**INTERNATIONAL ORGANISATION FOR STANDARDISATION**

**ORGANISATION INTERNATIONALE DE NORMALISATION**

**ISO/IEC JTC 1/SC 29/WG 11**

**CODING OF MOVING PICTURES AND AUDIO**

**ISO/IEC JTC 1/SC 29/WG 11 N16153**

**Geneva, CH – June 2016**

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| --- | --- |
| **Source:** | **Leonardo Chiariglione**  |
| **Title:** | **Ad hoc groups established at MPEG 115** |

**Ad hoc groups established at MPEG 115**

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| **Name** | **AHG on Compact Descriptors for Video Analysis (CDVA)** |
| **Mandates** | 1. To maintain and extend the data set.
2. To maintain and improve the evaluation framework.
3. To perform and discuss CDVA Core Experiments, and analyse the results.
4. To create and maintain the test model CXM v0.2.
5. To promote the CDVA activities.
 |
| **Chairmen** | Miroslaw Bober, Werner Bailer |
| **Duration** | until 116th MPEG meeting |
| **Reflector(s)** | Cdvs-tnt@listserv.uni-hannover.de |
| **Subscribe** | To subscribe or unsubscribe, send email to listserv@listserv.uni-hannover.de with message subscribe cdvs-tnt |
|  |  |  |  |
| **Meeting** | Sunday prior to MPEG meeting, 2016-10-16(\*Joint with MPEG-7 Visual and CDVS) | Room Size | 25 |
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| **Name** | **AHG on Requirements on Genome Compression and Storage** |
| **Mandates** | 1. To disseminate the Call for Proposals and relative information to reach the maximum number of potential contributors.
2. To disseminate the information on the activities carried out by SC29/WG11.
3. To distribute (on hard disks or by downloading from mirroring sites) the MPEG genome database of test data representative of both sequencing technologies and life forms. Contact Claudio Alberti (claudio.alberti@epfl.ch) for the data (N16322).
4. To analyse the answers to the Call for Proposals in the ad-hoc meeting before the 116th meeting.
5. To analyze genome information applications and identify requirements related to file format definition and compression technology.
6. To validate the framework for lossy compression approaches evaluation defined in N16326 to quality scores and define appropriate metrics. To investigate if the existing dataset of genomic data (N16322) should be extended for this objective.
 |
| **Chairmen** | Marco Mattavelli (EPFL)Martin Golebiewski (HITS gGmbH)Jaime Delgado (UPC) |
| **Duration** | Until Next Meeting |
| **Reflector(s)** | genome\_compression@listes.epfl.ch |
| **Subscribe** | To subscribe, send email to genome\_compression-subscribe@listes.epfl.ch |
|  |  |  |  |
| **Meeting** | YES | Room Size | 30 |
| Saturday and Sunday before MPEG meeting from 9h to 18h |  |

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| **Name** | **AHG on Reconfigurable Media Coding** |
| **Mandates** | 1. To study improvements for the normative and non-normative parts of RMC related text, software, and conformance.
2. To discuss and study the developments necessary for ongoing and future amendments of 23001-4, 23002-4, 23002-5, and 23002-6.
3. To further develop tools for more HEVC profiles.
4. To study improved support for parallel architectures.
 |
| **Chairmen** | Marco Mattavelli |
| **Duration** | Until Next Meeting |
| **Reflector(s)** | rvc@listes.epfl.ch |
| **Subscribe** | To subscribe, send email to rvc-subscribe@listes.epfl.ch |
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| **Meeting** | No meeting | Room Size |  |
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| **Name** | **AHG on Media Orchestration** |
| **Mandates** | 1. Study MPEG-7 standard for elements relevant to Media Orchestration, and make a recommendation on which ones to use;
2. Perform evaluation of Responses to 2nd Call for Proposals for Media Orchestration in AHG meeting taking place the weekend before MPEG 116;
3. Prepare recommendation based on evaluation
4. Study Media Orchestration WD, resolving editorial notes and preparing an updated version
 |
| **Chairmen** | Rob Koenen, Jean-Claude Dufourd, Sejin Oh, Youngkwon Lim |
| **Duration** | Until MPEG 116 |
| **Reflector(s)** | gen-sys@lists.uni-klu.ac.at |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/listinfo/gen-sys |
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| **Meeting** | Sat and Sun prior to MPEG | Room Size | 20 |
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| **Name** | **AHG on Green MPEG** |
| **Mandates** | 1. Study and contribute to ISO/IEC 23001-11 AMD 2 - Conformance and Reference Software
2. Solicit contributions on complexity metrics for AVC and HEVC
 |
| **Chairmen** | Xavier Ducloux (Harmonic)Spencer Cheng (Linked-Video Communication Technology Ltd) |
| **Duration** | Until Next Meeting |
| **Reflector(s)** | green-mpeg@googlegroups.com |
| **Subscribe** | To subscribe, contact Youngkwon Lim (yklwhite@gmail.com) |
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| **Meeting** | Sunday prior to MPEG meeting | Room Size | 10 |
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| **Name** | **AHG on Common Media AF** |
| **Mandates** | 1. Study CD and solicit contributions
2. Organize an interim AhG meeting on August 25-26, 2016
3. Evaluate the feasibility of a common text approach to CMAF and DASH
4. Add a solution for carriage of sparse metadata along in the media tracks
5. Continue resolving the outstanding GitHub issues
6. Solicit contributions on CMAF conformance and test vectors
 |
| **Chairmen** | Krasimir Kolarov; Iraj Sodagar; Cyril Concolato |
| **Duration** | until 116th meeting |
| **Reflector(s)** | mpeg-cmaf@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-cmaf |
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| **Meeting** | Sunday before the 116th MPEG meeting (08:00 - 15:00) | Room Size | 50 |
| August 25-26, New York | Hosted by MLB Advanced Media |

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| **Name** | **AHG on Internet Video Coding** |
| **Mandates** | 1. To study, discuss and suggest improvements to the text of 2nd DIS 14496-33 and the encoder description document.
2. To solicit contributions for potential future extensions of IVC.
3. To maintain the document of recording prior knowledge about technology brought into IVC, and assess the licensing situation of the current specification.
4. To improve the reference software and conformance test set.
5. 5. To discuss related input documents in the AHG meeting.
 |
| **Chairmen** | Ronggang Wang, Euee S. Jang (co-chairs) |
| **Duration** | until 116th meeting |
| **Reflector(s)** | mpeg-ivc@lists.rwth-aachen.de |
| **Subscribe** | To subscribe or unsubscribe, go tohttps://mailman.rwth-aachen.de/mailman/listinfo/mpeg-ivc |
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| **Meeting** | Yes | Room Size | 20 |
| Sunday prior to the MPEG meeting,2016-10-16 |  |

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| **Name** | **AHG on MPEG-7 Visual and CDVS** |
| **Mandates** | 1. Maintain the MPEG-7 XM and CDVS TM software to ensure correct operation and multi-platform use.
2. Maintain consistency of MPEG-7 Visual and CDVS related documents, Reference Software and Conformance.
3. Evaluate the performance of MPEG-7 tools (MPEG-7 Visual and CDVS) in visual scene classification / clustering.
 |
| **Chairmen** | Miroslaw Bober |
| **Duration** | Until 116th meeting |
| **Reflector(s)** | mpeg7visual@mpeg7.net |
| **Subscribe** | Send an email from the address you wish to subscribe to s.paschalakis@visualatoms.com with the subject line “subscribe mpeg7visual”. |
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| **Meeting** | Sunday prior to MPEG meeting, Oct. 16th, 2016 | Room Size | 25 (shared with CDVA) |
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| **Name** | **MPEG-21 User Description** |
| **Mandates** | 1. Solicit usage of Reference Software for verification of MPEG-21 UD standard
2. Review and prepare comments on the text of MPEG-21 UD DAM1
3. Study of Technologies under Consideration for extension of MPEG-21 UD
 |
| **Chairmen** | Bojan Joveski, Sanghyun Joo |
| **Duration** | Until next meeting |
| **Reflector(s)** | user@lists.uni-klu.ac.at |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/listinfo/user |
|  |  |  |  |
| **Meeting** | yes | Room Size | 15 |
| Sunday prior to MPEG |  |

