**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 N17481**

**San Diego, USA – April 2018**

|  |  |
| --- | --- |
| **Source:** | **Leonardo Chiariglione**  |
| **Title:** | **Ad hoc groups established at MPEG 122** |

**Ad hoc groups established at MPEG 122**

|  |  |
| --- | --- |
| **Name** | **AHG on User Description** |
| **Mandates** | 1) Solicit further contributions related to privacy protection |
| **Chairmen** | Bojan Joveski, Sanghyun Joo |
| **Duration** | Until 123 MPEG meeting |
| **Reflector(s)** | user@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/user |
|  |  |  |  |
| **Meeting** | Sunday before 123 MPEG | Room Size | 15 |
|  |  |
| **Name** | **AHG on MPEG-DASH** |
| **Mandates** | 1. Collaborate with relevant SDOs
2. Solicit input on ISO/IEC 23009-1 Amd. 5 WD (N17557)
3. Study technologies under consideration (N17558)
4. Solicit inputs for ISO/IEC 23009-3 3rd edition and ISO/IEC 23009-7 WD
5. Solicit contributions on a scripting tool for generating flexible profile signaling to support ISO/IEC 23009-1 Amd. 5
6. Continue to work on conformance and reference software
 |
| **Chairmen** | Iraj Sodagar, Christian Timmerer, Ali C. Begen |
| **Duration** | Until 123 MPEG meeting |
| **Reflector(s)** | dash@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/dash |
|  |  |  |
| **Meeting** |  | Room Size |
|  |  |
| **ame** | **AHG on Compressed Representation of Neural Networks** |
| **Mandates** | 1. Refine use cases and requirements, and prepare the CfP
2. Continue analyzing the state of the art in NN compression and exchange formats
3. Collect test data
4. Develop the evaluation framework further
5. Reach out to AI/ML community
 |
| **Chairmen** | Werner Bailer (werner.bailer@joanneum.at)Sungmoon Chun (smchun@insignal.co.kr) |
| **Duration** | until 123rd MPEG Meeting |
| **Reflector(s)** | mpeg-nnr@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-nnr |
|  |  |  |  |
| **Meeting** | Sunday prior to 123rd meeting (9:00-13:00) | Room Size | 30 |
|  |  |
| **Name** | **AHG on Compact Descriptors for Video Analysis (CDVA)** |
| **Mandates** | 1. To maintain the data set, the test model CXM 5 and the evaluation software.
2. To improve conformance and reference software.
3. To complete CDVA Core Experiments, and analyse the results.
4. To promote CDVA to the industry.
 |
| **Chairmen** | Werner Bailer, Lingyu Duan |
| **Duration** | until 123rd 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, 14.00-17.00 | Room Size | 10 |
|  |  |
| **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 discuss and organize an MPEG contribution to the GA4GH October meeting.
3. To discuss and coordinate a collaboration with GATK development team to support MPEG-G as native format.
4. To discuss and coordinate MPEG contributions to relevant bioinformatic conferences and events.
5. To contribute to the editing and to the revision of the DIS of Part 1 and Part 2, CD and DIS of Part 3 and for the CD of Part 4.
6. To finalize the collection and definition of test item descriptions and binary streams for Conformance testing
7. To identify work items for MPEG-G Version 2
8. To explore the possibility of organizing a WS on MPEG-G after the 124 MPEG meeting
 |
| **Chairmen** | M. Golebiewsky (HITS), J. Delgado (UPC), M. Mattavelli (EPFL) |
| **Duration** | Until MPEG 123 |
| **Reflector(s)** | genome\_compression@listes.epfl.ch |
| **Subscribe** | To subscribe, send email to genome\_compression-subscribe@listes.epfl.ch |
|  |  |  |
| **Meeting** | Yes | Room Size |
| Saturday and Sunday before the 123 MPEG |  |
| **Name** | **MPEG-I Visual Technologies** |
| **Mandates** | 1. Call for test materials for 3DoF+ and 6DoF
2. Define and verify common test conditions of 3DoF+ and Windowed 6DoF
3. Develop reference software and configurations for 3DoF+ and 6DoF
4. Carry out exploration experiments on Windowed 6DoF and Omnidirectional 6DoF
5. Carry out exploration experiments on compression of dense representation of light field
 |
| **Chairmen** | Lu Yu (chair), Gauthier Lafruit, Krzysztof Wegner, Joel Jung, Bart Kroon (co-chairs) |
| **Duration** | Until 123rd meeting |
| **Reflector(s)** | mpeg-i-visual@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i-visual |
|  |  |  |  |
| **Meeting** | Sunday 09:00-18:00 | Room Size | 30 |
| Phone call meeting on May 9, Jun.1 and Jun. 22 |  |
| **Name** | **AHG on Network-based Media Processing (NBMP)** |
| **Mandates** | 1. Solicit expression of interest from industry on the need for standardization of NBMP
2. Review the response of CfP and develop the document on a report of NBMP response
3. Study potential harmonization of the responses to the Call for Proposal
 |
| **Chairmen** | Kyungmo Park (SK Telecom)Rufael Mekuria (Unified Streaming Platform) |
| **Duration** | Until MPEG 123 |
| **Reflector(s)** | mpeg-nbmp@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-nbmp |
|  |  |  |  |
| **Meeting** | Saturday before MPEG 123, 0900 to 1800 | Room Size | 40 |
|  |  |
| **Name** | **AHG on Common Media Application Format** |
| **Mandates** | 1. Study DuI and TuC and solicit further input and feedback on it.
2. Study the Exploration document and provide feedback
3. Solicit further contributions on CMAF conformance and test vectors
 |
| **Chairmen** | Krasimir Kolarov; John Simmons; Cyril Concolato |
| **Duration** | until 123rd meeting |
| **Reflector(s)** | mpeg-cmaf@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-cmaf |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  |
| **Name** | **AHG on Application Formats** |
| **Mandates** | 1. Multi-Image Application Format
2. Study and improve DIS
3. Continue communication with WG1 on HEIF and JPEG-XR in particular
4. Visual Identity Management Application Format
5. Study CD and solicit contributions to improve it.
6. Contribute to the development of content sensitive encryption specification
 |
| **Chairmen** | Krasimir Kolarov, Youngkwon Lim |
| **Duration** | until 123rd meeting |
| **Reflector(s)** | mpeg-maf-dev@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-maf-dev |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  |
| **Name** | **AHG on OMAF** |
| **Mandates** | 1. Study the WD of OMAFv2 and solicit technical contributions for improvements per MPEG-I phase 1b requirements
2. Study the output documents on Parts 6 and 7 of MPEG-I and solicit contributions to improve them
3. Study potential improvements on viewport-dependent streaming
	1. To provide a description of how late binding viewport-adaptive streaming works
	2. To analyze if, how, and how efficiently the viewport-dependent OMAF profile can support late binding
	3. Based on the gap and efficiency analysis, to solicit, provide and analyze contributions on improvements (possibly amending e.g. ISOBMFF, OMAF, DASH, CMAF)
4. Start to investigate systems support for 6DOF
5. Develop plans on OMAFv1 reference software and conformance and solicit contributions
6. Study the test framework for OMAF and solicit contributions
7. Collaborate with relevant SDOs, e.g. VRIF
 |
| **Chairmen** | Ye-Kui Wang, Sachin Deshpande, Rob Koenen, Youngkwon Lim |
| **Duration** | until 123rd MPEG meeting |
| **Reflector(s)** | mpeg-maf-dev@lists.aau.at |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/mpeg-maf-dev |
|  |  |
| **Meeting** | Yes |
| 1. June 7-8, 2018, Tampere, Finland, 9:00-20:00  Agenda: sub-picture tracks, multiple viewpoints, and overlay, with remote participation provisioning.  - submission deadline: 23:59 CEST, Friday June 1, 2018.2. Saturday July 14, 2018. Submission deadline: 23:59 CEST, Friday July 6, 2018. |
| **Name** | **AHG on Scene Description for MPEG-I** |
| **Mandates** | 1. Document examples of existing external scene descriptions that may fulfill our use cases (N17683) and draft requirements (N17537)
2. Refine the requirements in N17537 based on the findings in mandate 1
3. Identify relevant MPEG standardization aspects based on the above two findings
 |
| **Chairmen** | Imed BouaziziThomas Stockhammer |
| **Duration** | Until MPEG Meeting #123 |
| **Reflector(s)** | mpeg-i@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i |
|  |  |  |
| **Meeting** | Sunday before the meeting | Room Size |
| 14:00-18:00 |  |
| **Name** | **AhG on Point Cloud Coding** |
| **Mandates** | 1. Produce second versions of WDC13 and WDC2
2. Update the TMs (SW and documentation) during the editing period
3. Update the CTC and provide validated anchor points
4. Conduct the PCC Core Experiments
5. Update pc\_error tool to handle neighbor selection ambiguity in color metrics
6. Provide recommendation for interfaces for PCC codec
7. Solicit additional data sets for all categories
8. Coordinate scientific and technical dissemination on PCC
9. Recommend better naming for PCC variants
 |
| **Chairmen** | Ralf Schaefer (Chair), Phil Chou, Khaled Mammou |
| **Duration** | Until 123rd 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** | Sunday before the MPEG meeting | Room Size | 70 |
|  | 9h00-20h00 |
| **Name** | **AHG on MMT** |
| **Mandates** | 1. Execute work plan on the conformance
2. Study working drafts and the documents related to MMT under ballot
3. Study on ISO/IEC 23008-1 AMD 3 and WD of Implementation Guidelines 3rd edition and solicit contributions to improve them
4. Keep relevant SDOs informed about MMT (ITU-T SG 16, ARIB, 3GPP, ATSC, etc.)
 |
| **Chairmen** | Imed Bouazizi |
| **Duration** | Until MPEG #123 |
| **Reflector(s)** | MMT-TNT@listserv.uni-hannover.de |
| **Subscribe** | MMT-TNT-request@LISTSERV.UNI-HANNOVER.DE |
|  |  |  |
| **Meeting** | Sunday | Room Size |
| 09:00-13:00 |  |
| **Name** | **AhG on IoMT** |
| **Mandates** | 1. Analyse the CDs and recommend further improvements |
| **Chairmen** | Mihai Mitrea, Sang-Kyun Kim, Sungmoon Chun |
| **Duration** | Until 122nd MPEG Meeting |
| **Reflector(s)** | MIoTW@lists.aau.at |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/options/MIoTW |
|  |  |  |  |
| **Meeting** | Sunday before the MPEG meeting  | Room Size | 20 |
| 14h00 to 18h00 |  |
| **Name** | **AHG on MPEG MORE** |
| **Mandates** | 1. To work on Reference SW, Test Vectors and Conformance for MPEG MORE2. To define an XML syntax for Correlation Timestamps |
| **Chairmen** | Jean-Claude Dufourd, Sejin Oh, Youngkwon Lim, Rob Koenen |
| **Duration** | Until MPEG 123 |
| **Reflector(s)** | gen-sys@lists.uni-klu.ac.at |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/listinfo/gen-sys |
|  |  |  |
| **Meeting** | bi-weekly conference calls on Wednesdays, 8am GMT. See dial-in data below;Invite also distributed on gen-sys list.https://global.gotomeeting.com/join/396131077You can also dial in using your phone.Access Code: 396-131-077Australia: +61 2 8355 1038Austria: +43 1 2530 22500Belgium: +32 28 93 7002Canada: +1 (647) 497-9376Denmark: +45 32 72 03 69Finland: +358 923 17 0556France: +33 170 950 590Germany: +49 692 5736 7300Ireland: +353 15 360 756Italy: +39 0 230 57 81 80Netherlands: +31 207 941 375New Zealand: +64 9 913 2226Norway: +47 21 93 37 37Spain: +34 932 75 1230Sweden: +46 853 527 818Switzerland: +41 225 4599 60United Kingdom: +44 330 221 0097United States: +1 (786) 535-3119 | Room Size |
