

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

**Coding of moving pictures and audio**

**Convenorship: UNI (Italy)**

**ISO/IEC JTC 1/SC 29/WG 11 N19170**

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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 N19170**

**Alpbach, AT – April 2020**

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| **Source:** | **Convenor** |
| **Title:** | **Agenda of 130th meeting** |

**Agenda of 130th meeting**

1. Opening
2. Roll call of participants
3. Approval of agenda
4. Allocation of contributions
5. Communications from Convenor (incl. Code of Conduct)
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 |
| Expl |  | Explorations |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Std** | **Pt** | **Title** | **E#** | **129** | **130** | **131** | **132** | **133** | **134** | **135** | **136** | **137** | **138** | **139** |
| 2 | 1 | Carriage of VVC in MPEG-2 TS | 2 | CDAM | CDAM | DAM | DAM | FDAM |  |  |  |  |  |  |
| 2 | 1 | Corrigendum | 1 | DCOR | COR |  |  |  |  |  |  |  |  |  |
| 4 | 10 | Items for future corrections of spec | 10 | WD | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |
| 4 | 12 | Compact movie fragments | 4 | DAM | DAM | FDAM |  |  |  |  |  |  |  |  |
| 4 | 12 | EventMessage Track Format | 5 | WD | CDAM | DAM | DAM | FDAM |  |  |  |  |  |  |
| 4 | 15 | HEVC Carriage Improvements | 1 | DAM | FDAM |  |  |  |  |  |  |  |  |  |
| 4 | 15 | Carriage of VVC in ISOBMFF | 2 | CDAM | CDAM | DAM | DAM | FDAM |  |  |  |  |  |  |
| 4 | 22 | Colour font technology and other updates | 1 | FDAM |  |  |  |  |  |  |  |  |  |  |
| 4 | 24 | Second Edition | 1 | TR |  |  |  |  |  |  |  |  |  |  |
| 4 | 32 | Reference Software and Conformance for File Format | 2 | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |  |
| 4 | 34 | Registration Authority for MPEG-4 | 1 | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |  |
| 7 | 16 | Conformance and Reference Software for Compact Descriptors for Video Analysis | 1 | FDIS |  |  |  |  |  |  |  |  |  |  |
| 7 | 17 | Compressed Representation of Neural Networks | 1 | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |  |
| 21 | 22 | User Description | 3 | WD | WD | WD | CD | DIS | DIS | FDIS |  |  |  |  |
| A | 19 | Additional CMAF HEVC media profiles | 1 | CDAM | CDAM | DAM | DAM | FDAM |  |  |  |  |  |  |
| A | 21 | Reference Software and Conformance for Visual Identity Management Application Format | 1 | DAM | DAM | FDAM |  |  |  |  |  |  |  |  |
| A | 22 | Reference Software and Conformance for Multi Image Application Format | 1 | CDAM | CDAM | DAM | DAM | FDAM |  |  |  |  |  |  |
| B | 10 | Support for guided transcoding and spatial relationships | 1 | CDAM | CDAM | DAM | DAM | FDAM |  |  |  |  |  |  |
| B | 13 | Multimedia Orchestration Reference Software | 1 | WD | WD | CDAM | DAM | DAM | FDAM |  |  |  |  |  |
| B | 14 | Partial File Format | 2 | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |  |
| B | 14 | Support for HTTP entities, enhanced file type and byte-range priority | 1 |  | WD | CDAM | DAM | DAM | FDAM |  |  |  |  |  |
| B | 16 | Derived Visual Tracks in ISOBMFF | 1 | WD | DIS | DIS | DIS | FDIS |  |  |  |  |  |  |