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| **Name** | **AHG on Virtual Reality** |
| **Mandates** | 1. To develop integrated MPEG view on VR applications and services, including their quality requirements, showing where MPEG standards are needed;
2. To make an MPEG-wide overview of existing standards and ongoing activities that relate to VR
3. To propose a coherent roadmap for MPEG standards and tools that support VR services and applications. The Roadmap should include what MPEG already offers today.
4. To prepare a document that communicates this roadmap to the market
 |
| **Chairmen** | Thomas Stockhammer (Qualcomm Incorporated)Jaeyeon Song (Samsung)Rob Koenen (TNO) |
| **Duration** | until 116th MPEG meeting |
| **Reflector(s)** | mpeg-vr@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-vr |
|  |  |  |
| **Meeting** | Yes | Room Size | 80 |
| 1. Sunday prior to MPEG meeting, 2016-10-16 (4pm to 7pm)2. Monthly conference calls (to be announced on reflector) |  |

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| **Name** | **MPEG Media Transport** |
| **Mandates** | 1. Conduct core experiments as described in N16199
2. Execute work plan on the conformance and reference software
3. Study working drafts and the documents related to MMT under ballot
4. Study synergies with DASH, CMAF
5. Keep relevant SDOs be informed about MMT (ARIB, 3GPP, ATSC, etc.)
6. Study conversion between MPEG-2 TS and MMT Protocol Stream
 |
| **Chairmen** | Imed Bouazizi |
| **Duration** | Until MPEG 116 |
| **Reflector(s)** | mmt@tnt.uni-hannover.de |
| **Subscribe** |  |
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| **Meeting** | Saturday before the 116th MPEG meeting (09:00 - 18:00) | Room Size | 40 |
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| **Name** | **AHG on Font Format representation** |
| **Mandates** | 1. To study the text of ISO/IEC 14496-22:2015/DAM2.
2. To collect the requirements and proposals for future technology developments
 |
| **Chairmen** | Vladimir Levantovssky |
| **Duration** | Until 116th MPEG meeting |
| **Reflector(s)** | mpeg - OTspec @ yahoogroups . com [remove spaces] |
| **Subscribe** | http:// groups . yahoo.com / group / mpeg-OTspec / join [remove spaces] |
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| **Meeting** |  | Room Size |  |
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| **Name** | **AHG on MPEG-V** |
| **Mandates** | 1. Edit the MPEG-V documents
2. To further develop tools for MPEG-V 4th Edition and discuss related contributions.
 |
| **Chairmen** | Marius Preda (Institut Mines Telecom), Seung Wook Lee (ETRI) |
| **Duration** | Until 116th MPEG Meeting |
| **Reflector(s)** | metaverse@lists.aau.at |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/metaverse |
|  |  |  |  |
| **Meeting** | During weekend prior to MPEG | Room Size | 20 |
|  | October 16th, 16h00-18h00 |

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| **Name** | **AHG on Graphics compression** |
| **Mandates** | 1. Solicit and compile additional test data for point clouds, including point clouds with multiple attributes per point
2. Solicit contributions related to evaluation metrics
3. Collect contributions and maintain the utility software
 |
| **Chairmen** | Zhu Li (Univ of Missouri), Rufael Mekuria (CWI), Christian Tulvan (Institut Mines Telecom), |
| **Duration** | Until 116th MPEG Meeting |
| **Reflector(s)** | mpeg-3dgc AT gti. ssr. upm. es |
| **Subscribe** | To subscribe, send email to https://mx.gti.ssr.upm.es/mailman/listinfo/mpeg-3dgc |
|  |  |  |  |
| **Meeting** | During weekend prior to MPEG | Room Size | 20 |
|  | October 16th 09h00-18h00 |

