**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 N16361**

**Chengdu, China – October 2016**

|  |  |
| --- | --- |
| **Source:** | **Leonardo Chiariglione** |
| **Title:** | **Ad hoc groups established at MPEG 116** |

**Ad hoc groups established at MPEG 116**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **MPEG-21 User Description** | | |
| **Mandates** | 1. Prepare resolving national body comments for MPEG-21 UD DAM1 2. Solicit new use cases for the use of MPEG-21 UD 3. Solicit new requirements for MPEG-21 UD 4. Solicit usage of Reference Software for verification of MPEG-21 UD standard | | |
| **Chairmen** | Bojan Joveski (bojanjoveski@gmail.com)  Sanghyun Joo (joo1631@gmail.com) | | |
| **Duration** | until the 117th MPEG meeting | | |
| **Reflector(s)** | user@lists.uni-klu.ac.at | | |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/listinfo/user | | |
|  |  |  |  |
| **Meeting** | weekend before 117th MPEG meeting | Room Size | 25 |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on 3D Audio and Audio Maintenance** | | |
| **Mandates** | 1. Review MPEG-H 3D Audio Second Edition text and submit comments/corrections to editor prior to December 11, 2016. 2. Execute Workplan on 3D Audio Verification Test 3. Review and revise description of possible MPEG-D DRC profiles. 4. Maintain Audio-related conformance data 5. 5. Maintain Audio-related reference software | | |
| **Chairmen** | Schuyler Quackenbush (ARL) srq at audioresearchlabs . com | | |
| **Duration** | Until 117th MPEG Meeting | | |
| **Reflector(s)** | mpeg-audio-call@audioresearchlabs.com | | |
| **Subscribe** | Send email to Chair | | |
|  |  |  |  |
| **Meeting** | None | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **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 create and maintain the test model CXM v1.0.  4. To perform and discuss CDVA Core Experiments, and analyse the results.  5. To promote the CDVA activities. | | |
| **Chairmen** | Werner Bailer, Miroslaw Bober, Lingyu Duan | | |
| **Duration** | until 117th 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, 2017-01-15  (\*Joint with MPEG-7 Visual and CDVS) | Room Size | 25 |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **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 117th 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, 2017-01-15  (\*Joint with CDVA) | Room Size | 25 |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **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 WD and solicit industry comments on WD    2. Conduct verification experiments    3. Solicit technical contributions to improve WD    4. Study extension mechanisms for supporting user private projections 4. Visual Identity Management AF    1. Study and improve uses cases and requirements 5. b. Solicit contributions | | |
| **Chairmen** | Youngkwon Lim, Ye-Kui Wang | | |
| **Duration** | until 117th MPEG meeting | | |
| **Reflector(s)** | mpeg-maf-dev@lists.aau.at | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/mpeg-maf-dev | | |
| **Meeting** | (OMAF) 17/01/13 - 17/01/14 | Room Size | 40 |
| (OMAF) conference calls on verification experiments |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on Immersive Media** | | |
| **Mandates** | 1. To draft the outline of a Technical Report on Immersive Media  2. To start collecting use cases and develop requirements for Video, Audio and System components of Immersive Media  3. To prepare a public statement about the new Project | | |
| **Chairmen** | Thomas Stockhammer (Qualcomm Incorporated), Jaeyeon Song (Samsung), Rob Koenen (TNO) | | |
| **Duration** | until 117th MPEG meeting | | |
| **Reflector(s)** | mpeg-i@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i | | |
|  |  |  |  |
| **Meeting** | Yes | Room Size | 80 |
| 1. Sunday prior to MPEG meeting, 2017-01-15 (4pm to 7pm)  2. Monthly conference calls in November and December (to be announced on reflector) |  | |