| C | 7 | Supplemental enhancement information messages for coded video bitstreams | 1 | DIS | DIS | FDIS |  |  |  |  |  |  |  |  |
| D | 5 | Uncompressed Audio in MP4 FF | 1 | FDIS |  |  |  |  |  |  |  |  |  |  |
| H | 1 | Support of FCAST | 1 | CDAM | DAM | DAM | FDAM |  |  |  |  |  |  |  |
| H | 2 | Items for future modifications of spec | 5 | WD | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |
| H | 2 | Additional supplemental enhancement information for HEVC | 1 | FDAM |  |  |  |  |  |  |  |  |  |  |
| H | 2 | Shutter interval supplemental enhancement information | 2 | WD | CDAM | DAM | DAM | FDAM |  |  |  |  |  |  |
| H | 3 | Corrections and Improvements on 3D Audio | 2 | DAM | DAM | FDAM |  |  |  |  |  |  |  |  |
| H | 4 | Support for MMTP extensions | 1 | CDAM | DAM | DAM | FDAM |  |  |  |  |  |  |  |
| H | 7 | MMT Conformance Testing | 1 | DIS | DIS | DIS | FDIS |  |  |  |  |  |  |  |
| H | 10 | Window-based FEC code | 1 | DAM | FDAM |  |  |  |  |  |  |  |  |  |
| H | 12 | support for predictive image coding, bursts, bracketing, and other improvements | 1 | DAM | FDAM |  |  |  |  |  |  |  |  |  |
| H | 13 | MPEG Media Transport Implementation Guidelines | 4 | WD | PDTR | TR |  |  |  |  |  |  |  |  |
| DASH | 1 | CMAF support, events processing model and other extensions | 1 | DAM | DAM | FDAM |  |  |  |  |  |  |  |  |
| DASH | 3 | MPEG-DASH Implementation Guidelines | 2 | WD | WD | PDTR | PDTR | TR |  |  |  |  |  |  |
| DASH | 4 | Format Independent Segment encryption and authentication/COR 1 | 1 | DCOR | COR |  |  |  |  |  |  |  |  |  |
| DASH | 7 | Delivery of CMAF content with DASH | 1 | WD | PDTR | PDTR | TR |  |  |  |  |  |  |  |
| DASH | 8 | Session based DASH operations | 1 | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |  |
| I | 2 | Omnidirectional MediA Format | 2 | DIS | DIS | FDIS |  |  |  |  |  |  |  |  |
| I | 3 | Versatile Video Coding | 1 | DIS | DIS | FDIS |  |  |  |  |  |  |  |  |
| I | 4 | Immersive Audio | 1 |  | CfP | CfP | CfP | WD | WD | WD | CD | DIS | DIS | FDIS |
| I | 5 | Video-based Point Cloud Compression | 1 | DIS | FDIS |  |  |  |  |  |  |  |  |  |
| I | 6 | Immersive Media Metrics | 1 | DIS | DIS | DIS | DIS | FDIS |  |  |  |  |  |  |
| I | 7 | Immersive Media Metadata | 1 | WD | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |
| I | 7 | Immersive Audio Metadata | 1 |  |  |  |  |  |  |  |  |  |  |  |
| I | 7 | Immersive Video Metadata | 1 |  |  |  |  |  |  |  |  |  |  |  |
| I | 8 | Network-Based Media Processing | 1 | FDIS |  |  |  |  |  |  |  |  |  |  |
| I | 8 | NBMP Function Templates | 1 | WD | CDAM | DAM | DAM | FDAM |  |  |  |  |  |  |
| I | 9 | Geometry-based Point Cloud Compression | 1 | DIS | DIS | DIS | FDIS |  |  |  |  |  |  |  |
| I | 10 | Carriage of Point Cloud Data | 1 | CD | DIS | DIS | FDIS |  |  |  |  |  |  |  |
| I | 11 | Implementation Guidelines for Network-based Media Processing | 1 | WD | WD | PDTR | TR |  |  |  |  |  |  |  |
| I | 12 | Immersive Video | 1 | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |  |
| I | 13 | Multi-Decoder Video Interface for Immersive Media | 1 | WD | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |
