 ISO/IEC JTC 1/SC 29/WG 03 N757

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

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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** **757**

**January 2023, OnLine**

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| **Title** | **List of WG 03 AHGs established at the 10th meeting** |
| **Source** | **Convenor** |
| **Serial Number** | **22260** |

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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  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 Technologies under Consideration (TuC) ISO/IEC 23000-23 Decentralised Media Rights Application Format document towards a Working Draft (WD) | | |
| **Chairmen** | Panos Kudumakis and Mirko Zichichi | | |
| **Duration** | Until the 142nd MPEG meeting | | |
| **Reflector(s)** | smart-contracts@lists.aau.at | | |
| **Subscribe** | <https://lists.aau.at/mailman/listinfo/smart-contracts> or  send email to [smart-contracts-join@lists.aau.at](mailto:smart-contracts-join@lists.aau.at) and follow instructions | | |
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| **Meeting** | Biweekly calls starting Wed 1 Feb. 2023, alternatively at 14:00 & 16:00 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 11th MPEG Systems WG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | <http://lists.aau.at/mailman/listinfo/gen-sys> or  send email to [gen-sys-join@lists.aau.at](mailto:gen-sys-join@lists.aau.at) and follow instructions | | |
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| **Meeting** | - one conference call (detail information will be announced to the gen-sys reflector)  - F2F AHG meeting on Sunday before the meeting (to be confirmed) | Room Size |  |
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| **Name** | **AhG on Syntactic Description Language** | | |
| **Mandates** | - To study open questions regarding ISO/IEC 14496-34 on MPEG Git (http://mpegx.int-evry.fr/software/MPEG/Systems/sdl/contributions)  - To review the draft text and propose updates | | |
| **Chairmen** | Youngkwon Lim | | |
| **Duration** | Until the 11th MPEG Systems WG meeting | | |
| **Reflector(s)** | gen-sys@lists.aau.at | | |
| **Subscribe** | <http://lists.aau.at/mailman/listinfo/gen-sys> or  send email to gen-sys-join@lists.aau.at and follow instructions | | |
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| **Meeting** | - one conference call (detail information will be announced to the gen-sys reflector)  - F2F AHG meeting on Saturday before the meeting (to be confirmed) | Room Size |  |
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| **Name** | **AhG on Omnidirectional MediA Format (OMAF)** | | |
| **Mandates** | 1) Study the preliminary WD of amendment 2 and TuC of immersive media metrics.  2) Study the server-side dynamic adaptation architecture in TuC of OMAF.  3) Study requirements of MPEG-I phase 2 especially in relation to OMAF.  4) Preparation of OMAF version 2 reference software and conformance.  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> or  send email to gen-sys-join@lists.aau.at and follow instructions | | |
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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 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> or  send email to [mpeg-otspec-join@lists.aau.at](mailto:mpeg-otspec-join@lists.aau.at) and follow instructions | | |
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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 for EVC  2. Prepare DIS 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> or  send email to [gen-sys-join@lists.aau.at](mailto:gen-sys-join@lists.aau.at) and follow instructions | | |
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| **Meeting** | Several online sessions before the next MPEG meeting if necessary | Room Size |  |
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| **Name** | **AHG on Application Formats** | | |
| **Mandates** | CMAF (Common Media Application Format)  1. Study the TuC and the Preliminary WD and solicit further input  2. Study the DIS of Amd 1 of Ed. 3 and solicit final comments  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 Draft DIS and solicit further input, in particular about the rotation handling issue.  2. Solicit feedback on the open issues on GitHub and GitLab | | |
| **Chairmen** | Krasimir Kolarov; Cyril Concolato | | |
| **Duration** | until 142nd 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> or  send email to [mpeg-cmaf-join@lists.aau.at](mailto:mpeg-cmaf-join@lists.aau.at) and follow instructions  MIAF, VIMAF - <https://lists.aau.at/mailman/listinfo/mpeg-maf-dev> or  send email to [mpeg-maf-dev-join@lists.aau.at](mailto:mpeg-maf-dev-join@lists.aau.at) and follow instructions | | |
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| **Meeting** |  | Room Size |  |
| AF Conference call, April 20, 2023, 16:00-18:00 UTC |  | |