|  |  |
| **Name** | **AHG on MPEG Roadmap** |
| **Mandates** | 1. To review and improve the MPEG Standardisation Roadmap (presentation and document)2. To discuss and prepare promotional activities, including at IBC and SMPTE Fall |
| **Chairmen** | Rob Koenen (rob.koenen@tno.nl) |
| **Duration** | Until MPEG 123 |
| **Reflector(s)** | mpegvision@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpegvision |
|  |  |  |  |
| **Meeting** | No meeting | Room Size |  |
|  |  |
| **Name** | **AHG on System technologies for Point Cloud Coding** |
| **Mandates** | 1) Study ideas and open issues in N176752) Enable separate output of the components of a compressed point cloud3) Identify and document static and dynamic metadata and define appropriate signaling of these4) Work on profile definitions for compressed point clouds5) Develop a similar solution considered for TMC2 to address the needs of TMC13 as well |
| **Chairmen** | Youngkwon LimSebastian Schwarz |
| **Duration** | Until MPEG meeting #123 |
| **Reflector(s)** | mpeg-3dgc@gti.ssr.upm.es and mp4-sys@lists.aau.at (messages should be sent to both reflectors) |
| **Subscribe** |  |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  |
| **Name** | **AHG on MPEG-I Architectures** |
| **Mandates** | 1. To refine and verify the architecture(s) for Immersive Services (N17510)
2. To integrate audio interactivity, delivery and rendering into the architectures in N17510
3. To further develop MPEG-I phase 2 requirements (N17513),
4. To refine the integrated project plan for MPEG-I
 |
| **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 123 |
| **Reflector(s)** | mpeg-i@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i |
|  |  |  |  |
| **Meeting** | Sunday Morning prior to MPEG 123 | Room Size | 60 |
|  |  |
| **Name** | **AHG on Font Format** |
| **Mandates** | 1. To evaluate current implementations of the color font solutions, identify weaknesses (if any) and explore ways to improve interoperability of existing implementations
2. To evaluate the feature set required for support of SVG glyphs, and propose a way forward to reduce implementation complexity and improve adoption of the color fonts technology.
 |
| **Chairmen** | Vladimir Levantovsky |
| **Duration** | until 123rd WG11 meeting |
| **Reflector(s)** | mpeg - OTspec @ yahoogroups . com [remove spaces] |
| **Subscribe** | http:// groups . yahoo.com / group / mpeg-OTspec / join [remove spaces] |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  |
| **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 space efficiency of movie fragments and propose compactness improvements, including building a collection of files using sample groups, dependency flags etc.
5. Study the composition of sub-pictures and the association of metadata with the composition.
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 support for the carriage of uncompressed audio and video.
 |
| **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** | none | Room Size | 0 |
| never |  |
| **Name** | **AHG on Potential New Video Coding Standardisation** |
| **Mandates** | 1. Collect information on potential industry needs for potential new video coding
2. Review and improve N17539, draft requirements for potential new video coding
3. Solicit contributions that provide evidence of one or more solutions to the draft requirements
4. Analyze AVC to provide a worked example of a set of functionalities
5. Review and improve N17538, draft requirements for low-complexity video coding
6. Prepare a set of test conditions that could be used to provide evidence of one or more solutions to latter draft requirements
 |
| **Chairmen** | Ken McCann, Simone Ferrara |
| **Duration** | Until next MPEG meeting |
| **Reflector(s)** | vcexp@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/vcexp |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
| None |  |