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**ORGANISATION INTERNATIONALE DE NORMALISATION**

**ISO/IEC JTC 1/SC 29/WG 03 MPEG SYSTEMS**

**ISO/IEC JTC 1/SC 29/WG 03 N** **1613**

**Geneva, CH – October 2025**

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# Managements

## AHGs

### List of AHG report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m73898 | Plenary | AhG on Application Formats | Krasimir Kolarov; Cyril Concolato; Thomas Stockhammer |  |
| m73869 | Plenary | AhG on Carriage of Green Metadata | Olivier Le Meur, Christian Herglotz |  |
| m73881 | Plenary | AHG on exploration on media type independent metadata | Emmanuel Thomas, Imed Bouazizi, Youngkwon Lim |  |
| m73895 | Plenary | AhG on File Formats | Cyril Concolato and Miska Hannuksela |  |
| m73871 | Plenary | AhG on Font Format | Vladimir Levantovsky |  |
| m73894 | Plenary | AhG on media authenticity and provenance indication with the MPEG Systems technologies | Iraj Sodagar, Youngkwon Lim |  |
| m73893 | Plenary | AhG on MPEG DASH | Iraj Sodagar, Christian Timmerer, Ali C. Begen |  |
| m73900 | Plenary | AHG on MPEG-I Scene Description and Avatar Representation Formats | Thomas Stockhammer,  Mary-Luc Champel, Gaëlle Martin-Cocher |  |
| m73874 | Plenary | AhG on Smart Contracts for Media | Panos Kudumakis and Mirko Zichichi |  |
| m73878 | Plenary | AhG on Syntactic Description Language | Youngkwon Lim |  |
| m73880 | Plenary | AHG on Systems technologies for media coding for machine standards | Jin Young Lee, Sachin Deshpande, Youngkwon Lim |  |
| m73879 | Plenary | AHG on Systems Technologies for Volumetric Media | Youngkwon Lim, Lauri Ilola |  |

### Discussions

All noted.

## Project Management

### List of summary of voting

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74717 | Plenary | Summary of Voting on ISO/IEC FDIS 23090-14 (Ed 2) | ITTF via SC 29 Secretariat | Noted |
| m74719 | Plenary | Summary of Voting on ISO/IEC 23008-12:2025/FDAmd 1 (Ed 3) | ITTF via SC 29 Secretariat | Noted |
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## Liaisons

### List of incoming liaison letters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
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## General technical contributions

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74643 | Plenary | System requirements for GS compression | Imed Bouazizi, Thomas Stockhammer | Noted |
| m74513 | Plenary | Ideas regarding the roundtrip latency permissible for high quality binaural rendering | Karlheinz Brandenburg, Ulrike Sloma | Noted |
|  |  |  |  |  |
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## Discussions

*Refer* [*https://git.mpeg.expert/MPEG/Systems/General/-/issues*](https://git.mpeg.expert/MPEG/Systems/General/-/issues) *for detailed discussion*

### m74643

List of functional requirements of GS and proposal on the GS representation format friendly to the renderer through glTF to achieve such requirements. It is currently defined as MPEG extension. The same extension is proposed to Khronos as a general extension of glTF. As the representation format easily used by render should be output format of the decoder, this should be communicated with other WGs working on compression.

## Demo

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m73943 | Demo | Demo of MPEG ARF Rendering Quality | Joao Regateiro (InterDigital), