 ISO/IEC JTC 1/SC 29/WG 03 N0517

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

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**Title:** List of WG 03 AHGs established at the 6th meeting

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**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** **0517**

**January 2022, Virtual**

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| **Title** | **List of WG 03 AHGs established at the 6th meeting** |
| **Source** | **Convenor** |
| **Serial Number** | **21352** |

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| **Name** | **AhG on Smart Contracts for Media** | | |
| **Mandates** | • Conduct dissemination activities for the ISO/IEC 21000-23 Smart Contracts for Media (e.g., white paper, demos, webinar, liaisons).  • Conduct exploration activities for a sequel standard, e.g., Application Formats for Media Rights Ecosystem, including components, such as:  o Smart contracts and DLTs  o Rights metadata ingestion  o Content and creator IDs  o File formats and streaming protocols | | |
| **Chairmen** | Panos Kudumakis and Xin Wang | | |
| **Duration** | Until the 138th MPEG meeting | | |
| **Reflector(s)** | smart-contracts@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/smart-contracts | | |
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| **Meeting** | Biweekly calls starting Wed 2 Feb. 2022, all at 13:00 UTC (2 h) | Room Size |  |
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| **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 23090-27 and 23090-28 related documents and solicit contributions regarding systems technologies for them. | | |
| **Chairmen** | Youngkwon Lim, Lauri Ilola | | |
| **Duration** | until the 7th MPEG Systems WG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/gen-sys | | |
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| **Meeting** | - biweekly conference calls (detail information will be announced to the gen-sys reflector) | Room Size |  |
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| **Name** | **AHG on Font Format** | | |
| **Mandates** | 1. Review the text of ISO/IEC CD 14496-22 Draft International Standards amendment 2 and submit ballot comments, if applicable.  2. Review publicly available WG3 output documents and propose additional changes and updates.  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 | | |
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| **Meeting** | Zoom conference call may be held, if necessary (detailed information will be posted to the AHG reflector) | Room Size |  |
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| **Name** | **AhG on Carriage of Green Metadata** | | |
| **Mandates** | 1. Study extensions of 23001-11 on decoding complexity metrics for decoder-power reduction  2. Study extensions of 23001-11 on metrics for quality recovery after low-power encoding  3. Study extensions of 23001-11 on signalling for remote decoder-power reduction  4. Consolidate the DIS specification of 23001-11 3rd edition and prepare FDIS  5. Prepare software implementation of the Green Metadata for VVC | | |
| **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 | | |
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| **Meeting** | Several online sessions before the next MPEG meeting if necessary | Room Size |  |
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| **Name** | **AhG on Omnidirectional MediA Format (OMAF)** | | |
| **Mandates** | 1) Issue text for integrated 3rd Ed. of OMAF  2) Preparation of OMAF version2 reference software and conformance  3) Study the metrics under consideration (23090-6 TuC)  4) Study the technologies under consideration (23090-2 TuC)  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 | | |
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| **Meeting** | Online AHG meeting (as required) will be announced 2 weeks in advance | Room Size |  |
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| **Name** | **AHG on MPEG-I Scene Description** | | |
| **Mandates** | 1. Complete the analysis of the capabilities of ISO/IEC 23090-14 (first edition) against the requirements for MPEG-I Scene description WG3 N0449 (#267)  2. Review the frozen MPEG-I Requirements related to scene description and include relevant ones to MPEG-I Requirements document.  3. For each extension in the FDIS (WG3 N0485 (#263)) complete the registration form as glTF2.0 extension and communicate with Khronos.  4. Address the integration of V-PCC, G-PCC, V3C, MIV and other MPEG codecs and technologies into Scene Description jointly with 3DG/video/systems/audio based and progress Amd.1 of ISO/IEC 23090-14:2022 (WG3 N0502 #264)  5. Conduct the evaluation experiments on as defined in WG3 N0458 (#268)  6. Collect/coordinate test assets that support the development of the MPEG-I Scene description work according to clause 5 of (WG3 N0448 #266).  7. Work on conformance and reference software and progress the WD (WG3 N0462 #269).  8. Monitor ongoing scene description related work in the industry and in other groups and organizations  9. Communicate with Khronos on the MPEG extensions and other relevant topics related to Scene Description  10. Prepare a White Paper on Scene Description for MPEG#138 | | |
| **Chairmen** | Thomas Stockhammer (tsto@qti.qualcomm.com)  Mary-Luc Champel (champelmaryluc@xiaomi.com) | | |
| **Duration** | Until MPEG138 | | |
| **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 | | |
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| **Meeting** | AHG Calls  • Monday January 31, 2022 14:30 – 16:00 UTC (15:30 – 17:00 CET)  • Monday March 7, 2022 14:30 – 16:00 UTC (15:30 – 17:00 CET)  • Monday March 21, 2022 14:30 – 16:00 UTC (15:30 – 17:00 CET)  • Monday April 4, 2022 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • Friday April 22, 2022 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  Note:  • 3GPP SA4#117 February 14-23, 2022  • 3GPP SA4#118 April 6-14, 2022  Logistics  - Zoom: http://iso.zoom.us/my/stockhammer, Passwd as of MPEG#137  - Chairs create issue in gitlab to collect comments.  - If MPEG#138 repository is not yet available, use MPEG#137 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 |  |
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| **Name** | **AHG on Application Formats** | | |
| **Mandates** | CMAF (Common Media Application Format)  1. Study the TuC/DuI and the Exploration documents and solicit further input  2. Clarify the text regarding edit list  3. Study the use of ISOBMFF type combination and supplemental brands  4. Solicit feedback on the DIS of Amd1 of Ed 3  5. Solicit further contributions on CMAF conformance and test vectors  6. Solicit feedback on the open issues on GitHub and GitLab  MIAF (Multi-Image Application Format)  1. Study the TuC and solicit further input  2. Solicit feedback on the open issues on GitHub and GitLab | | |
| **Chairmen** | Krasimir Kolarov; Cyril Concolato | | |
| **Duration** | until 138th 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 | | |
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| **Meeting** |  | Room Size |  |
| AF Conference call, Feb. 24, 2022, 16:00-17:00 UTC, Mar. 14, 2022, 15:00-16:00 UTC, April 21, 2022, 15:00-17:00 UTC |  | |

