

**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 77th JPEG meeting in Macau, China

SOURCE: WG1 Convenor

PROJECT: All WG1 projects

STATUS: Final

REQUESTED ACTION: For information

DISTRIBUTION: Public

Contact:

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Subgroup	Coding & Analysis
Status	Moderated
Name	Ad Hoc Group on JPEG XS
Chair	Antonin Descampe (a.descampe@intopix.com)
Co-chair	Joachim Keinert (joachim.keinert@iis.fraunhofer.de)

<p>Mandates/ Objectives</p>	<ul style="list-style-type: none"> ● JPEG XS Part-1 CD <ul style="list-style-type: none"> ○ Finalize edition of ISO/IEC 21122-1 (JPEG XS Part-1) CD, contained in WG1N77026 ○ Upload and submit for ballot at the end of editing period. ● XSM Test Model <ul style="list-style-type: none"> ○ Provide the source for an implementation of the look-ahead feature ○ Merge branches to obtain source code for all configurations under consideration within Core Experiments #5 (as described in WG1N77021) ● Core Experiments CE#5; <ul style="list-style-type: none"> ○ Finalize Core Experiments CE#5 description details, as described in WG1N77021; ○ Coordinate the Core Experiments CE#5. ○ Identify participating labs (including a coordinating one that will gather all results) ● Discuss the buffer model and provide as input for JPEG XS Part-2 ● Ask industries for profile definitions, to be provided as input for JPEG XS Part-2 ● Collect raw-Bayer images and investigate evaluation methodologies ● Investigation of JPEG XS suitability for automotive market: contact industrial actors from the sector, evaluate interest, and gather uses cases
<p>Deliverables</p>	<ul style="list-style-type: none"> ● Results of the Core Experiments CE5 (Subjective assessment), as described in WG1N77021; ● Input document for buffer model ● Input document on Automotive applications ● List of raw-Bayer images
<p>Meetings</p>	<ul style="list-style-type: none"> ● Online meeting (will be announced following the procedure described in WG1 AHGs rules); ● AhG meeting on January 28th, 2018, to be held in Rio de Janeiro (BR).
<p>How to join</p>	<p>E-mail reflector: jpeg-xs@listserv.uni-stuttgart.de</p> <p>In order to subscribe to the mailing list, you simply have to send an (empty) email to jpeg-xs-join@listserv.uni-stuttgart.de and follow the steps of the e-mail being received.</p>

<p>Subgroup</p>	<p>Communication</p>
<p>Status</p>	<p>Moderated</p>
<p>Name</p>	<p>Ad Hoc Group on JPEG Website and LiveLink</p>

Chair	Frederik Temmermans (femmerm@etrovub.be)
Co-chair	Antonio Pinheiro (pinheiro@ubi.pt)
Mandates/ Objectives	<ul style="list-style-type: none"> • Contact ISO LiveLink support to initiate transfer of old document registry and historical archive to LiveLink; • Transition of the JPEG mailing lists • Maintain and update JPEG website.
Deliverables	
Meetings	None
How to join	<p>E-mail reflector: jpeg-livelink@listserv.uni-stuttgart.de</p> <p>In order to subscribe to the mailing list, you simply have to send an (empty) email to jpeg-livelink-join@listserv.uni-stuttgart.de and follow the steps of the e-mail being received. And also send to thomas.richter@alumni.tu-berlin.de.</p>

