**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 N16568**

**Geneva, CH – January 2017**

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| **Source:** | **Leonardo Chiariglione** |
| **Title:** | **Ad hoc groups established at MPEG 117** |

**Ad hoc groups established at MPEG 117**

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| **Name** | **AHG on Requirements on Genome Compression and Storage** | | |
| **Mandates** | 1. To disseminate the information on the activities jointly carried out by ISO/IEC JTC 1/SC 29/WG 11 and ISO TC 276/WG 5 to other ISO TC and other organizations.  2. To make available on line the MPEG genome data to be used for core experiments (N16726).  3. To carry out the core experiments described in document N16724 based on the results of the answers to the Call for Proposals.  4. To contribute to WD editing.  5. To further validate and possibly extend the benchmark framework for quasi-lossless compression of sequencing quality values defined in N16727 and the identified metrics. | | |
| **Chairmen** | Marco Mattavelli (EPFL)  Martin Golebiewski (HITS gGmbH)  Jaime Delgado (UPC) | | |
| **Duration** | Until MPEG 118 | | |
| **Reflector(s)** | genome\_compression@listes.epfl.ch | | |
| **Subscribe** | To subscribe, send email to genome\_compression-subscribe@listes.epfl.ch | | |
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| **Meeting** | Yes | Room Size | 20 |
| 10:00-18:00, 2 April 2017 (Sunday prior to MPEG meeting) |  | |

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| **Name** | **AHG on MPEG-21 User Description** | | |
| **Mandates** | 1. Solicit new use cases for the 2nd edition of MPEG-21 UD  2. Solicit missing technologies in the 1st edition of MPEG-21 UD  3. Review the current TuC document  4. Solicit additional technologies for the new use cases in the TuC | | |
| **Chairmen** | Bojan Joveski (bojanjoveski@gmail.com)  Sanghyun Joo (joo1631@gmail.com) | | |
| **Duration** | until the 118th MPEG meeting | | |
| **Reflector(s)** | user@lists.uni-klu.ac.at | | |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/listinfo/user | | |
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| **Meeting** | Sunday before 118th MPEG meeting | Room Size | 15 |
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| **Name** | **AHG on Compact Descriptors for Video Analysis (CDVA)** | | |
| **Mandates** | 1. To maintain and extend the data set.  2. To create and maintain the test model CXM v1.1, and maintain the evaluation framework.  3. To perform and discuss CDVA Core Experiments, and analyse the results.  4. To promote the CDVA activities. | | |
| **Chairmen** | Werner Bailer, Miroslaw Bober, Lingyu Duan | | |
| **Duration** | until 118th 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 | | |
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| **Meeting** | Sunday before MPEG meeting | Room Size | 15 |
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| **Name** | **AHG on MP20 Roadmap** | | |
| **Mandates** | 1. To review and improve the MP20 Standardisation Roadmap  2. To organize an MPEG Roadmap Workshop in Las Vegas, NV, US, at NAB, on Sat 22 or Sun 23 April 2017 | | |
| **Chairmen** | José Alvarez (jose.roberto.alvarez@huawei.com),  Rob Koenen (rob.koenen@tno.nl)  Thierry Fautier (Thierry.Fautier@harmonicinc.com) | | |
| **Duration** | Until MPEG 118 | | |
| **Reflector(s)** | mpegvision@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpegvision | | |
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| **Meeting** | no meeting | Room Size |  |
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| **Name** | **AHG on Application Formats** | | |
| **Mandates** | 1. MLAF (Media Linking AF, ISO/IEC 23000-18)  a. Continue to develop Reference Software  2. Omnidirectional Media AF  a. Study CD and solicit industry comments on CD  b. Conduct verification experiments  c. Study projections under consideration and extension mechanisms for supporting user private projections  4. Visual Identity Management AF  a. Study and improve uses cases and requirements  b. Solicit contributions | | |
| **Chairmen** | Youngkwon Lim, Ye-Kui Wang | | |
| **Duration** | until the next 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** | (OMAF) 4/1- 4/2 | Room Size | 40 |
| (OMAF) conference calls on verification experiments |  | |

