**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 N17912**

**Macau, SAR, CN – October 2018**

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| **Source:** | **Leonardo Chiariglione**  |
| **Title:** | **MPEG time line** |

**MPEG time line**

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| **Std** | **Part** | **Title** | **Type** | **E/A/C** | **124** | **125** | **126** | **127** | **128** | **129** | **130** | **131** | **132** |
| MPEG-2 | 1 - Systems | Carriage of JPEG XS in MPEG-2 TS | AMD | 1 | PDAM | DAM | DAM | FDAM |  |  |  |  |  |
| MPEG-2 | 1 - Systems | Carriage of associated CMAF boxes for audio-visual elementary streams in MPEG-2 TS | AMD | 2 |  |  |  |  |  |  |  |  |  |
| MPEG-4 | 3 - Audio | Audio | STD | 5 |  | WD |  |  |  |  |  |  |  |
| MPEG-4 | 10 - Advanced Video Coding | Additional supplemental enhancement information | AMD | 1 | DAM | FDAM |  |  |  |  |  |  |  |
| MPEG-4 | 12 - ISO Base Media File Format | Compact Sample-to-Group, new capabilities for tracks, and other improvements | AMD | 1 | DAM | FDAM |  |  |  |  |  |  |  |
| MPEG-4 | 12 - ISO Base Media File Format | Box relative data addressing | AMD | 2 | PDAM | DAM | DAM | FDAM |  |  |  |  |  |
| MPEG-4 | 12 - ISO Base Media File Format | Corrected audio handling | AMD | 3 |  |  |  |  |  |  |  |  |  |
| MPEG-4 | 15 - Carriage of NAL unit structured video in the ISO Base Media File Format | Additional Brands | AMD | 2 | DAM | FDAM |  |  |  |  |  |  |  |
| MPEG-4 | 15 - Carriage of NAL unit structured video in the ISO Base Media File Format | COR 1 | COR | 1 |  |  |  |  |  |  |  |  |  |
| MPEG-4 | 22 - Open Font Format | Colour font technology and other updates | AMD | 1 |  | WD | PDAM | PDAM | DAM | DAM | DAM | FDAM |  |
| MPEG-4 | 32 - Reference software and conformance for file formats | Reference Software and Conformance for File Format | STD | 1 | DIS | DIS | FDIS |  |  |  |  |  |  |
| MPEG-4 | 34 - Registration Authorities | Registration Authority for MPEG-4 | STD | 1 |  |  |  |  |  |  |  |  |  |
| MPEG-7 | 15 - Compact descriptors for video analysis | Compact Descriptors for Video Analysis | STD | 1 | DIS | FDIS |  |  |  |  |  |  |  |
| MPEG-7 | 16 - Conformance and Reference Software for Compact Descriptors for Video Analysis | Conformance and Reference Software for Compact Descriptors for Video Analysis | STD | 1 | WD | CD | DIS | DIS | FDIS |  |  |  |  |
| MPEG-21 | 22 - User Description | User Description | STD | 2 | DIS | DIS | FDIS |  |  |  |  |  |  |
| MPEG-A | 19 - Common Media Application Format | HEVC Media Profiles update, new CMAF Structural Brand and other improvements | AMD | 3 |  | DAM | DAM | DAM | DAM | FDAM |  |  |  |
| MPEG-A | 21 - Visual Identity Management Application Format | Visual Identity Management Application Format | STD | 1 | DIS | DIS | FDIS |  |  |  |  |  |  |
| MPEG-A | 22 - Multi-Image Application Format | Multi-Image Application Format | STD | 1 | DIS | FDIS |  |  |  |  |  |  |  |
| MPEG-B | 7 - Common Encryption for ISO Base Media File Format Files | Multi-Keyed Samples, Content Sensitive Encryption and Item Protection | AMD | 1 | PDAM | DAM | DAM | DAM |  |  |  |  |  |
| MPEG-B | 10 - Carriage of Timed Metadata Metrics of Media in ISO Base Media File Format | Support for Encoded Region of Interest | AMD | 2 | DAM | FDAM |  |  |  |  |  |  |  |
