**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 N16157**

**Chengdu, CN – October 2016**

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| **Source:** | **Leonardo Chiariglione**  |
| **Title:** | **Agenda of 11th MPEG meeting** |

**Agenda of 116th MPEG meeting**

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| --- | --- | --- | --- |
|  | **#** | **Title** | **Activity** |
| 1 |  | Opening |  |
| 2 |  | Roll call of participants  |  |
| 3 |  | Approval of agenda  |  |
| 4 |  | Allocation of contributions |  |
| 5 |  | Communications from Convenor |  |
| 6 |  | Report of previous meetings |  |
| 7 |  | Workplan management |  |
|  | 1 | Video coding |  |
|  | 1.1 | Video Coding Independent Code Points |  |
|  | 1.1.1 | Additional code points for colour description |  |
|  | 1.2 | Advanced Video Coding |  |
|  | 1.3 | Video Coding for Browsers |  |
|  | 1.4 | Internet Video Coding | AHG on Internet Video Coding |
|  | 1.5 | HEVC |  |
|  | 1.5.1 | Green Metadata for HEVC SEI message | AHG on Green MPEG |
|  | 1.5.2 | HEVC Progressive High 10 Profile |  |
|  | 1.5.3 | HEVC Additional colour description indicators |  |
|  | 1.5.4 | Picture Repetition Indication in HEVC |  |
|  | 1.5.5 | Conversion and coding practices for HDR/WCG video |  |
|  | 1.6 | New Video Coding | AHG on Network-distributed video coding requirements |
|  | 1.7 | 360ᵒ 2D Video Coding |  |
|  | 1.8 | 360ᵒ 3D Video Coding |  |
|  | 1.9 | Free Viewpoint Television | AHG on FTV |
|  | 1.10 | Light Field Coding | AhG on Light Field Compression |
|  | 2 | Audio coding |  |
|  | 2.1 | Audio Coding Independent Code Point |  |
|  | 2.2 | Advanced Audio Coding |  |
|  | 2.2.1 | Levels and Downmixing Method for 22.2 Channel Programs |  |
|  | 2.3 | MPEG Surround |  |
|  | 2.4 | Spatial Audio Object Coding |  |
|  | 2.5 | Unified Speech and Audio Coding |  |
|  | 2.6 | Dynamic Range Control |  |
|  | 2.6.1 | Support for MPEG-D DRC |  |
|  | 2.6.2 | Parametric DRC, Gain Mapping and Equalization Tools |  |
|  | 2.7 | MPEG-H 3D Audio | AHG on 3D Audio and Audio Maintenance |
|  | 2.7.1 | 3D Audio Profiles |  |
|  | 2.7.2 | Carriage of systems metadata in MPEG-H 3D Audio |  |
|  | 2.8 | Audio Coding for AR/VR |  |
|  | 2.9 | Audio Wave Field Coding |  |
|  | 3 | 3D Graphics | AHG on Graphics compression |
|  | 3.1 | Animation Framework eXtension |  |
|  | 3.1.1 | Metadata for Realistic Material Representation |  |
|  | 3.2 | 3D graphics coding for browsers |  |
|  | 3.3 | Point Cloud Coding |  |
|  | 4 | Font Coding | AHG on Font Format representation |
|  | 4.1 | Font Collection Items |  |
|  | 4.2 | Updated text layout features and implementations |  |
|  | 5 | Digital Items |  |
|  | 5.1 | Media Value Chain Ontology |  |
|  | 5.1.1 | MVCO Extensions on Time Segments and Multi-Track Audio |  |
|  | 5.2 | User Description | AHG on MPEG-21 User Description |
|  | 6 | Media context and control | AHG on MPEG-V |
|  | 6.1 | Media Context and Control – Control Information |  |
|  | 6.2 | Media Context and Control – Sensory Information |  |
|  | 6.3 | Media Context and Control – Virtual World Object Characteristics |  |
|  | 6.4 | Media Context and Control – Data Formats for Interaction Devices |  |
|  | 6.5 | Media Context and Control – Common Types and Tools |  |
|  | 7 | Media Composition |  |
|  | 7.1 | Composition Information |  |
|  | 8 | Genomic Information Representation | AHG on Requirements on Genome Compression and Storage |
|  | 9 | Media Description |  |
|  | 9.1 | MPEG-7 Visual | AHG on MPEG-7 Visual and CDVS |
|  | 9.2 | Compact Descriptors for Visual Search | AHG on MPEG-7 Visual and CDVS |
|  | 9.3 | Compact Descriptors for Video Analysis | AHG on Compact Descriptors for Video Analysis (CDVA) |
|  | 10 | Systems support |  |
|  | 10.1 | Reconfigurable Media Coding | AHG on Reconfigurable Media Coding |
