

**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 N18754**

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

**CODING OF MOVING PICTURES AND AUDIO**

**ISO/IEC JTC 1/SC 29/WG 11 N18754**

**Geneva, CH – October 2019**

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| **Source:** | **Convenor** |
| **Title:** | **WG 11 time line** |

**WG 11 time line**

Legend 1

|  |  |  |
| --- | --- | --- |
| 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 |

Legend 2

|  |  |  |
| --- | --- | --- |
| **Meeting** | **Month** | **Year** |
| 127 | 07 | 19 |
| 128 | 10 | 19 |
| 129 | 01 | 20 |
| 130 | 04 | 20 |
| 131 | 07 | 20 |
| 132 | 10 | 20 |
| 133 | 01 | 21 |
| 134 | 04 | 21 |
| 135 | 07 | 21 |
| 136 | 10 | 21 |
| 137 | 01 | 22 |
| 138 | 04 | 22 |
| 139 | 07 | 22 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Std** | **Pt**  | **Title** | **Type** | **E#** | **128** | **129** | **130** | **131** | **132** | **133** | **134** | **135** | **136** | **137** | **138** | **139** |
| 2 | 1  | Carriage of VVC in MPEG-2 TS | AMD | 2 | **WD** | **WD** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |
| 2 | 1  | Corrigendum | COR | 1 | **DCOR** | **DCOR** | **COR** |  |  |  |  |  |  |  |  |  |
| 4 | 10  | Items for future corrections of spec | EXP | 1 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| 4 | 12  | Compact movie fragments | AMD | 4 | **DAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| 4 | 12  | EventMessage Track Format | AMD | 5 | **WD** | **WD** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |
| 4 | 15  | HEVC Carriage Improvements | AMD | 1 | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |  |
| 4 | 15  | Carriage of VVC in ISOBMFF | AMD | 2 | **WD** | **WD** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |
| 4 | 22  | Colour font technology and other updates | AMD | 1 | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |  |
| 4 | 32  | Reference Software and Conformance for File Format [2nd edtion] | STD | 2 | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| 4 | 34  | Registration Authority for MPEG-4 | STD | 1 | **WD** | **CD** | **DIS** | **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** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| A | 19  | Additional media profile for CMAF | AMD | 1 | **WD** | **WD** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |
| A | 21  | Reference Software and Conformance for Visual Identity Management Application Format | AMD | 1 | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| A | 22  | Reference Software and Conformance for Multi Image Application Format | AMD | 1 | **WD** | **WD** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |
| B | 7  | Common Encryption for ISO Base Media File Format [4th edition] | STD | 4 | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| B | 10  | Carriage of Timed Metadata Metrics of Media in ISO Base Media File Format | STD | 2 | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| B | 13  | Multimedia Orchestration Reference Software | AMD | 1 | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| B | 14  | Partial File Format | STD | 2 | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| B | 16  | Derived Visual Tracks in ISOBMFF | STD | 1 | **WD** | **WD** | **DIS** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| C | 7  | Supplemental enhancement information messages for coded video bitstreams | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| D | 5  | Uncompressed Audio in MP4 FF | STD | 1 | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |  |
| V | 7  | Reference Software and Conformance | STD | 4 | **FDIS** |  |  |  |  |  |  |  |  |  |  |  |
| H | 1  | Support of FCAST | AMD | 1 | **CDAM** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |
| H | 2  | Items for future modifications of spec | EXP | 1 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| H | 2  | Additional supplemental enhancement information for HEVC | AMD | 1 | **FDAM** |  |  |  |  |  |  |  |  |  |  |  |
| H | 3  | Corrections and Improvements on 3D Audio | AMD | 2 | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| H | 4  | Support for MMTP extensions | AMD | 1 | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| 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 | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |  |
| H | 12  | support for predictive image coding, bursts, bracketing, and other improvements | AMD | 1 | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |  |
| H | 13  | MPEG Media Transport Implementation Guidelines | TR | 4 | **WD** | **WD** | **PDTR** | **TR** |  |  |  |  |  |  |  |  |
| DASH | 1  | CMAF support, events processing model and other extensions | AMD | 1 | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| DASH | 3  | MPEG-DASH Implementation Guidelines | TR | 2 | **WD** | **WD** | **WD** | **PDTR** | **PDTR** | **TR** |  |  |  |  |  |  |
| DASH | 4  | Format Independent Segment encryption and authentication/COR 1 | COR | 1 | **DCOR** | **COR** |  |  |  |  |  |  |  |  |  |  |
| DASH | 5  | Improvements on SAND messages | AMD | 1 | **FDAM** |  |  |  |  |  |  |  |  |  |  |  |
| DASH | 7  | Delivery of CMAF content with DASH | TR | 1 | **WD** | **WD** | **PDTR** | **PDTR** | **TR** |  |  |  |  |  |  |  |
| DASH | 8  | Session based DASH operations | STD | 1 | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |
| I | 1  | ISO/IEC NP TR 23090-1 | TR | 1 | **TR** |  |  |  |  |  |  |  |  |  |  |  |
| I | 2  | Omnidirectional MediA Format [2nd edition] | STD | 2 | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |
| I | 2  | Reference software and conformance for OMAF | AMD | 1 | **WD** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |
| I | 3  | Versatile Video Coding | STD | 1 | **DIS** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |
| I | 4  | Immersive Audio | STD | 1 |  | **CfP** | **CfP** | **CfP** | **CfP** | **WD** | **WD** | **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** | **DIS** | **FDIS** |  |  |  |  |  |  |
| I | 7  | Immersive Video Metadata | STD | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| I | 7  | Immersive Audio Metadata | STD | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| I | 7  | Immersive Media Metadata | STD | 1 | **WD** | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |
| I | 8  | Network-Based Media Processing | STD | 1 | **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 | TR | 1 | **WD** | **PDTR** | **TR** |  |  |  |  |  |  |  |  |  |
| I | 12  | Immersive Video | STD | 1 | **WD** | **CD** | **DIS** |  |  |  |  |  |  |  |  |  |
| I | 13  | Multi-Decoder Video Interface for Immersive Media | STD | 1 |  | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| I | 14  | Extensions to Scene Descriptions for Real-time Media | STD | 1 |  | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| CICP | 2  | Items for future corrections of spec | EXP | 1 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| CICP | 4  | Usage of video signal type code points | TR | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| CICP | 4  | Usage of video signal type code points second edition | TR | 2 | **TR** |  |  |  |  |  |  |  |  |  |  |  |
| G | 1  | Corrigendum on Transport | COR | 1 | **DCOR** | **DCOR** |  |  |  |  |  |  |  |  |  |  |
| G | 2  | Corrigendum on Representation | COR | 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 |  | **WD** | **CD** | **DIS** | **FDIS** |  |  |  |  |  |  |  |
| IOMT | 1  | IoMT Architecture | STD | 1 | **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 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| Exp | 7  | Immersive video - 6DoF | EXP | 2 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| Exp | 7  | Compression of dense representation of light fields | EXP | 3 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| Exp | 28  | In-advance signalling of MPEG containers content | EXP | 1 | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |  |
| Exp | 32  | Data Compression | EXP | 1 | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |  |
| Exp | 33  | MPEG-21 Based Smart Contracts | STD | 1 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| Exp | 34  | Video Coding for Machines | EXP | 1 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| Exp | 35  | 5G Opportunities | EXP | 1 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| 5 | 1  | Essential Video Coding | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| 5 | 2  | Low Complexity Enhancement Video Coding | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |