**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 N17104**

**Macau, CN – October 2017**

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| **Source:** | **Leonardo Chiariglione** |
| **Title:** | **Agenda of 121th WG 11 meeting** |

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| **#** | **#** | **Title** |  |
| 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 | Advanced Video Coding |  |
|  | 1.1.1 | Progressive High 10 Profile |  |
|  | 1.1.2 | Additional supplemental enhancement information |  |
|  | 1.2 | Internet Video Coding |  |
|  | 1.3 | HEVC |  |
|  | 1.3.1 | Additional colour representation code point |  |
|  | 1.3.2 | Main 10 Still Picture Profile |  |
|  | 1.3.3 | Content Colour Volume SEI Message et al. |  |
|  | 1.3.4 | HEVC Monochrome Profile |  |
|  | 1.3.5 | Signalling, backward compatibility and display adaptation for HDR/WCG video |  |
|  | 1.4 | Future Video Coding |  |
|  | 1.5 | Immersive Video Coding |  |
|  | 1.5.1 | Immersive video – 3DoF |  |
|  | 1.5.2 | Immersive video – 3DoF+ |  |
|  | 1.5.3 | Immersive video – 6DoF |  |
|  | 1.5.4 | Light Field Coding |  |
|  | 1.6 | Video Coding Independent Code Points |  |
|  | 1.6.1 | Video CICP |  |
|  | 1.6.2 | Usage of video signal type code points |  |
|  | 2 | Audio coding |  |
|  | 2.1 | Advanced Audio Coding |  |
|  | 2.1.1 | Levels and Downmixing Method for 22.2 Channel Programs |  |
|  | 2.1.2 | SBR Enhancements |  |
|  | 2.2 | Unified Speech and Audio Coding |  |
|  | 2.2.1 | Stream ID and FF group |  |
|  | 2.3 | Dynamic Range Control |  |
|  | 2.3.1 | Support for MPEG-D DRC |  |
|  | 2.3.2 | DRC Profile |  |
|  | 2.4 | MPEG-H 3D Audio |  |
|  | 2.4.1 | Audio Metadata Enhancements |  |
|  | 2.5 | Immersive Audio Coding |  |
|  | 2.5.1 | Audio Coding for AR/VR |  |
|  | 2.5.2 | Audio Wave Field Coding |  |
|  | 2.6 | Audio Coding Independent Code Point |  |
|  | 3 | 3D Graphics Coding |  |
|  | 3.1 | Point Cloud Coding |  |
|  | 4 | Font Coding |  |
|  | 4.1 | Updated text layout features and implementations |  |
|  | 5 | Media context and control |  |
|  | 5.1 | Media Context and Control – Control Information |  |
|  | 5.2 | Media Context and Control – Sensory Information |  |
|  | 5.3 | Media Context and Control – Virtual World Object Characteristics |  |
|  | 5.4 | Media Context and Control – Data Formats for Interaction Devices |  |
|  | 5.5 | Media Context and Control – Common Types and Tools |  |
|  | 6 | Genome compression |  |
|  | 6.1 | Genomic Information Representation |  |
|  | 7 | Media Description |  |
|  | 7.1 | Compact Descriptors for Video Analysis |  |
|  | 8 | Media Composition |  |
|  | 8.1 | MMT Composition Information |  |
|  | 8.1.1 | Customization in Composition Information |  |
|  | 9 | Digital Items |  |
|  | 9.1 | Media Value Chain Ontology |  |
|  | 9.1.1 | MVCO Extensions on Time Segments and Multi-Track Audio |  |
|  | 9.2 | User Description |  |
|  | 9.2.1 | User Description extensions |  |
|  | 10 | Systems support |  |
|  | 10.1 | Reconfigurable Media Coding |  |
|  | 10.1.1 | FU and FN extensions for SHVC and Main10 Profiles of SHVC |  |
|  | 10.2 | Green Metadata |  |
|  | 10.2.1 | Metrics for complexity prediction model |  |
|  | 10.3 | Media orchestration |  |
|  | 10.4 | Systems CICP |  |
|  | 11 | IPMP |  |
|  | 11.1 | Support for multi-keyed samples |  |
|  | 11.2 | Common encryption format for ISO base media file format |  |
|  | 11.3 | Support of sample variants in MPEG-2 TS |  |
|  | 11.4 | Support for sample variants |  |
|  | 11.5 | Segment encryption and authentication |  |
|  | 12 | Transport |  |
|  | 12.1 | MPEG-2 Transport Stream |  |
|  | 12.1.1 | Ultra-Low-Latency mode and higher resolution support for transport of JPEG 2000 video |  |
|  | 12.1.2 | Carriage of HEVC Tiles |  |
|  | 12.1.3 | Support of Media Orchestration and sample variants in MPEG-2 TS |  |
|  | 12.1.4 | Carriage of HEVC Tiles |  |
|  | 12.2 | ISO Base Media File Format |  |
|  | 12.2.1 | DRC file format extensions |  |
|  | 12.2.2 | Support for Image File Format |  |
|  | 12.2.3 | Carriage of Web Resource in ISOBMFF |  |
|  | 12.2.4 | Compact Sample-to-Group, new capabilities for tracks, and other improvements |  |
