**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 N16736**

**Hobart, AU – April 2017**

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| **Source:** | **Leonardo Chiariglione**  |
| **Title:** | **Ad hoc groups established at MPEG 118** |

**Ad hoc groups established at MPEG 118**

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| **Name** | **MPEG-21 User Description** |
| **Mandates** | 1. Solicit new use cases for UD extensions
2. Solicit technologies for the new use cases
3. Review the Working Draft 1.0
 |
| **Chairmen** | Bojan Joveski (bojanjoveski@gmail.com)Sanghyun Joo (joo@mforus.com) |
| **Duration** | until 119th MPEG meeting |
| **Reflector(s)** | user@lists.uni-klu.ac.at |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/listinfo/user |
|  |  |  |  |
| **Meeting** | Sunday before 119th MPEG meeting | Room Size | 15 |
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| **Name** | **AhG on Immersive Media Quality Evaluation** |
| **Mandates** | 1. Produce a document on VR QoE requirements.
2. Collect test material with immersive video and audio signals.
3. Study existing methods to assess human perception and reaction to VR stimuli.
4. Develop test methodology for immersive media, including simultaneous video and audio.
5. Study VR experience metrics and their measurability in VR services and devices
 |
| **Chairmen** | Arianne Hinds, Haoping Yu, Vittorio Baroncini |
| **Duration** | Until MPEG 119 |
| **Reflector(s)** | immersive-quality@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/immersive-quality |
|  |  |  |  |
| **Meeting** | 16 July 2017 (0900-1100) | Room Size | 20 |
| teleconferences | to be scheduled and announced on the reflector |

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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 test model CXM v1.1, and maintain the evaluation framework.
3. To perform and discuss CDVA Core Experiments, and analyse the results.
4. To study the relation of CDVA/CDVS with other parts of MPEG-7, in particular MDS
5. To promote the CDVA activities.
 |
| **Chairmen** | Werner Bailer, Miroslaw Bober, Lingyu Duan |
| **Duration** | until 119th 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 for the organization of the workshop: Processing of Genomic Information: From Standards to Deployment** |
| **Mandates** | - To coordinate with the Human Genetics Foundation- To identify and invite the speakers - To finalize the logistics- To finalize the program- To disseminate the information on the WS- To collect the registrations |
| **Chairmen** | Marco Mattavelli |
| **Duration** | Until MPEG 119 |
| **Reflector(s)** | genome\_compression@listes.epfl.ch |
| **Subscribe** | To subscribe, send email to genome\_compression-subscribe@listes.epfl.ch |
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| **Meeting** |  | Room Size |  |
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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 conduct the exploration experiments on ITM+ as listed in N16703 and assess the results.3. To solicit contributions for potential future extensions of IVC.4. To maintain the document of recording prior knowledge about technology brought into IVC and ITM+.5. To study the reference software and conformance test set, and report any misalignments with the preliminary text of FDIS 14496-33.6. To discuss related input documents in the AHG meeting. |
| **Chairmen** | Ronggang Wang, Euee S. Jang, K. Fan (co-chairs) |
| **Duration** | Until 119th 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** | Sunday prior to MPEG meeting | Room Size | 15 |
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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 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.
5. To prepare 23002-4:201x/PDAM1 VTL extensions for HEVC Main 10 Profile and parallel parser implementation.
 |
| **Chairmen** | Marco Mattavelli, Euee S. Jang |
| **Duration** | Until 119th meeting |
| **Reflector(s)** | rvc@listes.epfl.ch |
| **Subscribe** | To subscribe, send email to rvc-subscribe@listes.epfl.ch |
|  |  |  |  |
| **Meeting** | None | Room Size |  |
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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 N16759 based on the results of the answers to the Call for Proposals.
4. To contribute to WD editing for Part 1 and Part 2.
5. To collect requirements for specifying the format of metadata to be included in Part 3 : Genomic Information Representation APIs
 |
| **Chairmen** | Marco Mattavelli (EPFL)Martin Golebiewski (HITS gGmbH)Jaime Delgado (UPC) |
| **Duration** | Until MPEG 119 |
| **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 14h 19h and Sunday 10h to 18 prior the MPEG meeting |  |

