 ISO/IEC JTC 1/SC 29/WG 03 N1419

**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 18th 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 N1419**

**January 2025 – Geneva, CH**

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| **Title** | **List of WG 03 AHGs established at the 18th meeting** |
| **Source** | **Convenor** |
| **Serial Number** | **24719** |

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| **Name** | **AhG on Font Format** | | |
| **Mandates** | 1. Review the DIS text of ISO/IEC 14496-22 5th edition (WG03N01388) and prepare and submit ballot 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 | | |
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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 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 AI regulatory developments.  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, ITU-T SG21, INATBA, W3C DIDs, ISCC, AMAS 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 150th 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 5 Feb. 2025, alternatively at 14:00 & 16:00 UTC (2 h) | Room Size |  |
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| **Name** | **AhG on Carriage of Green Metadata** | | |
| **Mandates** | 1. Produce FDAM text of ISO/IEC 23001-19 Ed.3 AMD2  2. Study ISO/IEC 23001-19 on carriage of green metadata and solicit related input contributions.  3. Work on and improve the text of ISO/IEC 23001-19 on carriage of green metadata.  4. Work on conformance of ISO/IEC 23001-11 Ed.3 Amd2 and of ISO/IEC 23001-19 | | |
| **Chairmen** | Olivier Le Meur (InterDigital), Christian Herglotz (BTU) | | |
| **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  - details will be announced through the reflector | Room Size |  |
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| **Name** | **AhG on Syntactic Description Language** | | |
| **Mandates** | - To review TuC and solicit contribution to improve it.  - To execute the workplan on reference software and conformance as described in WG03N1474 | | |
| **Chairmen** | Youngkwon Lim | | |
| **Duration** | Until the 19th 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** |  | Room Size |  |
| - a conference call in early March  - details to be announced through the reflector |  | |

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| **Name** | **AHG on Systems Technologies for Volumetric Media** | | |
| **Mandates** | 1. Study and solicit contributions to improve WD of 23090-10 2nd edition.  2. Study 23090-29 and 23090-38 and solicit contributions to improve WD of 23090-10 2nd edition and 23090-18.  3. Discuss open issues in MPEG Git and propose recommended dispositions | | |
| **Chairmen** | Youngkwon Lim, Lauri Ilola | | |
| **Duration** | until the 19th 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** |  | Room Size |  |
| - a conference call in the end of February  - details will be announce through the reflector |  | |

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| **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 18th 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** |  | Room Size |  |
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| **Name** | **AHG on exploration on media type independent metadata** | | |
| **Mandates** | - to study exploration document (WG03N1458) and solicit contributions to improve it.  - to study bitstream structure of the recent MPEG audio standards and solicit contributions on carrying application specific metadata in audio AU. | | |
| **Chairmen** | Emmanuel Thomas, Imed Bouazizi, Youngkwon Lim | | |
| **Duration** | until the next MPEG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/gen-sys | | |
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| **Meeting** | - a conference call in mid-March  - details to be announced through the reflector | Room Size | 30 |
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| **Name** | **AHG on MPEG-I Scene Description and Avatar Representation Formats** | | |
| **Mandates** | 1. Work with the audio group WG06 on progressing the integration of legacy and MPEG-I audio into the MPEG-I SD  2. Progress the work on MPEG-I Scene Description taking into account the technologies in the CD of Amd.1 WG03\_N1454 and the TuC in WG03\_N1436  3. Progress the standardization process for Avatar Representation formats taking into account the technologies in the CD in WG03\_N1453 and the EE description in WG03\_N1468  4. Dispose issues in internal and public git environment  5. Collect/coordinate test assets that support the development of the MPEG-I Scene description and Avatar Representation Formats  6. Create conformance files to be shared with the FF group and generate sample files, test writers and readers  7. Submit the Second Edition extensions to Khronos  8. Promote Scene Description and Avatar work including the preparation of a white paper to be published by AG03 at MPEG#150 and a demo at 3GPP SA4#131  9. Work on conformance and reference software based on procedures based on CD for 23090-24 Amd.1 in WG and consider adding regression tests for new extensions.  10. 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  11. Collect information on ongoing scene description related work in the promote MPEG-I Scene Description and Avatar Representation Formats, in particular to Khronos, Metaverse Standards Forum, 5G-MAG 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#150 | | |
| **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 | | |
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| **Meeting** | AHG Meetings  • Call   * Monday February 3, 2025 14:30 – 16:00 UTC (15:30 – 17:00 CET) * Friday March 28, 2025 14:30 – 16:00 UTC (15:30 – 17:00 CET)     Note:  • 3GPP SA4#131, February 17 – 21, 2025, Geneva, CH  • Thomas off: March 2-6?  • MPEG#150, March 31 April 4, 2025, online  Logistics  • Zoom: http://iso.zoom.us/my/stockhammer, Passwd as of MPEG#150  • Chairs create issues in gitlab to collect comments.  • If MPEG#150 repository is not yet available, use MPEG#149 repository.  Calendar  - Subscription link for MPEG AHG Calls: https://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 MPEG DASH** | | |
| **Mandates** | 1. Study and collect proposals for advancing the WD of Part 7 (WG03N1465)  2. Study technologies under consideration (TuC; WG03N 1433) and defect under investigation (DuI; WG03N1XXXX)  3. Review the contributions postponed from this meeting  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 | | |
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| **Meeting** | Calls: | Room Size |  |
| - a conference call on 3/21 17:00-18:00 UTC (mandate 3) |  | |

