

**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 N18950**

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| **Email of convenor:**  | **leonardo@chiariglione.org**  |
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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 N18950**

**Brussels, BE – January 2020**

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**WG11 work plan**

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| **Std** | **Part** | **Title of part** | **Title of deliverable** | **Type** | **E#** |
| 2 | 1  | Systems | Carriage of VVC in MPEG-2 TS | AMD | 2 |
| 2 | 1  | Systems | Corrigendum | COR | 1 |
| 4 | 10  | Advanced Video Coding | Items for future corrections of spec | STD | 10 |
| 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 | 24  | Audio-System interaction | Second Edition | TR | 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 |
| 21 | 22  | User Description | User Description [3rd] | STD | 3 |
| A | 19  | Common Media Application Format | Additional CMAF HEVC media profiles | 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 | 10  | Carriage of Timed Metadata Metrics of Media in ISO Base Media File Format | Support for guided transcoding and spatial relationships | AMD | 1 |
| B | 13  | Media orchestration | Multimedia Orchestration Reference Software | AMD | 1 |
| B | 14  | Partial File Format | Partial File Format | STD | 2 |
| B | 14  | Partial File Format | Support for HTTP entities, enhanced file type and byte-range priority | AMD | 1 |
| 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 |
| H | 1  | MPEG Media Transport | Support of FCAST | AMD | 1 |
| H | 2  | High Efficiency Video Coding | Items for future modifications of spec | STD | 5 |
| H | 2  | High Efficiency Video Coding | Additional supplemental enhancement information for HEVC | AMD | 1 |
| H | 2  | High Efficiency Video Coding | Shutter interval supplemental enhancement information | AMD | 2 |
| 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 | 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 |
| H | 13  | MMT Implementation Guidelines | MPEG Media Transport Implementation Guidelines | TR | 4 |
| DASH | 1  | Media presentation description and segment formats | CMAF support, events processing model and other extensions | AMD | 1 |
| DASH | 3  | Implementation guidelines | MPEG-DASH Implementation Guidelines | TR | 2 |
| DASH | 4  | Format Independent Segment encryption and authentication | Format Independent Segment encryption and authentication/COR 1 | COR | 1 |
| DASH | 7  | Delivery of CMAF content with DASH | Delivery of CMAF content with DASH | TR | 1 |
| DASH | 8  | Session based DASH operations | Session based DASH operations | STD | 1 |
| I | 2  | Omnidirectional MediA Format | Omnidirectional MediA Format [2nd edition] | STD | 2 |
| 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 | 7  | Immersive Media Metadata | Immersive Media Metadata | STD | 1 |
| I | 7  | Immersive Media Metadata | Immersive Audio Metadata | STD | 1 |
| I | 7  | Immersive Media Metadata | Immersive Video Metadata | STD | 1 |
| I | 8  | Network-based Media Processing | Network-Based Media Processing | STD | 1 |
| I | 8  | Network-based Media Processing | NBMP Function Templates | AMD | 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 | 11  | Implementation Guidelines for Network-based Media Processing | Implementation Guidelines for Network-based Media Processing | TR | 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  | Scene Description for MPEG Media | Extensions to Scene Descriptions for Real-time Media | STD | 1 |
| I | 15  | Conformance Testing for Versatile Video Coding | VVC Conformance | STD | 1 |
| I | 16  | Reference Software for Versatile Video Coding | VVC Reference Software | STD | 1 |
| I | 17  | Reference Software and Conformance for Omnidirectional MediA Format | Reference Software and Conformance for OMAF | STD | 1 |
| I | 18  | Carriage of Geometry-based Point Cloud Compression Data | Carriage of Geometry-based Point Cloud Compression Data | STD | 1 |
| CICP | 2  | Video | Items for future corrections of spec | STD | 2 |
| CICP | 4  | Usage of video signal type code points | Usage of video signal type code points second edition | TR | 2 |
| G | 1  | Transport and Storage of Genomic Information | 2nd Edition including Corrigendum on Transport | STD | 2 |
| G | 2  | Genomic Information Representation | 2nd Edition including Corrigendum on Representation | STD | 2 |
| 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 |
| IOMT | 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 |
| 5 | 3  | Carriage of Essential Video Coding | Carriage of EVC in MPEG Systems | STD | 1 |
| 5 | 4  | Conformance and Reference Software of Essential Video Coding | Conformance and Reference Software of Essential Video Coding | STD | 1 |
| Expl | 7  | Immersive Video | Immersive video - 6DoF | EXP | 2 |
| Expl | 7  | Immersive Video | Compression of dense representation of light fields | EXP | 3 |
| Expl | 28  | In advance signalling of MPEG containers content | In-advance signalling of MPEG containers content | EXP | 1 |
| Expl | 32  | Data Compression | Data Compression | EXP | 1 |
| Expl | 33  | MPEG-21 Based Smart Contracts | MPEG-21 Based Smart Contracts | STD | 1 |
| Expl | 34  | Video Coding for Machines | Video Coding for Machines | EXP | 1 |
| Expl | 35  | 5G Opportunities | 5G Opportunities | EXP | 1 |