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| **Name** | **AhG on MPEG DASH** | | |
| **Mandates** | 1. Study and improve Part 1 Draft text of CAMD2 (WG03N 780)  2. Study technologies under consideration (TuC; WG03N 774) and defect under investigation (DuI; WG03N 765)  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> or  send email to [dash-join@lists.aau.at](mailto:dash-join@lists.aau.at) and follow instructions | | |
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| **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, e.g. language codes.  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. Check the specifications for unregistered MIME types and parameters and start registering them. Audit files as needed for the MP4RA.  7. Study processes to improve cross-verification of MPEG file format standards and continue the discussion on m60397  8. (New) 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> or  send email to [mp4-sys-join@lists.aau.at](mailto:mp4-sys-join@lists.aau.at) and follow instructions | | |
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| **Meeting** | 1 online Meeting to draft dispose of comments on Part 12 (2 weeks notice, March – Doodle Poll) | Room Size |  |
| 1 online Meeting for the joint DASH/FF/CMAF (2 weeks notice, End of February/Early March – Doodle Poll) |  | |

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| **Name** | **AHG on MPEG-I Scene Description** | | |
| **Mandates** | 1. Address the integration of G-PCC, MIV and other MPEG codecs and technologies into Scene Description jointly with 3DG/video/systems/audio based on WG03 N0795 and provide a best practices document on how to do so  2. Study the support of multiple atlases for MIV taking into account the proposed solution in SD TuC in WG3 N0759  3. Work with the audio group WG06 on progressing the integration of MPEG-I audio into the MPEG-I SD taking into account WG06 N0186 and the SD TuC WG3 N0759.  4. Study the technologies in CDAM2 of ISO/IEC 23090-14 in WG03\_N0797 for potential improvements  5. Conduct the evaluation experiments on as defined in WG3 N0767  6. Progress the technologies in the TuC in WG03\_N0759 based on the decisions made for Amd1 and Amd2.  7. Collect/coordinate test assets that support the development of the MPEG-I Scene description work according to WG3\_N0782.  8. Collect initial problem statements and industry needs to be addressed by scene description beyond the second edition to schedule potential work later in 2023.  9. Work on conformance and reference software based on procedures (WG3\_N0782) and progress the WD (WG3\_N0771), 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).  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 Khronos and the Metaverse Standards Forum  11. Communicate with Khronos on the MPEG extensions in WG3\_N0769 (first edition) and WG3\_N0815 (second edition), and other relevant topics related to Scene Description  12. 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#142 | | |
| **Reflector(s)** | mpeg-i-scene@lists.aau.at | | |
| **Subscribe** | <https://lists.aau.at/mailman/listinfo/mpeg-i-scene> or  send email to [mpeg-i-scene-join@lists.aau.at](mailto:mpeg-i-scene-join@lists.aau.at) and follow instructions    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 | | |
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| **Meeting** | AHG Meetings  • Call: Monday January 30, 2023 14:30 – 16:00 UTC (15:30 – 17:00 CET)  o From 15:15 UTC onwards WG06 joins for Audio.  o Additional participation of WG06 will be discussed during this slot  • Call: Monday February 13, 2023 14:30 – 16:00 UTC (15:30 – 17:00 CET)  o Jointly with colleagues from AHG MPEG Immersive Video. Please check their AHG here: http://mpegx.int-evry.fr/software/MPEG/MIV/InputDocuments/-/blob/659-next-ahg/README.md  o Additional participation of MIV experts will be discussed during this slot  • Call: Monday March 13, 2023, 2023 14:30 – 16:00 UTC (15:30 – 17:00 CET)  • Call: Monday March 27, 2023, 2023 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • Call: Monday April 10, 2023, 2023 13:30 – 15:00 UTC (15:30 – 17:00 CEST)  • F2f: Sunday April 23, 2023, 2023 13:00 – 18:00 local (10:00 – 15:00 UTC)  Note:  • 3GPP SA4#122 February 20-24, 2023 (Athens, Greece)  • 3GPP SA4#123 April 17-21, 2023 (virtual)  Logistics  • Zoom: http://iso.zoom.us/my/stockhammer, Passwd as of MPEG#141  • Chairs create issues in gitlab to collect comments.  • If MPEG#142 repository is not yet available, use MPEG#141 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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| **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. Review draft white paper and solicit contributions to improve it.  4. Plan a workshop to get industry feedback | | |
| **Chairmen** | Rufael Mekuria, Yasser Syed, Khaled Jerbi | | |
| **Duration** | Until the next meeting | | |
| **Reflector(s)** | synched-encoding@lists.aau.at | | |
| **Subscribe** | <https://lists.aau.at/mailman/roster/synched-encoding> or  send email to [synched-encoding-join@lists.aau.at](mailto:synched-encoding-join@lists.aau.at) and follow instructions | | |
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| **Meeting** | - F2F AHG meeting on Sunday before the next meeting | Room Size |  |
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