence on Point Cloud Coding Promote Second Call for Evidence on Point Cloud Coding |
| Deliverables | <ul style="list-style-type: none"> Results of Exploration Study #3 Updated Common Test Conditions document Proposed text for Final Call for Evidence on Point Cloud Coding Updated Requirements versus Solutions document |
| Meetings | <ul style="list-style-type: none"> An online meeting will be scheduled for 2020-05-18 Other online interim meetings as determined by the AhG with at least one week's notice |
| 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> |

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| 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"> Update use cases and requirement document on JPEG Pleno Holography Update common test conditions (CTC) on JPEG Pleno Holography Update draft call for proposals (CfP) on JPEG Pleno Holography Update numerical reconstruction software for holography (NRSH) Manage and execute Exploration Studies 8 as contained in WG1N87030 Collect new test data for holographic microscopy/tomography |

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| Deliverables | <ul style="list-style-type: none"> Updated use cases and requirements document Updated common test conditions (CTC) document Draft call for proposal (CfP) document Report on Exploration Studies 8 Updated numerical reconstruction software for holography (NRSH) New holographic microscopy/tomography data |
| Meetings | <ul style="list-style-type: none"> Online interim meetings as determined by the AhG with at least one week's notice |
| How to join | <p>E-mail reflector: jpeg-holo@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-holo-list.jpeg.org or in case of problems contact lists@jpeg.org</p> |

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| 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"> Submit to the MP4RA registration requests for code-points defined in ISO/IEC 15444-16 2ED Submit to IANA provisional registration request for the image/j2is media type defined in ISO/IEC 15444-16 2ED Maintain HTJ2K GitLab repositories Prepare candidate DIS text of ISO/IEC 15444-2 2ED Prepare DoCR for CD ballot of ISO/IEC 15444-2 2ED |
| Deliverables | <ul style="list-style-type: none"> Candidate DIS text of ISO/IEC 15444-2 2ED DoCR for CD ballot of ISO/IEC 15444-2 2ED |
| Meetings | <ul style="list-style-type: none"> Online interim meetings as determined by the AhG with at least one week's notice |
| How to join | <p>E-mail reflector: jpeg-htj2k@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-htj2k-list.jpeg.org or in case of problems contact lists@jpeg.org</p> |

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| 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"> Draft more detailed technical introduction to JPEG XL (Turquoise paper) Continue development of reference software Perform core experiments 6 and exploration studies 6 IANA registration of file format (image/jxl) Register missing JPEG XL boxes with mp4ra.org |
| Deliverables | <ul style="list-style-type: none"> Proposed text for JPEG XL technical introduction (Turquoise paper) |

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| | <ul style="list-style-type: none"> Updated reference software Results of core experiments 6 and exploration studies 6 |
| Meetings | <ul style="list-style-type: none"> Online interim meetings as determined by the AhG with at least one week's notice |
| 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> |

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| Subgroup | Communication |
| 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"> Refine and further constrain repository naming to avoid chaotic list of repos within GitLab Follow-up with ISO/IEC and ITU to get copyright and licensing guidelines for software Elaborate software guidelines on requirements in terms of platform compliance, C++ version to be used, etc. Discuss how to support old libraries and platform for reference softwares Add more GDoc templates: input document, liaison, White Paper Update of existing GDocs templates, e.g. fix headers Devise a strategy on the JPEG GSuite account usage |
| Deliverables | <ul style="list-style-type: none"> Updated version of the Proposed recommended practices for software development and maintenance Updated version of the Report on the exploration of collaborative document editing tools Updated GDocs templates |
| Meetings | <ul style="list-style-type: none"> Online interim meetings as determined by the AhG with at least one week's notice |
| 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> |

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| 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"> Expand and refine the requirements Work out usage examples that can be addressed within existing JPEG standards Advertise call for feedback of the use cases and requirements document Engage with community to get more people involved in the media blockchain activities |

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| Deliverables | <ul style="list-style-type: none"> Updated use cases and requirements document with decomposed requirements List of usage examples that can be addressed within existing JPEG standards |
| Meetings | <ul style="list-style-type: none"> AhG online meeting on 3PM-4PM (CEST) 2020-06-02 to review updated use cases and requirements, and other items as agreed AhG online meeting on 3PM-4PM (CEST) 2020-06-29 to review updated use cases and requirements, and other items as agreed Other online interim meetings as determined by the AhG with at least one week's notice |
| 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> |

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| Subgroup | Requirements |
| Status | Public |
| Name | Ad Hoc Group on Learning-based Image Coding |
| Chair | João Ascenso (joao.ascenso@lx.it.pt) |
| Co-chair | Evgeniy Upenik (evgeniy.upenik@epfl.ch) |
| Mandates/Objectives | <ul style="list-style-type: none"> Definition of naming conventions for decoder and bitstream file submission. Creation of reporting guidelines for proposal submissions, namely: <ul style="list-style-type: none"> Maximum amount of memory and GPU platform required Target and real bitrates for all test images MSE results for cross-check verification Separate submissions of source code decoder, model bitstreams and decoded images. Creation of the virtualization package (Docker file) for proposal submission Creation of the test dataset as well as the appropriate anchors to be used in the call for evidence CfE/Challenge. Creation of the necessary tools (scripts) to compute all quality metrics considered for the CfE/Challenge evaluation Decoding of submitted proponents bitstreams with the corresponding decoders and cross-check the obtained decoded images Creation of the necessary tools to perform subjective testing of the proponents decoded and anchor images with an appropriate subjective assessment methodology. Creation of a public accessible web page 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"> Naming conventions for the submission of decoded test images and bitstreams Experimental results reporting sheet template Virtualization package to be used in the proposal submission Test dataset to be used in the CfE/Challenge Anchor results for the test images Possibly, RD performance results using the considered objective metrics |

