**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 N16921**

**Torino, IT – July 2017**

|  |  |
| --- | --- |
| **Source:** | **Leonardo Chiariglione**  |
| **Title:** | **Ad hoc groups established at MPEG 119** |

**Ad hoc groups established at MPEG 119**

|  |  |
| --- | --- |
| **Name** | **AHG on Compact Descriptors for Video Analysis (CDVA)** |
| **Mandates** | 1. To maintain and extend the data set.
2. To maintain the CDVA WD 1 and the test model CXM 2, 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, Miroslaw Bober, Lingyu Duan |
| **Duration** | until 120th 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 | Room Size | 20 |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on Reconfigurable Video Coding** |
| **Mandates** | 1. To prepare an input document towards 23002-4:201x/PDAM1 VTL extensions for HEVC Main 10 Profile and parallel parser implementation.
2. To study mechanisms for dynamic adaptation in FNL, and demonstrate the benefit of such technology.
 |
| **Chairmen** | Marco Mattavelli, Eduardo Juarez |
| **Duration** | until 120th MPEG meeting |
| **Reflector(s)** | rvc@listes.epfl.ch |
| **Subscribe** | To subscribe, send email to rvc-subscribe@listes.epfl.ch |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  |

|  |  |
| --- | --- |
| **Name** | **MPEG-21 User Description** |
| **Mandates** | 1. Solicit technologies for the new use cases
2. Review the Working Draft
 |
| **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 |
|  |  |  |  |
| **Meeting** | Sunday before 120th MPEG meeting | Room Size | 15 |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on 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 next MPEG |
| **Reflector(s)** | MMT-TNT@listserv.uni-hannover.de |
| **Subscribe** | MMT-TNT-subscribe@listserv.uni-hannover.de |
|  |  |  |  |
| **Meeting** | Sunday before meeting | Room Size | 20 |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on Network Based Media Processing (NBMP)** |
| **Mandates** | 1. Refine the scope and requirements for NBMP
2. Refine the reference architecture for NBMP
3. Define a first list of major functions to be supported by NBMP
4. Consider additional use cases for NBMP
5. Work on the draft Call for Proposals
 |
| **Chairmen** | Kyungmo ParkRufael Mekuria |
| **Duration** | Until next meeting |
| **Reflector(s)** |  |
| **Subscribe** |  |
|  |  |  |  |
| **Meeting** | F2F with bridge on 8th September | Room Size | 20 |
| Sunday before meeting |  |

|  |  |
| --- | --- |
| **Name** | **AHG on Omnidirectional MediA Format** |
| **Mandates** | 1. Study DIS and solicit industry comments on DIS
2. Study profiles under considerations and solicit industry comments
3. Contribute MPEG-I use case and requirements collection
 |
| **Chairmen** | Youngkwon Lim, Ye-Kui Wang |
| **Duration** | until the next MPEG meeting |
| **Reflector(s)** | mpeg-maf-dev@lists.aau.at |
| **Subscribe** |  |
|  |  |  |  |
| **Meeting** | Saturday and Sunday | Room Size | 60 |
|  |  |

|  |  |
| --- | --- |
| **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 WD to responds to the Requirements and Use Cases
	2. Collaborate with WG1 on JPEG XR
 |
| **Chairmen** | Youngkwon Lim, Krasimir Kolarov |
| **Duration** | until the next MPEG meeting |
| **Reflector(s)** | mpeg-maf-dev@lists.aau.at |
| **Subscribe** |  |
|  |  |  |  |
| **Meeting** | (MiAF) Sunday prior to the 120th MPEG meeting (14:00-18:00) | Room Size | 30 |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on 3D Audio and Audio in MPEG-I** |
| **Mandates** | 1. Discuss open issues in N17038, MPEG-I Audio Architecture and Evaluation Procedures for 6 DoF
2. Gather information on audio content and content formats for use in MPEG-I
3. Execute Workplan on 3D Audio Conformance
4. Maintain Audio-related conformance data
5. Maintain Audio-related reference software
 |
| **Chairmen** | Schuyler Quackenbush (ARL) srq at audioresearchlabs . com |
| **Duration** | Until 120th MPEG meeting |
| **Reflector(s)** | mpeg-audio-call@audioresearchlabs.com |
| **Subscribe** | • To subscribe or unsubscribe to the list, send email tothe AhG Chair• To post on the mailing list, send email to mpeg-audio-call@ audioresearchlabs.com Note that posting is blocked for non-members |
|  |  |  |  |
| **Meeting** | No F2F meeting | Room Size |  |
| GoToMeeting conference Thu Sep 28, 2017 1600-1800 hrs CET (1000 -1200 Eastern, 0700-0900 Pacific) |  |

