**INTERNATIONAL ORGANISATION FOR STANDARDISATION**

**ORGANISATION INTERNATIONALE DE NORMALISATION**

**ISO/IEC JTC 1/SC 29/WG 11**

**CODING OF MOVING PICTURES AND AUDIO**

**ISO/IEC JTC 1/SC 29/WG 11 N17908**

**Macao – October 2018**

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| **Source:** | **Leonardo Chiariglione** |
| **Title:** | **Ad hoc groups established at MPEG 124** |

**Ad hoc groups established at MPEG 124**

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| **Name** | **AHG on Genomic Information Representation** | | | | | | | | | | | | | | |
| **Mandates** | 1. To disseminate the information on the activities jointly carried out by ISO/IEC JTC 1/SC 29/WG 11 and ISO TC 276/WG 5 to other ISO TC and other organizations. 2. To discuss and coordinate a collaboration with GATK development team to support MPEG-G as native format. 3. To discuss and coordinate MPEG contributions to relevant bioinformatics conferences and events. 4. To contribute to the editing and to the revision of the DIS of Part-1, Part-2, Part-3 and for the CDs of Part-4 and Part-5. 5. To finalize the collection and definition of test item descriptions and binary streams for Conformance testing. 6. To identify work items for MPEG-G Version 2. 7. To stimulate the collection of new content in line with new and emerging sequencing technologies. 8. To investigate anonymization methods for genomic data and understand how MPEG-G can support their implementation. | | | | | | | | | | | | | | |
| **Chairmen** | M. Golebiewsky (HITS), J. Delgado (UPC), M. Mattavelli (EPFL) | | | | | | | | | | | | | | |
| **Duration** | 125th MPEG meeting | | | | | | | | | | | | | | |
| **Reflector(s)** | genome\_compression@listes.epfl.ch | | | | | | | | | | | | | | |
| **Subscribe** | To subscribe, send email to genome\_compression-subscribe@listes.epfl.ch | | | | | | | | | | | | | | |
|  |  | | | | | | | | |  | | | | |  |
| **Meeting** | Yes | | | | | | | | | Room Size | | | | | 20 |
| Saturday and Sunday before the 125 MPEG | | | | | | | | |  | | | | | |
| **Name** | **AHG on Compact Descriptors for Video Analysis (CDVA)** | | | | | | | | | | | | | | |
| **Mandates** | 1. To maintain the data set, the test model CXM 6.1 and the evaluation software. 2. To improve conformance and reference software. 3. To promote CDVA to the industry. | | | | | | | | | | | | | | |
| **Chairmen** | Werner Bailer, Lingyu Duan | | | | | | | | | | | | | | |
| **Duration** | until 125th meeting | | | | | | | | | | | | | | |
| **Reflector(s)** | cdvs-tnt@listserv.uni-hannover.de | | | | | | | | | | | | | | |
| **Subscribe** | To subscribe or unsubscribe, send email to listserv@listserv.uni-hannover.de with message subscribe cdvs-t | | | | | | | | | | | | | | |
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| **Meeting** | Sunday prior to MPEG meeting (14.00-17.00) | | | | | | | | | | | | | | Room Size 10 |
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| **Name** | **AHG on MMT** | | | | | | | | | | | | | | |
| **Mandates** | 1. Execute work plan on the conformance 2. Study working drafts and the documents related to MMT under ballot 3. Study on ISO/IEC 23008-1 AMD 3 and WD of Implementation Guidelines 3rd edition and solicit contributions to improve them 4. Keep relevant SDOs informed about MMT (ITU-T SG 16, ARIB, 3GPP, ATSC, etc.) | | | | | | | | | | | | | | |
| **Chairmen** | Imed Bouazizi | | | | | | | | | | | | | | |
| **Duration** | Until MPEG meeting #125 | | | | | | | | | | | | | | |
| **Reflector(s)** | MMT-TNT@listserv.uni-hannover.de | | | | | | | | | | | | | | |
| **Subscribe** | MMT-TNT-request@listserv.uni-hannover.de | | | | | | | | | | | | | | |
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| **Meeting** | Sunday 09:00-13:00 | | | | | | | | | Room Size | | | | | 15 |
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| **Name** | **AHG on Compressed Representation of Neural Networks** | | | | | | | | | | | | | | |
| **Mandates** | 1. Refine use cases and requirements and improve test data for further use cases 2. Develop the evaluation framework further 3. Continue analyzing the state of the art in NN compression and exchange formats 4. Continue interaction with SC42, FG ML5G, NNEF, ONNX and the AI/ML community | | | | | | | | | | | | | | |
