**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 N18328**

**Geneva, CH – March 2019**

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| **Source:** | **Leonardo Chiariglione** |
| **Title:** | **WG 11 timeline** |

**WG 11 timeline**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Std** | **Pt** | **Title** | **Type** | **E#** | **125** | **126** | **127** | **128** | | | **129** | | **130** | | **131** | | **132** | |
| 2 | **1** | Carriage of JPEG XS in MPEG-2 TS | AMD | 1 | **DAM** | **FDAM** |  |  | | |  | |  | |  | |  | |
| 2 | **1** | Carriage of associated CMAF boxes for AV elementary streams in MPEG-2 TS | AMD | 2 | **WD** | **PDAM** | **DAM** | **DAM** | | | **FDAM** | |  | |  | |  | |
| 4 | **3** | Audio | STD | 5 | **FDIS** |  |  |  | | |  | |  | |  | |  | |
| 4 | **10** | Additional supplemental enhancement information | AMD | 1 |  |  |  |  | | |  | |  | |  | |  | |
| 4 | **12** | Box relative data addressing | AMD | 2 | **DAM** | **FDAM** |  |  | | |  | |  | |  | |  | |
| 4 | **12** | Corrected audio handling | AMD | 3 | **DAM** | **DAM** | **FDAM** |  | | |  | |  | |  | |  | |
| 4 | **15** | Carriage of NAL unit structured video in the ISO Base Media File Format | STD | 5 | **FDIS** |  |  |  | | |  | |  | |  | |  | |
| 4 | **22** | Colour font technology and other updates | AMD | 1 | **PDAM** | **PDAM** | **DAM** | **DAM** | | | **DAM** | | **FDAM** | |  | |  | |
| 4 | **32** | Reference Software and Conformance for File Format | STD | 1 | **FDIS** |  |  |  | | |  | |  | |  | |  | |
| 4 | **34** | Registration Authority for MPEG-4 | STD | 1 | **WD** | **CD** | **DIS** | **DIS** | | | **FDIS** | |  | |  | |  | |
| 7 | **16** | Conformance and Reference Software for CDVA | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** | | |  | |  | |  | |  | |
| 21 | **22** | User Description | STD | 2 | **FDIS** |  |  |  | | |  | |  | |  | |  | |
| A | **19** | HEVC Media Profiles update, new CMAF Structural Brand and other improvements | AMD | 3 | **DAM** | **DAM** | **DAM** | **FDAM** | | |  | |  | |  | |  | |
| A | **21** | Visual Identity Management Application Format | STD | 1 | **FDIS** |  |  |  | | |  | |  | |  | |  | |
| B | **7** | Multi-Keyed Samples, Content Sensitive Encryption and Item Protection | AMD | 1 | **DAM** | **DAM** | **FDAM** |  | | |  | |  | |  | |  | |
| B | **13** | Multimedia Orchestration Reference Software | AMD | 1 | **WD** | **PDAM** | **DAM** | **DAM** | | | **FDAM** | |  | |  | |  | |
| B | **14** | Partial File Format | STD | 2 | **WD** | **WD** | **WD** | **DIS** | | | **DIS** | | **DIS** | | **FDIS** | |  | |
| B | **15** | Carriage of Web Resource in ISOBMFF | STD | 1 | **DIS** | **DIS** | **DIS** | **DIS** | | | **FDIS** | |  | |  | |  | |
| D | **3** | Unified Speech and Audio Coding | STD | 2 | **FDIS** |  |  |  | | |  | |  | |  | |  | |
| D | **4** | DRC Conformance | AMD | 3 |  |  |  |  | | |  | |  | |  | |  | |
| D | **4** | Dynamic Range Control Conformance | AMD | 4 |  |  |  |  | | |  | |  | |  | |  | |
| D | **5** | Uncompressed Audio in MP4 FF | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** | | |  | |  | |  | |  | |
| V | **7** | Reference Software and Conformance | STD | 4 | **CD** | **DIS** | **DIS** | **FDIS** | | |  | |  | |  | |  | |
| H | **1** | MPEG Media Transport | STD | 3 | **WD** | **FDIS** |  |  | | |  | |  | |  | |  | |
| H | **1** | MPEG Media Transport CDN support | AMD | 3 | **DAM** | **FDAM** |  |  | | |  | |  | |  | |  | |
| H | **2** | High Efficiency Video Coding | STD | 4 | **FDIS** |  |  |  | | |  | |  | |  | |  | |
| H | **2** | Additional SEI for HEVC | AMD | 1 | **PDAM** | **DAM** | **DAM** | **FDAM** | | |  | |  | |  | |  | |
| H | **4** | MMT Reference Software with Network Capabilities | AMD | 1 | **DAM** | **FDAM** |  |  | | |  | |  | |  | |  | |
| H | **4** | Support for MMTP extensions | AMD | 2 | **WD** | **WD** | **PDAM** | **DAM** | | | **DAM** | | **DAM** | | **FDAM** | |  | |
| H | **6** | 3D audio reference software | STD | 2 | **DIS** | **FDIS** |  |  | | |  | |  | |  | |  | |
| H | **7** | MMT Conformance Testing | STD | 1 | **DIS** | **DIS** | **DIS** | **FDIS** | | |  | |  | |  | |  | |
| H | **8** | Conformance testing for SCC | AMD | 1 | **DAM** | **FDAM** |  |  | | |  | |  | |  | |  | |
