**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 N17297**

**Gwangju, KR – January 2018**

|  |  |
| --- | --- |
| **Source:** | **Leonardo Chiariglione**  |
| **Title:** | **Ad hoc groups established at MPEG 121** |

**Ad hoc groups established at MPEG 121**

|  |  |
| --- | --- |
| **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 N17324.
4. To contribute to the editing and to the revision of the CD of Part 1 and Part 2, Part 3 and for the WD of Part 4.
5. To finalize the collection and definition of test item descriptions and binary streams for Conformance testing
6. To identify work items for MPEG-G Version 2
7. To finalize the organization of the WS on MPEG-G and genomic data processing on the 18th of April in San Diego
 |
| **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 |
|  |  |  |  |
| **Meeting** | Yes | Room Size | 20 |
| Saturday 10h to 18h and Sunday 10h to 18 prior the MPEG meeting |  |

|  |  |
| --- | --- |
| **Name** | **AHG on User Description** |
| **Mandates** | 1. Refine the working draft
2. Solicit new use cases and their technologies
3. Prepare a second edition of MPEG-21 UD
4. Refine the reference software
 |
| **Chairmen** | Bojan Joveski, Sanghyun Joo |
| **Duration** | Until 122 MPEG meeting |
| **Reflector(s)** | user@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/user |
|  |  |  |  |
| **Meeting** | Sunday before 122 MPEG meeting | Room Size | 20 |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on MPEG MORE** |
| **Mandates** | 1. To work on Reference SW, Test Vectors and Conformance for MPEG MORE
2. To define an XML syntax for Correlation Timestamps
3. To further prepare AMD1 of MORE
 |
| **Chairmen** | Jean-Claude Dufourd, Sejin Oh, Youngkwon Lim, Rob Koenen |
| **Duration** | Until 122 |
| **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, starting Wed Feb 7th. 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 Compact Descriptors for Video Analysis (CDVA)** |
| **Mandates** | 1. To maintain the data set, the test model CXM 4 and the evaluation software.
2. To study the CD and draft conformance.
3. To complete CDVA Core Experiments, and analyse the results.
 |
| **Chairmen** | Werner Bailer, Lingyu Duan |
| **Duration** | until 122nd 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, 12.00-16.00 | Room Size | 20 |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on Coded Representation of Neural Networks** |
| **Mandates** | 1. Refine use cases and requirements
2. Collect state of the art of NN compression, in particular for other uses than classification
3. Study existing NN exchange formats
4. Study NN representations of accelerators/optimisers for specific target platforms and analyse commonalities of these representations
5. Reach out to AI/ML community
 |
| **Chairmen** | Werner Bailer (werner.bailer@joanneum.at)Sungmoon Chun (smchun@insignal.co.kr) |
| **Duration** | until 122nd MPEG Meeting |
| **Reflector(s)** | mpeg-nnr@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-nnr |
|  |  |  |  |
| **Meeting** | Sunday prior to 122nd meeting | Room Size | 20 |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on Common Media Application Format (CMAF)** |
| **Mandates** | 1. Study AMD 2, Defect Report and TuC and solicit further input on it.
2. Study topics related to multi-stream support for CMAF
3. Solicit further contributions on CMAF conformance and test vectors
 |
| **Chairmen** | Krasimir Kolarov; John Simmons; Cyril Concolato |
| **Duration** | until 122th meeting |
| **Reflector(s)** | mpeg-cmaf@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-cmaf |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on OMAF** |
| **Mandates** | 1. Conduct comparison experiments as in N17428
2. Develop plans on reference software and conformance and solicit contributions (N17430)
3. Study the requirements on MPEG-I phase 1b and solicit technical contributions
4. Study a test framework for OMAF (N17435)and solicit contributions
5. Study the documents related to Part 6 and Part 7 of MPEG-I and solicit contributions to improve them.
6. Collaborate with relevant SDOs, e.g. VRIF
 |
| **Chairmen** | Youngkwon Lim and Ye-Kui Wang |
| **Duration** | until the 122nd MPEG meeting |
| **Reflector(s)** | mpeg-maf-dev@lists.aau.at |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/mpeg-maf-dev |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on Application Formats** |
| **Mandates** | Multi-Image Application Format1. Study and improve Draft DIS
2. Continue communication with WG1 on HEIF and JPEG-XR in particular

Visual-Identity Management Application Format1. Study WD and solicit technical contributions to improve it.
 |
| **Chairmen** | Krasimir Kolarov, Youngkwon Lim |
| **Duration** | until 122nd meeting |
| **Reflector(s)** | mpeg-maf-dev@lists.aau.at |
| **Subscribe** | ttps://lists.aau.at/mailman/listinfo/mpeg-maf-dev |
|  |  |  |  |
| **Meeting** | Conference call March 5, 9-11 am Pacific on MiAF | 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 composition of sub-pictures and the association of metadata with the composition.
5. Study the signalling of SEI messages, required/present and specifically giving clarity about general SEIs such as user-data SEIs and propose mechanisms.
6. Study the signaling of aspects of the file format in MIME parameters (e.g. codecs) and propose solutions.
7. 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 |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on MPEG Roadmap** |
| **Mandates** | 1. To review and improve the MPEG Standardisation Roadmap (presentation and document
2. To discuss and recommend future promotional activities, including potentially at NAB 2018, IBC 2018, and SMPTE Fall
 |
| **Chairmen** | José Alvarez (jose.roberto.alvarez@huawei.com)Rob Koenen (rob.koenen@tno.nl) |
| **Duration** | Until MPEG 122 |
| **Reflector(s)** | mpegvision@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpegvision |
|  |  |  |  |
| **Meeting** | No meetings | Room Size |  |
|  |  |

|  |  |
| --- | --- |
| **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 the 122nd MPEG meeting |
| **Reflector(s)** | MMT-TNT@listserv.uni-hannover.de |
| **Subscribe** | MMT-TNT-request@LISTSERV.UNI-HANNOVER.DE |
|  |  |  |  |
| **Meeting** |  | Room Size | 20 |
| Sunday before the meeting | 15-04-2018 |

|  |  |
| --- | --- |
| **Name** | **AHG on Font Format** |
| **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 the 122nd MPEG 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 Network-Based Media Processing** |
| **Mandates** | 1. Finalize the reference architecture for NBMP
2. Define the final list of major functions to be supported by NBMP
3. Finalize the use case and requirements for NBMP
4. Work on the Final Call for Proposals
5. Investigate any related work by the industry, other SDOs (e.g., IETF, ETSI, 3GPP, 5GAA, ONAF)
6. Work on the NBMP vision paper
 |
| **Chairmen** | Kyungmo Park (SK Telecom)Rufael Mekuria (Unified Streaming Platform) |
| **Duration** | until 122nd MPEG meeting |
| **Reflector(s)** | mpeg-nbmp@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-nbmp |
|  |  |  |  |
| **Meeting** | Saturday prior to 122nd MPEG meeting | Room Size | 30 |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on MPEG-I Architectures** |
| **Mandates** | 1. To refine and verify the architecture(s) for Immersive Services (N17345) and propose updates to the PDTR of the Technical Report (MPEG-I part 1)
2. To map use cases to these architectures and update, if necessary; to identify standardisation needs in MPEG
3. To develop MPEG-i phase 2 requirements, timelines and project structure, and to propose updates to the MPEG-I phase 2 Requirements Document
4. To study use cases and requirements for social VR and identification of potential standardisation needs in MPEG.
5. To study MPEG-I architectural decomposition
6. To investigate required support for head-motion parallax in MPEG-I phase 1b, and to prepare next steps.
7. To integrate audio interactivity, delivery rendering into the architectures in N17345
 |
| **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 122 |
| **Reflector(s)** | mpeg-i@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i |
|  |  |  |  |
| **Meeting** | Sunday before MPEG 122 | Room Size | 80 |
| 3 calls, to be announced |  |

|  |  |
| --- | --- |
| **Name** | **MPEG-I Visual Technologies** |
| **Mandates** | 1. Improve the way we evaluate functionalities of 6DoF
2. Issue call for test materials for 6DoF Visual
3. Carry out exploration experiments for Windowed 6DoF
4. Carry out exploration experiments for Omnidirectional 6DoF
5. Carry out exploration experiments on Dense Lightfield
6. Issue call for test materials for 3DoF+ Visual
7. Define activities and Common Test Conditions of 3DoF+ Visual
 |
| **Chairmen** | Lu Yu (chair), Gauthier Lafruit, Masayuki Tanimoto, Krzysztof Wegner (co-chairs) |
| **Duration** | Until 122nd 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 |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on MPEG-I Audio and Audio Maintenance** |
| **Mandates** | 1. Execute Workplan on MPEG-I Audio Evaluation Platform
2. Execute Workplan on MPEG-I Audio Test Material
3. Execute Workplan for USAC Conformance
4. Maintain Audio-related conformance data
5. Maintain Audio-related reference software
 |
| **Chairmen** | Schuyler Quackenbush (ARL) srq at audioresearchlabs . com |
| **Duration** | Until 122nd MPEG Meeting |
| **Reflector(s)** | mpeg-audio-call@audioresearchlabs.com |
| **Subscribe** | To subscribe or unsubscribe to the list, send email to the AhG ChairTo post on the mailing list, send email to mpeg-audio-call@ audioresearchlabs.com Note that posting is blocked for non-members |
|  |  |  |  |
| **Meeting** | GoToMeeting conference Feb 28 and Mar 28 at 1000 -1200 East Coast USNo F2F meeting | Room Size | N/A |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AhG on Hybrid Natural/Synthetic Scene** |
| **Mandates** | 1. 1.Draft anticipated use cases (e.g. rendering, adaptation of resources, storage of ray-traceable media for 6 DoF).
2. Study if and how the current draft of HNSS requirements (N17319) can be split into separate scene graph and carriage mechanism sections.
3. Refine the draft requirements in accordance with the outcome of mandate 2.
4. Provide evidence of how an interface between a scene graph and a carriage mechanism can be defined.
 |
| **Chairmen** | Arianne Hinds |
| **Duration** | until MPEG 122 |
| **Reflector(s)** | hnss-container@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/hnss-container |
|  |  |  |  |
| **Meeting** | Saturday 14 April, 2018 14:00 to 18:00 | Room Size | 30 |
| teleconferences | To be announced on HNSS reflector |

|  |  |
| --- | --- |
| **Name** | **AHG on Point Cloud Coding** |
| **Mandates** | 1. Update the TMCs (SW+doc) during the editing period
2. Finalize the N17345 CTC and provide validated anchor points
3. Produce first Working Drafts for the 3 categories during the editing period
4. Encourage participating companies to review the MPEG SW license (annotated BSD)
5. Conduct the PCC Core Experiments
6. Solicit additional data sets targeting high quality point clouds
7. Suggest editorial improvements of TMCv1
 |
| **Chairmen** | Ralf Schaefer (Chair), Phil Chou, Khaled Mammou |
| **Duration** | Until 122nd 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 | 60 |
|  | April 15th 09h00-18h00 |

|  |  |
| --- | --- |
| **Name** | **AHG on IoMT** |
| **Mandates** | 1. Produce CD during the editing period
2. Continue investigations on Media Things Token
 |
| **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** | Meeting During weekend prior to MPEG | Room Size | 20 |
|  | April 15th, 14h00-18h00 |