| **Chairmen** | Werner Bailer (werner.bailer@joanneum.at)  Sungmoon Chun (smchun@insignal.co.kr) | | | | | | | | | | | | | | |
| **Duration** | until 125th meeting | | | | | | | | | | | | | | |
| **Reflector(s)** | mpeg-nnr@lists.aau.at | | | | | | | | | | | | | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-nnr | | | | | | | | | | | | | | |
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| **Meeting** | Sunday prior to 125th meeting (9:00-13:00) | | | | | | | | | Room Size | | | | | 30 |
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| **Name** | **AhG on PCC** | | | | | | | | | | | | | | |
| **Mandates** | 1. Finalize editing of V-PCC CD 2. Produce fourth version of the Working Draft for G-PCC 3. Update the TMs (SW and documentation) during the editing period 4. Initiate activities on the V-PCC Reference SW 5. Update the CTC and provide updated anchor points 6. Conduct the PCC Core Experiments 7. Solicit contributions on profiles and conformance for V-PCC 8. Coordinate scientific and technical dissemination of PCC 9. Solicit additional data sets for all categories 10. Solicit contributions related to structuring the PCC tools in MPEG-I | | | | | | | | | | | | | | |
| **Chairmen** | Ralf Schaefer (Chair), Khaled Mammou, Madhukar Budagavi | | | | | | | | | | | | | | |
| **Duration** | Until 125th MPEG Meeting | | | | | | | | | | | | | | |
| **Reflector(s)** | mpeg-3dgc AT gti. ssr. upm. es | | | | | | | | | | | | | | |
| **Subscribe** | To subscribe, send email to https://mx.gti.ssr.upm.es/mailman/listinfo/mpeg-3dgc | | | | | | | | | | | | | | |
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| **Meeting** | Saturday before the MPEG meeting | | | | | | | | | Room Size | | | | | 80 |
| Sunday before the MPEG meeting | | | | | | | | | 09h00 to 18h00 | | | | | |
| **Name** | **AhG on IoMT** | | | | | | | | | | | | | | | |
| **Mandates** | 1. Produce the DISs within the editing period. 2. Coordinate the activity related to reference software and conformance 3. Solicit contributions and coordinate the editing of the IoMT White Paper | | | | | | | | | | | | | | | |
| **Chairmen** | Mihai Mitrea, Sang-Kyun Kim, Sungmoon Chun | | | | | | | | | | | | | | | |
| **Duration** | Until 125th MPEG Meeting | | | | | | | | | | | | | | | |
| **Reflector(s)** | MIoTW@lists.aau.at | | | | | | | | | | | | | | | |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/options/MIoTW | | | | | | | | | | | | | | | |
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| **Meeting** | Sunday before the MPEG meeting | Room Size | | | | | | | | 20 | | | | | | |
| 14h00 to 18h00 |  | | | | | | | | | | | | | | |
| **Name** | **AHG on MPEG Roadmap** | | | | | | | | | | | | | | | |
| **Mandates** | 1. To review and improve the MPEG Standardisation Roadmap (presentation and document) 2. To discuss and prepare promotional activities, including SMPTE Fall | | | | | | | | | | | | | | | |
| **Chairmen** | Rob Koenen, rob.koenen@tno.nl  Walt Husak, WJH@dolby.com  Euee Jang, esjang@hanyang.ac.kr | | | | | | | | | | | | | | | |
| **Duration** | Until MPEG 125 | | | | | | | | | | | | | | | |
| **Reflector(s)** | mpegvision@lists.aau.at | | | | | | | | | | | | | | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpegvision | | | | | | | | | | | | | | | |
| **Meeting** |  | | Room Size | | | | | | | | | | | | | |
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| **Name** | **AHG on MPEG-I Architecture and Requirements** | | | | | | | | | | | | | | | |
| **Mandates** | 1. To refine and verify the architecture(s) for Immersive Services (N17888) 2. To study N18071 (Draft Requirements for Immersive Media Access and Delivery), and to propose detailed requirements, starting with the decoder interface 3. To study the existing file format concepts (tracks, groups, etc.) in the context of immersive media storage and identify any missing logical structures for immersive media storage 4. To integrate audio interactivity, delivery and rendering into the architectures in N17888 5. To further develop the requirements MPEG-I phase 2, which includes integrating Audio requirements (N17926) 6. To refine the integrated project plan for MPEG-I (N17933) 7. To update the “Overview of Immersive Media Standards” (17930) | | | | | | | | | | | | | | | |
