TITLE: List of Ad Hoc Groups established during the 95th ISO/IEC JTC 1/SC29/WG1 Meeting, 2022-04-25 to 2022-04-29, Online

SOURCE: WG1 Convenor

PROJECT: All WG1 projects

STATUS: Final

REQUESTED ACTION: For information

DISTRIBUTION: Public

Contact:
ISO/IEC JTC 1/SC29/WG1 Convenor – Prof. Touradj Ebrahimi
EPFL/STI/IEL/GR-EB, Station 11, CH-1015 Lausanne, Switzerland
Tel: +41 21 693 2606, Fax: +41 21 693 7600, E-mail: Touradj.Ebrahimi@epfl.ch
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 AI**
6. **Ad Hoc Group on JPEG Pleno Point Cloud**
7. **Ad Hoc Group on JPEG GMIS**
8. **Ad Hoc Group on Image Quality Assessment**
9. **Ad Hoc Group on JPEG Pleno Light Field**
10. **Ad Hoc Group on JPEG Pleno Holography**
11. **Ad Hoc Group on JPEG 2000**
12. **Ad Hoc Group on JPEG XS**
13. **Ad Hoc Group on JPEG XL**
14. **Ad Hoc Group on JPEG XT and JPEG Reference Software**
15. **Ad Hoc Group on JPEG Systems**

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mailing list</td>
<td>Moderated</td>
</tr>
<tr>
<td>Name</td>
<td>Ad Hoc Group on JPEG Operations</td>
</tr>
<tr>
<td>Chair</td>
<td>Frederik Temmermans (<a href="mailto:frederik.temmermans@vub.be">frederik.temmermans@vub.be</a>)</td>
</tr>
<tr>
<td>Co-chair</td>
<td>Tim Bruylants (<a href="mailto:t.bruylants@intopix.com">t.bruylants@intopix.com</a>)</td>
</tr>
<tr>
<td>Mandates/ Objectives</td>
<td></td>
</tr>
<tr>
<td>● Maintain JPEG website and update content</td>
<td></td>
</tr>
<tr>
<td>● Publish the press release &amp; calling notice on WG1 and SC29 websites</td>
<td></td>
</tr>
<tr>
<td>● Publish 4th JPEG NFT and Fake Media Workshop Proceedings and publish workshop video on YouTube</td>
<td></td>
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<tr>
<td>● Publish 6th JPEG DNA Workshop Proceedings and publish workshop video on YouTube</td>
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<tr>
<td>● Discuss future communication strategy</td>
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<tr>
<td>● Follow up upload status and notification of output documents</td>
<td></td>
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<tr>
<td>● Remove duplicated output documents in members upload area of 93rd and 94th meeting</td>
<td></td>
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<tr>
<td>● Contact ISO regarding ISO Documents issues</td>
<td></td>
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<tr>
<td>● Update certificate for ds.jpeg.org</td>
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<tr>
<td>● Update JPEG Operating Manual, in particular naming conventions</td>
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<tr>
<td>● Discuss access management to WG1 accounts</td>
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<tr>
<td>● Extend the 2022 sponsorship program</td>
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<tr>
<td>● Update website content for JPEG Systems</td>
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<tr>
<td>● Check SC29 website and update if necessary</td>
<td></td>
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<tr>
<td>Deliverables</td>
<td>Updated JPEG Operating Manual</td>
</tr>
<tr>
<td>Meetings</td>
<td>Online AHG meetings on the following dates</td>
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</tbody>
</table>
### ISO/IEC JTC 1/SC29/WG1 N100146