| I | 14 | Extensions to Scene Descriptions for Real-time Media | 1 | WD | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |
| I | 15 | VVC Conformance | 1 | WD | WD | WD | CD | DIS | DIS | FDIS |  |  |  |  |
| I | 16 | VVC Reference Software | 1 |  |  | WD | CD | DIS | DIS | FDIS |  |  |  |  |
| I | 17 | Reference Software and Conformance for OMAF | 1 | CD | CD | DIS | DIS | DIS | FDIS |  |  |  |  |  |
| I | 18 | Carriage of Geometry-based Point Cloud Compression Data | 1 | WD | WD | CD | CD | DIS | DIS |  |  |  |  |  |
| CICP | 2 | Items for future corrections of spec | 2 | WD | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |
| CICP | 4 | Usage of video signal type code points | 2 | TR |  |  |  |  |  |  |  |  |  |  |
| G | 1 | Transport and storage of genomic information | 2 | DIS | FDIS |  |  |  |  |  |  |  |  |  |
| G | 2 | Genomic Information Representation | 2 | DIS | FDIS |  |  |  |  |  |  |  |  |  |
| G | 4 | Reference software and conformance | 1 | DIS | FDIS |  |  |  |  |  |  |  |  |  |
| G | 5 | Conformance | 1 | DIS | FDIS |  |  |  |  |  |  |  |  |  |
| G | 6 | Genomic Annotation Representation | 1 |  | WD | CD | DIS | FDIS |  |  |  |  |  |  |
| IOMT | 4 | IoMT Reference Software and Conformance | 1 | DIS | FDIS |  |  |  |  |  |  |  |  |  |
| 5 | 1 | Essential Video Coding | 1 | DIS | FDIS |  |  |  |  |  |  |  |  |  |
| 5 | 2 | Low Complexity Enhancement Video Coding | 1 | CD | DIS | DIS | FDIS |  |  |  |  |  |  |  |
| 5 | 3 | Carriage of EVC in MPEG Systems | 1 |  |  |  |  |  |  |  |  |  |  |  |
| 5 | 4 | Conformance and Reference Software of Essential Video Coding | 1 | WD | CD | DIS | DIS | FDIS |  |  |  |  |  |  |
| Expl | 7 | Immersive video - 6DoF | 2 | EXP | EXP |  |  |  |  |  |  |  |  |  |
| Expl | 7 | Compression of dense representation of light fields | 3 | EXP | EXP |  |  |  |  |  |  |  |  |  |
| Expl | 28 | In-advance signalling of MPEG containers content | 1 | EXP |  |  |  |  |  |  |  |  |  |  |
| Expl | 32 | Data Compression | 1 | EXP |  |  |  |  |  |  |  |  |  |  |
| Expl | 33 | MPEG-21 Based Smart Contracts | 1 | EXP | EXP |  |  |  |  |  |  |  |  |  |
| Expl | 34 | Video Coding for Machines | 1 | EXP | EXP |  |  |  |  |  |  |  |  |  |
| Expl | 35 | 5G Opportunities | 1 | EXP | EXP |  |  |  |  |  |  |  |  |  |

1. Ad hoc group reports
   1. MPEG-5 Essential Video Coding
   2. Low Complexity Enhancement Video Coding
   3. MPEG-I Visual
   4. Video Decoding Interface
   5. Video Coding for Machines
   6. MPEG-I Audio and Audio Maintenance
   7. Point Cloud Compression
   8. Font Format
   9. Genomic Information Representation
   10. Compression of Neural Networks for Multimedia Content Description and Analysis
   11. MPEG-21 Contracts to Smart Contracts
   12. MPEG UD
   13. Omnidirectional MediA Format (OMAF)
   14. Network-Based Media Processing
   15. Systems Technologies for PCC
   16. MPEG-I Architecture and Requirements
   17. Scene Description for MPEG-I
   18. MPEG DASH
   19. MPEG File Formats
   20. Application Formats
   21. MPEG Media Transport
   22. IoMT
   23. MPEG & 5G
   24. MPEG Organization and Processes
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
   8. IPR management
4. Work plan and timeline
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