 ISO/IEC JTC 1/SC 29/WG 03 N0832

**ISO/IEC JTC 1/SC 29/WG 03  
MPEG Systems   
Convenorship: KATS (Korea, Republic of)**

**Document type:** Meeting

**Title:** List of WG 03 AHGs established at the 11th meeting

**Status:** Approved

**Date of document:** 2023-04-28

**Source:** ISO/IEC JTC 1/SC 29/WG 03

**No. of pages:** 9 (with cover page)

**Email of Convenor:** young.L @ samsung . com

**Committee URL:** <https://isotc.iso.org/livelink/livelink/open/jtc1sc29wg3>

**INTERNATIONAL ORGANIZATION FOR STANDARDIZATION**

**ORGANISATION INTERNATIONALE DE NORMALISATION**

**ISO/IEC JTC 1/SC 29/WG 3 MPEG SYSTEMS**

**ISO/IEC JTC 1/SC 29/WG 03 N** **0832**

**April 2023, Antalya, TR**

|  |  |
| --- | --- |
| **Title** | **List of WG 03 AHGs established at the 11th meeting** |
| **Source** | **Convenor** |
| **Serial Number** | **22574** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on Carriage of Green Metadata** | | |
| **Mandates** | 1. Study extensions of 23001-11 on decoding complexity metrics for decoder-power reduction for EVC  2. Prepare FDIS of AMD1 of 23001-11 3rd edition for EVC  3. Improve WD and prepare CD of AMD2 of 23001-11 3rd edition for new display power reduction metadata  4. Study potential improvements of 23001-11 3rd edition | | |
| **Chairmen** | Edouard Francois (InterDigital), Christian Herglotz (FAU), Yong He (Qualcomm) | | |
| **Duration** | Until next MPEG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at – use [green] in email header | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/gen-sys | | |
|  |  |  |  |
| **Meeting** | Several online sessions before the next MPEG meeting if necessary | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on Redundant Encoding and Packaging (REaP)** | | |
| **Mandates** | 1. Solicit technical and editorial feedback on the specification.  2. Review the open gitlab issues  3. Plan a workshop to get industry feedback in beginning of July, increase awareness | | |
| **Chairmen** | Rufael Mekuria, Yasser Syed, Khaled Jerbi | | |
| **Duration** | Until the next meeting | | |
| **Reflector(s)** | synched-encoding@lists.aau.at | | |
| **Subscribe** | Subscribe https://lists.aau.at/mailman/roster/synched-encoding or  send email to synched-encoding-join@lists.aau.at and follow instructions | | |
|  |  |  |  |
| **Meeting** | - F2F AHG meeting on Sunday before  the next meeting  Additional online meeting TBD in early June | Room Size | 20 |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on Smart Contracts for Media** | | |
| **Mandates** | 1. Solicit industry participation and contributions for ISO/IEC 23000-23 Decentralized Media Rights Application Format based on ISO/IEC 21000-23 Smart Contracts for Media  2. Study and solicit contributions (e.g., technologies and APIs) for ISO/IEC 23000-23 Decentralized Media Rights Application Format in the following areas:  o Smart contracts and DLTs  o Rights and metadata management  o Content and creator IDs  o File formats and streaming protocols  3. Study and improve the Preliminary WD of ISO/IEC 23000-23 Decentralized Media Rights Application | | |
| **Chairmen** | Panos Kudumakis and Mirko Zichichi | | |
| **Duration** | Until the 143rd MPEG meeting | | |
| **Reflector(s)** | smart-contracts@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/smart-contracts | | |
|  |  |  |  |
| **Meeting** | Biweekly calls starting Wed 17 May. 2023, alternatively at 13:00 & 15:00 UTC (2 h) | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on Application Formats** | | |
| **Mandates** | CMAF (Common Media Application Format)  1. Study the TuC and the preliminary WD, and solicit further input  2. Solicit further contributions on CMAF conformance and test vectors  3. Solicit feedback on the open issues on GitHub (e.g. #43) and GitLab  MIAF (Multi-Image Application Format)  1. Study the DIS and solicit further input.  2. Solicit feedback on the open issues on GitHub and GitLab | | |
| **Chairmen** | Krasimir Kolarov; Cyril Concolato | | |
| **Duration** | until 143rd meeting | | |
| **Reflector(s)** | CMAF - mpeg-cmaf@lists.aau.at  MIAF, VIAF - mpeg-maf-dev@lists.aau.at | | |
| **Subscribe** | CMAF - https://lists.aau.at/mailman/listinfo/mpeg-cmaf  MIAF, VIMAF - https://lists.aau.at/mailman/listinfo/mpeg-maf-dev | | |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
| AF Conference call to discuss GitHub and GitLab issues, July 13, 2023, 16:00-18:00 UTC |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on Omnidirectional MediA Format (OMAF)** | | |
| **Mandates** | 1) Study the WD of amendment 2 of immersive media metrics.  2) Study the OMAF amendment preliminary WD on server-side dynamic adaptation.  3) Study the TuC of OMAF and TuC of immersive media metrics.  4) Study requirements of MPEG-I phase 2 especially in relation to OMAF.  5) Maintain relationship with relevant SDOs, (e.g., VRIF, 3GPP SA4). | | |