| MPEG-B | 13 - Media orchestration | Multimedia Orchestration reference Software | AMD | 1 | WD | WD | PDAM | DAM | DAM | DAM | FDAM |  |  |
| MPEG-B | 14 - Partial File Format | Partial File Format | STD | 2 |  | WD | CD | CD | DIS | DIS | DIS | FDIS |  |
| MPEG-B | 15 - Carriage of Web Resources in ISOBMFF | Carriage of Web Resource in ISOBMFF | STD | 1 | DIS | DIS | FDIS |  |  |  |  |  |  |
| MPEG-D | 3 - Unified Speech and Audio Coding | Unified Speech and Audio Coding | STD | 2 | FDIS | FDIS |  |  |  |  |  |  |  |
| MPEG-D | 4 - Dynamic Range Control | ISO/IEC 23003-4:201x [Edition 2] Dynamic Range Control | STD | 2 | FDIS | FDIS |  |  |  |  |  |  |  |
| MPEG-D | 4 - Dynamic Range Control | DRC Conformance | AMD | 3 | FDAM | FDAM |  |  |  |  |  |  |  |
| MPEG-D | 4 - Dynamic Range Control | Dynamic Range Control/Amd.4:201x Conformance | AMD | 4 | FDAM | FDAM |  |  |  |  |  |  |  |
| MPEG-D | 5 - Uncompressed Audio in MP4 FF | Uncompressed Audio in MP4 FF | STD | 1 | WD | WD | CD | DIS | DIS | FDIS |  |  |  |
| MPEG-V | 7 - Reference Software and Conformance | Reference Software and Conformance | STD | 4 | WD | CD | DIS | DIS | FDIS |  |  |  |  |
| MPEG-H | 1 - MPEG Media Transport | MPEG Media Transport | STD | 3 | WD | WD | WD | FDIS |  |  |  |  |  |
| MPEG-H | 1 - MPEG Media Transport | MPEG Media Transport CDN support | AMD | 3 | DAM | DAM | FDAM |  |  |  |  |  |  |
| MPEG-H | 2 - High Efficiency Video Coding | High Efficiency Video Coding | STD | 4 | DIS | DIS | FDIS |  |  |  |  |  |  |
| MPEG-H | 2 - High Efficiency Video Coding | Additional supplemental enhancement information for HEVC | AMD | 1 | WD | PDAM | DAM | DAM | FDAM |  |  |  |  |
| MPEG-H | 4 - MMT Reference Software | MMT Reference Software with Network Capabilities | AMD | 1 | DAM | DAM | FDAM |  |  |  |  |  |  |
| MPEG-H | 6 - 3D Audio Reference Software | 3D audio reference software | STD | 2 | DIS | DIS | FDIS |  |  |  |  |  |  |
| MPEG-H | 7 - MMT Conformance testing | MMT Conformance Testing | STD | 1 | CD | DIS | DIS | FDIS |  |  |  |  |  |
| MPEG-H | 8 - HEVC Conformance testing | Conformance testing for Screen Content Coding | AMD | 1 | DAM | DAM | DAM | FDAM |  |  |  |  |  |
| MPEG-H | 10 - MPEG Media Transport FEC Codes | Window-based FEC code | AMD | 1 | WD | WD | PDAM | PDAM | DAM | DAM | FDAM |  |  |
| MPEG-H | 13 - MMT Implementation Guidelines | MPEG Media Transport Implementation Guidelines | TR | 4 | WD | WD | WD | WD | PDTR | PDTR | TR |  |  |
| MPEG-DASH | 1 - Media presentation description and segment formats | Device information and other extensions | AMD | 5 | PDAM | DAM | DAM | DAM | FDAM |  |  |  |  |
| MPEG-DASH | 1 - Media presentation description and segment formats | Media presentation description and segment formats/Cor.3 | COR | 3 | DCOR | DCOR | COR |  |  |  |  |  |  |
| MPEG-DASH | 2 - Reference software and conformance | Conformance and reference software regarding SRD, SAND and Server Push | AMD | 1 | PDAM | DAM | DAM | FDAM |  |  |  |  |  |
| MPEG-DASH | 3 - Implementation guidelines | MPEG-DASH Implementation Guidelines | TR | 2 | WD | WD | WD | PDTR | TR |  |  |  |  |
| MPEG-DASH | 7 - Delivery of CMAF content with DASH | Delivery of CMAF content with DASH | TR | 1 | WD | WD | PDTR | TR |  |  |  |  |  |