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| **Name** | **AHG on 3D Audio for AR/VR** | | |
| **Mandates** | 1. Discuss and progress use cases for AR/VR 2. Execute Workplan on 3D Audio Conformance 3. Draft promotional white papers on MPEG-H 3D Audio 4. Maintain Audio-related conformance data 5. Maintain Audio-related reference software | | |
| **Chairmen** | Schuyler Quackenbush (ARL) srq at audioresearchlabs.com | | |
| **Duration** | Until 118th MPEG meeting | | |
| **Reflector(s)** | mpeg-audio-call@audioresearchlabs.com | | |
| **Subscribe** | • To subscribe or unsubscribe to the list, send email to  the AhG Chair or go to  http://www.audioresearchlabs.com/mailman/listinfo/mpeg-audio-call\_audioresearchlabs.com  • To post on the mailing list, send email to  mpeg-audio-call@ audioresearchlabs.com  Note that posting is blocked for non-members | | |
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| **Meeting** | No Meeting | Room Size |  |
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| **Name** | **AHG on MPEG-DASH** | | |
| **Mandates** | 1. Collaborate with relevant SDOs  2. Identify and Implement the necessary editorial update on draft text 23009-1 3rd edition (N16661)  3. Study technologies under considerations (N16659)  4. Conduct core experiment and conference calls according to N16660  5. Continue to work on conformance and reference software.  6. Gap analysis between the current conformance software and 3rd edition  7. Explore the shortcomings of Part 5 for effective deployment (N16710)  8. Study and provide signaling of OMAF indications in DASH (N16711) | | |
| **Chairmen** | Iraj Sodagar (Microsoft), Youngkwon Lim (Samsung) | | |
| **Duration** | Until MPEG 118th meeting | | |
| **Reflector(s)** | dash@lists.aau.at | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/dash | | |
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| **Meeting** | 4/2 19:00 - 21:00 (on mandate 8) | Room Size | 50 |
| Two conference calls on the 3rd edition editorial update  1. February 24th, 8AM-10AM PST  2. March 9th, 10AM-12PM PST |  | |

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| **Name** | **AHG on MPEG-I** | | |
| **Mandates** | 1. Study use cases and requirements for all phases of MPEG-I, and propose an update to the Use Case Section in the Technical Report  2. Improve the 0.1 version of the WD to have a publishable WD 1.0 of the Technical Report in Hobart  3. Transform OMAF requirements into a set of requirements for phase 1a that can be considered final  4. Prepare a statement about MPEG-I to be published at the Hobart meeting | | |
| **Chairmen** | Thomas Stockhammer, Mary-Luc Champel, Schuyler Quackenbush, Rob Koenen, Jaeyeon Song | | |
| **Duration** | Until MPEG 118 | | |
| **Reflector(s)** | mpeg-i@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i | | |
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| **Meeting** | Sunday before MPEG 118, 16-19 hours | Room Size | 50 |
| 2 or 3 calls will be held |  | |

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| **Name** | **AHG on Media Orchestration** | | |
| **Mandates** | 1. To Study the MORE CD and prepare disposition of comments  2. To prepare a Study of CD | | |
| **Chairmen** | Jean-Claude Dufourd, Sejin Oh, Youngkwon Lim, Rob Koenen | | |
| **Duration** | Until MPEG 118 | | |
| **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** | None | Room Size |  |
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| **Name** | **AHG on MPEG File Formats** | | |
| **Mandates** | 1. Support groups using the file formats (including audio, DASH, CMAF, OMAF et al.)  2. Study metadata for continuous media notably general camera parameters and harmonize with the support for MVC in 14496-15 (for OMAF) and the MORE work.  3. Study the WD on partial file storage, and propose improvements  4. Study the Technologies under Consideration and Working Draft documents and propose improvements.  5. Study the signalling of SEI messages and propose mechanisms.  6. Study the defect reports and propose corrigendum text  7. Maintain and update the conformance streams, reference software, white papers and one-pagers, and registration authority, as needed.  8. Study the Interactivity support and propose a way ahead. | | |
| **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 MMT** | | |
| **Mandates** | 1. Conduct core experiments  2. Study mapping of CMAF to MMT Transport  3. Study MMT Enhancement for Mobile Environments Interface Aspects  4. Study working drafts and the documents related to MMT under ballot  5. Execute work plan on the conformance and reference software  6. Keep relevant SDOs informed about MMT (ARIB, 3GPP, ATSC, etc.) | | |
| **Chairmen** | Imed Bouazizi (i.bouazizi@samsung.com) | | |
| **Duration** | Until MPEG 118 | | |
| **Reflector(s)** | mmt@tnt.uni-hannover.de | | |
| **Subscribe** | mmt-subscribe@tnt.uni-hannover.de | | |
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| **Meeting** | Saturday before MPEG meeting | Room Size | 30 |
| A call on Mobile MMT Interfaces to be scheduled |  | |