| **Chairmen** | Sachin Deshpande, Ye-Kui Wang, Youngkwon Lim | | |
| **Duration** | Until the next WG3 Meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/gen-sys | | |
|  |  |  |  |
| **Meeting** | Online AHG meeting (as required) will be announced 2 weeks in advance. | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on Font Format** | | |
| **Mandates** | 1. Review the text of the updated Working Draft of ISO/IEC 14496-22 5th edition (WG03N0847).  2. Review the content of “Technologies under consideration for ISO/IEC 14496-22 5th edition Open Font Format” document (WG03N0888) and provide recommendations for the WG3 on if / how these changes can be integrated in the “Open Font Format” standard.  3. Explore potential future changes and updates, and propose new items (if applicable) for consideration in the 5th edition of the OFF specification. | | |
| **Chairmen** | Vladimir Levantovsky (Type Standards) | | |
| **Duration** | Until next meeting | | |
| **Reflector(s)** | mpeg-otspec@lists.aau.at; https://github.com/MPEGGroup/OpenFontFormat | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-otspec | | |
|  |  |  |  |
| **Meeting** | Zoom conference call may be held, if necessary (detailed information will be posted to the AHG reflector) | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on MPEG DASH** | | |
| **Mandates** | 1. Study and improve Part 1 Draft text of CDAM2 (WG03N 780)  2. Study technologies under consideration (TuC; WG03N 840) and defect under investigation (DuI; WG03N 833)  3. Continue to work on conformance and reference software  4. Finalize the signaling and improve the corresponding text in the AMD2 Working draft for supporting picture-in-picture  5. Study Part 1 Annex I, its usability, its extensibility and provide a path for extending its support. | | |
| **Chairmen** | Iraj Sodagar, Christian Timmerer, Ali C. Begen | | |
| **Duration** | Until the next MPEG meeting | | |
| **Reflector(s)** | dash@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/dash | | |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on Syntactic Description Language** | | |
| **Mandates** | - To review TuC and propose updates | | |
| **Chairmen** | Youngkwon Lim | | |
| **Duration** | Until the 12th MPEG Systems WG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/gen-sys | | |
|  |  |  |  |
| **Meeting** | - one conference call (detail information will be announced to the gen-sys reflector) | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on Systems Technologies for Volumetric Media** | | |
| **Mandates** | 1. Study and solicit contributions to improve 23090-10, 23090-18 and their amendments  2. Discuss open issues in MPEG Git (http://mpegx.int-evry.fr/software/MPEG/Systems/PCC-SYS) and propose recommended dispositions  3. Study commonalities among 23090-2, 23090-10 and 23090-18 and propose common metadata definition to be moved to 23090-7  4. Study reference software and conformance for 23090-10 and 23090-18 and solicit contribution to improve them.  5. Study 23090-28 and 23090-29 related documents and solicit contributions regarding systems technologies for them. | | |
| **Chairmen** | Youngkwon Lim, Lauri Ilola | | |
| **Duration** | until the 12th MPEG Systems WG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/gen-sys | | |
|  |  |  |  |
| **Meeting** | - one conference call (detail information will be announced to the gen-sys reflector) | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on Video Decoding Interface** | | |
| **Mandates** | 1. To study TuC, and solicit contributions to improve it  2. To solicit open source implementation of OpenMAX, MSE or Vulkan to be used as a starting point of implementation of VDI extensions.  3. Communicate with Khronos on the API extensions and other relevant topics related to VDI | | |
| **Chairmen** | Youngkwon Lim, Emmanuel Thomas, Thomas Stockhammer | | |
| **Duration** | Until the 12th MPEG Systems WG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/gen-sys | | |
|  |  |  |  |
| **Meeting** | - one conference call (detail information will be announced to the gen-sys reflector) | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on MPEG File Formats** | | |
