 ISO/IEC JTC 1/SC 29/WG 03 N1183

**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 15th meeting

**Status:** Approved

**Date of document:** 2024-04-26

**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 N1183**

**April 2024 – Rennes, FR**

|  |  |
| --- | --- |
| **Title** | **List of WG 03 AHGs established at the 15th meeting** |
| **Source** | **Convenor** |
| **Serial Number** | **23793** |

|  |  |  |  |
| --- | --- | --- | --- |
| **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 taking into consideration the latest developments on copyright and AI markings.  2. Study and solicit contributions (e.g., technologies and APIs) for ISO/IEC 23000-23 Decentralized Media Rights Application Format in the areas: a) Smart contracts and DLTs; b) Rights and metadata management; c) Content and creator IDs; and c) File formats and streaming protocols.  3. Enhance collaboration with liaisons (e.g., ISO/TC 307/WG3, ITU-T Q.22/SG16, INATBA, W3C DIDs, ISO/TC46/SC9/WG18 ISCC and EC) and conduct further dissemination activities (e.g., Digital Asset Management WG - Metaverse Standards Forum).  4. Study and improve the WD of ISO/IEC 23000-23 Decentralized Media Rights Application. | | |
| **Chairmen** | Panos Kudumakis and Mirko Zichichi | | |
| **Duration** | Until the 147th MPEG meeting | | |
| **Reflector(s)** | smart-contracts@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/smart-contracts | | |
|  |  |  |  |
| **Meeting** | Biweekly calls starting Wed 8 May 2024, alternatively at 14:00 & 16:00 UTC (2 h) | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on Font Format** | | |
| **Mandates** | 1. Review the text of the Committee Draft of ISO/IEC 14496-22 5th edition (WG03N01187) and prepare and submit CD comments via members’ National Bodies. | | |
| **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 Carriage of Green Metadata** | | |
| **Mandates** | 1. Investigate uses and improvements of display power reduction metadata.  2. Study 23001-11 DAM 2 for new display power reduction metadata and solicit contributions to improve it.  3. Contribute to the development of ISO/IEC 23001-10 AMD 2 related to carriage of display adaptation metadata.  4. Work on and improve the draft text of consolidated text on carriage of green metadata. | | |
| **Chairmen** | Edouard Francois (InterDigital), Christian Herglotz (BTU), 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 Syntactic Description Language** | | |
| **Mandates** | - To review the open issues on MPEG Git and prepare relevant disposition  - To solicit input on implementation guidelines and examples | | |
| **Chairmen** | Youngkwon Lim | | |
| **Duration** | Until the 16th MPEG Systems WG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/gen-sys | | |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
| - two conference calls  - to be announced through the reflector |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on Systems Technologies for Volumetric Media** | | |
| **Mandates** | 1. Study and solicit contributions to improve 23090-10, 23090-18 and their amendments  2. Study reference software and conformance for 23090-10 and 23090-18 and solicit contribution to improve them.  3. Study 23090-28 and 23090-29 related documents and solicit contributions regarding systems technologies for them.  4. Discuss open issues in MPEG Git (http://mpegx.int-evry.fr/software/MPEG/Systems/PCC-SYS) and propose recommended dispositions  5. Study commonalities among 23090-2, 23090-10 and 23090-18 and propose a plan to revise the specification to use common metadata definition in 23090-7 | | |
| **Chairmen** | Youngkwon Lim, Lauri Ilola | | |
| **Duration** | until the 16th MPEG Systems WG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/gen-sys | | |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
| - two conference call regarding mandate 3.  - to be announced through the reflector |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on Video Decoding Interface** | | |
| **Mandates** | 1. To study TuC and WD, and solicit contributions to improve it  2. To solicit implementation of VDI extension for OpenMAX, MSE, WebCodec, or Vulkan.  3. Communicate with 3GPP and Khronos on the API extensions and other relevant topics related to VDI | | |
| **Chairmen** | Youngkwon Lim, Emmanuel Thomas, Thomas Stockhammer | | |
| **Duration** | Until the 16th MPEG Systems WG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/gen-sys | | |
|  |  |  |  |
| **Meeting** |  | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AHG on MPEG Systems technologies for indicating AI created/altered content** | | |
| **Mandates** | - Solicit, collect and study the use cases  - Solicit and propose the requirements  - Solicit contributions on relevant MPEG Systems technologies | | |
| **Chairmen** | Iraj Sodagar, Youngkwon Lim | | |
| **Duration** | Until the 16th MPEG Systems WG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/gen-sys | | |
|  |  |  |  |
| **Meeting** | - a conference call  - to be announced through the reflector | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on Omnidirectional MediA Format (OMAF)** | | |
| **Mandates** | 1) Study the Draft DoC related to OMAF amendment on server-side dynamic adaptation and solicit technical proposals on the identified topics needing technical input.  2) Study the TuC of OMAF.  3) Study the TuC of immersive media metrics.  4) Study requirements of MPEG-I phases 2 and 3 especially in relation to OMAF.  5) Maintain relationship with relevant SDOs, (e.g., 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** | Before MPEG meeting with 2-week notice (if needed) | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on Application Formats** | | |
