

**ISO/IEC JTC 1/SC 29/WG 11 N18943**

**ISO/IEC JTC 1/SC 29/WG 11**

**Coding of moving pictures and audio**

**Convenorship: UNI (Italy)**

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**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 N18943**

**Brussels, BE – January 2020**

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| **Source:** | **Leonardo Chiariglione**  |
| **Title:** | **Agenda of the 129th WG 11 meeting** |

**Agenda of the 129th WG 11 meeting**

1. Opening
2. Roll call of participants
3. Approval of agenda
4. Allocation of contributions
5. Communications from Convenor (incl. Code of Conduct)
6. Report of previous meetings
7. Workplan

Legend

|  |  |  |
| --- | --- | --- |
| 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 |
| Exp |  | Explorations |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Std** | **Pt**  | **Title** | **Type** | **E#** | **128** | **129** | **130** | **131** | **132** | **133** | **134** | **135** | **136** | **137** | **138** | **139** |
| 2 | 1  | Carriage of VVC in MPEG-2 TS | AMD | 2 | **WD** | **WD** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |
| 2 | 1  | Corrigendum | COR | 1 | **DCOR** | **DCOR** | **COR** |  |  |  |  |  |  |  |  |  |
| 4 | 10  | Items for future corrections of spec | EXP | 1 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| 4 | 12  | Compact movie fragments | AMD | 4 | **DAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| 4 | 12  | EventMessage Track Format | AMD | 5 | **WD** | **WD** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |
| 4 | 15  | HEVC Carriage Improvements | AMD | 1 | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |  |
| 4 | 15  | Carriage of VVC in ISOBMFF | AMD | 2 | **WD** | **WD** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |
| 4 | 22  | Colour font technology and other updates | AMD | 1 | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |  |
| 4 | 32  | Reference Software and Conformance for File Format [2nd edtion] | STD | 2 | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| 4 | 34  | Registration Authority for MPEG-4 | STD | 1 | **WD** | **CD** | **DIS** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| 7 | 16  | Conformance and Reference Software for Compact Descriptors for Video Analysis | STD | 1 | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |  |
| 7 | 17  | Compressed Representation of Neural Networks | STD | 1 | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| A | 19  | Additional media profile for CMAF | AMD | 1 | **WD** | **WD** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |
| A | 21  | Reference Software and Conformance for Visual Identity Management Application Format | AMD | 1 | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| A | 22  | Reference Software and Conformance for Multi Image Application Format | AMD | 1 | **WD** | **WD** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |
| B | 7  | Common Encryption for ISO Base Media File Format [4th edition] | STD | 4 | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| B | 10  | Carriage of Timed Metadata Metrics of Media in ISO Base Media File Format | STD | 2 | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| B | 13  | Multimedia Orchestration Reference Software | AMD | 1 | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| B | 14  | Partial File Format | STD | 2 | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| B | 16  | Derived Visual Tracks in ISOBMFF | STD | 1 | **WD** | **WD** | **DIS** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| C | 7  | Supplemental enhancement information messages for coded video bitstreams | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| D | 5  | Uncompressed Audio in MP4 FF | STD | 1 | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |  |
| V | 7  | Reference Software and Conformance | STD | 4 | **FDIS** |  |  |  |  |  |  |  |  |  |  |  |
| H | 1  | Support of FCAST | AMD | 1 | **CDAM** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |
| H | 2  | Items for future modifications of spec | EXP | 1 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| H | 2  | Additional supplemental enhancement information for HEVC | AMD | 1 | **FDAM** |  |  |  |  |  |  |  |  |  |  |  |
| H | 3  | Corrections and Improvements on 3D Audio | AMD | 2 | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| H | 4  | Support for MMTP extensions | AMD | 1 | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| H | 7  | MMT Conformance Testing | STD | 1 | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |  |
| H | 8  | Conformance testing for Screen Content Coding | AMD | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| H | 10  | Window-based FEC code | AMD | 1 | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |  |
| H | 12  | support for predictive image coding, bursts, bracketing, and other improvements | AMD | 1 | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |  |
| H | 13  | MPEG Media Transport Implementation Guidelines | TR | 4 | **WD** | **WD** | **PDTR** | **TR** |  |  |  |  |  |  |  |  |
| DASH | 1  | CMAF support, events processing model and other extensions | AMD | 1 | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |  |
| DASH | 3  | MPEG-DASH Implementation Guidelines | TR | 2 | **WD** | **WD** | **WD** | **PDTR** | **PDTR** | **TR** |  |  |  |  |  |  |
| DASH | 4  | Format Independent Segment encryption and authentication/COR 1 | COR | 1 | **DCOR** | **COR** |  |  |  |  |  |  |  |  |  |  |
| DASH | 5  | Improvements on SAND messages | AMD | 1 | **FDAM** |  |  |  |  |  |  |  |  |  |  |  |
| DASH | 7  | Delivery of CMAF content with DASH | TR | 1 | **WD** | **WD** | **PDTR** | **PDTR** | **TR** |  |  |  |  |  |  |  |
| DASH | 8  | Session based DASH operations | STD | 1 | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |
| I | 1  | ISO/IEC NP TR 23090-1 | TR | 1 | **TR** |  |  |  |  |  |  |  |  |  |  |  |
| I | 2  | Omnidirectional MediA Format [2nd edition] | STD | 2 | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |
| I | 2  | Reference software and conformance for OMAF | AMD | 1 | **WD** | **CDAM** | **DAM** | **DAM** | **FDAM** |  |  |  |  |  |  |  |
| I | 3  | Versatile Video Coding | STD | 1 | **DIS** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |
| I | 4  | Immersive Audio | STD | 1 |  | **CfP** | **CfP** | **CfP** | **CfP** | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |
| I | 5  | Video-based Point Cloud Compression | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| I | 6  | Immersive Media Metrics | STD | 1 | **CD** | **CD** | **DIS** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| I | 7  | Immersive Video Metadata | STD | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| I | 7  | Immersive Audio Metadata | STD | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| I | 7  | Immersive Media Metadata | STD | 1 | **WD** | **WD** | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |
| I | 8  | Network-Based Media Processing | STD | 1 | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |  |
| I | 9  | Geometry-based Point Cloud Compression | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |
| I | 10  | Carriage of Point Cloud Data | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |
| I | 11  | Implementation Guidelines for Network-based Media Processing | TR | 1 | **WD** | **PDTR** | **TR** |  |  |  |  |  |  |  |  |  |
| I | 12  | Immersive Video | STD | 1 | **WD** | **CD** | **DIS** |  |  |  |  |  |  |  |  |  |
| I | 13  | Multi-Decoder Video Interface for Immersive Media | STD | 1 |  | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| I | 14  | Extensions to Scene Descriptions for Real-time Media | STD | 1 |  | **WD** | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |
| CICP | 2  | Items for future corrections of spec | EXP | 1 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| CICP | 4  | Usage of video signal type code points | TR | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| CICP | 4  | Usage of video signal type code points second edition | TR | 2 | **TR** |  |  |  |  |  |  |  |  |  |  |  |
| G | 1  | Corrigendum on Transport | COR | 1 | **DCOR** | **DCOR** |  |  |  |  |  |  |  |  |  |  |
| G | 2  | Corrigendum on Representation | COR | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| G | 4  | Reference software and conformance | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| G | 5  | Conformance | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| G | 6  | Genomic Annotation Representation | STD | 1 |  | **WD** | **CD** | **DIS** | **FDIS** |  |  |  |  |  |  |  |
| IOMT | 1  | IoMT Architecture | STD | 1 | **FDIS** |  |  |  |  |  |  |  |  |  |  |  |
| IOMT | 2  | IoMT Discovery and Communication API | STD | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| IOMT | 3  | IoMT Media Data Formats and API | STD | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| IOMT | 4  | IoMT Reference Software and Conformance | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| Exp | 7  | Immersive video - 6DoF | EXP | 2 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| Exp | 7  | Compression of dense representation of light fields | EXP | 3 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| Exp | 28  | In-advance signalling of MPEG containers content | EXP | 1 | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |  |
| Exp | 32  | Data Compression | EXP | 1 | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |  |
| Exp | 33  | MPEG-21 Based Smart Contracts | STD | 1 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| Exp | 34  | Video Coding for Machines | EXP | 1 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| Exp | 35  | 5G Opportunities | EXP | 1 | **EXP** | **EXP** | **EXP** |  |  |  |  |  |  |  |  |  |
| 5 | 1  | Essential Video Coding | STD | 1 | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |  |
| 5 | 2  | Low Complexity Enhancement Video Coding | STD | 1 | **CD** | **DIS** | **DIS** | **FDIS** |  |  |  |  |  |  |  |  |