| **Mandates** | 1. Discuss and address the Github and Gitlab issues.  2. Support the groups using the file formats (including audio, DASH, CMAF, OMAF, MIAF, V3C systems, Haptics, NBMP et al.)  3. Study the Technologies under Consideration and Working Draft documents and propose improvements. Study the defect reports and propose corrigendum text.  4. Study the proposed clarifications on the definition of brands and the use of versions, particularly in the ISO base media file format, and suggest improvements.  5. Maintain and update the conformance streams, reference software, white papers and one-pagers, and registration authority, as needed. Study whether conformance checking can be (maybe partially) automated, and how the specifications and conformance can be managed as a coordinated workflow. Study the license of the reference software.  6. Progress the study of unregistered MIME types and parameters and propose registrations.  7. Study processes to improve cross-verification of MPEG file format standards and continue the discussion on m60397  8. Explore alignment of DASH/CMAF/FF terminology, concepts and solutions | | |
| **Chairmen** | Cyril Concolato (Netflix) and Miska Hannuksela (Nokia) | | |
| **Duration** | Until next meeting | | |
| **Reflector(s)** | mp4-sys@lists.aau.at  https://github.com/MPEGGroup/FileFormat | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mp4-sys | | |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
| 2 online meetings for the joint DASH/FF/CMAF (2 weeks notice, End of May and end of June – Doodle Poll) |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on MPEG-I Scene Description** | | |
| **Mandates** | 1. Work with the audio group WG06 on progressing the integration of MPEG-I audio into the MPEG-I SD taking into account WG06 N0202 and the SD TuC WG3 N0909.  2. Study the technologies in PI-CDAM2 of ISO/IEC 23090-14 in WG03\_N0861 for potential improvements  3. Conduct the evaluation experiments on as defined in WG3 N0835  4. Progress the technologies in the TuC in WG03\_N0759 based on the decisions made for Amd2.  5. Collect/coordinate test assets that support the development of the MPEG-I Scene description work according to WG3 N0909.  6. Collect initial problem statements and industry needs to be addressed by scene description beyond the second edition to schedule potential work later in 2023.  7. Validate the workflow in WG03\_N0910 to create pull requests to Khronos through MPEG gitlab and github  8. Work on conformance and reference software based on procedures (WG03\_N0848), progress the DIS (WG03\_N0907) and PWD (WG3\_N0908), and progress the issues in reference software (http://mpegx.int-evry.fr/software/MPEG/Systems/SceneDescription/software/reference/-/issues) and carriage (http://mpegx.int-evry.fr/software/MPEG/Systems/SceneDescription/software/23090-24-carriage/-/issues)  9. Extended the Gltf validator to address the MPEG\_ extensions, and review the process for a possible submission of these to the https://github.com/KhronosGroup/glTF-Validator  10. Collect information on ongoing scene description related work in the industry and in other groups and organizations and promote the MPEG-I Scene Description, in particular to Khronos (WG03\_N0907) and the Metaverse Standards Forum (WG03\_N0846)  11. Dispose issues in internal and public git environment | | |
| **Chairmen** | Thomas Stockhammer (tsto@qti.qualcomm.com)  Mary-Luc Champel (champelmaryluc@xiaomi.com)  Gaëlle Martin-Cocher (Gaelle.Martin-Cocher@InterDigital.com) | | |
| **Duration** | Until MPEG#143 | | |
| **Reflector(s)** | mpeg-i-scene@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i-scene    Please check gitlab discussions here:  http://mpegx.int-evry.fr/software/MPEG/SceneDescription/MPEG-Contributions/issues  Please check public github discussions here:  https://github.com/MPEGGroup/Scene-Description | | |
|  |  |  |  |
| **Meeting** | AHG Meetings  • Call: Monday May 15, 2023 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  o From 14:15 UTC onwards WG06 joins for Audio.  o Additional participation of WG06 will be discussed during this slot  • Call: Monday June 19, 2023, 2023 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • Call: Monday June 26, 2023, 2023 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • F2f: Sunday July 16, 2023, 2023 13:00 – 18:00 local (12:00 – 17:00 UTC)  Note:  • Mile High Video, May 7-10, 2023 (Denver, CO)  • 3GPP SA4#124, May 21-25, 2023 (Berlin, Germany)  • Pentacost Monday, May 28, 2023  • Thomas vacation, June 4-7 2023  • Media Web Symposium, June 12-16, 2023 (Berlin, Germany)  • MPEG#143, July 17-21, 2023 (Geneva, Switzerland)  Logistics  • Zoom: http://iso.zoom.us/my/stockhammer, Passwd as of MPEG#142  • Chairs create issues in gitlab to collect comments.  • If MPEG#143 repository is not yet available, use MPEG#142 repository.  Calendar  - Subscription link for MPEG AHG Calls: http://mpeg.expert/live/nextcloud/remote.php/dav/public-calendars/HAwkATGsmc5bN3Qy?export  - Public link for MPEG AHG Calls http://mpeg.expert/live/nextcloud/index.php/apps/calendar/p/HAwkATGsmc5bN3Qy | Room Size | 40 |
|  |  | |