

**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 N18762**

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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**

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**Geneva, CH – October 2019**

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**Call for patent statements on standards under development**

Legend

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| 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 |

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| **Std** | **Part** | **Title** | **Type** | **E#** |
| **2** | **1** - Systems | Carriage of VVC in MPEG-2 TS | AMD | 2 |
| **4** | **12** - ISO Base Media File Format | Compact movie fragments | AMD | 4 |
| **4** | **12** - ISO Base Media File Format | EventMessage Track Format | AMD | 5 |
| **4** | **15** - Carriage of NAL unit structured video in the ISO Base Media File Format | HEVC Carriage Improvements | AMD | 1 |
| **4** | **15** - Carriage of NAL unit structured video in the ISO Base Media File Format | Carriage of VVC in ISOBMFF | AMD | 2 |
| **4** | **22** - Open Font Format | Colour font technology and other updates | AMD | 1 |
| **4** | **32** - Reference software and conformance for file formats | Reference Software and Conformance for File Format [2nd edtion] | STD | 2 |
| **4** | **34** - Registration Authorities | Registration Authority for MPEG-4 | STD | 1 |
| **7** | **16** - Conformance and Reference Software for Compact Descriptors for Video Analysis | Conformance and Reference Software for Compact Descriptors for Video Analysis | STD | 1 |
| **7** | **17** - Compression of neural networks for multimedia content description and analysis | Compressed Representation of Neural Networks | STD | 1 |
| **A** | **19** - Common Media Application Format | Additional media profile for CMAF | AMD | 1 |
| **A** | **21** - Visual Identity Management Application Format | Reference Software and Conformance for Visual Identity Management Application Format | AMD | 1 |
| **A** | **22** - Multi-Image Application Format | Reference Software and Conformance for Multi Image Application Format | AMD | 1 |
| **B** | **7** - Common Encryption for ISO Base Media File Format Files | Common Encryption for ISO Base Media File Format [4th edition] | STD | 4 |
| **B** | **10** - Carriage of Timed Metadata Metrics of Media in ISO Base Media File Format | Carriage of Timed Metadata Metrics of Media in ISO Base Media File Format | STD | 2 |
| **B** | **13** - Media orchestration | Multimedia Orchestration Reference Software | AMD | 1 |
| **B** | **14** - Partial File Format | Partial File Format | STD | 2 |
| **B** | **16** - Derived Visual Tracks in ISOBMFF | Derived Visual Tracks in ISOBMFF | STD | 1 |
| **C** | **7** - Supplemental enhancement information messages for coded video bitstreams | Supplemental enhancement information messages for coded video bitstreams | STD | 1 |
| **D** | **5** - Uncompressed Audio in MP4 FF | Uncompressed Audio in MP4 FF | STD | 1 |
| **V** | **7** - Reference Software and Conformance | Reference Software and Conformance | STD | 4 |
| **H** | **1** - MPEG Media Transport | Support of FCAST | AMD | 1 |
| **H** | **2** - High Efficiency Video Coding | Additional supplemental enhancement information for HEVC | AMD | 1 |
| **H** | **3** - 3D Audio | Corrections and Improvements on 3D Audio | AMD | 2 |
| **H** | **4** - MMT Reference Software | Support for MMTP extensions | AMD | 1 |
| **H** | **7** - MMT Conformance testing | MMT Conformance Testing | STD | 1 |
| **H** | **8** - HEVC Conformance testing | Conformance testing for Screen Content Coding | AMD | 1 |
| **H** | **10** - MPEG Media Transport FEC Codes | Window-based FEC code | AMD | 1 |
| **H** | **12** - Image File Format | support for predictive image coding, bursts, bracketing, and other improvements | AMD | 1 |
| **DA** | **1** - Media presentation description and segment formats | CMAF support, events processing model and other extensions | AMD | 1 |
| **DA** | **5** - Server and network assisted DASH (SAND) | Improvements on SAND messages | AMD | 1 |
| **DA** | **8** - Session based DASH operations | Session based DASH operations | STD | 1 |
| **I** | **2** - Omnidirectional MediA Format | Omnidirectional MediA Format [2nd edition] | STD | 2 |
| **I** | **2** - Omnidirectional MediA Format | Reference software and conformance for OMAF | AMD | 1 |
| **I** | **3** - Versatile Video Coding | Versatile Video Coding | STD | 1 |
| **I** | **4** - Immersive Audio | Immersive Audio | STD | 1 |
| **I** | **5** - Video-based Point Cloud Compression | Video-based Point Cloud Compression | STD | 1 |
| **I** | **6** - Immersive Media Metrics | Immersive Media Metrics | STD | 1 |
| **I** | **8** - Network-based Media Processing | Network-Based Media Processing | STD | 1 |
| **I** | **9** - Geometry-based Point Cloud Compression | Geometry-based Point Cloud Compression | STD | 1 |
| **I** | **10** - Carriage of Video-based Point Cloud Compression Data | Carriage of Point Cloud Data | STD | 1 |
| **I** | **12** - Immersive Video | Immersive Video | STD | 1 |
| **I** | **13** - Video Decoding Interface for Immersive Media | Multi-Decoder Video Interface for Immersive Media | STD | 1 |
| **I** | **14** - MPEG-I Scene Descriptions | Extensions to Scene Descriptions for Real-time Media | STD | 1 |
| **G** | **4** - Reference Software | Reference software and conformance | STD | 1 |
| **G** | **5** - Conformance | Conformance | STD | 1 |
| **G** | **6** - Genomic Annotation Representation | Genomic Annotation Representation | STD | 1 |
| **Io** | **1** - IoMT Architecture | IoMT Architecture | STD | 1 |
| **Io** | **2** - IoMT Discovery and Communication API | IoMT Discovery and Communication API | STD | 1 |
| **Io** | **3** - IoMT Media Data Formats and API | IoMT Media Data Formats and API | STD | 1 |
| **Io** | **4** - IoMT Reference Software and Conformance | IoMT Reference Software and Conformance | STD | 1 |
| **5** | **1** - Essential Video Coding | Essential Video Coding | STD | 1 |
| **5** | **2** - Low Complexity Enhancement Video Coding | Low Complexity Enhancement Video Coding | STD | 1 |