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| **Name** | **AHG on IoMTW** |
| **Mandates** | 1. Complete the description of exiting use cases for IoMTW
2. Refine requirements for IoMTW
3. Identify the list of MPEG technologies related to IoMTW
4. Identify key organizations in IoT and Wearables and the status of their work
 |
| **Chairmen** | Mihai Mitrea, Sang-Kyun Kim, Sungmoon Chun |
| **Duration** | Until 116th MPEG Meeting |
| **Reflector(s)** | MIoTW@lists.aau.at |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/options/MIoTW |
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| **Meeting** | During weekend prior to MPEG | Room Size | 20 |
|  | Sunday October 16th 09h00-16h00 |

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| **Name** | **AHG on Big Media** |
| **Mandates** | 1. Develop a document on “MPEG Vision and Plan for Big Media standardization” to be shared with relevant SDOs and to seek industry engagement at the 116th MPEG meeting
2. Continue collection of use cases with identifying the relevant MPEG existing tools
3. Keep alignment with ISO/IEC JTC 1 WG 9 Big Data Reference Architecture under development
4. Identify the needs for future MPEG standardization
5. Elaborate a conceptual model for media related functionalities in Big Data
 |
| **Chairmen** | Abdellatif Benjelloun (Huawei), Marius Preda (Mines-Telecom, Telecom SudParis), Itaru Kaneko (to check) |
| **Duration** | Until 116th meeting |
| **Reflector(s)** | bigmedia@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/bigmedia |
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| **Meeting** | On Sunday afternoon before MPEG meeting | Room Size | 10 |
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| **Name** | **AHG on FTV (Free-viewpoint Television)** |
| **Mandates** | 1. Continue evaluation of the available/proposed technology on new test materials
2. Collect new high quality test materials (2D-SMV, FN, 360 3D video)
3. Collect and improve reference software for FTV applications
4. Carry out Exploration Experiments on 360 3D video
 |
| **Chairmen** | Masayuki Tanimoto (chair), Krzysztof Wegner, Gauthier Lafruit (co-chairs) |
| **Duration** | until 116th MPEG meeting |
| **Reflector(s)** | ftv@lists.aau.at |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/listinfo/ftv |
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| **Meeting** | 9:00-13:00, 16 October 2016 (Sunday prior to MPEG meeting) | Room Size | 35 + viewing room |
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| **Name** | **AhG on Light Field Compression** |
| **Mandates** | 1. Survey technologies used in actual light field devices
2. Identify use cases that the devices are intended to support
3. Collect test sequences for these devices
4. Develop technologies that reduce the bitrates for the data formats of these devices
5. Seek industry participation
 |
| **Chairmen** | Arianne Hinds, Gauthier Lafruit |
| **Duration** | Until the start of the 116th MPEG meeting |
| **Reflector(s)** | lightfield@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/lightfield |
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| **Meeting** | Sunday prior to MPEG 116 | Room Size | 50 |
|  | Monthly teleconferences to be determined by AhG |

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| **Name** | **AHG on MPEG-DASH** |
| **Mandates** | 1. Collaborate with relevant SDOs
2. Study technologies under considerations (N16223)
3. Conduct core experiment and conference calls according to N16224
4. Study amendments and corrigenda related to DASH under ballot
5. Study of DuI and recommend the result for each item.
6. 6. Continue to work on conformance and reference software.
 |
| **Chairmen** | Iraj Sodagar (Microsoft), Youngkwon Lim (Samsung) |
| **Duration** | until 116th meeting |
| **Reflector(s)** | dash@lists.aau.at |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/dash |
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| **Meeting** |  | Room Size |  |
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| **Name** | **AHG on Application Formats** |
| **Mandates** | 1. MPAF (Multimedia Preservation AF, ISO/IEC 23000-15)
	1. Promote MPAF to digital preservation communities
2. MLAF (Media Linking AF, ISO/IEC 23000-18)
	1. Continue to develop Reference Software
3. Omnidirectional Media AF
	1. Study and improve use cases and requirements
	2. Study WD and solicit industry comments on WD
	3. Solicit technical contributions to improve WD
	4. Study the extent to which and how projection mappings should be specified in OMAF
4. Visual Identity Management AF
	1. Study and improve uses cases and requirements
	2. Solicit contributions
 |
| **Chairmen** | Youngkwon Lim |
| **Duration** | until 116th MPEG meeting |
| **Reflector(s)** | mpeg-maf-dev@lists.aau.at |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/mpeg-maf-dev |
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| **Meeting** |  | Room Size |  |
| (OMAF) 8/25 - 8/26 | Location TBA (in US) |