| **Chairmen** | Thomas Stockhammer (tsto@qti.qualcomm.com)  Mary-Luc Champel (mary-luc.champel@technicolor.com)  Jaeyeon Song (jy\_song@samsung.com)  Schuyler Quackenbush (srq@audioresearchlabs.com)  Rob Koenen (rob@tiledmedia.com) | | | | | | | | | | | | | | | |
| **Duration** | Until MPEG 125 | | | | | | | | | | | | | | | |
| **Reflector(s)** | mpeg-i@lists.aau.at | | | | | | | | | | | | | | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i | | | | | | | | | | | | | | | |
| **Meeting** | Sunday morning prior to MPEG 125, 09:00 - 13:00 | | Room Size | | | | | | | | | | | 50 (can be the same as Scene Description AHG room) | | |
| Two conference calls may be scheduled | |  | | | | | | | | | | | | | |
| **Name** | **AHG on Data Compression** | | | | | | | | | | | | | | | |
| **Mandates** | 1. Complete missing chapters and sections in N18000 2. Execute the actions identified in sectionss 5 of all chapters 2 to 11 of N18000 | | | | | | | | | | | | | | | |
| **Chairmen** | Leonardo Chairiglione (leonardo@chiariglione.org) | | | | | | | | | | | | | | | |
| **Duration** | until 125th MPEG Meeting | | | | | | | | | | | | | | | |
| **Reflector(s)** | mpeg-workplan@lists.aau.at | | | | | | | | | | | | | | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-workplan | | | | | | | | | | | | | | | |
| **Meeting** | Sunday prior to 125th meeting (16:00-18:00) | | Room Size | | | | | | | | 30 | | | | | |
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| **Name** | **AHG on Scene Description for MPEG-I** | | | | | | | | | | | | | | | |
| **Mandates** | 1. Select and document set of existing external scene description formats to be used as reference for MPEG-I system design 2. Refine the requirements in N17747 based on the findings in mandate 1 3. Identify relevant MPEG standardization aspects based on the above two findings | | | | | | | | | | | | | | | |
| **Chairmen** | Imed Bouazizi  Thomas Stockhammer | | | | | | | | | | | | | | | |
| **Duration** | Until MPEG meeting #125 | | | | | | | | | | | | | | | |
| **Reflector(s)** | mpeg-i@lists.aau.at | | | | | | | | | | | | | | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i | | | | | | | | | | | | | | | |
| **Meeting** | Sunday 14:00-18:00 | Room Size | | | | | 40 | | | | | | | | | |
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| **Name** | **AHG on System technologies for Point Cloud Coding** | | | | | | | | | | | | | | | |
| **Mandates** | 1. Study Working Draft and bring contributions to improve it. 2. Study single track encapsulation in ISOBMFF for PCC 3. Identify and document static and dynamic metadata and define appropriate signaling of these 4. Study signaling of profiles and conformance for compressed point clouds | | | | | | | | | | | | | | | |
| **Chairmen** | Youngkwon Lim, Sebastian Schwarz | | | | | | | | | | | | | | | |
| **Duration** | Until MPEG meeting #125 | | | | | | | | | | | | | | | |
| **Reflector(s)** | mpeg-3dgc@gti.ssr.upm.es and mp4-sys@lists.aau.at (messages should be sent to both reflectors) | | | | | | | | | | | | | | | |
| **Subscribe** |  | | | | | | | | | | | | | | | |
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| **Meeting** |  | | Room Size | | | | | | | | | | | | | |
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| **Name** | **AHG on Common Media AF** | | | | | | | | | | | | | | | |
| **Mandates** | 1. Study the text of Amd 3 and solicit feedback 2. Study the TuC and solicit further input and feedback 3. Study the Exploration document and provide feedback 4. Solicit further contributions on CMAF conformance and test vectors | | | | | | | | | | | | | | | |
| **Chairmen** | Krasimir Kolarov; John Simmons; Cyril Concolato | | | | | | | | | | | | | | | |
| **Duration** | until 125th meeting | | | | | | | | | | | | | | | |
| **Reflector(s)** | mpeg-cmaf@lists.aau.at | | | | | | | | | | | | | | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-cmaf | | | | | | | | | | | | | | | |