#### 95th Meeting – Online – 25-29 April 2022

<table>
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<tr>
<td>Name</td>
<td>Ad Hoc Group on Dissemination</td>
</tr>
<tr>
<td>Chair</td>
<td>Antonio Pinheiro (<a href="mailto:pinheiro@ubi.pt">pinheiro@ubi.pt</a>)</td>
</tr>
<tr>
<td>Co-chair</td>
<td>Tim Bruylants (<a href="mailto:t.bruylants@intopix.com">t.bruylants@intopix.com</a>)</td>
</tr>
</tbody>
</table>
| Mandates/ Objectives | ● Define a set of documents that can be used for JPEG Committee members in dissemination activities.  
● To study the possibility of creating dissemination videos.  
● JPEG overview timeline update |
| Deliverables | ● Set of slides for dissemination activities |
| 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](http://listregistration.jpeg.org) or in case of problems contact [lists@jpeg.org](mailto:lists@jpeg.org). |

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<tr>
<th>Subgroup</th>
<th>Requirements</th>
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<tr>
<td>Mailing list</td>
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<tr>
<td>Name</td>
<td>Ad Hoc Group on JPEG Fake Media &amp; NFT</td>
</tr>
<tr>
<td>Chair</td>
<td>Frederik Temmermans (<a href="mailto:frederik.temmermans@vub.be">frederik.temmermans@vub.be</a>)</td>
</tr>
<tr>
<td>Co-chair</td>
<td>Sabrina Caldwell (<a href="mailto:sabrina.caldwell@anu.edu.au">sabrina.caldwell@anu.edu.au</a>)</td>
</tr>
</tbody>
</table>
| Mandates/ Objectives | ● Disseminate and distribute the Final Call for Proposals on JPEG Fake Media  
● Study the documents of ITU-T SG16 Q22 and prepare a liaison response.  
● Continue identifying, describing and documenting use cases and requirements for NFTs focused on digital media types and applications relevant to JPEG  
● Update the Draft Use Cases and Requirements for JPEG NFT document  
● Organize 5th JPEG NFT and Fake Media Workshop prior to the 96th JPEG meeting  
● Identify and invite stakeholders from academia, industry, end-user communities |
| Deliverables | ● Proposed updates to “Use Cases and Requirements for JPEG NFT”  
● 5th JPEG NFT and Fake Media Workshop Proceedings |

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](http://listregistration.jpeg.org) or in case of problems contact [lists@jpeg.org](mailto:lists@jpeg.org).
**Meetings**

Online AHG meetings on the following dates:
- Tuesday 2022-05-10: 06:00-08:00 UTC
- Tuesday 2022-05-31: 13:00-15:00 UTC
- Thursday 2022-06-30: 20:00-22:00 UTC

Additional online meetings may 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](http://listregistration.jpeg.org) or in case of problems contact lists@jpeg.org.

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### Subgroup Requirements

**Mailing list**

Public

**Name**

Ad Hoc Group on Digital Media Storage using DNA

**Chair**

Marc Antonini ([am@i3s.unice.fr](mailto:am@i3s.unice.fr))

**Co-chair**

Touradj Ebrahimi ([touradj.ebrahimi@epfl.ch](mailto:touradj.ebrahimi@epfl.ch))

**Mandates/Objectives**

- Improve “Use Cases and Requirements for DNA-based Media Storage” version 0.1 document
- Improve the “JPEG DNA Common Test Conditions” version 0.2 document including a description of an end-to-end workflow for image storage using DNA that includes synthesizer/sequencer
- Improve the “JPEG DNA Benchmark Codec” version 0.5 document
- Carry out exploration experiments according to the CTC and produce a document describing the latter along with results
- Explore carrying out an end-to-end wet lab experiment (including DNA synthesis)
- Prepare an outreach video to explain DNA coding

**Deliverables**

- Proposed update to Use Cases and Requirements for DNA-based Media Storage version 0.1
- Proposed update to JPEG DNA Common Test Conditions version 0.2
- Proposed update to JPEG DNA Benchmark Codec version 0.5
- Description of JPEG DNA exploration experiments and their results
- Promotional video explaining DNA coding

**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](http://listregistration.jpeg.org) or in case of problems contact lists@jpeg.org.

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### Subgroup Requirements

**Mailing list**

Public

**Name**

Ad Hoc Group on JPEG AI

**Chair**

João Ascenso ([joao.ascenso@lx.it.pt](mailto:joao.ascenso@lx.it.pt))

**Co-chair**

Elena Alshina ([elena.alshina@huawei.com](mailto:elena.alshina@huawei.com))

**Mandates/Objectives**

- Coordinate the submission of proposals’ bitstreams and decoded images and/or labels for the JPEG AI test datasets.
### Objective and Subjective Evaluation of JPEG AI Proposals

- Objective and subjective evaluation of JPEG AI proposals along with the selected anchors.
- Perform the cross-check of all JPEG AI proposals.
- Coordinate the submission of source code for the encoder, decoder, training procedure and the proposal description.

### Deliverables

- Report on the objective evaluation of JPEG AI proposals
- Report on the subjective evaluation of JPEG AI proposals
- Report on the cross-check of JPEG AI proposals

### Meetings

- **Online AHG meetings on the following dates:**
  - Friday 2022-05-13, 13:00 – 15:30 UTC
  - Monday 2022-06-13, 13:00 – 15:30 UTC
  - Wednesday 2022-07-13, 13:00 – 15:30 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](http://listregistration.jpeg.org) or in case of problems contact lists@jpeg.org.
<table>
<thead>
<tr>
<th>Deliverables</th>
<th>Online AHG meetings on the following dates:</th>
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<tbody>
<tr>
<td></td>
<td>● Tuesday 2022-06-07: 13:00-14:00 UTC</td>
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<tr>
<td></td>
<td>● Tuesday 2022-07-12: 13:00-14:00 UTC</td>
</tr>
<tr>
<td></td>
<td>Additional online meetings may be scheduled as required with at least one week’s notice.</td>
</tr>
</tbody>
</table>

How to join

Email reflector: jpeg-gmis

To subscribe to the reflector, please visit [http://listregistration.jpeg.org](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](mailto:evgeniy.upenik@huawei.com))

**Co-chair**

Michela Testolina ([michela.testolina@epfl.ch](mailto:michela.testolina@epfl.ch))

**Mandates/ Objectives**

● Organize the Workshop on Image Quality Assessment.

● Produce the “Final Call for Contributions on Subjective Image Quality Assessment”.

● Update the “Use Cases and Requirements for Image Quality Assessment 2.0” document.

**Deliverables**

● Proposed Final Call for Contributions on Subjective Image Quality Assessment”

● Use Cases and Requirements for Image Quality Assessment 3.0

● Workshop Proceedings

**Meetings**

Online AHG meeting on the following date:

● Tuesday 2022-05-17, 13.00-15.00 UTC

Additional online meetings may be scheduled in agreement as determined by the AHG 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](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 ([carla@ime.eb.br](mailto:carla@ime.eb.br))

**Co-chair**

Saeed Mahmoudpour ([saeed.mahmoudpour@vub.be](mailto:saeed.mahmoudpour@vub.be))
### Mandates/ Objectives
- Update JPEG Pleno Use Cases and Requirements for Light Field Quality Assessment
- Review of Light Field Quality Assessment v1.0
- Prepare JPEG Pleno Final Call for Contributions on Subjective Light Field Quality Assessment
- Organize workshop on learning-based light field coding
- Study use cases and requirements for learning-based light field coding
- Produce DOCR and study text for IS JPEG 2000 Part 17

### Deliverables
- Updated JPEG Pleno Use Cases and Requirements for Light Field Quality Assessment
- Updated text of Light Field Quality Assessment v1.0
- Proposed text for JPEG Pleno Final Call for Contributions on Subjective Light Field Quality Assessment
- Workshop on learning-based light field coding and associated proceedings
- Draft use cases and requirements for learning-based light field coding
- DOCR 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](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](mailto:kjoh@etri.re.kr))

