

**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 N18951**

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**INTERNATIONAL ORGANISATION FOR STANDARDISATION**

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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 N18951**

**Brussels, BE – January 2020**

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| **Title:** | **WG11 timeline** |

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| **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 [2nd edtion] | 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 [3rd] | 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 [2nd edition] | 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 second edition | 2 | TR |  |  |  |  |  |  |  |  |  |  |
| G | 1 | 2nd Edition including Corrigendum on Transport | 2 | DIS | FDIS |  |  |  |  |  |  |  |  |  |
| G | 2 | 2nd Edition including Corrigendum on 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 |  |  |  |  |  |  |  |  |  |