

**ISO/IEC JTC 1/SC 29/WG 11 N18539**

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

**Coding of moving pictures and audio**

**Convenorship: UNI (Italy)**

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| **Document type:** | **Meeting Agenda** |
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| **Title:** | **Agenda of the 127th WG 11 meeting** |
|  |  |
| **Status:** | **Draft** |
|  |  |
| **Date of document:** | **2019-04-01** |
|  |  |
| **Source:** | **JTC 1/SC 29/WG 11 Secretary** |
|  |  |
| **Expected action:** | **INFO** |
|  |  |
| **No. of pages:** |  |
|  |  |
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**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 N18539**

**Gothenburg, SE – July 2019**

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| **Source:** | **Leonardo Chiariglione** |
| **Title:** | **Agenda of the 127th WG 11 meeting** |

**Agenda of the 127th WG 11 meeting**

1. Opening
2. Roll call of participants
3. Approval of agenda
4. Allocation of contributions
5. Communications from Convenor
6. Report of previous meetings
7. Workplan

Legend

|  |  |  |
| --- | --- | --- |
| Std | ISO/IEC | Title |
| 1 | 11172 | Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s |
| 2 | 13818 | Generic coding of moving pictures and associated audio information |
| 4 | 14496 | Coding of audio-visual objects |
| 7 | 15938 | Multimedia content description interface |
| 21 | 21000 | Multimedia Framework |
| A | 23000 | Multimedia Application Formats |
| B | 23001 | MPEG systems technologies |
| C | 23002 | MPEG video technologies |
| D | 23003 | MPEG audio technologies |
| E | 23004 | Multimedia Middleware |
| V | 23005 | Media context and control |
| M | 23006 | Multimedia service platform technologies |
| U | 23007 | Rich media user interfaces |
| H | 23008 | High efficiency coding and media delivery in heterogeneous environments |
| DASH | 23009 | Dynamic adaptive streaming over HTTP (DASH) |
| I | 23090 | Coded representation of immersive media |
| CICP | 23091 | Coding-Independent Code-Points |
| G | 23092 | Genomic Information Representation |
| IoMT | 23093 | Internet of Media Things |
| 5 | 23094 | General Video Coding |
| Exp |  | Explorations |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Std | Pt | Title | Type | E# | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 |
| 2 | 1 | Carriage of JPEG XS in MPEG-2 TS | AMD | 1 | **FDAM** |  |  |  |  |  |  |  |  |  |  |
| 2 | 1 | Carriage of associated CMAF boxes for audio-visual elementary streams in MPEG-2 TS | AMD | 2 | **PDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |
| 4 | 3 | Audio | STD | 5 |  |  |  |  |  |  |  |  |  |  |  |
| 4 | 12 | Box relative data addressing | AMD | 2 |  |  |  |  |  |  |  |  |  |  |  |
| 4 | 12 | Corrected audio handling | AMD | 3 | **FDAM** |  |  |  |  |  |  |  |  |  |  |
| 4 | 12 | Compact movie fragments | AMD | 4 | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| 4 | 22 | Colour font technology and other updates | AMD | 1 | **DAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |
| 4 | 34 | Registration Authority for MPEG-4 | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |
| 7 | 16 | Conformance and Reference Software for Compact Descriptors for Video Analysis | STD | 1 | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| 7 | 17 | Compressed Representation of Neural Networks | STD | 1 | **WD** | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |
| A | 19 | HEVC Media Profiles update, new CMAF Structural Brand and other improvements | AMD | 3 | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |  |
| A | 21 | Reference Software and Conformance for Visual Identity Management Application Format | AMD | 1 | **PDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |
| B | 7 | Multi-Keyed Samples, Content Sensitive Encryption and Item Protection | AMD | 1 | **FDAM** |  |  |  |  |  |  |  |  |  |  |
| B | 13 | Multimedia Orchestration Reference Software | AMD | 1 | **PDAM** | **PDAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |
| B | 14 | Partial File Format | STD | 2 | **WD** | **DIS** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| B | 15 | Carriage of Web Resource in ISOBMFF | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |
| D | 3 | Unified Speech and Audio Coding | STD | 2 |  |  |  |  |  |  |  |  |  |  |  |
| D | 5 | Uncompressed Audio in MP4 FF | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |
| V | 7 | Reference Software and Conformance | STD | 4 | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| H | 1 | MPEG Media Transport | STD | 3 |  |  |  |  |  |  |  |  |  |  |  |
| H | 1 | Support of FCAST | AMD | 1 | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| H | 1 | MPEG Media Transport CDN support | AMD | 3 |  |  |  |  |  |  |  |  |  |  |  |
| H | 2 | Additional supplemental enhancement information for HEVC | AMD | 1 | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| H | 3 | Additional Metadata | AMD | 5 |  |  |  |  |  |  |  |  |  |  |  |
| H | 4 | MMT Reference Software with Network Capabilities | AMD | 1 |  |  |  |  |  |  |  |  |  |  |  |
| H | 4 | Support for MMTP extensions | AMD | 2 | **PDAM** | **DAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |
| H | 6 | 3D audio reference software | STD | 2 |  |  |  |  |  |  |  |  |  |  |  |
| H | 7 | MMT Conformance Testing | STD | 1 | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| H | 8 | Conformance testing for Screen Content Coding | AMD | 1 |  |  |  |  |  |  |  |  |  |  |  |
| H | 10 | Window-based FEC code | AMD | 1 | **PDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |
| H | 12 | Stereo entity type and other stuff | AMD | 1 | **PDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |
| H | 13 | MPEG Media Transport Implementation Guidelines | TR | 4 | **PDTR** | **PDTR** | **TR** |  |  |  |  |  |  |  |  |
| DASH | 1 | Media Presentation Description and Segment Formats | STD | 4 | **FDIS** |  |  |  |  |  |  |  |  |  |  |
| DASH | 1 | Client event and timed metadata processing | AMD | 1 | **PDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |
| DASH | 1 | Device information and other extensions | AMD | 5 |  |  |  |  |  |  |  |  |  |  |  |
| DASH | 2 | Conformance and reference software regarding SRD, SAND and Server Push | AMD | 1 |  |  |  |  |  |  |  |  |  |  |  |
| DASH | 3 | MPEG-DASH Implementation Guidelines | TR | 2 | **PDTR** | **TR** |  |  |  |  |  |  |  |  |  |
| DASH | 4 | Format Independent Segment encryption and authentication/COR 1 | COR | 1 | **COR** |  |  |  |  |  |  |  |  |  |  |
| DASH | 5 | Improvements on SAND messages | AMD | 1 | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |  |
| DASH | 7 | Delivery of CMAF content with DASH | TR | 1 | **PDTR** | **TR** |  |  |  |  |  |  |  |  |  |
| DASH | 8 | Session based DASH operations | STD | 1 | **CD** | **DIS** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| I | 2 | Omnidirectional MediA Format | STD | 2 | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| I | 3 | Versatile Video Coding | STD | 1 | **CD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| I | 4 | Immersive Audio | STD | 1 |  |  | **CfP** | **CfP** | **WD** | **WD** | **CD** | **CD** | **DIS** | **DIS** | **FDIS** |
| I | 5 | Video-based Point Cloud Compression | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |
| I | 6 | Immersive Media Metrics | STD | 1 | **CD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| I | 7 | Immersive Media Metadata | STD | 1 | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| I | 8 | Network-Based Media Processing | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |
| I | 9 | Geometry-based Point Cloud Compression | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |
| I | 10 | Carriage of Point Cloud Data | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |
| I | 11 | Implementation Guidelines for Network-based Media Processing | STD | 1 |  |  |  |  |  |  |  |  |  |  |  |
| CICP | 4 | Usage of video signal type code points | TR | 1 |  |  |  |  |  |  |  |  |  |  |  |
| CICP | 4 | Usage of video signal type code points second edition | TR | 2 | **WD** | **WD** | **PDTR** | **TR** |  |  |  |  |  |  |  |
| G | 3 | API and Metadata | STD | 1 |  |  |  |  |  |  |  |  |  |  |  |
| G | 4 | Reference software and conformance | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |
| G | 5 | Conformance | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |
| G | 6 | Genomic Annotation Representation | STD | 1 | **CfP** | **WD** | **WD** | **CD** | **DIS** | **FDIS** |  |  |  |  |  |
| IOMT | 1 | IoMT Architecture | STD | 1 | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| IOMT | 2 | IoMT Discovery and Communication API | STD | 1 |  |  |  |  |  |  |  |  |  |  |  |
| IOMT | 3 | IoMT Media Data Formats and API | STD | 1 |  |  |  |  |  |  |  |  |  |  |  |
| IOMT | 4 | IoMT Reference Software and Conformance | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |
| 5 | 1 | Essential Video Coding | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |
| 5 | 2 | Low Complexity Enhancement Video Coding | STD | 1 | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| Exp | 7 | Immersive video - 6DoF | EXP | 2 | **EXP** | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |
| Exp | 7 | Compression of dense representation of light fields | EXP | 3 | **EXP** | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |
| Exp | 28 | In-advance signalling of MPEG containers content | EXP | 1 |  |  |  |  |  |  |  |  |  |  |  |
| Exp | 32 | Data Compression | EXP | 1 | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| Exp | 33 | MPEG-21 Based Smart Contracts | STD | 1 | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |

1. Ad hoc group reports
   1. AHG on MPEG-5 Essential Video Coding
   2. AhG on Low Complexity Enhancement Video Codec
   3. AHG on MPEG-I Visual
   4. AHG on MPEG-I Audio and Audio Maintenance
   5. AhG on Point Cloud Coding
   6. AHG on Genomic Information Representation
   7. AHG on common MPEG and GA4GH standardization activities
   8. AHG on Compressed Representation of Neural Networks
   9. AHG on Data Compression
   10. AHG on Compact Descriptors for Video Analysis (CDVA)
   11. AHG on MPEG File Formats
   12. AhG on MMT
   13. AHG on MPEG-DASH
   14. AHG on MPEG MORE
   15. AHG on System technologies for Point Cloud Coding
   16. AHG on Systems technologies for VVC
   17. AHG on Omnidirectional MediA Format (OMAF)
   18. AHG on MPEG-I Architecture and Requirements
   19. AHG on Scene Description for MPEG-I
   20. AHG on Application Formats
   21. AHG on Common Media AF
   22. AHG on Network Based Media Processing (NBMP)
   23. AhG on IoMT
   24. AHG on MPEG Roadmap
2. Organisation of this meeting
   1. Tasks for subgroups
   2. Joint meetings
   3. Room assignment
3. WG management
   1. Terms of reference
   2. Officers
   3. Editors
   4. Liaisons
   5. Work item assignment
   6. Ad hoc groups
   7. Asset management
      1. Reference software
      2. Conformance
      3. Test material
      4. URI
   8. IPR management
4. Work plan and time line
5. Administrative matters
   1. Schedule of future MPEG meetings
   2. Promotional activities
   3. Press release
6. Conclusions of this meeting
7. A.O.B.
8. Closing