Subgroup	Coding & Analysis
Status	Public
Name	Ad Hoc Group on JPEG Pleno - Light Field
Chair	Peter Schelkens (Peter.Schelkens@vub.ac.be)
Co-chair	Zahir Alpaslan (zahir@ostendo.com)
Mandates/ Objectives	<ul style="list-style-type: none"> • Run core experiments defined during the 77th JPEG meeting: see document: WG1N77016 • Cross check results for above experiments • Design interface for the software modules for the next set of core experiments • Prepare content of JPEG Pleno light field section on JPEG website.
Deliverables	<ul style="list-style-type: none"> • JPEG Pleno Core Experiment 2 Report • Content for JPEG website
Meetings	<ul style="list-style-type: none"> • Regular teleconference meeting(s) will be held when appropriate and after consultation of the JPEG Pleno AHG members and eventual additional test labs. • AHG Meeting on 2018-01-28 in Rio de Janeiro, Brazil
How to join	<p>E-mail reflector: jpeg-pleno@listserv.uni-stuttgart.de</p> <p>In order to subscribe to the mailing list, please follow the link: https://listserv.uni-stuttgart.de/mailman/listinfo/jpeg-pleno and follow the steps of the e-mail being received.</p>

Subgroup	Test & Quality
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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"> • Identify objective and subjective quality assessment procedures for holographic content; • Identify CGH and numerical reconstruction software; • Investigate holographic data representations; • Probe for additional test data; • Attract additional interest from industry and academia; • Prepare content of JPEG Pleno holography section on JPEG website.
Deliverables	<ul style="list-style-type: none"> • Report on quality assessment procedures, CGH and reconstruction software, holographic data representations, additional test data • Content for JPEG website
Meetings	<ul style="list-style-type: none"> • Teleconference meeting(s) will be scheduled after consultation of the members of the JPEG AHG on Holography.
How to join	<p>E-mail reflector: jpeg-holo@listserv.uni-stuttgart.de</p> <p>In order to subscribe to the mailing list, please follow the link: https://listserv.uni-stuttgart.de/mailman/listinfo/jpeg-holo and follow the steps of the e-mail being received.</p>

Subgroup	Test & Quality
Status	Moderated
Name	Ad Hoc Group on JPEG Pleno - Point Clouds
Chair	Antonio Pinheiro (pinheiro@ubi.pt)
Co-chair	Stuart Perry (stuart.perry@uts.edu.au)
Mandates/ Objectives	<ul style="list-style-type: none"> • To prepare an input document with a review of the current Point cloud technology; • To do further studies on Point Clouds database and appropriate selection of testing content; • To proceed with further studies on quality evaluation models, namely subjective assessment and objective models; • To attract additional interest from industry and academia; • To prepare content for JPEG Pleno point clouds section on JPEG website.
Deliverables	<ul style="list-style-type: none"> • Document to provide an overview of the current Point Cloud state of the art and JPEG developments. • Re-definition of a testing Point Cloud data subset. • Content for JPEG website

	<ul style="list-style-type: none"> • Working Document on Point Cloud Quality Evaluation: <ul style="list-style-type: none"> • Protocols • Database content
Meetings	<ul style="list-style-type: none"> • Online meeting will be announced following the procedure described in WG1 AHG rules. • Face to face meeting on 27th January, Rio de Janeiro, Brazil.
How to join	E-mail reflector: jpeg-pointcloud@listserv.uni-stuttgart.de In order to subscribe to the mailing list, you simply have to send an (empty) email to jpeg-pointcloud-join@listserv.uni-stuttgart.de and follow the steps of the e-mail being received.

Subgroup	Requirements
Status	Moderated
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"> • Finalize ISO/IEC 15444-1:2016 PDAM1 text; • Review proposed modifications to the Test Bench, if any.
Deliverables	<ul style="list-style-type: none"> • ISO/IEC 15444-1:2016 PDAM1 text (no later than 11 November 2017); • Updated Test Bench, if needed.
Meetings	<ul style="list-style-type: none"> • Online meetings, as required (will be announced following the procedure described in WG1 AHGs rules).
How to join	E-mail reflector: jpeg-htj2k@listserv.uni-stuttgart.de In order to subscribe to the mailing list, please follow the link: https://listserv.uni-stuttgart.de/mailman/listinfo/jpeg-htj2k and follow the steps of the e-mail being received