| H | **10** | Window-based FEC code | AMD | 1 | **WD** | **PDAM** | **DAM** | **DAM** | | | **FDAM** | |  | |  | |  | |
| H | **12** | Image File Format | STD | 3 | **FDIS** |  |  |  | | |  | |  | |  | |  | |
| H | **13** | MMT Implementation Guidelines | TR | 4 | **WD** | **WD** | **PDTR** | **PDTR** | | | **TR** | |  | |  | |  | |
| DASH | **1** | Device information and other extensions | AMD | 5 | **DAM** | **DAM** | **FDAM** |  | | |  | |  | |  | |  | |
| DASH | **1** | Media presentation description and segment formats/Cor.3 | COR | 3 | **COR** |  |  |  | | |  | |  | |  | |  | |
| DASH | **2** | C & RS for SRD, SAND and Server Push | AMD | 1 | **DAM** | **FDAM** |  |  | | |  | |  | |  | |  | |
| DASH | **3** | MPEG-DASH Implementation Guidelines | TR | 2 | **WD** | **PDTR** | **TR** |  | | |  | |  | |  | |  | |
| DASH | **4** | Format Independent Segment encryption and authentication | COR | 1 | **DCOR** | **DCOR** | **COR** |  | | |  | |  | |  | |  | |
| DASH | **7** | Delivery of CMAF content with DASH | TR | 1 | **WD** | **PDTR** | **TR** |  | | |  | |  | |  | |  | |
| DASH | **8** | Session based DASH operations | STD | 1 | **WD** | **WD** | **CD** | **DIS** | | | **DIS** | | **DIS** | | **FDIS** | |  | |
| I | **2** | Omnidirectional MediA Format | STD | 2 | **WD** | **CD** | **DIS** | **DIS** | | | **FDIS** | |  | |  | |  | |
| I | **3** | Versatile Video Coding | STD | 1 | **WD** | **WD** | **WD** | **CD** | | | **DIS** | | **DIS** | | **DIS** | | **FDIS** | |
| I | **4** | Immersive Audio | STD | 1 |  | **CfP** | **CfP** | **CfP** | | | **WD** | | **WD** | | **CD** | |  | |
| I | **5** | Video-based Point Cloud Compression | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** | | |  | |  | |  | |  | |
| I | **6** | Immersive Media Metrics | STD | 1 | **WD** | **WD** | **WD** | **CD** | | | **DIS** | | **DIS** | | **FDIS** | |  | |
| I | **7** | Immersive Media Metadata | STD | 1 | **WD** | **WD** | **WD** | **CD** | | | **DIS** | | **DIS** | | **FDIS** | |  | |
| I | **8** | Network-Based Media Processing | STD | 1 | **CD** | **CD** | **DIS** | **DIS** | | | **FDIS** | |  | |  | |  | |
| I | **9** | Geometry-based Point Cloud Compression | STD | 1 | **WD** | **CD** | **CD** | **DIS** | | | **DIS** | | **FDIS** | |  | |  | |
| I | **10** | Carraige of Point Cloud Data | STD | 1 | **WD** | **CD** | **DIS** | **DIS** | | | **FDIS** | |  | |  | |  | |
| CICP | **4** | Usage of video signal type code points | TR | 1 | **PDTR** | **TR** |  |  | | |  | |  | |  | |  | |
| G | **1** | Transport and Storage of Genomic Information | STD | 1 | **FDIS** |  |  |  | | |  | |  | |  | |  | |
| G | **2** | Genomic Information Representation | STD | 1 | **FDIS** |  |  |  | | |  | |  | |  | |  | |
| G | **3** | API and Metadata | STD | 1 | **DIS** | **FDIS** |  |  | | |  | |  | |  | |  | |
| G | **4** | Reference software and conformance | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** | | |  | |  | |  | |  | |
| G | **5** | Conformance | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** | | |  | |  | |  | |  | |
| IOMT | **1** | IoMT Architecture | STD | 1 | **DIS** | **FDIS** |  |  | | |  | |  | |  | |  | |
| IOMT | **2** | IoMT Discovery and Communication API | STD | 1 | **DIS** | **FDIS** |  |  | | |  | |  | |  | |  | |
| IOMT | **3** | IoMT Media Data Formats and API | STD | 1 | **DIS** | **FDIS** |  |  | | |  | |  | |  | |  | |
| IOMT | **4** | IoMT RS & C | STD | 1 | **WD** | **CD** | **CD** | **DIS** | | | **DIS** | | **FDIS** | |  | |  | |
| 5 | **1** | Essential Video Coding | STD | 1 | **WD** | **CD** | **DIS** | | **DIS** | **FDIS** | |  | |  | |  | |
| Exp | **7** | Immersive video - 3DoF+ | EXP | 1 | **CfP** |  |  |  | | |  | |  | |  | |  | |
| Exp | **7** | Immersive video - 6DoF | EXP | 2 | **EXP** | **EXP** |  |  | | |  | |  | |  | |  | |
| Exp | **7** | Compression of dense representation of light fields | EXP | 3 | **EXP** | **EXP** |  |  | | |  | |  | |  | |  | |
| Exp | **28** | In-advance signalling of MPEG containers content | EXP | 1 | **EXP** |  |  |  | | |  | |  | |  | |  | |
| Exp | **29** | Compressed Representation of Neural Networks | EXP | 1 | **CfP** |  |  |  | | |  | |  | |  | |  | |
| Exp | **31** | Capability Extension of Existing Video Codec | EXP | 31 | **CfP** |  |  |  | | |  | |  | |  | |  | |
| Exp | **32** | Data Compression | EXP | 1 | **CfP** |  |  |  | | |  | |  | |  | |  | |