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| | for all proponents' submissions <ul style="list-style-type: none"> Complexity report of the proponent's submissions |
| Meetings | Online meetings will be scheduled as required. |
| How to join | E-mail reflector: jpeg-ai@jpeglists.org To subscribe to the reflector, please visit http://jpeg-ai-list.jpeg.org or in case of problems contact lists@jpeg.org |

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| Subgroup | Systems & Integration |
| Status | Public |
| Name | Ad Hoc Group on JPEG Systems |
| Chair | Andy Kuzma (andy.kuzma@intel.com) |
| Co-chair | Frederik Temmermans (ftemmerk@etrovub.be) |
| Mandates/ Objectives | <ul style="list-style-type: none"> Confirm IS issued for JPSearch Update JPEG Snack use cases and requirements Prepare JLINK CD text for 88th meeting review Incorporate White Paper comments for review at 88th meeting Populate 4-5-6 Gitlab |
| Deliverables | <ul style="list-style-type: none"> Updated JPEG Snack use cases and requirements JLINK CD text for 88th meeting JPEG Systems final White Paper for the 88th meeting JPEG Systems 4-5-6 Gitlab revised proposal using submodules |
| Meetings | <ul style="list-style-type: none"> AhG online meeting at 3PM-5PM (CEST) 2020-05-14 on JLINK AhG online meeting at 3PM-5PM (CEST) 2020-05-28 on JLINK AhG online meeting on 3PM-4PM (CEST) 2020-06-25 JPEG Snack, JPEG Systems White Paper, and review progress towards goals, set agenda for the 88th JPEG meeting (virtual) AhG online meeting one day before the 88th JPEG virtual meeting (2020-07-06), unless cancelled by consensus Other online interim meetings as determined by the AhG with at least one week's notice |
| How to join | E-mail reflector: jpeg-systems@jpeglists.org To subscribe to the reflector, please visit http://jpeg-systems-list.jpeg.org or in case of problems contact lists@jpeg.org |

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| 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 DOCR of CD ballot on 10918-7 2nd edition Prepare DIS study text for 10918-7 2nd edition Update reference software as necessary |
| Deliverables | <ul style="list-style-type: none"> DOCR of CD ballot on 10918-7 2nd edition |

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| | <ul style="list-style-type: none"> Study text of DIS of 2nd edition of ISO/IEC 10918-7 |
| Meetings | <ul style="list-style-type: none"> Online meetings will be scheduled as required |
| How to join | <p>E-mail reflector: jpeg-reference@jpeglists.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> |

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| 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"> Review current WG1 meeting structures considering COVID-19 Review ISO/IEC and ITU meeting guidelines concerning online meetings Survey relevant external SDOs that meet regularly via telecon Identify potential procedures or structures that may be applicable to WG1 Generate a report on meeting practices including external SDOs |
| Deliverables | <ul style="list-style-type: none"> Report on potential meeting practices |
| Meetings | <ul style="list-style-type: none"> Online meeting on 2020-07-06 Additional online meetings will be scheduled |
| How to join | <p>E-mail reflector: jpeg-meetings@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-meetings-list.jpeg.org or in case of problems contact lists@jpeg.org.</p> |

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| Subgroup | Communications |
| Status | Public |
| Name | Ad Hoc Group on making WG1 standards available free-of-charge |
| Chair | Pierre-Anthony Lemieux (pal@sandflow.com) |
| Co-chair | |
| Mandates/ Objectives | <ul style="list-style-type: none"> Document the Publicly Available Standards (PAS) process as implemented by JTC 1, including the criteria for PAS Define detailed criteria under which WG1 can request specifications available as PAS Recommend approach to making standards managed by WG1 available free of charge, including through the PAS process |
| Deliverables | <ul style="list-style-type: none"> Report on Publicly Available Standards (PAS) and proposal for a consistent approach to make WG1 standards become available through PAS |
| Meetings | <ul style="list-style-type: none"> Online interim meetings as determined by the AhG with at least one week's notice |
| How to join | <p>E-mail reflector: jpeg-standards@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-standards-list.jpeg.org or in case of problems contact lists@jpeg.org.</p> |

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| 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"> • Analyze state-of-the-art in DNA digital storage and identify challenges especially relevant for JPEG scope • Identify use cases and requirements focused on digital media applications • Identify potential areas where JPEG can contribute with best practices and standards • Identify and engage with stakeholders (e.g. DNA Data Storage Alliance) • Issue recommendations for next steps |
| Deliverables | <ul style="list-style-type: none"> • Report on state-of-the-art in DNA digital storage and challenges • Use case and requirements for digital media storage using DNA |
| Meetings | <ul style="list-style-type: none"> • Online AHG meetings as determined by the AhG with at least one week's notice |
| How to join | <p>E-mail reflector: jpeg-dna@jpeglists.org</p> <p>To subscribe to the reflector, please visit http://jpeg-dna-list.jpeg.org or in case of problems contact lists@jpeg.org.</p> |