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| **Name** | **AHG on Application Formats** |
| **Mandates** | 1. Visual Identity Management AF
	1. Study and improve uses cases and requirements
	2. Solicit contributions
2. Multi-Image Application Format
	1. Improve and extend requirements
	2. Develop use cases
 |
| **Chairmen** | Youngkwon Lim, Krasimir Kolarov |
| **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** |  | Room Size |  |
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| **Name** | **AHG on Omnidirectional MediA Format** |
| **Mandates** | 1. Study DIS and solicit industry comments on DIS
2. Conduct comparison experiments
3. Study projections under consideration and extension mechanisms for supporting user private projections
4. d. Study profiles under considerations
 |
| **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) Saturday and Sunday | Room Size | 40 |
| (OMAF) - 6/1 - 6/2 @ HHI, Berlin, DE (To be confirmed by 4/14)- Focus on review of DIS text and profiles under considerations(OMAF) conference calls on comparison experiments |  |

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| **Name** | **AHG on MPEG-I Visual Technologies** |
| **Mandates** | 1. Prepare a setup for evaluation of Omnidirectional 6DoF, Windowed 6DoF, and 6DoF
2. Collect test materials for Omnidirectional 6DoF, Windowed 6DoF and 6DoF
3. Carry out exploration experiments for Windowed 6DoF
4. Define exploration experiments for Omnidirectional 6DoF and 6DoF
5. Continue to solicit industry engagement
 |
| **Chairmen** | Jörn Ostermann (chair),Gauthier Lafruit, Masayuki Tanimoto, Krzysztof Wegner (co-chairs) |
| **Duration** | Until 119th meeting |
| **Reflector(s)** | mpeg-i-visual@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i-visual |
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| **Meeting** | Sunday prior to MPEG meeting | 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 |
| **Chairmen** | Xavier Ducloux (Harmonic)Cyril Bergeron (Thales) |
| **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 the 119th MPEG meeting | Room Size | 10 |
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| **Name** | **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
3. To refine the presentation for this workshop
4. To discuss and recommend future MP20 promotional activities
5. To prepare future workshops in the Netherlands, at IBC, and in Macao (co-located with MPEG 120), and Gwangju (MPEG 122)
 |
| **Chairmen** | José Alvarez (jose.roberto.alvarez@huawei.com)Rob Koenen (rob.koenen@tno.nl)Paul Higgs (paul.higgs@huawei.com)Gun Bang (Gbang@etri.re.kr) |
| **Duration** | Until MPEG 119 |
| **Reflector(s)** | mpegvision@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpegvision |
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| **Meeting** | none | Room Size |  |
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| **Name** | **AHG on MPEG-I Architectures** |
| **Mandates** | 1. Study Architectures for MPEG-I and propose updates to the draft of MPEG-I part 1
2. Study the acquisition of VR experience metrics
3. Study requirements for MPEG-I beyond phase 1a, focussing on phase 1b, and propose updates to the Requirements Document for MPEG-I part 2 (OMAF)
4. Study common metadata for MPEG-I media
 |
| **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 119 |
| **Reflector(s)** | mpeg-i@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i |
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| **Meeting** | Sunday before MPEG 119, 16-20 hours | Room Size | 50 |
| approximately 3 calls will be held |  |