|  | 10.1.1 | FU and FN extensions for Parser Instantiation |  |
|  | 10.1.2 | FU and FN extensions for SHVC and Main10 Profiles of SHVC |  |
|  | 10.1.3 | Tools for Reconfigurable Media Coding Implementations |  |
|  | 10.2 | IPMP |  |
|  | 10.3 | Media orchestration | AHG on Media Orchestration |
|  | 11 | Transport |  |
|  | 11.1 | MPEG-2 Transport Stream |  |
|  | 11.1.1 | Carriage of MPEG-H 3D audio over MPEG-2 Systems |  |
|  | 11.1.2 | Carriage of Quality Metadata in MPEG-2 Systems |  |
|  | 11.1.3 | Virtual segments in MPEG-2 Systems |  |
|  | 11.1.4 | Signaling of carriage of HDR/WCG video in MPEG-2 Systems |  |
|  | 11.1.5 | Ultra-Low-Latency mode and higher resolution support for transport of JPEG 2000 video |  |
|  | 11.2 | ISO Base Media File Format | AHG on MPEG File Formats |
|  | 11.2.1 | DRC file format extensions |  |
|  | 11.2.2 | Support for Image File Format |  |
|  | 11.2.3 | Partial File Storage |  |
|  | 11.2.4 | Support for CTA 708 captioning in SEI message |  |
|  | 11.2.5 | Carriage of ROI coordinates |  |
|  | 11.3 | Carriage of NAL unit structured video in ISO BMFF |  |
|  | 11.3.1 | Enhanced carriage of HEVC |  |
|  | 11.3.2 | Layered coding of images |  |
|  | 11.3.3 | Decode Time Hints |  |
|  | 11.4 | MMT | AHG on MPEG Media Transport |
|  | 11.4.1 | Use of MMT Data in MPEG-H 3D Audio |  |
|  | 11.4.2 | MMT Enhancements for Mobile Environments |  |
|  | 11.4.3 | MMT Implementation Guidelines |  |
|  | 11.4.4 | Image file format |  |
|  | 11.5 | DASH | AHG on MPEG-DASH |
|  | 11.5.1 | Authentication, Access Control and Multiple MPDs |  |
|  | 11.5.2 | Segment Independent SAP Signalling, MPD chaining and other extensions |  |
|  | 11.5.3 | MPEG-DASH Implementation Guidelines |  |
|  | 11.5.4 | Server and Network Assisted DASH |  |
|  | 11.5.5 | DASH with Server Push and WebSockets |  |
|  | 12 | Application Formats | AHG on Application Formats |
|  | 12.1 | Multisensorial Effects Application Format |  |
|  | 12.2 | Omnidirectional Media Application Format |  |
|  | 12.3 | Common Media Application Format | AHG on Common Media AF |
|  | 12.4 | Visual Identity Privacy Management Application Format |  |
|  | 13 | Media Systems |  |
|  | 13.1 | MPEG-V Architecture |  |
|  | 13.2 | MPEG-M Architecture |  |
|  | 13.3 | Mixed and Augmented Reality Reference Model |  |
|  | 13.4 | Virtual Reality | AHG on Virtual Reality |
|  | 13.5 | Internet of Media Things and Wearables | AHG on IoMTW |
|  | 13.6 | Big Media Data | AHG on Big Media |
|  | 14 | Reference implementation |  |
|  | 14.1 | Video |  |
|  | 14.1.1 | Reference Software for MVC plus depth extension of AVC |  |
|  | 14.1.2 | Reference Software for 3D extension of AVC |  |
|  | 14.2 | Reference Software for Video Coding for Browsers |  |
|  | 14.3 | Reference Software for Internet Video Coding |  |
|  | 14.4 | Reference Software for Alternative Depth Information SEI Message |  |
|  | 14.5 | Reference Software for HEVC |  |
|  | 14.6 | Reference Software for HEVC RExt |  |
|  | 14.7 | Reference Software for MV-HEVC |  |
|  | 14.8 | Reference Software for SHVC |  |
|  | 14.9 | Reference Software for 3D-HEVC |  |
|  | 14.10 | Audio |  |
|  | 14.10.1 | Reference Software for MPEG-4 Audio Synchronization |  |
|  | 14.11 | Reference Software for Support for Dynamic Range Control, New Levels for ALS Simple Profile, and Audio Synchronization |  |
|  | 14.12 | Reference Software for MPEG Surround Extensions for 3D Audio |  |
|  | 14.13 | Reference Software for SAOC and SAOC Dialogue |  |
|  | 14.14 | Reference Software for DRC |  |
|  | 14.15 | Reference Software for 3D Audio |  |
|  | 14.16 | 3D Graphics |  |
|  | 14.16.1 | Reference Software for Pattern based 3D mesh compression |  |
|  | 14.17 | Reference Software for Graphics coding for browsers and 3D printing material |  |
|  | 14.18 | Digital Items |  |