1. Ad hoc group reports
	1. AHG on MPEG-5 Essential Video Coding
	2. AHG on Low Complexity Enhancement Video Coding
	3. AHG on MPEG-I Visual
	4. AHG on Video Decoding Interface
	5. AHG on Video Coding for Machines
	6. AHG on MPEG-I Audio and Audio Maintenance
	7. AhG on Point Cloud Compression
	8. AHG on Genomic Information Representation
	9. AHG on Compression of Neural Networks for Multimedia Content Description and Analysis
	10. AHG on Compact Descriptors for Video Analysis (CDVA)
	11. AHG on MPEG-21 Contracts to Smart Contracts
	12. AHG on Omnidirectional MediA Format (OMAF)
	13. AHG on Network-Based Media Processing
	14. AHG on Systems Technologies for PCC
	15. AHG on MPEG-I Architecture and Requirements
	16. AHG on Scene Description for MPEG-I
	17. AhG on MPEG DASH
	18. AHG on MPEG File Formats
	19. AHG on Application Formats
	20. AHG on MPEG Media Transport
	21. AhG on IoMT
	22. MPEG & 5G
	23. MPEG Organization and Processes
2. Organisation of this meeting
	1. Tasks for subgroups
	2. Joint meetings
	3. Room assignment
3. WG management
	1. Terms of reference
	2. Officers
	3. Editors
	4. Liaisons
	5. Work item assignment
	6. Ad hoc groups
	7. Asset management
		1. Reference software
		2. Conformance
		3. Test material
		4. URI
	8. IPR management
4. Work plan and time line
5. Administrative matters
	1. Schedule of future MPEG meetings
	2. Promotional activities
	3. Press release
6. Conclusions of this meeting
7. A.O.B.
8. Closing