|  |  |  |
| --- | --- | --- |
| **Name** | **AHG on Media Orchestration** | |
| **Mandates** | 1. To complete editing of WD until suitable for external publication.  2. To continue discussion on WD to resolve outstanding comments and prepare the document for promotion to CD status  3. To further develop the Object Model for Media Orchestration  4. To coordinate on the MPEG standards referenced in MORE | |
| **Chairmen** | Rob Koenen, Jean-Claude Dufourd, Sejin Oh, Youngkwon Lim | |
| **Duration** | Until MPEG 117 | |
| **Reflector(s)** | gen-sys@lists.uni-klu.ac.at | |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/listinfo/gen-sys | |
|  |  |  |
| **Meeting** | Phone conferences to be announced on mailing list, and a ace-to-face meeting on Saturday and Sunday prior to MPEG | Room Size 20 |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Name** | **MP20 Roadmap** | |
| **Mandates** | 1. To review and improve the MP20 Standardisation Roadmap  2. To prepare a roadmap workshop to be held in Geneva, co-located with MPEG 117  3. To explore options for an MP20 session to be held at the Mobile World Congress in Barcelona, in the week of 27 Feb 17. | |
| **Chairmen** | José Alvarez (jose.roberto.alvarez@huawei.com), Jaime Delgado, Rob Koenen (rob.koenen@tno.nl) | |
| **Duration** | Until MPEG 117 | |
| **Reflector(s)** | mpegvision@lists.aau.at | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpegvision | |
|  |  |  |
| **Meeting** | No meeting | Room Size |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on MPEG-DASH** | | |
| **Mandates** | 1. Collaborate with relevant SDOs  2. Study technologies under considerations (N16465)  3. Conduct core experiment and conference calls according to N16466  4. Study the DASH specs under ballot  5. Study of DuI and recommend the result for each item.  6. Continue to work on conformance and reference software.  7. Develop solutions for DASH delivery of advanced 360 media  8. Develop technical report for delivery of CMAF content by DASH | | |
| **Chairmen** | Iraj Sodagar (Microsoft), Youngkwon Lim (Samsung) | | |
| **Duration** | until 117th meeting | | |
| **Reflector(s)** | dash@lists.aau.at | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/dash | | |
|  |  |  |  |
| **Meeting** | No meeting | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on Common Media AF** | | |
| **Mandates** | 1. Study DIS and solicit contributions to improve it.  2. Continue investigating the alignment between CMAF and DASH  3. Solicit contributions on CMAF conformance and test vectors | | |
| **Chairmen** | Krasimir Kolarov; Iraj Sodagar; Cyril Concolato | | |
| **Duration** | until 117th meeting | | |
| **Reflector(s)** | mpeg-cmaf@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-cmaf | | |
|  |  |  |  |
| **Meeting** | Sunday before the 117th MPEG meeting  Agenda: Walkthrough over DIS. | Room Size | 50 |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on Green MPEG** | | |
| **Mandates** | 1. Solicit contributions on complexity metrics for AVC and HEVC  2. Study and contribute to ISO/IEC 23001-11 AMD 2 - Conformance and reference software | | |
| **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) | | |
|  |  |  |  |
| **Meeting** | Weekend prior to MPEG meeting | Room Size | 10 |
| Sunday |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on MPEG Media Transport** | | |
| **Mandates** | 1. Conduct core experiments  2. Execute work plan on the conformance and reference software  3. Study working drafts and the documents related to MMT under ballot  4. Study mapping of CMAF to MMT Transport  5. Keep relevant SDOs be informed about MMT (ARIB, 3GPP, ATSC, etc.) | | |
| **Chairmen** | Imed Bouazizi | | |
| **Duration** | Until 117th meeting | | |
| **Reflector(s)** | mmt-tnt@listserv.uni-hannover.de | | |
| **Subscribe** | mmt-tnt-request@lsitserv.uni-hannover.de | | |
|  |  |  |  |
| **Meeting** | Saturday prior to meeting | Room Size | 40 |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on Light Field Compression** | | |
| **Mandates** | 1. Disseminate call for light field test material and prepare for collection of content  2. Prepare to conduct viewing of test material at the next meeting  3. Develop a plan including architectures for experiments to be conducted based on types of test materials collected, and goals to support 6 DoF  4. Continue to solicit industry engagement | | |
| **Chairmen** | Arianne Hinds (CableLabs), Gauthier LaFruit (University of Brussels), Didier Doyen (Technicolor) | | |
| **Duration** | Until the start of the 117th MPEG meeting | | |
| **Reflector(s)** | lightfield@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/lightfield | | |
|  |  |  |  |
| **Meeting** | Sunday prior to MPEG 117 14:00 to 18:00 | Room Size | 50 |
|  | Monthly teleconferences to be determined and announced on light field reflector | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on network-distributed video coding (NDVC)** | | |
| **Mandates** | 1. Develop requirements for network-distributed video coding (NDVC). 2. Solicit input contributions related to the NDVC exploratory evaluation framework (scripts, configuration settings, metrics). 3. Solicit input contributions providing results for NDVC using the exploratory evaluation framework. 4. Explore the role of pre-processing and post-processing in relation to NDVC. 5. 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. 6. 6. 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 video coding. | | |
| **Chairmen** | Jonatan Samuelsson  Xavier Ducloux | | |
| **Duration** | until 117th MPEG meeting | | |
| **Reflector(s)** | mpeg-ndvc@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-ndvc | | |
|  |  |  |  |
| **Meeting** | Sunday prior to MPEG meeting | Room Size | 25 |
| 14:00 | 18:00 | |

