**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 N17100**

**Macao, CN – October 2017**

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| **Source:** | **Leonardo Chiariglione** |
| **Title:** | **Ad hoc groups established at MPEG 120** |

**Ad hoc groups established at MPEG 120**

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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 the CDVA WD 2 and the test model CXM 3, and maintain the evaluation software. 3. To perform and discuss CDVA Core Experiments, and analyse the results. 4. To study existing representation formats of neural network (NN) topologies and parameters, and assess their appropriateness for specifying NN based feature extraction in CDVA. | | |
| **Chairmen** | Werner Bailer, Lingyu Duan | | |
| **Duration** | until 121st 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 12.00-16.00 | Room Size | 20 |
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| **Name** | **AHG on MMT** | | |
| **Mandates** | 1. Execute work plan on the conformance 2. Study mapping of CMAF to MMT Transport 3. Study working drafts and the documents related to MMT under ballot 4. Keep relevant SDOs informed about MMT (ARIB, 3GPP, ATSC, etc.) | | |
| **Chairmen** | Imed Bouazizi | | |
| **Duration** | Until next MPEG | | |
| **Reflector(s)** | MMT-TNT@listserv.uni-hannover.de | | |
| **Subscribe** |  | | |
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| **Meeting** | Sunday before meeting 9:00-13:00 | Room Size | 20 |
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| **Name** | **AHG on MPEG Roadmap** | | |
| **Mandates** | 1. To review and improve the MPEG Standardisation Roadmap (presentation and document 2. To prepare the workshop in Gwangju (MPEG 121) 3. To discuss and recommend future MP20 promotional activities, including potentially at NAB 2018 | | |
| **Chairmen** | José Alvarez (jose.roberto.alvarez@huawei.com)  Rob Koenen (rob.koenen@tno.nl)  Teruhiko Suzuki  Gun Bang (Gbang@etri.re.kr)  Jihun Cha | | |
| **Duration** | Until MPEG 121 | | |
| **Reflector(s)** | mpegvision@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpegvision | | |
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| **Meeting** | No meetings, only workshops | Room Size |  |
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| **Name** | **AHG on MPEG-DASH** | | |
| **Mandates** | 1. Collaborate with relevant SDOs 2. Solicit input on ISO/IEC 23009-1 3rd edition 3. Study technologies under consideration (TuC; N17213) and defects under investigation (DuI; N17214) 4. Solicit inputs for ISO/IEC 23009-3 3rd edition (N17217), ISO/IEC 23009-5 DCOR (N17234), and ISO/IEC 23009-7 WD (N17220) 5. Continue to work on conformance and reference software | | |
| **Chairmen** | Christian Timmerer, Ali C. Begen, Iraj Sodagar | | |
| **Duration** | Until next MPEG meeting | | |
| **Reflector(s)** | dash@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/dash | | |
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| **Meeting** |  | Room Size |  |
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| **Name** | **AHG on MPEG-I Architectures** | | |
| **Mandates** | 1. Check the compliance of OMAF with the requirements for MPEG-I phase 1a 2. Critically review and prepare finalizing the requirements for MPEG-I phase 1b, for completion and final approval at MPEG 121 3. Improve the PDTR WD of the Technical Report (MPEG-I part 1) and to propose updates 4. Review and further edit the Working Draft for the MPEG-I “Metadata for Immersive Services” 5. Study and propose architecture(s) for Immersive Services, including the integration of HNSS and NBMP in such architecture(s) 6. Identify relevant interoperability points in the architecture(s) and make recommendations for standardization needs 7. Develop immersive media quality metrics, their measurability in immersive media services and guidelines for evaluating such quality. | | |
| **Chairmen** | Thomas Stockhammer (tsto@qti.qualcomm.com)  Mary-Luc Champel (mary-luc.champel@technicolor.com)  Jaeyeon Song (jy\_song@samsung.com)  Schuyler Quackenbush (srq@audioresearchlabs.com)  Rob Koenen (rob.koenen@tno.nl) | | |
| **Duration** | Until MPEG 121 | | |
| **Reflector(s)** | mpeg-i@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i | | |
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| **Meeting** | Sunday before MPEG 121 (entire day) | Room Size | 80 |
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| **Name** | **AHG on OMAF** | | |
| **Mandates** | 1. Study list of proposed features and technologies for OMAF amendment 2. Develop plans on reference software and conformance and solicit contributions 3. Develop plan on OMAF Developers' Day and disseminate information 4. Study VRIF's Guidelines and provide feedback | | |
| **Chairmen** | Youngkwon Lim, Ye-Kui Wang | | |
| **Duration** | until 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** |  | Room Size |  |
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| **Name** | **AHG on MPEG MORE** | | |
| **Mandates** | 1. To work on Reference SW, Test Vectors and Conformance for MPEG MORE | | |
| **Chairmen** | Jean-Claude Dufourd, Sejin Oh, Youngkwon Lim, Rob Koenen | | |
| **Duration** | Until MPEG 121 | | |
| **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** | bi-weekly conference calls on Wednesdays, 8am GMT, starting Wed Nov 1st. See dial-in data below;  Invite also distributed on gen-sys list | Room Size | n.a. |
| https://global.gotomeeting.com/join/396131077 |  | |