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| **Meeting** |  | | Room Size | | | | | | | | | | | | | |
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| **Name** | **AHG on MPEG MORE** | | | | | | | | | | | | | | | |
| **Mandates** | 1. To work on Reference SW, Test Vectors and Conformance for MPEG MORE 2. To consider additions to the MORE specification that help fulfilling NBMP requirements, to be included in AMD1 of MORE 3. To further prepare AMD1 of MORE | | | | | | | | | | | | | | | |
| **Chairmen** | - Rob Koenen, rob.koenen@gmail.com  - Krishna Chandramouli, krishna.chandramouli@qmul.ac.uk  - Oskar van Deventer, oskar.vandeventer@tno.nl | | | | | | | | | | | | | | | |
| **Duration** | Until MPEG 125 | | | | | | | | | | | | | | | |
| **Reflector(s)** | gen-sys@lists.uni-klu.ac.at | | | | | | | | | | | | | | | |
| **Subscribe** | http://lists.uni-klu.ac.at/mailman/listinfo/gen-sys | | | | | | | | | | | | | | | |
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| **Meeting** | None before MPEG 125 | Room Size | | | |  | | | | | | | | | | |  |
| Conference Calls may be scheduled | | | | | | | | | | | | | | | |  |
| **Name** | **AHG on Application Formats** | | | | | | | | | | | | | | | |
| **Mandates** | 1. Multi-Image Application Format    1. Study conformance and reference software for MIAF    2. Continue communication with WG1 on HEIF and JPEG-XR in particular 2. Visual Identity Management Application Format    1. Study DIS and solicit contributions to improve it.    2. Contribute to the development of content sensitive encryption specification | | | | | | | | | | | | | | | |
| **Chairmen** | Krasimir Kolarov, Youngkwon Lim | | | | | | | | | | | | | | | |
| **Duration** | until 125th meeting | | | | | | | | | | | | | | | |
| **Reflector(s)** | mpeg-maf-dev@lists.aau.at | | | | | | | | | | | | | | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-maf-dev | | | | | | | | | | | | | | | |
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| **Meeting** |  | | Room Size | | | | | | | | | | | | | |
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| **Name** | **AhG on MPEG DASH** | | | | | | | | | | | | | | | |
| **Mandates** | 1. Solicit input on ISO/IEC 23009-1:2014 DAM5 (N18057), and Study of ISO/IEC 23009-1:2014 DCOR3 (N17951). 2. Study technologies under consideration (TuC; N17952) and defects under investigation (DuI; N17978). 3. Continue to work on conformance and reference software. | | | | | | | | | | | | | | | |
| **Chairmen** | Christian Timmerer, Ali C. Begen, Iraj Sodagar | | | | | | | | | | | | | | | |
| **Duration** | Until MPEG 125 | | | | | | | | | | | | | | | |
| **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 MPEG-I Visual Technologies** | | | | | | | | | | | | | | | |
| **Mandates** | 1. Prepare for the final call for proposal of 3DoF+ Visual 2. Call for test materials for MPEG-I Visual 3. Define and verify common test conditions of 3DoF+ and Windowed 6DoF 4. Continue developing software platform for 3DoF+ 5. Carry out exploration experiments on Windowed 6DoF and Omnidirectional 6DoF 6. Carry out exploration experiments on compression of dense representation of light field video | | | | | | | | | | | | | | | |
| **Chairmen** | Lu Yu (chair), Gauthier Lafruit, Joel Jung, Bart Kroon, Jill Boyce (co-chairs) | | | | | | | | | | | | | | | |
| **Duration** | Until 125th meeting | | | | | | | | | | | | | | | |
| **Reflector(s)** | mpeg-i-visual@lists.aau.at | | | | | | | | | | | | | | | |
| **Subscribe** | https://lists.aau.at/mailman/listinfo/mpeg-i-visual | | | | | | | | | | | | | | | |
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| **Meeting** | Saturday afternoon and Sunday | | Room Size | | | | | | | | | 40 | | | | |
| Nov. 13 on CTC cross-check  Dec. 4 on CfP | |  | | | | | | | | | | | | | |
| **Name** | **AHG on Network Based Media Processing (NBMP)** | | | | | | | | | | | | | | | |
| **Mandates** | 1. Study the WD of NBMP and solicit technical contributions to improve it. 2. Conduct CEs and propose improvement of WD based on outcome of CEs. 3. Study the relationship with existing MPEG standard (e.g., MORE, MPEG-M). 4. Study network based support of MPEG-I use cases. 5. Develop the plan for collaboration with other relevant SDOs, e.g., 3GPP SA4. | | | | | | | | | | | | | | | |