Subgroup	Requirements
Status	Public
Name	Ad Hoc Group on 360 Metadata
Chair	Andy Kuzma (andy.kuzma@intel.com)

Co-chairs	Junichi Hara (wave@nts.ricoh.co.jp)
Mandates/ Objectives	<ul style="list-style-type: none"> • Refine the evaluation process; • Prepare the Final Call for Proposal for JPEG 360 Metadata; • Disseminate Draft CfP for industry awareness and feedback; • Prepare the JPEG 360 content for JPEG website by November 17, 2017; • Refine use cases and requirements for JPEG 360 contained in WG1N77013 to be ready for public release; • Review JPEG Universal Metadata Box Format (JUMBF) for use by JPEG 360 metadata.
Deliverables	<ul style="list-style-type: none"> • Final CfP on JPEG 360 metadata; • Final use cases document ready for public release; • By 2017-12-20 determine if meeting on Saturday or Sunday prior to JPEG 78th Meeting is needed.
Meetings	<ul style="list-style-type: none"> • Online meetings (will be announced following the procedure described in WG1 AHGs rules)
How to join	<p>E-mail reflector jpeg-360@listserv.uni-stuttgart.de</p> <p>In order to subscribe to the mailing list, please follow the link: https://listserv.unistuttgart.de/mailman/listinfo/jpeg-360 and follow the steps described within the response e-mail.</p>

Subgroup	Requirements
Status	Public
Name	Ad Hoc Group on Next Generation Image Coding Standard
Chair	Jan De Cock (jdecock@netflix.com)
Co-chair	Seungcheol Choi (choisc@sju.ac.kr)
Mandates/ Objectives	<ul style="list-style-type: none"> • Finalize use cases and requirements based on input from interested parties; • Finalize objective assessment methodology and scripts; • Dry run objective quality assessment; • Prepare subjective assessment methodology; • Collect further test material; • Propose a draft for the Final Call for Proposals.
Deliverables	<ul style="list-style-type: none"> • Proposed draft Final Call for Proposals; • Report on objective quality assessment dry run.
Meetings	<ul style="list-style-type: none"> • Teleconference meeting(s) will be scheduled when appropriate and after consultation of the members of the AHG; • AHG meeting on 2018-01-28 in Rio de Janeiro, Brazil.

How to join	E-mail reflector: jpeg-xl@listes.epfl.ch In order to subscribe to the mailing list send an e-mail (its content is unimportant) to the address: jpeg-xl-subscribe@listes.epfl.ch . You will receive information to confirm your subscription, and upon the acceptance of the moderator will be included in the mailing-list
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Subgroup	Test & Quality
Status	Moderated
Name	Ad Hoc Group on JPEG XT
Chair	Thomas Richter (thomas.richter@iis.fraunhofer.de)
Co-chair	
Mandates/ Objectives	<ul style="list-style-type: none"> • Explore the possibilities to provide a reference software for 18477-2 • Handle COR1 on 18477-1 and COR1 18477-8
Deliverables	<ul style="list-style-type: none"> • Updated list of reference software implementations • Report of the exploration for a DAMD of 18477-5 • DCORs on COR1 of 18477-1 and 18477-8
Meetings	<ul style="list-style-type: none"> • Online meeting (will be announced following the procedure described in WG1 AHGs rules)
How to join	E-mail reflector: jpeg-extensions@listserv.uni-stuttgart.de In order to subscribe to the mailing list, send an (empty) email to jpeg-extensions-join@listserv.uni-stuttgart.de and follow the steps of the e-mail being received. Also send an email to thomas.richter@alumni.tu-berlin.de .

Subgroup	Systems
Status	Moderated
Name	Ad Hoc Group on JPEG Privacy & Security, Metadata
Chair	Frederik Temmermans (ftemmerm@etrovub.be)
Co-chair	Ambarish Natu (ambarish.natu@gmail.com) Andy Kuzma (andy.kuzma@intel.com)
Mandates/ Objectives	<ul style="list-style-type: none"> • Prepare for an open meeting with stakeholders and proponents; • Create a short presentation by consolidating proposals for an online meeting with the stakeholders; • Contact stakeholders (including Photoconsortium, PLUS Coalition, IPTC, Univ. of California, NICC, Univ. of Exeter); • Invite the stakeholders to the open online meeting; • Revise ISO/IEC 24800-6 PDAM1; • Continue work on WD1.0 of ISO/IEC 19566-5.

Deliverables	<ul style="list-style-type: none"> • Updated Working Draft for ISO/IEC 19566-4; • Proposed text for ISO/IEC 24800-6 DAM1; • Updated WD1.0 of ISO/IEC 19566-5.
Meetings	<ul style="list-style-type: none"> • An online open meeting for collecting comments from stakeholders; • An online meeting for updating WDs • Additional online meeting(s) could be announced following the procedure described in WG1 AHGs rules.
How to join	<p>E-mail reflector: jpeg-privacy@listserv.uni-stuttgart.de</p> <p>In order to subscribe to the mailing list, send an (empty) email to jpeg-privacy-join@listserv.uni-stuttgart.de and follow the steps of the e-mail being received. Also send an email to richter@rus.uni-stuttgart.de.</p>

Subgroup	Requirements
Status	Moderated
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"> • Review received reference software • Communicate with proponents of reference software implementations, including requests for updates • Test reference software propositions for conformance using 10918-2 • Report software defects to 10918-2 • Compile a WD of 10918-7
Deliverables	<ul style="list-style-type: none"> • Updated reference software implementations • WD of 10918-7
Meetings	<ul style="list-style-type: none"> • Online meeting will be announced following the procedure described in WG1 AHG rules.
How to join	<p>E-mail reflector: jpeg-reference@listserv.uni-stuttgart.de</p> <p>In order to subscribe to the mailing list, send an (empty) email to jpeg-reference-join@listserv.uni-stuttgart.de and follow the steps of the e-mail being received. Also send an email to thomas.richter@alumni.tu-berlin.de.</p>

Subgroup	Communication
Status	Moderated
Name	Ad Hoc Group - 25th anniversary of the first JPEG standard

Chair	Fumitaka Ono (ono@image.t-kougei.ac.jp)
Co-chair	Antonio Pinheiro (pinheiro@ubi.pt)
Mandates/ Objectives	<ul style="list-style-type: none"> • Plan logistics, for the 25th anniversary event(s) taking place during the 79th WG1 meeting in La Jolla • Plan and propose external communications activities with respect to this event. • Seek and organize sponsorship and other related matters
Deliverables	<ul style="list-style-type: none"> • 25th anniversary event during 79th JPEG meeting in La Jolla
Meetings	<ul style="list-style-type: none"> • Online meeting will be announced following the procedure described in WG1 AHG rules
How to join	<p>E-mail reflector: jpeg-25@listes.epfl.ch</p> <p>In order to subscribe to the mailing list send an e-mail (its content is unimportant) to the address: jpeg-25-subscribe@listes.epfl.ch. You will receive information to confirm your subscription, and upon the acceptance of the moderator will be included in the mailing-list</p>

Subgroup	Test & Quality
Status	Moderated
Name	Ad Hoc Group on AIC
Chair	Dale Stoltzka (d.stoltzka@samsung.com)
Co-chair	Peter Schelkens (Peter.Schelkens@etro.vub.ac.be)
Mandates/ Objectives	<ul style="list-style-type: none"> • Determine next steps for AIC to test new codecs under developments
Deliverables	<ul style="list-style-type: none"> • Issue a potential call, Ad Hoc to work out best path forward from either <ul style="list-style-type: none"> - a call for experiments for new AIC methodology in LF - a call for information to collect new codec evaluation requirements
Meetings	<ul style="list-style-type: none"> • Hold ad hoc calls, times to be arranged via the below reflector • Hold calls with ISO WebEx support
How to join	<p>E-mail reflector: jpeg-aic@listes.epfl.ch</p> <p>In order to subscribe to the mailing list send an e-mail (its content is unimportant) to the address: jpeg-aic-subscribe@listes.epfl.ch. You will receive information to confirm your subscription, and upon the acceptance of the moderator will be included in the mailing-list</p>

