 ISO/IEC JTC 1/SC 29/WG 03 N596

**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 8th meeting

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**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** **0596**

**July 2022, Virtual**

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| **Title** | **List of WG 03 AHGs established at the 8th meeting** |
| **Source** | **Convenor** |
| **Serial Number** | **21725** |

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| **Name** | **AhG on Encoder and Packager Synchronization** | | |
| **Mandates** | 1. Continue working on the WD and solicit technical and editorial feedback.  2. Review unaddressed requirements and solicit contributions on them namely:  a. study packager synchronization and the related contribution(s) (e.g. m60387) in the ahg period  b. study the application of other delivery protocols for encoder/packager synchronization  c. look at aspects of stateful versus stateless, scalability and resilience, and clarify problem statements.  d. Develop guidelines for conversion of ingest or storage manifest to delivery manifest  e. Review the open gitlab issues  f. Sollicit contributions on DRM interop (CPIX) and ad- insertion interop (ESNI ESAM and SCTE-35) | | |
| **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/roster/synched-encoding | | |
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| **Meeting** | 1. August 31st 16 UTC hybrid meeting Denver/online  Denver location: 1899 Wynkoop St., 5th floor  2. October 12th 16 UTC online | Room Size |  |
| Zoom links: To be posted in the reflector |  | |

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| **Name** | **AhG on MPEG DASH** | | |
| **Mandates** | 1. Study and improve Part 1 Potential improvements of DAM1 (WG3N0614) and AMD2 Working Draft (WG3N 0630)  2. Study technologies under consideration (TuC; WG3 N0620) and defect under investigation (DuI; WG3 N0610)  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. Finalize the signaling and improve the corresponding text in the AMD2 Working draft for supporting picture-in-picture  6. Study Part 1 Annex I, its usability, its extensibility and provide a path for extending its support.  7. Investigate the audio decode during the period transition as indicated in TuC  8. 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** |  | Room Size |  |
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| **Name** | **AhG on Omnidirectional MediA Format (OMAF)** | | |
| **Mandates** | 1) Study the draft FDAM of immersive media metrics and TuC of part 6.  2) Study the server-side dynamic adaptation and rendering requirements of MPEG-I phase 2 and TuC of OMAF.  3) Preparation of OMAF version 2 reference software and conformance  4) 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 Carriage of Green Metadata** | | |
| **Mandates** | 1. Study extensions of 23001-11 on decoding complexity metrics for decoder-power reduction for EVC  2. Prepare CD of AMD1 of 23001-11 3rd edition for EVC  3. 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 | | |
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| **Meeting** | Several online sessions before the next MPEG meeting if necessary | Room Size |  |
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| **Name** | **AhG on Smart Contracts for Media** | | |
| **Mandates** | 1. Study and solicit contributions for MPEG-21 CEL/MCO contracts to smart contracts conversion for DLTs beyond the supported ones in ISO/IEC 21000-23 Smart Contracts for Media  2. Solicit industry participation and contributions for a Decentralised Media Rights Ecosystem based on ISO/IEC 21000-23 Smart Contracts for Media  3. Study and solicit contributions on, e.g., technologies, architecture, and APIs towards a Decentralised Media Rights Ecosystem, including:  o Smart contracts and DLTs  o Rights and metadata management  o Content and creator IDs  o File formats and streaming protocols  4. Study and improve the Technologies under Consideration (TuC) document | | |
| **Chairmen** | Panos Kudumakis and Xin Wang | | |
| **Duration** | Until the 140th 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 3 Aug. 2022, all at 13:00 UTC (2 h) | Room Size |  |
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| **Name** | **AHG on Font Format** | | |
| **Mandates** | 1. Review the text of the updated Working Draft of ISO/IEC 14496-22 (5th edition).  2. 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 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 9th 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 Video Decoding Interface** | | |
| **Mandates** | 1. To study DIS and TuC, and solicit contributions to improve it  2. To solicit contributions to improve the proposed input formatting library on gitlab (https://gitlab.com/mpeg-i/video-decoding-interface/libbeam)  3. To solicit open source implementation of OpenMAX, MSE or Vulkan to be used as a starting point of implementation of VDI extensions.  4. To solicit the contributions to improve SEI messages for input formatting function | | |
| **Chairmen** | Youngkwon Lim, Emmanuel Thomas, Thomas Stockhammer | | |
| **Duration** | Until the 9th 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 Application Formats** | | |
| **Mandates** | CMAF (Common Media Application Format)  1. Study the TuC and the Proposed WD and solicit further input  2. Clarify the text regarding edit list  3. Study the potential issues regarding width and height fields  4. Solicit further contributions on CMAF conformance and test vectors  5. Solicit feedback on the open issues on GitHub and GitLab  MIAF (Multi-Image Application Format)  1. Study the WD and solicit further input  2. Solicit feedback on the open issues on GitHub and GitLab | | |
| **Chairmen** | Krasimir Kolarov; Cyril Concolato | | |
| **Duration** | until 140th 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, October 20, 2022, 16:00-18:00 UTC |  | |

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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, MIAF, V3C systems, 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, 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  10. Explore options for frame rate signalling in ISO base media file format.  11. Study options for camera extrinsic and intrinsic parameter signalling for image items (including 'ecam' and 'icam' of ISO/IEC 14496-15).  12. Prepare draft DoCs of 23008-12 CDAM1 and 23001-17 CD  13. Study processes to improve cross-verification of MPEG file format standards and continue the discussion on m60397 | | |
| **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 | | |
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| **Meeting** | Doodle poll for a meeting to prepare draft DoC of 23008-12 CDAM1  Doodle poll for a meeting to prepare draft DoC of 23001-17 CD (approx. 2..3 weeks before MPEG140) | 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 N0606  2. Address the integration of G-PCC, MIV and other MPEG codecs and technologies into Scene Description jointly with 3DG/video/systems/audio based based on WG3 N0665  3. Progress the working draft of Amd.2 for ISO/IEC 23090-14  4. Conduct the evaluation experiments on as defined in WG3 N0613  5. Collect/coordinate test assets that support the development of the MPEG-I Scene description work according to WG3 N0633, in particular the development of AR test assets.  6. Work on conformance and reference software based on procedures (WG3 N0633) and progress the WD (WG3 N0617) .  7. Collect information on ongoing scene description related work in the industry and in other groups and organizations and promote the MPEG-I Scene Description.  8. Communicate with Khronos on the MPEG extensions and other relevant topics related to Scene Description  9. Complete White Paper on Scene Description for MPEG#140 | | |
| **Chairmen** | Thomas Stockhammer (tsto@qti.qualcomm.com)  Mary-Luc Champel (champelmaryluc@xiaomi.com)  Gaëlle Martin-Cocher (Gaelle.Martin-Cocher@InterDigital.com) | | |
| **Duration** | Until MPEG140 | | |
| **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 Meetings (with f2f for MPEG#140)  • Call: Monday August 8, 2022 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • Call: Monday August 29, 2022 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • Call: Monday September 19, 2022 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • Call: Monday October 10, 2022 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • F2f: Sunday October 23, 2022 11:00 – 16:00 UTC (13:00 – 18:00 CEST)  AHG Meetings (without f2f for MPEG#140)  • Call: Monday August 8, 2022 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • Call: Monday August 29, 2022 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • F2f: Monday September 13-14, 2022 10:00 – 17:00 CEST (Europe, tbc)  • Call: Monday October 10, 2022 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • Call: Friday October 21, 2022 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  Note:  • IBC 2022, September 9-12, 2022  • 3GPP SA4#120 August 17-26, 2022  • 3GPP SA4 Workshop Sep 26-28, 2022  Logistics  • Zoom: http://iso.zoom.us/my/stockhammer, Passwd as of MPEG#139  • Chairs create issues in gitlab to collect comments.  • If MPEG#140 repository is not yet available, use MPEG#139 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 |
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