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| **Name** | **AHG on Network-Distributed Video Coding (NDVC)** | | |
| **Mandates** | 1. Develop requirements and use cases for network-distributed video coding (NDVC).  2. Review the current draft requirements and use cases, list existing MPEG systems technologies relevant to NDVC and solicit related contributions  3. Solicit input contributions for a potential guided transcoding CfP:  a. related to the exploratory evaluation framework (scripts, configuration settings, metrics).  b. providing guided transcoding results using the exploratory evaluation framework.  4. Solicit input contributions on future extensions:  a. studying new possible applications for media processing in relation to NDVC and providing evidence of benefits  b. defining media processing functions in future network architecture (edge computing, virtualized networks, NFV, SDN)  c. estimating capabilities of media delivery networks (head end, edge, gateway, client), computing resources, consumer display interfaces, and codecs for the year 2020. | | |
| **Chairmen** | Rickard Sjöberg (Ericsson)  Kyungmo Park (Samsung) | | |
| **Duration** | Until MPEG 118 | | |
| **Reflector(s)** | mpeg-ndvc@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-ndvc | | |
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| **Meeting** | Sunday prior to the 118th MPEG meeting (14:00-18:00) | Room Size | 25 |
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| **Name** | **AHG on Common Media AF** | | |
| **Mandates** | 1. Continue editorial improvements of the Study of DIS.  2. Continue investigating the alignment between CMAF and DASH  3. Study PDAM1 and solicit further input on that.  4. Solicit contributions on CMAF conformance and test vectors | | |
| **Chairmen** | Krasimir Kolarov; Iraj Sodagar; Cyril Concolato | | |
| **Duration** | until 118th 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 118th MPEG meeting (08:00 - 18:00) | Room Size | 50 |
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| **Name** | **AHG on Visual Technologies for MPEG-I** | | |
| **Mandates** | 1. Create an inventory of existing tools relevant to MPEG-I Immersive Video  2. Define and carry out exploration experiments for 3DoF+ and 6DoF  3. Refine and harmonize architecture for MPEG phases 1a, 1b, 2 | | |
| **Chairmen** | Jörn Ostermann (chair),Gauthier Lafruit, Masayuki Tanimoto, Krzysztof Wegner (co-chairs) | | |
| **Duration** | Until 118th meeting | | |
| **Reflector(s)** | mpeg-i-visual@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i-visual | | |
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| **Meeting** | 10:00-18:00  2017-04-02 | Room Size | 30 |
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| **Name** | **AHG on Green MPEG** | | |
| **Mandates** | 1. Study and contribute to ISO/IEC 23001-11 AMD 3 – AVC and HEVC complexity metrics  2. Study and contribute to ISO/IEC 23001-11 AMD 2 - Conformance and Reference software | | |
| **Chairmen** | Xavier Ducloux (Harmonic)  Cyril Bergeron (Thales) | | |
| **Duration** | Until MPEG 118 | | |
| **Reflector(s)** | green-mpeg@googlegroups.com | | |
| **Subscribe** | To subscribe, contact Youngkwon Lim (yklwhite@gmail.com) | | |
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| **Meeting** | Sunday morning prior to the 118th MPEG meeting | Room Size | 10 |
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| **Name** | **AHG on Internet Video Coding** | | |
| **Mandates** | 1. To study, discuss and suggest improvements to the preliminary text of FDIS 14496-33 and the encoder description document.  2. To study the issue of MV derivation, discuss and suggest solutions to the problem.  3. To conduct the exploration experiments on ITM+ and assess the results.  4. To solicit contributions for potential future extensions of IVC.  5. To maintain the document of recording prior knowledge about technology brought into IVC and ITM+, and assess the licensing situation of the current specification.  6. To improve the reference software and conformance test set, and align it with 14496-33.  7. To discuss related input documents in the AHG meeting. | | |
| **Chairmen** | Ronggang Wang, Euee S. Jang, K. Fan (co-chairs) | | |
| **Duration** | until 118th meeting | | |
| **Reflector(s)** | mpeg-ivc@lists.rwth-aachen.de | | |
| **Subscribe** | To subscribe or unsubscribe, go to  https://mailman.rwth-aachen.de/mailman/listinfo/mpeg-ivc | | |
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| **Meeting** | Yes | Room Size | 20 |
| Sunday prior to MPEG meeting |  | |

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| **Name** | **AHG on Reconfigurable Video 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, Euee S. Jang | | |
| **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** |  | Room Size |  |
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| **Name** | **AhG on Applications, Test Material, and Evaluation for MPEG-I Visual** | | |
| **Mandates** | 1. Study use cases and requirements for MPEG-I visual and describe corresponding applications and timelines.  2. Study evaluation methods for immersive video.  3. Identify gaps in available test material to support development of technologies in MPEG-I visual technologies, and solicit test material to fill those gaps.  4. Solicit industry engagement | | |
| **Chairmen** | Arianne Hinds (chair), Vittorio Baroncini, Haoping Yu (co-chairs) | | |
| **Duration** | Until the 118th MPEG meeting | | |
| **Reflector(s)** | mpeg-i-apps@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i-apps | | |
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| **Meeting** | Sunday prior to MPEG 118 (in conjunction with AhG for MPEG-I visual technologies) | Room Size | 30 |
| Teleconferences | To be announced on the reflector | |

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| **Name** | **AHG on Point Cloud Compression** | | |
| **Mandates** | 1. Finalize selection of test data and complete the generation of the anchors  2. Finalize the test conditions and constraints per test category and test sequence, generate the evaluation spreadsheet template  3. Select the renderer and the rendering parameters to be used in the subjective evaluation, prepare the scripts for obtaining videos  4. Improve the Complementary Material for PCC evaluation document | | |
| **Chairmen** | Zhu Li (Univ of Missouri), Rufael Mekuria (USP), Christian Tulvan (Institut Mines Telecom), Sebastien Lasserre (Technicolor) | | |
| **Duration** | Until 118th 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 | | |
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| **Meeting** | During weekend prior to MPEG  Place /Date/Logistics April 2nd 09h00-18h00 | Room Size | 40 |
| Before weekend prior to MPEG | Room size: 20  Place : Paris, Technicolor Issy les Moulineaux  Date: February 27 and 28, 2017  Logistics information will be sent on the 3DG reflector | |