Subgroup	Requirements
Status	Public
Name	Ad Hoc Group on Colour Type Indications for JPEG XR
Chair	Gary Sullivan (garysull@microsoft.com)
Co-chair	
Mandates/ Objectives	<ul style="list-style-type: none"> • Study methods of indicating the intended colour interpretation for JPEG XR decoded image data; • Identify candidate additional colour type indications that are available for inclusion in colour type code signalling and are not currently supported; • Study the appropriateness of defining such candidate colour types for use in systems using JPEG XR images; particularly consider the type codes available in the CICP specification Rec. ITU-T H.273 ISO/IEC 23091-2 and the colour related specifications needed for support of ITU-R BT.2020 and ITU-R BT.2100; • Consider the possible ways of editorially expressing definitions of colour type interpretation in text (e.g., by reference to CICP versus by direct inclusion of equations) to prepare and propose draft text for such methods of editorial expression; • Work with contributors to develop a modular framework for the Generic JPEG Pleno Light Field Architecture that isolates the top-level architecture functional blocks in order to support core experiments.
Deliverables	<ul style="list-style-type: none"> • Identification of candidate additional colour types for use with JPEG XR images and judgments concerning their priority and appropriateness for support, e.g., in JPEG XR Part 2 Annex A files, JPX files, and other file types as applicable. • Candidate draft text for revision of JPEG XR part 2 Annex A and possibly other important file types and systems to support relevant additional colour types.
Meetings	
How to join	<p>E-mail reflector: jpeg-xr@listes.epfl.ch</p> <p>In order to subscribe to the mailing list send an e-mail (its content is unimportant) to the address: jpeg-xr-subscribe@listes.epfl.ch. You will receive information to confirm your subscription, and upon the acceptance of the moderator will be included in the mailing-list</p>

Subgroup	Systems
Status	Public
Name	Ad Hoc Group on Exploration of Carriage Mechanism for JPEG-specified Codecs in HEIF
Chair	Thomas Richter (thomas.richter@iis.fraunhofer.de)
Co-chair	David Singer (singer@apple.com)
Mandates/ Objectives	<ul style="list-style-type: none"> • Analysis of the of the documents received from WG11 regarding HEIF, MIAF and the carriage mechanism for inclusion of JPEG XR in ISOBMFF consistent with HEIF • Identification of use cases and requirements for inclusion of JPEG XR and other JPEG codecs in ISOBMFF consistent with HEIF • Identification of capabilities offered by the above and comparison and relation to these offered by existing JPEG standards • Exploration of carriage mechanism for JPEG-specified codecs in ISOBMFF consistent with HEIF, in particular JPEG 2000, JPEG XT and JPEG XR • To explore the benefits of the mechanisms used in HEIF for current and future work in JPEG Systems
Deliverables	<ul style="list-style-type: none"> • Report on proposed carriage mechanisms for JPEG-specified codecs in ISOBMFF consistent with HEIF, in particular: <ul style="list-style-type: none"> ○ JPEG 2000 ○ JPEG XT ○ JPEG XR • Report on the benefits of the mechanisms used in HEIF for current and future work in JPEG Systems
Meetings	Online meeting(s) will be announced following the procedure described in WG1 AHGs rules.
How to join	<p>E-mail reflector: jpeg-heif@listes.epfl.ch</p> <p>In order to subscribe to the mailing list send an e-mail (its content is unimportant) to the address: jpeg-heif-subscribe@listes.epfl.ch. You will receive information to confirm your subscription.</p>