| MPEG-I | 2 - Omnidirectional MediA Format | Interactivity support for OMAF | STD | 2 | WD | WD | WD | CD | DIS | DIS | FDIS |  |  |
| MPEG-I | 3 - Versatile Video Coding | Versatile Video Coding | STD | 1 | WD | WD | WD | WD | CD | CD | DIS | DIS | FDIS |
| MPEG-I | 4 - Immersive Audio | Immersive Audio | STD | 2 |  |  |  | CfP | CfP | CfP | WD | WD | CD |
| MPEG-I | 5 - Video-based Point Cloud Compression | Video-based Point Cloud Compression | STD | 1 | WD | CD | CD | DIS | DIS | FDIS |  |  |  |
| MPEG-I | 6 - Immersive Media Metrics | Immersive Media Metrics | STD | 1 | WD | WD | WD | CD | DIS | DIS | DIS |  |  |
| MPEG-I | 7 - Immersive Media Metadata | Immersive Media Metadata | STD | 1 | WD | WD | WD | WD | WD | CD | DIS | DIS | FDIS |
| MPEG-I | 8 - Network-based Media Processing | Network-Based Media Processing | STD | 1 | WD | WD | CD | CD | DIS | DIS | FDIS |  |  |
| MPEG-I | 9 - Geometry-based Point Cloud Compression | Geometry-based Point Cloud Compression | STD | 1 |  | WD | WD | CD | CD | DIS | DIS | FDIS |  |
| MPEG-CICP | 4 - Usage of video signal type code points | Usage of video signal type code points | TR | 1 | WD | PDTR | TR |  |  |  |  |  |  |
| MPEG-G | 1 - Transport and Storage of Genomic Information | Transport and Storage of Genomic Information | STD | 1 | DIS | DIS | FDIS |  |  |  |  |  |  |
| MPEG-G | 2 - Genomic Information Representation | Genomic Information Representation | STD | 1 | DIS | DIS | FDIS |  |  |  |  |  |  |
| MPEG-G | 3 - Genomic Information Metadata and Application Programming Interfaces (APIs) | API and Metadata | STD | 1 | CD | DIS | DIS | FDIS |  |  |  |  |  |
| MPEG-G | 4 - Reference Software | Reference software and conformance | STD | 1 | CD | CD | DIS | FDIS |  |  |  |  |  |
| MPEG-G | 5 - Conformance | Conformance | STD | 1 | WD | CD | DIS | DIS | FDIS |  |  |  |  |
| MPEG-IOMT | 1 - IoMT Architecture | IoMT Architecture | STD | 1 | CD | DIS | DIS | FDIS |  |  |  |  |  |
| MPEG-IOMT | 2 - IoMT Discovery and Communication API | IoMT Discovery and Communication API | STD | 1 | CD | DIS | DIS | FDIS |  |  |  |  |  |
| MPEG-IOMT | 3 - IoMT Media Data Formats and API | IoMT Media Data Formats and API | STD | 1 | CD | DIS | DIS | FDIS |  |  |  |  |  |
| MPEG-IOMT | 4 - IoMT Reference Software and Conformance | IoMT Reference Software and Conformance | STD | 1 |  | WD | WD | CD | CD | DIS | DIS | FDIS |  |
| Explorations | 7 - Immersive Video | Immersive video - 3DoF+ | EXP | 1 | EXP | EXP | CfP |  |  |  |  |  |  |
| Explorations | 7 - Immersive Video | Immersive video - 6DoF | EXP | 2 | EXP | EXP | EXP | EXP |  |  |  |  |  |
| Explorations | 7 - Immersive Video | Compression of dense representation of light fields | EXP | 3 | EXP | EXP | EXP | EXP |  |  |  |  |  |
| Explorations | 11 - Future Video Coding | Future Video Coding | EXP | 1 | EXP | CfP |  |  |  |  |  |  |  |
| Explorations | 28 - In advance signalling of MPEG containers content | In-advance signalling of MPEG containers content | EXP | 1 | EXP | EXP |  |  |  |  |  |  |  |
| Explorations | 29 - Compressed representation of neural networks | Compressed Representation of Neural Networks | EXP | 1 | EXP | CfP | CfP |  |  |  |  |  |  |
| Explorations | 31 - Low Complexity Video Coding Enhancements | Capability Extension of Existing Video Codec | EXP | 31 | EXP | CfP |  |  |  |  |  |  |  |