### Co-chair
Peter Schelkens ([Peter.Schelkens@vub.be](mailto:Peter.Schelkens@vub.be))

### Mandates/ Objectives
- Manage and execute Core Experiment 3 as contained in WG1N100192
- Update Common Test Conditions document and associated CTC software
- Maintain Verification Model Software
- Update Working Draft

### Deliverables
- Report on Core Experiment 3
- Proposed updates to Common Test Conditions document and associated CTC software
- Updated Verification Model Software
- Study text for updated Working Draft

### Meetings
Online AHG meetings on the following dates:
- Wednesday 2022-05-11
- Thursday 2022-06-02
- Thursday 2022-06-23
- Wednesday 2022-07-06
- Thursday 2022-07-21
The meeting times will be decided by doodle poll.
Additional online meetings as determined by the AHG with at least one week’s notice.

### How to join
Email reflector: jpeg-holo
<table>
<thead>
<tr>
<th>Subgroup</th>
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<tbody>
<tr>
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<tr>
<td>Name</td>
<td>Ad Hoc Group on JPEG 2000</td>
</tr>
<tr>
<td>Chair</td>
<td>Pierre-Anthony Lemieux (<a href="mailto:pal@sandflow.com">pal@sandflow.com</a>)</td>
</tr>
<tr>
<td>Co-chair</td>
<td>David Taubman (<a href="mailto:d.taubman@unsw.edu.au">d.taubman@unsw.edu.au</a>)</td>
</tr>
</tbody>
</table>

**Mandates/ Objectives**

- Maintain HTJ2K GitLab repositories
- Refine white paper on "HTJ2K performance on laptop/desktop PCs"
- Prepare a brief overview of JPEG 2000 (ideally 1 slide plus backup slides) to be incorporated in the JPEG dissemination slide deck
- Study results of Core Experiment 1 on ISO/IEC 15444-4 3ED and propose revised conformance bounds to incorporated in a new edition of the document
- Finalize DoCR on DIS ballot on 15444-8 2ED
- Finalize IS 15444-8 2ED

**Deliverables**

- HTJ2K GitLab repositories
- White paper on "HTJ2K performance on laptop/desktop PCs"
- Slides presenting a brief overview of JPEG 2000
- Report on proposed revised conformance bounds for ISO/IEC 15444-4 3ED
- DoCR on DIS ballot on 15444-8 2ED
- IS 15444-8 2ED

**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](http://listregistration.jpeg.org) or in case of problems contact lists@jpeg.org.

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<tr>
<td>Mailing list</td>
<td>Moderated</td>
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<tr>
<td>Name</td>
<td>Ad Hoc Group on JPEG XS</td>
</tr>
<tr>
<td>Chair</td>
<td>Tim Bruylants (<a href="mailto:t.bruylants@intopix.com">t.bruylants@intopix.com</a>)</td>
</tr>
<tr>
<td>Co-chair</td>
<td>Thomas Richter (<a href="mailto:thomas.richter@iis.fraunhofer.de">thomas.richter@iis.fraunhofer.de</a>)</td>
</tr>
</tbody>
</table>

**Mandates/ Objectives**

- Perform Core Experiment 1 as specified in WG1N100187
- Continue Exploration Study 1 as specified in WG1N100092
- Prepare draft for Core Experiment 2
- Work on draft of the White Paper describing XS Bayer coding tools
- Prepare DOCR for ISO/IEC 21122-2/DAMD1 and draft of AMD text
- Collect additional content for CE1, ES1 and CE2

**Deliverables**

- Results of Core Experiment 1
- Results of Exploration Study 1
- Draft of Core Experiment 2
- Draft of DOCR for ISO/IEC 21122-2/DAMD1 and draft of AMD1 text
- Proposed update of the White Paper on XS Bayer coding tools