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| **Name** | **AHG on Network-distributed video coding requirements** |
| **Mandates** | 1. Develop draft requirements for network-distributed video coding.
2. Explore the role of pre-processing and post-processing in codec standards development and testing.
3. Solicit input contributions providing information on estimated capabilities of media delivery networks (head end, edge, gateway, client), computing resources, consumer display interfaces, and codecs for the year 2020.
4. Invite a diverse range of experts in network architecture, computing resources, machine learning and other disciplines that can provide input for requirements of network-distributed coding and future video codecs.
5. Invite commercial codec organizations to participate in the ad hoc group.
 |
| **Chairmen** | Thierry Fautier (Harmonic), Jonatan Samuelsson (Ericsson), Youngkwon Lim (Samsung) |
| **Duration** | until the 116th meeting |
| **Reflector(s)** | mpeg-ndvc@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-ndvc |
|  |  |  |  |
| **Meeting** | 14.00-18.00, 16 October 2016 (Sunday prior to MPEG meeting) | Room Size | 30 |
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| **Name** | **AHG on MPEG File Formats** |
| **Mandates** | 1. Support groups using the file formats (including audio, DASH, CMAF, VR et al.)
2. Study metadata for continuous media notably general camera parameters and harmonize with the support for MVC in 14496-15.
3. Study the definition of Sync Sample in part 12 with respect to RASL/BLA/CRA as noted in the part 15 DCOR
4. Study the WD on partial file storage, and propose improvements
5. Study the Technologies under Consideration and propose improvements
6. Study the carriage of still pictures and image sequences in the file format, particularly the amendment
7. Study the carriage of Layer3 ('mp3') audio in the file format.
8. Study the defect reports and propose corrigendum text
9. Maintain and update the conformance streams, reference software, white papers and one-pagers, and registration authority, as needed.
 |
| **Chairmen** | David Singer (Apple) and Per Fröjdh (Ericsson) |
| **Duration** | Until next meeting |
| **Reflector(s)** | mp4-sys@lists.aau.at |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/mp4-sys |
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| **Meeting** |  | Room Size |  |
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| **Name** | **AHG on 3D Audio and Audio Maintenance** |
| **Mandates** | 1. Review and edit MPEG-H 3D Audio FDAM 3 text
2. Execute Workplan on 3D Audio Verification Test
3. Maintain Audio-related conformance data
4. Maintain Audio-related reference software
 |
| **Chairmen** | Schuyler Quackenbush (ARL) srq at audioresearchlabs . com |
| **Duration** | Until 116th MPEG Meeting |
| **Reflector(s)** | mpeg-audio-call@audioresearchlabs.com |
| **Subscribe** | * To subscribe to the list, send email to the AhG Chair
* To post on the mailing list, send email to mpeg-audio-call@ audioresearchlabs.com

Note that posting is blocked for non-members* To unsubscribe to the list, send email to mpeg-audio-call-request@audioresearchlabs.com with the word “unsubscribe” in the Subject field.
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| **Meeting** | Phone conference call Wed Sep 21 1500-1600 CETTest material selection meeting Oct 5 and Oct 6 at FhG-IIS (Erlangen DE)Sunday before MPEG meeting (1000-1800 hrs) | Room Size | 50 |
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| **Name** | **MPEG Roadmap** |
| **Mandates** | 1. To review and improve the MPEG Strategic Standardisation Roadmap (N16316)
2. To prepare the roadmap workshop in Chengdu
 |
| **Chairmen** | José Alvarez (jose.roberto.alvarez@huawei.com)Rob Koenen (rob.koenen@tno.nl) |
| **Duration** | Until MPEG 116 |
| **Reflector(s)** | mpegvision@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpegvision |
|  |  |  |  |
| **Meeting** | No meeting | Room Size |  |
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