|  |  |
| --- | --- |
| **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).
2. Solicit responses to the call for proposals (CfE) on network-distributed video coding.
3. Assist the evaluation of responses to the CfE, in particularly regarding transcoding complexity and compression efficiency compared to simulcast and transcoding using full video re-encode
 |
| **Chairmen** | Rickard Sjöberg (Ericsson), Xavier Ducloux (Harmonic) |
| **Duration** | Until MPEG 120 |
| **Reflector(s)** | mpeg-ndvc@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-ndvc |
|  |  |  |  |
| **Meeting** | Sunday prior to the 120th MPEG meeting (09:00-18:00) | Room Size | 20 |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AhG on Immersive Media Quality Evaluation** |
| **Mandates** | 1. Review and document existing methods to assess human perception and reaction to immersive media stimuli.
2. Develop immersive media quality metrics and investigate their measurability in immersive media services.
3. Develop guidelines for evaluating quality of experience of immersive media services.
 |
| **Chairmen** | Christian Timmerer, Haoping Yu, Igor Curcio |
| **Duration** | Until the next MPEG meeting |
| **Reflector(s)** | immersive-quality@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/immersive-quality |
|  |  |  |  |
| **Meeting** | Sunday (9-11) prior to next MPEG meeting | Room Size | 20 |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on Common Media Application Format (CMAF)** |
| **Mandates** | 1. Study AMD 1 and 2 and solicit further input on those.
2. Solicit further contributions on CMAF conformance and test vectors
 |
| **Chairmen** | Krasimir Kolarov; Iraj Sodagar; Cyril Concolato |
| **Duration** | until 120th meeting |
| **Reflector(s)** | mpeg-cmaf@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-cmaf |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  |

|  |  |
| --- | --- |
| **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 the existing MPEG-I use cases that require the use of scene graph or container for MPEG-I.
3. Collect new use cases
4. Sketch a process for developing and evolving the standard for MPEG-I HNSS container.
5. Refine the draft call for proposals for MPEG-I HNSS container
 |
| **Chairmen** | Arianne Hinds |
| **Duration** | Until the 120th MPEG meeting |
| **Reflector(s)** | TBA |
| **Subscribe** | TBA |
|  |  |  |  |
| **Meeting** | Sunday 22 October 2017 1400 to 1800 | Room Size | 30 |
| Teleconferences | To be announced on the reflector |

|  |  |
| --- | --- |
| **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 N17078.
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
6. To collect preliminary test item descriptions and bytestreams for Conformance testing
 |
| **Chairmen** | Marco Mattavelli (EPFL)Martin Golebiewski (HITS gGmbH)Jaime Delgado (UPC) |
| **Duration** | Until next MPEG meeting |
| **Reflector(s)** | genome\_compression@listes.epfl.ch |
| **Subscribe** | To subscribe, send email to genome\_compression-subscribe@listes.epfl.ch |
|  |  |  |  |
| **Meeting** | Yes | Room Size | 20 |
| On 27, 28 and 29 September at Pirbright Institute, Woking UK, and Saturday 10h 18h and Sunday 10h to 18 prior the MPEG meeting |  |

|  |  |
| --- | --- |
| **Name** | **MPEG-I Visual Technologies** |
| **Mandates** | 1. Prepare a setup for evaluation of Omnidirectional 6DoF, Windowed 6DoF, and 6DoF
2. Carry out exploration experiments for Windowed 6DoF
3. Carry out exploration experiments for Omnidirectional 6DoF
4. Carry out exploration experiments on Dense Light Field compression
5. Collect existing evidence of developments related to Light Field compression
 |
| **Chairmen** | Jörn Ostermann (chair),Gauthier Lafruit, Masayuki Tanimoto, Krzysztof Wegner (co-chairs) |
| **Duration** | Until 120th meeting |
| **Reflector(s)** | mpeg-i-visual@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i-visual |
|  |  |  |  |
| **Meeting** | 2017-10-22 Sunday Morning | Room Size | 30 |
|  |  |

|  |  |
| --- | --- |
| **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, specifically the signaling and carriage of ROI information and streams.
5. Study the WD on carriage of web resources and propose improvements.
6. Study the CD on Partial file storage, and propose improvements.
7. Study the signalling of SEI messages, required/present and specifically giving clarity about general SEIs such as user-data SEIs and propose mechanisms.
8. Study the signaling of aspects of the file format in MIME parameters (e.g. codecs) and propose solutions.
9. Study the file format aspects of the OMAF Study of DIS.
 |
| **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** | **MP20 Roadmap** |
| **Mandates** | 1. To review and improve the MP20 Standardisation Roadmap (presentation and document
2. To organize an MPEG Roadmap Workshop in Hong Kong on the Saturday immediately after MPEG 120
3. To discuss and recommend future MP20 promotional activities
4. To prepare the workshop in Gwangju (MPEG 121)
 |
| **Chairmen** | José Alvarez (jose.roberto.alvarez@huawei.com)Rob Koenen (rob.koenen@tno.nl)Teruhiko SuzukiGun Bang (Gbang@etri.re.kr) |
| **Duration** | Until MPEG120 |
| **Reflector(s)** | mpegvision@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpegvision |
|  |  |  |  |
| **Meeting** | None | Room Size |  |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on MPEG-I Architectures** |
| **Mandates** | 1. To further develop Requirements for MPEG-I phase 1b, for completion and final approval at MPEG 120
2. To prepare a PDTR of the Technical Report (MPEG-I part 1)
3. To propose a Working Draft for an MPEG-I part on Metrics for Immersive Services
4. To propose a Working Draft for an MPEG-I part on Metadata for Immersive Services
5. To propose a schedule for the development of MPEG-I phase 1b
6. To check the compliance of OMAF with the requirements for MPEG-I phase 1a
 |
| **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 120 |
| **Reflector(s)** | mpeg-i@lists.aau.at |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i |
|  |  |  |  |
| **Meeting** | Sunday before MPEG 120, 16-20 hours | Room Size | 50 |
| Approximately 3 conference calls will be planned |  |

|  |  |
| --- | --- |
| **Name** | **AHG on MPEG MORE** |
| **Mandates** | 1. To further the existing plans for providing Conformance and Reference SW for MORE
 |
| **Chairmen** | Jean-Claude Dufourd, Sejin Oh, Youngkwon Lim, Rob Koenen |
| **Duration** | Until MPEG 120 |
| **Reflector(s)** | gen-sys@lists.uni-klu.ac.at |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/listinfo/gen-sys |
|  |  |  |  |
| **Meeting** | None | Room Size |  |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on Point Cloud Coding** |
| **Mandates** | 1. Finalize the XLS spreadsheets within the editing period.
2. Finalize editing on CfP complementary document
3. Distribute the complementary document to the registered proponents
4. Conduct the subjective evaluation and compile the results of the evaluation
5. Merge objective evaluation results from proponents
6. Present the results of the evaluation on Sunday, 22nd October 2017
 |
| **Chairmen** | Marius Preda (Institut Mines Telecom) |
| **Duration** | Until 120th MPEG Meeting |
| **Reflector(s)** | mpeg-3dgc AT gti. ssr. upm. es |
| **Subscribe** | https://mx.gti.ssr.upm.es/mailman/listinfo/mpeg-3dgc |
|  |  |  |  |
| **Meeting** | During weekend prior to MPEG | Room Size | 60 |
|  | October 21st and 22nd 09h00-18h00 |

|  |  |
| --- | --- |
| **Name** | **AHG on Document Management System Improvements** |
| **Mandates** | 1. Produce a list of issues that users are facing today with the current Web site (http://wg11.sc29.org/) for accessing the documents
2. Study batch download and file sync based solutions for document sharing within WG 11
3. Discuss search capabilities (per standard, meeting, topic, author, etc.)
4. Discuss UI improvements for better mobile access
5. Compile -mpeg 101- type of information that should be added to the Web site for easy and quick access to essential information
 |
| **Chairmen** | Christian Tulvan, Ali Begen |
| **Duration** | Until MPEG 120 |
| **Reflector(s)** | mpeg-dms@lists.aau.at |
| **Subscribe** | <https://lists.aau.at/mailman/listinfo/mpeg-dms> |
|  |  |  |  |
| **Meeting** | Oct. 22nd, 2017 (16h00-19h00) | Room Size | 20 |
|  |  |

|  |  |
| --- | --- |
| **Name** | **AHG on IoMT & W** |
| **Mandates** | Coordinate the Core Experiment activities |
| **Chairmen** | Mihai Mitrea, Sang-Kyun Kim, Sungmoon Chun |
| **Duration** | Until 120th MPEG Meeting |
| **Reflector(s)** | MIoTW@lists.aau.at |
| **Subscribe** | <http://lists.uni-klu.ac.at/mailman/options/MIoTW> |
|  |  |  |  |
| **Meeting** | Oct 22nd, 09h00-16h00 | Room Size | 20 |
|  |  |