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| **Name** | **AhG on Network-Based Media Processing** | | |
| **Mandates** | 1. Improve the TuC (WG03 N0443)  2. Improve and update NBMP Implementation Guidelines draft text DTR (WG03 N0500) including aligning it with revised text of 2nd edition FDIS  3. Solicit inputs for examples of schedule descriptor scenarios to be included in the Implementation Guidelines.  4. Provide implementibility evidence for reference function templates of the 2nd edition FDIS  5. Solicit inputs on the conformance software and test vectors, and OpenAPI descriptions and develop a work plan for them  6. Develop the plan for collaboration with other relevant SDOs, e.g., 3GPP SA4, ATSC, ETSI MEC, and OpenStack Foundation  7. Solicit new NBMP use-cases and applications for the future development of the standard | | |
| **Chairmen** | Kyungmo Park (SK Telecom), and Iraj Sodagar (Tencent) | | |
| **Duration** | Until the next MPEG meeting | | |
| **Reflector(s)** | mpeg-nbmp@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-nbmp | | |
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| **Meeting** | No meeting | Room Size |  |
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| **Name** | **AhG on Video Decoding Interface** | | |
| **Mandates** | 1. To study DIS and TuC, and solicit contributions to improve it  2. To disseminate to JVET the DIS of Video Decoding Interface for Immersive Media  3. To solicit contributions to improve the proposed input formatting library on gitlab (https://gitlab.com/mpeg-i/video-decoding-interface/libbeam)  4. To solicit open source implementation of OpenMAX, MSE or Vulkan to be used as a starting point of implementation of VDI extensions.  6. To solicit the contributions to improve SEI messages for input formatting function | | |
| **Chairmen** | Youngkwon Lim, Emmanuel Thomas, Thomas Stockhammer | | |
| **Duration** | Until the 7th MPEG Systems WG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/gen-sys | | |
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| **Meeting** | no meeting | Room Size |  |
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| **Name** | **AhG on MPEG DASH** | | |
| **Mandates** | 1. Study and improve Part 1 text of DAM1 (WG3 0459) and AMD2 Working Draft (WG3 0486)  2. Study technologies under consideration (TuC; WG3 0466) and defect under investigation (DuI; WG3 0454)  3. Continue to work on conformance and reference software  4. Study the fast tune-in use case and various proposals in TuC including whether the use of Content-disposition and multipart body together in HTTP GET response conforms to the HTTP standard and practices  5. Investigate the audio decode during the period transition as indicated in TuC  6. Study and improve the signaling and client processing of events as in TuC and DuI and solicit feedback from the industry on the use of events. | | |
| **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 | | |
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| **Meeting** | Conf calls:  - Friday Apr 22, 17-18:30 UTC, Preparation call for MPEG#138 | Room Size |  |
| Zoom link: https://iso.zoom.us/j/4158105690  Password in MPEG's Nextcloud calendar. |  | |

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| **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, MORE, MIAF, PCC, 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, particularly in the ISO base media file format, and suggest improvements.  5. Study improvements to movie fragments especially when recording e.g. at gateways, and dynamic tracks.  6. 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 using Kaitai or automated parsers, and how the specifications and conformance can be managed as a coordinated workflow.  7. Check the specifications for unregistered MIME types and parameters and start registering them. Audit files as needed for the MP4RA.  8. Consider the designs for renderable text in the HEIF format.  9. Refine the design for the carriage of uncompressed video | | |
| **Chairmen** | David Singer (Apple) and Per Fröjdh (Ericsson) | | |
| **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 | | |
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| **Meeting** | yes, virtual via Doodle on Raw Video | Room Size | n/a |
| 2 hours Zoom |  | |

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| **Name** | **AhG on Encoder and Packager Synchronization** | | |
| **Mandates** | 1. Promote and disseminate the CfP at venues and relevant networks, SDO, industry workshops, events  2. Organize an AhG call in March | | |
| **Chairmen** | Rufael Mekuria  Alex Giladi  Khaled Jerbi | | |
| **Duration** | Until the next meeting | | |
| **Reflector(s)** | synched-encoding@lists.aau.at | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/synched-encoding | | |
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| **Meeting** | A call prior to the MPEG meeting | Room Size |  |
| Zoom links: To be posted in the reflector | Online | |

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| **Name** | **AhG on MPEG Media Transport (MMT)** | | |
| **Mandates** | 1. Execute the work plan on the conformance including aligning it with MMT 3rd edition and DAM1  2. Solicit inputs on the conformance software and test vectors  3. Work on the CE on Hyper Media/ 5G-ATSC3.0 MEC use cases and requirements for MMT extension  4.Keep relevant SDOs informed MMT (ITU-T SG16, ATSC, 3GPP, ARIB, etc.,) | | |
| **Chairmen** | Kyungmo Park (SK Telecom) | | |
| **Duration** | Until the next MPEG meeting | | |
| **Reflector(s)** | MMT-TNT@listserv.uni-hannover.de | | |
| **Subscribe** | MMT-TNT-request@listserv.uni-hannover.de | | |
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| **Meeting** | No meeting | Room Size |  |
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