|  | 12.2.5 | Support for CTA 708 captioning in SEI message |  |
|  | 12.2.6 | Interactivity Support in File Format |  |
|  | 12.2.7 | Carriage of ROI coordinates |  |
|  | 12.3 | Carriage of NAL unit structured video in ISO BMFF |  |
|  | 12.3.1 | Layered coding of images |  |
|  | 12.3.2 | Handling of Unspecified NAL Unit Types and other improvements |  |
|  | 12.3.3 | Additional Brands |  |
|  | 12.3.4 | Partial File Format |  |
|  | 12.4 | MMT |  |
|  | 12.4.1 | Use of MMT Data in MPEG-H 3D Audio |  |
|  | 12.4.2 | MMT Enhancements for Mobile Environments |  |
|  | 12.4.3 | CDN support |  |
|  | 12.4.4 | Additional FEC codes |  |
|  | 12.4.5 | MMT Implementation Guidelines |  |
|  | 12.4.6 | Support for AVC and JPEG in image file format |  |
|  | 12.5 | DASH |  |
|  | 12.5.1 | Authentication, Access Control and Multiple MPDs |  |
|  | 12.5.2 | MPEG-DASH Implementation Guidelines |  |
|  | 12.5.3 | Delivery of CMAF content with DASH |  |
|  | 12.6 | Immersive media |  |
|  | 12.6.1 | Omnidirectional MediA Format |  |
|  | 12.6.2 | Hybrid natural/synthetic scene data container |  |
|  | 12.7 | Genomic Information Transport |  |
|  | 12.8 | Advance signalling of MPEG containers content |  |
|  | 13 | Application Formats |  |
|  | 13.1 | Common Media Application Format |  |
|  | 13.2 | Multi-Image Application Format |  |
|  | 13.3 | Visual Identity Application Format |  |
|  | 14 | API |  |
|  | 14.1 | Genomic Information API |  |
|  | 14.2 | IoMT Discovery and Communication API |  |
|  | 14.3 | IoMT Media Data Formats and API |  |
|  | 15 | Media Systems |  |
|  | 15.1 | MPEG-V Architecture |  |
|  | 15.2 | MPEG-M Architecture |  |
|  | 15.3 | MPEG-I Architectures |  |
|  | 15.4 | IoMT Architecture |  |
|  | 15.5 | Network Distributed Video Coding |  |
|  | 15.6 | Network Based Media Processing |  |
|  | 15.7 | Mixed and Augmented Reality Reference Model |  |
|  | 16 | Reference implementation |  |
|  | 16.1 | Audio |  |
|  | 16.1.1 | Reference Software for new levels of ALS Simple profile |  |
|  | 16.1.2 | Reference Software for MPEG Surround Extensions for 3D Audio |  |
|  | 16.1.3 | Reference Software for DRC |  |
|  | 16.1.4 | Reference Software for 3D Audio |  |
|  | 16.2 | Digital Items |  |
|  | 16.2.1 | Reference Software and Implementation Guidelines of User Description |  |
|  | 16.3 | Media context and control |  |
|  | 16.3.1 | Reference Software for MPEG-V |  |
|  | 16.4 | Media Description |  |
|  | 16.5 | Digital Item |  |
|  | 16.5.1 | Reference Software for MVCO Extensions |  |
|  | 16.6 | Systems support |  |
|  | 16.6.1 | Reference Software for Media Orchestration |  |
|  | 16.7 | Transport |  |
|  | 16.7.1 | Reference Software for File Format |  |
|  | 16.7.2 | Reference Software for MMT |  |
|  | 16.7.3 | Reference Software for MMT with Network Capabilities |  |
|  | 16.7.4 | Reference software for SRD, SAND and Server Push |  |
|  | 17 | Conformance |  |
|  | 17.1 | Video |  |
|  | 17.1.1 | Conformance for HEVC |  |
|  | 17.2 | Audio |  |
|  | 17.2.1 | Conformance for New levels for AAC profiles and uniDRC support |  |
|  | 17.2.2 | Conformance for new levels of ALS Simple profile |  |
|  | 17.2.3 | Conformance for DRC |  |
|  | 17.2.4 | Conformance for 3D Audio |  |
|  | 17.3 | 3D Graphics |  |
|  | 17.4 | Digital Items |  |
|  | 17.5 | Media context and control |  |
|  | 17.5.1 | Conformance for MPEG-V |  |
|  | 17.6 | Media description |  |
|  | 17.7 | System support |  |
|  | 17.7.1 | Conformance for Media Orchestration |  |
|  | 17.8 | Transport |  |
|  | 17.8.1 | Conformance for File Format |  |
|  | 17.8.2 | Conformance for MMT |  |
|  | 17.8.3 | Conformance for SRD, SAND and Server Push |  |
|  | 17.9 | Application Formats |  |
|  | 17.9.1 | Conformance for CMAF |  |
|  | 18 | Maintenance |  |
|  | 18.1 | Systems coding standards |  |
|  | 18.2 | Video coding standards |  |
|  | 18.3 | Audio coding standards |  |
|  | 18.4 | 3DG coding standards |  |
|  | 18.5 | Systems description coding standards |  |
|  | 18.6 | MPEG-21 standards |  |
|  | 18.7 | 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 |  |
| 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 |  |