| **Mandates** | CMAF (Common Media Application Format)  1. Study the WD, and solicit further input  2. Solicit feedback on the open issues on GitHub and GitLab  MIAF (Multi-Image Application Format)  3. Study the TuC, and solicit further input  4. Solicit feedback on the open issues on GitLab  MeMAF (Messaging Application Format)  5. Study the requirements, working draft and solicit further input, in collaboration with 3GPP SA4.  6. Solicit feedback on the open issues on GitLab and GitHub | | |
| **Chairmen** | Krasimir Kolarov; Cyril Concolato; Thomas Stockhammer | | |
| **Duration** | until 147th meeting | | |
| **Reflector(s)** | CMAF - mpeg-cmaf@lists.aau.at  MIAF, VIAF, MeMAF - mpeg-maf-dev@lists.aau.at | | |
| **Subscribe** | CMAF - https://lists.aau.at/mailman/listinfo/mpeg-cmaf  MIAF, VIMAF, MeMAF - https://lists.aau.at/mailman/listinfo/mpeg-maf-dev | | |
|  |  |  |  |
| **Meeting** | MeMAF AHG Meeting:  o Call June 17, 2024 16:30 – 18:00 CET (14:30 - 16:00 UTC)  o Call July 11, 2024 16:30 – 18:00 CET (14:30 - 16:00 UTC)  Logistics for MeMAF AHG  • Zoom: http://iso.zoom.us/my/stockhammer, Password as of MPEG#146  • Chairs create issues in gitlab to collect comments.  • Please use MPEG#147 repository for new contributions.  Calendar  • Subscription link for MPEG AHG Calls: http://mpeg.expert/live/nextcloud/remote.php/dav/public-calendars/HAwkATGsmc5bN3Qy?export  • Link for MPEG AHG Calls http://mpeg.expert/live/nextcloud/index.php/apps/calendar/p/HAwkATGsmc5bN3Qy | Room Size |  |
|  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **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 output documents and the SD TuC WG3.  2. Progress the work as agreed in the next steps for Scene Description taking into account the technologies in the TuC in WG03\_N1208  3. Prepare the standardization process in Scene Description to address the MPEG-I Requirements for Avatar as published in WG02\_NXXXX  4. Dispose issues in internal and public git environment  5. Collect/coordinate test assets that support the development of the MPEG-I Scene description work according to the procedure document including the applicability of referenced data sets for our purposes – in collaboration with 5G-MAG.  6. Create conformance files to be shared with the FF group  7. Submit the Second Edition extensions to Khronos  8. Work on conformance and reference software based on procedures, progress and WD, 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. Extend the Gltf validator to address the MPEG\_ extensions, and follow up with Khronos to integrate our reference software to 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 MPEG-I Scene Description, in particular to Khronos, Metaverse Standards Forum and 3GPP | | |
| **Chairmen** | Thomas Stockhammer (tsto@qti.qualcomm.com)  Mary-Luc Champel (champelmaryluc@xiaomi.com)  Gaëlle Martin-Cocher (Gaelle.Martin-Cocher@InterDigital.com) | | |
| **Duration** | Until MPEG#147 | | |
| **Reflector(s)** | mpeg-i-scene@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i-scene    Please check gitlab discussions here:  https://git.mpeg.expert/MPEG/Systems/SceneDescription/MPEG-Contributions/-/issues  Please check public github discussions here:  https://github.com/MPEGGroup/Scene-Description | | |
|  |  |  |  |
| **Meeting** | AHG Meetings  • Call: Monday June 3, 2024 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • Call: Monday June 24, 2024 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  o From 15:15 UTC onwards WG06 joins for Audio.  o Additional participation of WG06 will be discussed during this slot  • F2f: Sunday April 21, 2024 15:00 – 18:00 local  Note:  • 3GPP SA4#128, May 20 – May 24, 2024 (Jeju, KR)  • Thomas vacation May 26 - 30  • MPEG#147, July 15-19, 2024, Sapporo, Japan  • Media Web Symposium, Jun 10 - 14, 2024 (Berlin, DE)  Logistics  • Zoom: http://iso.zoom.us/my/stockhammer, Passwd as of MPEG#146  • Chairs create issues in gitlab to collect comments.  • If MPEG#147 repository is not yet available, use MPEG#146 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 |
|  | 40 | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **AhG on MPEG DASH** | | |
| **Mandates** | 1. Study and suggest improvements to the potent. improved of 6th edition DIS (WG03N1220)  2. Study technologies under consideration (TuC; WG03N1184) and defect under investigation (DuI; WG03N1214)  3. Study and suggest improvements to the potent. improved of Part 9 2nd DIS (WG03N1232).  4. Continue to work on conformance and reference software | | |
| **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** | One conf calls:  - May 3rd, 19-21 CEST, on REAP 2nd DIS finalization. | Room Size |  |
| Zoom link: https://iso.zoom.us/j/4158105690  Password: In mpeg calendar |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| **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, including to propose trimming of outdated proposals, 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 and possible change of license or alternatives.  6. Study processes to improve cross-verification of MPEG file format standards and continue the discussion on m60397  7. Explore alignment of DASH/CMAF/FF terminology, concepts and solutions, in particular the multi-track question  8. Study the extension to the codecs parameter for NALU-based tracks | | |
| **Chairmen** | Cyril Concolato and Miska Hannuksela | | |
| **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** | • Online meeting to address GitHub issues/GitLab issues (end of May)  • Online meeting to discuss Codecs parameter (end of June)  • Online meeting to draft the DoC for ISOBMFF 8th edition (early July)  • 2 online meetings on ISO/IEC 23001-17 (week of May 20, week of June 17) | Room Size |  |
|  |  | |