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| **Name** | **AhG on Application Formats** | | |
| **Mandates** | 0. Study integration of MV-HEVC in application formats  CMAF (Common Media Application Format)  1. Study the Draft DIS, and solicit further input  2. Solicit feedback on the open issues on GitHub and GitLab.  MIAF (Multi-Image Application Format)  3. Study the DIS, 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 150th 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 | | |
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| **Meeting** | AHG Meeting:  o Mar. 13, 2025 15:00 - 16:30 UTC | Room Size |  |
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| **Name** | **AhG on media authenticity and provenance indication with MPEG Systems technologies** | | |
| **Mandates** | 1. Identify the subset of WG02\_N0XXX usecases and requirements that are applicable to MPEG systems standards and related workflows, in particular using ISOBMFF and DASH, to support media authentication and AI generated/altered content marking.  2. Study the existing MPEG ISOBMFF and DASH standards and identify the subset of requirements of 1 that are already addressed by these standards, and identify gaps.  3. Study existing non-MPEG standards, and identify the subset of requirements of the above item1 that are already addressed by these standards, and identify gaps.  4. Solicit initial candidate solutions for addressing these gaps. | | |
| **Chairmen** | Iraj Sodagar, Youngkwon Lim | | |
| **Duration** | Until the 19th 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** | Conference call:  March 5, 17-18 UTC.  zoom link: https://iso.zoom.us/my/sodagar  Password can be found on the mpeg calendar. | Room Size |  |
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| **Name** | **AhG on Omnidirectional MediA Format (OMAF)** | | |
| **Mandates** | 1) Study requirements of MPEG-I phases 2 and 3 especially in relation to OMAF.  2) Study the TuC of immersive media metrics.  3) Implement agreed resolution regarding 4CC collision between OMAF and CMAF  4) 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 | | |
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| **Meeting** |  | Room Size |  |
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| **Name** | **AHG on Systems technologies for media coding for machine standards** | | |
| **Mandates** | - To study VCM, FCM and ACM and solicit contributions on systems' technologies to support them.  - To support other WGs on evaluating the questions related to bitstream structure design of such technologies | | |
| **Chairmen** | Jin Young Lee, Sachin Deshpande, Youngkwon Lim | | |
| **Duration** | until the next MPEG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/gen-sys | | |
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| **Meeting** | no meeting | Room Size |  |
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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, 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. 6. Study the extension to the MIME types for layered video tracks, for use case signaling and encryption parameters 7. Study the storage of layered tracks and mixed codecs in a single track, in particular how sample entry boxes and other structures apply 8. Investigate solutions for signaling encryptions options and for improving the robustness of encryption methods 9. Investigate how to update the specifications to use the latest SDL standard | | |
| **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 | 0 |
|  | * N/A | |