| **Chairmen** | Kyungmo Park (SK Telecom)  Rufael Mekuria (Unified Streaming Platform) | | | | | | | | | | | | | | | |
| **Duration** | Until MPEG 125 | | | | | | | | | | | | | | | |
| **Reflector(s)** | mpeg-nbmp@lists.aau.at | | | | | | | | | | | | | | | |
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| **Meeting** | F2F AhG, Dec. 6, 0900 to Dec. 7, 1800 (@NY, US) | | Room Size | | | | | | | | | 30 | | | | |
| Saturday before MPEG 125, 0900 to 1800 | |  | | | | | | | | | | | | | |
| **Name** | **AHG on MPEG-I Audio and Audio Maintenance** | | | | | | | | | | | | | | | |
| **Mandates** | 1. Execute Workplan on MPEG-4 Audio Fifth Edition 2. Execute Workplan on MPEG-I Audio 3. Review and Discuss MPEG-I Audio Architecture 4. Identify and collect test material for MPEG-I Audio 5. Study MPEG-I Audio Scene Format 6. Maintain Audio-related conformance data and reference software | | | | | | | | | | | | | | | |
| **Chairmen** | Schuyler Quackenbush (ARL) srq at audioresearchlabs . com | | | | | | | | | | | | | | | |
| **Duration** | Until 125th MPEG Meeting | | | | | | | | | | | | | | | |
| **Reflector(s)** | mpeg-audio-call@audioresearchlabs.com | | | | | | | | | | | | | | | |
| **Subscribe** | * To subscribe or unsubscribe to the list, send email to the AhG Chair * To post on the mailing list, send email to mpeg-audio-call@ audioresearchlabs.com   Note that posting is blocked for non-members | | | | | | | | | | | | | | | |
|  |  | | | |  | | | | | | | | | | | |  |
| **Meeting** | F2F meeting 0900-1800 on Sunday prior to 125th MPEG meeting at MPEG meeting venue on topic of MPEG-I Audio Architecture and Audio Scene Format | | | | Room Size | | | | | | | | 40 | | | |
| GoToMeeting Web AhG meeting Wed Nov 28 1000-1200 Eastern | | | |  | | | | | | | | | | | |
| **Name** | **AHG on MPEG File Formats** | | | | | | | | | | | | | | | |
| **Mandates** | 1. Support the groups using the file formats (including audio, DASH, CMAF, OMAF, MORE, MIAF et al.) 2. Study the Technologies under Consideration and Working Draft documents and propose improvements. Study the defect reports and propose corrigendum text. 3. Maintain and update the conformance streams, reference software, white papers and one-pagers, and registration authority, as needed. 4. Study the space efficiency of movie fragments and propose compactness improvements, including building a collection of files using sample groups, dependency flags etc.. Study the compactness of common encryption. 5. Check the specifications for unregistered MIME types and parameters and start registering them. Check the specifications and cross-reference to the Registration Authority and update registrations as needed. 6. Study track-run re-ordering to optimize handling of cancelled transfers and FEC. | | | | | | | | | | | | | | | |
| **Chairmen** | David Singer (Apple) and Per Fröjdh (Ericsson) | | | | | | | | | | | | | | | |
| **Duration** | Until next meeting | | | | | | | | | | | | | | | |
| **Reflector(s)** | mp4-sys@lists.aau.at | | | | | | | | | | | | | | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/mp4-sys | | | | | | | | | | | | | | | |
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| **Meeting** |  | | Room Size | | | | | 0 | | | | | | | | |
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| **Name** | **AHG on a New Video Coding Standard** | | | | | | | | | | | | | | | |
| **Mandates** | 1. Facilitate registration of responses to Call for Proposals for a New Video Coding Standard 2. Perform an initial analysis of the responses | | | | | | | | | | | | | | | |
| **Chairmen** | Ken McCann | | | | | | | | | | | | | | | |
| **Duration** | Until MPEG meeting 125 | | | | | | | | | | | | | | | |
| **Reflector(s)** | mpeg-nvc@lists.aau.at | | | | | | | | | | | | | | | |
| **Subscribe** | http://lists.aau.at/mailman/listinfo/mpeg-nvc | | | | | | | | | | | | | | | |
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| **Meeting** | Saturday and Sunday before 125th MPEG | | | Room Size | | | | | 50 | | | | | | | |
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