|  |  |  |  |
| --- | --- | --- | --- |
| **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 conduct the exploration experiments 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 assess the licensing situation of the current specification. 5. To improve the reference software and conformance test set. 6. 6. To discuss related input documents in the AHG meeting. | | |
| **Chairmen** | Ronggang Wang, Euee S. Jang, K. Fan (co-chairs) | | |
| **Duration** | until 117th 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 | | |
|  |  |  |  |
| **Meeting** | Yes | Room Size | 20 |
| Sunday prior to the MPEG meeting |  | |

|  |  |  |
| --- | --- | --- |
| **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 | |
|  |  |  |
| **Meeting** |  | Room Size |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **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** | Sang-Kyun Kim, Marius Preda | | |
| **Duration** | Until 117th 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 |
| Before weekend prior to MPEG | October 16th, 16h00-18h00 | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on Point Cloud Compression** | | |
| **Mandates** | 1. Finalize data selection for final CfP including de-noising 2. Generate anchors for selected data sets 3. Validate, assess and refine the objective evaluation metrics (D1 and D2) 4. Prepare the renderer and incorporate it in the ExperimentalSoftware 5. Confirm the subjective evaluation procedure by using the generated anchors 6. 6. Finalize the test conditions and constraints per test category | | |
| **Chairmen** | Zhu Li (Univ of Missouri), Rufael Mekuria (USP), Christian Tulvan (Institut Mines Telecom), Sebastien Lasserre (Technicolor) | | |
| **Duration** | Until 117th 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 | 40 |
| Before weekend prior to MPEG | January 15th 09h00-18h00 | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on FTV (Free-viewpoint Television)** | | |
| **Mandates** | 1. Refine and update evaluation framework for SMV, FN and 360 3D video application scenarios. 2. Collect new high quality test materials (SMV, FN, 360 3D video). 3. Collect and improve reference software for FTV applications. 4. 4. Carry out Exploration Experiments on 360 3D video with motion parallax. | | |
| **Chairmen** | Masayuki Tanimoto (chair), Krzysztof Wegner, Gauthier Lafruit (co-chairs) | | |
| **Duration** | until 117th MPEG meeting | | |
| **Reflector(s)** | ftv@lists.aau.at | | |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/listinfo/ftv | | |
|  |  |  |  |
| **Meeting** | 9:00-13:00, 15 January 2017 (Sunday prior to MPEG meeting) | Room Size | 35 + viewing room |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on IoMT & W** | | |
| **Mandates** | 1. Continue to collect use cases for IoMT & W  2. Promote the CfP to key organizations in IoT and Wearables | | |
| **Chairmen** | Mihai Mitrea, Sang-Kyun Kim, Sungmoon Chun, Kate Grant | | |
| **Duration** | Until 117th MPEG Meeting | | |
| **Reflector(s)** | MIoTW@lists.aau.at | | |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/options/MIoTW | | |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  | |

|  |  |  |
| --- | --- | --- |
| **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 (for OMAF) and the MORE work. 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 Working Draft documents and propose improvements. 6. Study the carriage of still pictures and image sequences in the file format, particularly the amendment. 7. Study the signalling of SEI messages and propose mechanisms. 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 | |
|  |  |  |
| **Meeting** |  | Room Size |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **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 (N16527). 3. To carry out the core experiments described in document N16526 based on the results of the answers to the Call for Proposals. 4. To analyze genome information applications and identify new requirements related to file format definition and compression technology. 5. 5. To further validate and possibly extend the benchmark framework for lossy compression of sequencing quality values defined in N16525 and the identified metrics. | | |
| **Chairmen** | Marco Mattavelli (EPFL)  Martin Golebiewski (HITS gGmbH)  Jaime Delgado (UPC) | | |
| **Duration** | Until MPEG 117 | | |
| **Reflector(s)** | genome\_compression@listes.epfl.ch | | |
| **Subscribe** | To subscribe, send email to genome\_compression-subscribe@listes.epfl.ch | | |
|  |  |  |  |
| **Meeting** | 10:00-18:00, 15 January 2017 (Sunday prior to MPEG meeting) | Room Size | 25 |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG Font Format representation** | | |
| **Mandates** | 1. To study the text of ISO/IEC 14496-22:2015/DAM2.  2. To study the text of the Working Draft of ISO/IEC 14496-22 OFF (4th edition) and submit proposed changes and clarifications | | |
| **Chairmen** | Vladimir Levantovsky | | |
| **Duration** | until 117th MPEG meeting | | |
| **Reflector(s)** | mpeg - OTspec @ yahoogroups . com [remove spaces] | | |
| **Subscribe** | http:// groups . yahoo.com / group / mpeg-OTspec / join [remove spaces] | | |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  | |