### Meetings

<table>
<thead>
<tr>
<th>Online AHG meetings on the following dates</th>
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<tbody>
<tr>
<td>Thursday 2022-05-19, 7:00-8:00 UTC</td>
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<tr>
<td>Thursday 2022-06-02, 7:00-8:00 UTC</td>
</tr>
<tr>
<td>Thursday 2022-06-16, 7:00-8:00 UTC</td>
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<tr>
<td>Thursday 2022-06-30, 7:00-8:00 UTC</td>
</tr>
<tr>
<td>Thursday 2022-07-14, 7:00-10:00 UTC</td>
</tr>
</tbody>
</table>

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](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](mailto:jon@cloudinary.com)) |

### Co-chair

| Jyrki Alakuijala ([jyrki@google.com](mailto:jyrki@google.com)) |

### Mandates/Objectives

- Maintenance of reference software
- Prepare updated White Paper
- Prepare study text of WD of ISO/IEC 18181-2 2nd edition
- Check status of IANA registration of image/jxl
- Prepare website updates
- Study requirements for fixed-point support in 18181-1

### Deliverables

- Updated reference software
- Proposed updated White Paper
- Study text of WD of ISO/IEC 18181-2 2nd edition
- Report on the support for fixed-point in 18181-1

### Meetings

<table>
<thead>
<tr>
<th>Online AHG meetings on the following dates</th>
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<tbody>
<tr>
<td>Tuesday 2022-05-24, 15:00-16:00 UTC on the White Paper</td>
</tr>
</tbody>
</table>

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](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](mailto:thomas.richter@iis.fraunhofer.de)) |

### Co-chair

| Junichi Hara ([waver.jp@outlook.com](mailto:waver.jp@outlook.com)) |

### Mandates/Objectives

- Investigate defect report on ISO/IEC 18477-4 and ISO/IEC 18477-5
- Study necessary action in accordance with the above defect reports
- Depending on the outcome of the discussion, create WD 18477-3/-4/-5 2ED
- Check for updates of the reference software implementations
- Create candidate text for WD 10918-7 3ED
- Create candidate text for WD 10918-4 2ED

**Deliverables**
- WD of 18477-3/-4/-5 2ED as necessary
- WD of 10918-7 3ED
- WD of 10918-4 2ED

**Meetings**
- Online AHG meetings on the following dates
  - Wednesday 2022-05-25 12:00-13:00 UTC on 18477-3
  - Additional 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](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 Rosenthal ([lrosenth@adobe.com](mailto:lrosenth@adobe.com))

### Co-chair
- Frederik Temmermans ([frederik.temmermans@vub.be](mailto:frederik.temmermans@vub.be))

### Mandates/ Objectives
- Prepare AG4 Workshop on Systems
- Update JPEG Systems White Paper
- 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 WD2 of ISO/IEC 19566-9
- Prepare text for JLINK and JPEG Snack for the JPEG website
- Discuss scope and conformance testing data for reference software
- Review ballot results of 19566-7 JLINK
- Review ballot results of 19566-8 JPEG Snack

### Deliverables
- Proposed draft of JPEG Systems White Paper
- Proposed draft Use Cases and Requirements for JUMBF Extensions
- Proposed draft specification for media type registration
- Proposed draft DTR of ISO/IEC 19566-9
- Text for website wrt to JLINK and JPEG Snack
- Proposed DOCR for 19566-7 JLINK
- Proposed IS text for 19566-7 JLINK
- Proposed DOCR for 19566-8 JPEG Snack
- Proposed FDIS text for 19566-8 JPEG Snack

### Meetings
- Online AHG meetings on the following dates:
  - Thursday, 2022-05-19, 14:00 - 16:00 UTC, on AG4 Workshop, JPEG Systems White Paper, JUMBF Extensions, IANA reg, TR 19566-9, reference software
  - Thursday, 2022-06-22, 08:00 - 10:00 UTC, on JPEG Systems White Paper, JUMBF Extensions, IANA reg, TR 19566-9, reference software
  - Friday, 2022-07-22, 05:00 - 07:00 UTC, on JPEG Snack and JLINK
- Additional online meetings may be scheduled as required with at least a one week’s notice.
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