|  | 14.18.1 | Reference Software for CEL and MCO |  |
|  | 14.18.2 | Reference Software and Implementation Guidelines of User Description |  |
|  | 14.19 | Media context and control |  |
|  | 14.19.1 | Reference Software for MPEG-V |  |
|  | 14.20 | Media Description |  |
|  | 14.20.1 | Reference Software for MPEG-7 Visual |  |
|  | 14.20.2 | Reference Software for CDVS |  |
|  | 14.21 | Systems support |  |
|  | 14.21.1 | Reference Software for Media Tool Library |  |
|  | 14.22 | Transport |  |
|  | 14.22.1 | Reference Software for File Format |  |
|  | 14.22.2 | Reference Software for Carriage of Green Metadata in an HEVC SEI Message |  |
|  | 14.22.3 | Reference Software for MMT |  |
|  | 14.22.4 | Reference Software for MMT with Network Capabilities |  |
|  | 14.22.5 | Reference Software for MPEG-DASH |  |
|  | 14.23 | Application Formats |  |
|  | 14.23.1 | Reference Software for ARAF |  |
|  | 15 | Conformance |  |
|  | 15.1 | Video |  |
|  | 15.1.1 | Conformance for Multi-resolution Frame Compatible Stereo Coding extension of AVC |  |
|  | 15.1.2 | Conformance for 3D-AVC |  |
|  | 15.1.3 | Conformance for Video Coding for Browsers |  |
|  | 15.1.4 | Conformance for MFC+Depth Extension of AVC |  |
|  | 15.1.5 | Conformance for Internet Video Coding |  |
|  | 15.2 | Conformance for HEVC |  |
|  | 15.3 | Audio |  |
|  | 15.3.1 | Conformance for New levels for AAC profiles and uniDRC support |  |
|  | 15.4 | Additional Conformance for Multichannel |  |
|  | 15.4.1 | Reference Software for MPEG Surround Extensions for 3D Audio |  |
|  | 15.4.2 | Conformance for SAOC and SAOC Dialogue Enhancement |  |
|  | 15.4.3 | Conformance for DRC |  |
|  | 15.4.4 | Conformance for 3D Audio |  |
|  | 15.5 | 3D Graphics |  |
|  | 15.5.1 | Conformance for 3D graphics coding for browsers and 3D printing material |  |
|  | 15.6 | Conformance for Pattern based 3D mesh compression |  |
|  | 15.6.1 | Digital Items |  |
|  | 15.6.2 | Conformance for CEL and MCO |  |
|  | 15.7 | Media context and control |  |
|  | 15.7.1 | Conformance for MPEG-V |  |
|  | 15.8 | Media description |  |
|  | 15.8.1 | Conformance for CDVS |  |
|  | 15.9 | System support |  |
|  | 15.9.1 | Conformance for Green Metadata |  |
|  | 15.9.2 | Conformance for Media Tool Library |  |
|  | 15.10 | Transport |  |
|  | 15.10.1 | Conformance for File Format |  |
|  | 15.10.2 | Conformance for Carriage of Green Metadata in an HEVC SEI Message |  |
|  | 15.11 | Conformance for MMT |  |
|  | 15.12 | Application Formats |  |
|  | 15.12.1 | Conformance for ARAF |  |
|  | 16 | Maintenance |  |
|  | 16.1 | Systems coding standards |  |
|  | 16.2 | Video coding standards |  |
|  | 16.3 | Audio coding standards | AHG on 3D Audio and Audio Maintenance |
|  | 16.4 | 3DG coding standards |  |
|  | 16.5 | Systems description coding standards |  |
|  | 16.6 | Visual description coding standards |  |
|  | 16.7 | Audio description coding standards |  |
|  | 16.8 | MPEG-21 standards |  |
|  | 16.9 | MPEG-A standards |  |
| 8 |  | Organisation of this meeting |  |
|  | 1 | Tasks for subgroups |  |
|  | 2 | Joint meetings |  |
|  | 3 | Room assignment |  |
| 9 |  | WG management |  |
|  | 1 | Terms of reference |  |
|  | 2 | Officers |  |
|  | 3 | Editors |  |
|  | 4 | Liaisons |  |
|  | 5 | Work item assignment |  |
|  | 6 | Ad hoc groups |  |
|  | 7 | Asset management |  |
|  | 7.1 | Reference software |  |
|  | 7.2 | Conformance |  |
|  | 7.3 | Test material |  |
|  | 7.4 | URI |  |
|  | 8 | IPR management |  |
|  | 9 | Facilities  |  |
|  | 10 | Work plan and time line | AHG on MPEG Roadmap |
| 10 |  | Administrative matters |  |
|  | 1 | Schedule of future MPEG meetings |  |
|  | 2 | Promotional activities |  |
|  | 3 | Press release |  |
| 11 |  | Resolutions of this meeting |  |
| 12 |  | A.O.B. |  |
| 13 |  | Closing |  |