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| **Name** | **AHG on MPEG MORE** |
| **Mandates** | 1. To edit the Study of CD as produced at MPEG 118
2. To edit the Draft Disposition of Comments and prepare a document that can be issued at MPEG 119
 |
| **Chairmen** | Jean-Claude Dufourd, Sejin Oh, Youngkwon Lim, Rob Koenen |
| **Duration** | Until MPEG 119 |
| **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 3D Audio and Audio in MPEG-I** |
| **Mandates** | 1. Execute Workplan on 3D Audio Conformance
2. Refine problem statements and evaluation procedures for Audio in MPEG-I
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 119th meeting |
| **Reflector(s)** | mpeg-audio-call@audioresearchlabs.com |
| **Subscribe** | • To subscribe or unsubscribe to the list, send email tothe AhG Chair or go to http://www.audioresearchlabs.com/mailman/listinfo/mpeg-audio-call\_audioresearchlabs.com |
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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. Study technologies under considerations (N16855)
3. Conduct core experiment and conference calls according to N16854
4. Continue to work on conformance and reference software.
5. Gap analysis between the current conformance software and 3rd edition
 |
| **Chairmen** | Iraj Sodagar (Microsoft), Youngkwon Lim (Samsung) |
| **Duration** | Until MPEG 119th meeting |
| **Reflector(s)** | dash@lists.aau.at |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/dash |
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| **Meeting** | No 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 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 composition of sub-pictures and the association of metadata with the composition.
4. Study the WD on partial file storage, and propose improvements
5. Study the Technologies under Consideration and Working Draft documents and propose improvements.
6. Study the signalling of SEI messages and propose mechanisms.
7. Study the defect reports and propose corrigendum text.
8. Maintain and update the conformance streams, reference software, white papers and one-pagers, and registration authority, as needed.
9. Study the Interactivity support in N16795 and propose a way ahead.
10. Study the amendment of Sample Variants, enhancing it for multiple encryption and adapting it to MPEG-2 Transport.
 |
| **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 Common Media Application Format (CMAF)** |
| **Mandates** | 1. Study of DAM1 and solicit further input on this item.
2. Solicit contributions on CMAF conformance and test vectors
3. Study CMAF FDIS, OMAF DIS and DASH 3rd edition, identify misalignments and incompatibilities, and propose possible solutions.
4. Examine the applicability of CMAF specification for introducing new media profile (such as OMAF) and propose additional guidelines if needed.
 |
| **Chairmen** | Krasimir Kolarov; Iraj Sodagar; Cyril Concolato |
| **Duration** | until 119th 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 Network-Distributed Video Coding (NDVC)** |
| **Mandates** | 1. Review and develop requirements and use cases for the current draft requirements document for network-distributed video coding (NDVC) and network-distributed media processing.
2. Develop the draft text for a potential call for proposals for guided transcoding
	1. Assess the benefits of guided transcoding compared to simulcast and transcoding using full video re-encode
	2. Review the current draft text and list suggestions for improvements
	3. Solicit input contribution on test material and evaluation methods
3. Solicit input contributions on additional use cases covering:
	1. new possible applications for media processing in relation to NDVC and providing evidence of benefits
	2. media processing functions in future network architecture (edge computing, virtualized networks, NFV, SDN)
	3. estimation of 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 119 |
| **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 119th MPEG meeting (09:00-18:00) | Room Size | 25 |
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| **Name** | **MPEG Media Transport (MMT)** |
| **Mandates** | 1. Work on core experiments
2. Study mapping of CMAF to MMT Transport
3. Execute work plan on the conformance and reference software
4. Study CDN Support in MMT
5. Study working drafts and the documents related to MMT under ballot
6. Keep relevant SDOs informed about MMT (ARIB, 3GPP, ATSC, etc.)
 |
| **Chairmen** | Imed Bouazizi |
| **Duration** | Until MPEG meeting #119 |
| **Reflector(s)** | mmt@tnt.uni-hannover.de |
| **Subscribe** | mmt-subscribe@tnt.uni-hannover.de |
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| **Meeting** | Saturday before the meeting | Room Size | 30 |
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| **Name** | **AHG on MPEG-V** |
| **Mandates** | 1. Coordinate the joint activities with MORE contributors related to the MPEG-V profile for MORE2. Define the roles of individual parts and re-write Introductions and Scopes of the MPEG-V parts. |
| **Chairmen** | Sang-Kyun Kim, Marius Preda |
| **Duration** | Until 119th MPEG Meeting |
| **Reflector(s)** | metaverse@lists.aau.at |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/metaverse |
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| **Meeting** | Before weekend prior to MPEG | Room Size | Place /Date/Logistics April 21st in Seoul (14h00 – 18h00). Remote connection will be possible as well. |
| During weekend prior to MPEG | 20 people, July 16th, 16h00-18h00 |

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| **Name** | **AHG on IoMT & W** |
| **Mandates** | 1. Coordinate the Core Experiment activities
 |
| **Chairmen** | Mihai Mitrea, Sang-Kyun Kim, Sungmoon Chun |
| **Duration** | Until 119th 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 |
| Place /Date/Logistics | July 16th, 09h00-16h00 |

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| **Name** | **AHG on Point Cloud Coding** |
| **Mandates** | 1. Crosscheck and confirm the anchors, objective evaluation results, renderer commands
2. Finalize the CfP within the editing period and disseminate it.
3. 3. Prepare the dry run for subjective evaluation in Torino
 |
| **Chairmen** | Rufael Mekuria (USP), Christian Tulvan (Institut Mines Telecom), Ralf Schaefer (Technicolor) |
| **Duration** | Until 119th 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 | Room Size | 40 |
|  | July 16th 09h00-18h00 |

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| **Name** | **AHG on Font Format representation** |
| **Mandates** | 1. To study the text of the Committee Draft of ISO/IEC 14496-22 OFF (4th edition) and submit proposed changes and clarifications |
| **Chairmen** | Vladimir Levantovsky |
| **Duration** | until 120th 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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