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| **Name** | **MPEG-21 User Description** | | |
| **Mandates** | 1. Solicit technologies for the new use cases | | |
| **Chairmen** | Bojan Joveski (bojanjoveski@gmail.com)  Sanghyun Joo (joo@mforus.com) | | |
| **Duration** | until 120th 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 120th MPEG meeting | Room Size | 15 |
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| **Name** | **AHG on Coded Representation of Neural Networks** | | |
| **Mandates** | 1. Identify use cases where distribution of NN is a requirement 2. Describe usage of NN in these use cases 3. Evaluate the state of the art of NN compression 4. Identify benefits of NN compression standardization 5. Derive requirements for efficient representation of NN | | |
| **Chairmen** | Werner Bailer (werner.bailer@joanneum.at)  Sungmoon Chun (smchun@insignal.co.kr) | | |
| **Duration** | until 121st MPEG Meeting | | |
| **Reflector(s)** | mpeg-nnr@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-nnr | | |
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| **Meeting** |  | Room Size |  |
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| **Name** | **AHG on CMAF** | | |
| **Mandates** | 1. Study DCOR1, AMD 1 and 2 and solicit further input on those. 2. Solicit further contributions on CMAF conformance and test vectors | | |
| **Chairmen** | Krasimir Kolarov; John Simmons; Cyril Concolato | | |
| **Duration** | until 121st meeting | | |
| **Reflector(s)** | mpeg-cmaf@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-cmaf | | |
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| **Meeting** |  | Room Size |  |
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| **Name** | **AHG on Font Format representation** | | |
| **Mandates** | 1. To study the text of the DIS of ISO/IEC 14496-22 OFF (4th edition) and submit proposed changes and clarifications | | |
| **Chairmen** | Vladimir Levantovsky | | |
| **Duration** | until 121th 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 File Formats** | | |
| **Mandates** | 1. Support groups using the file formats (including audio, DASH, CMAF, OMAF, MORE, MIAF et al.) 2. Study the Technologies under Consideration and Working Draft documents and propose improvements. Study the defect reports and propose corrigendum text. 3. Maintain and update the conformance streams, reference software, white papers and one-pagers, and registration authority, as needed. 4. Study the composition of sub-pictures and the association of metadata with the composition. 5. Study the WD on Interactivity support and propose improvements. 6. Study the signalling of SEI messages, required/present and specifically giving clarity about general SEIs such as user-data SEIs and propose mechanisms. 7. Study the signaling of aspects of the file format in MIME parameters (e.g. codecs) and propose solutions. 8. Study the file format aspects of OMAF. 9. Study content-sensitive encryption, the application of Common Encryption to Metadata items and the HEIF format, and multi-keys per sample/item. | | |
| **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** | none | Room Size | 0 |
| never |  | |

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| **Name** | **AHG on Application Formats** | | |
| **Mandates** | 1. Visual Identity Management AF    1. Study and improve WD    2. Solicit contributions 2. Multi-Image Application Format    1. Study and improve CD    2. Communicate with WG1 on HEIF and JPEG-XR in particular | | |
| **Chairmen** | Krasimir Kolarov, Youngkwon Lim | | |
| **Duration** | until 121st meeting | | |
| **Reflector(s)** | mpeg-maf-dev@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-maf-dev | | |
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| **Meeting** | (MiAF) Sunday prior to the 121st MPEG meeting (14:00-18:00) | Room Size | 20 |
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| **Name** | **AHG on Genomic Information Representation** | | |
| **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 N17143. 4. To contribute to the editing and to the revision of the CD of Part 1 and Part 2, and for the WD of Part 3 and Part 4. 5. To collect requirements for specifying the format of metadata to be included in Part 3 : MPEG-G metadata and APIs 6. To finalize the collection and definition of test item descriptions and bytestreams for Conformance testing | | |
| **Chairmen** | M. Golebiewsky (HITS), J. Delgado (UPC),  M. Mattavelli (EPFL) | | |
| **Duration** | Until next MPEG 121 | | |
| **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 |
| Saturday 10h to 18h and Sunday 10h to 18 prior the MPEG meeting |  | |

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| **Name** | **AHG on MPEG-I Audio and Audio Maintenance** | | |
| **Mandates** | 1. Execute Workplan for MPEG-I 6 DoF Audio 2. Workplan for 3D Audio Conformance 3. Maintain Audio-related conformance data 4. Maintain Audio-related reference software | | |
| **Chairmen** | Schuyler Quackenbush (ARL) srq at audioresearchlabs . com | | |
| **Duration** | Until 121st MPEG Meeting | | |
| **Reflector(s)** | mpeg-audio-call@audioresearchlabs.com | | |
| **Subscribe** | • To subscribe or unsubscribe 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 | | |
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| **Meeting** | GoToMeeting conference Nov 21 and Dec 19, 2017 1600-1800 hrs Germany  (1000 -1200 Eastern US, 0700-0900 Pacific US)  No F2F meeting | Room Size |  |
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| **Name** | **MPEG-I Visual Technologies** | | |
| **Mandates** | 1. Prepare a setup for evaluation of Omnidirectional 6DoF, Windowed 6DoF, and Dense LightField 2. Carry out exploration experiments for Windowed 6DoF 3. Carry out exploration experiments on Lightfield compression 4. Carry out exploration experiments for Omnidirectional 6DoF 5. Collect existing evidence of developments related to Lightfield devices | | |
| **Chairmen** | Jörn Ostermann (chair),Gauthier Lafruit, Masayuki Tanimoto, Krzysztof Wegner (co-chairs) | | |
| **Duration** | Until 121st meeting | | |
| **Reflector(s)** | mpeg-i-visual@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i-visual | | |
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| **Meeting** | 09:00-16:00  2018-01-21 | Room Size | 30 |
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| **Name** | **AHG on Network-Distributed Video Coding (NDVC)** | | |
| **Mandates** | 1. Solicit expression of interest from industry on the need for standardization of network distributed video coding 2. Review and develop the document on benefits of network-distributed video coding (N17059) 3. Study potential harmonization of the responses to the CfE 4. Study the use of side streams significantly smaller than the side streams used in the responses to the CfE | | |
| **Chairmen** | Rickard Sjöberg (Ericsson), Glenn Van Wallendael (Ghent University - imec), Xavier Ducloux (Harmonic) | | |
| **Duration** | Until MPEG 121 | | |
| **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 121th MPEG meeting (14:00-18:00) | Room Size | 15 |
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| **Name** | **Ad hoc Group for MPEG-I Hybrid Natural/Synthetic Scene data container** | | |
| **Mandates** | 1. Refine the requirements for MPEG-I hybrid natural/synthetic scene (HNSS) data container 2. Identify new and existing MPEG-I use cases that require the use of scene graph or container for MPEG-I. 3. Refine the draft call for proposals for MPEG-I HNSS container | | |
| **Chairmen** | Arianne Hinds | | |
| **Duration** | Until the 121st MPEG meeting | | |
| **Reflector(s)** | hnss-container@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/hnss-container | | |
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| **Meeting** | Saturday, 20 January 2018 1400 to 1800 | Room Size | 30 |
| teleconferences | to be announced on the reflector | |

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| **Name** | **AHG on Point Cloud Coding** | | |
| **Mandates** | 1. Produce the TMs during the editing period 2. Validate the TM software based on CTC 3. Conduct the PCC Core Experiments 4. Solicit additional data sets targeting high quality point clouds 5. Suggest editorial improvements of TMv0 | | |
| **Chairmen** | Ralf Schaefer (Chair), Phil Chou, Khaled Mammou (co-chairs) | | |
| **Duration** | Until 121st 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** |  | Room Size | 60 |
|  | January 21st 09h00-18h00 | |

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| **Name** | **AHG on IoMT** | | |
| **Mandates** | 1. Improve WD descriptions 2. Continue investigations on Media Things Token | | |
| **Chairmen** | Mihai Mitrea, Sang-Kyun Kim, Sungmoon Chun | | |
| **Duration** | Until 121st MPEG Meeting | | |
| **Reflector(s)** | MIoTW@lists.aau.at | | |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/options/MIoTW | | |
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| **Meeting** |  | Room Size | 20 |
|  | January 21st, 09h00-18h00 | |

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| **Name** | **AHG on Network-Based Media Processing (NBMP)** | | |
| **Mandates** | 1. Refine the requirements for NBMP 2. Refine the reference architecture for NBMP 3. Define a first list of major functions to be supported by NBMP 4. Finalize the use case and requirements for NBMP 5. Work on the draft Call for Proposals | | |
| **Chairmen** | Kyungmo Park (Samsung)  Rufael Mekuria (Unified Streaming Platform) | | |
| **Duration** | Until MPEG 121 | | |
| **Reflector(s)** | mpeg-nbmp@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-nbmp | | |
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| **Meeting** | Saturday before MPEG 121, 0900 to 1800 | Room Size | 30 |
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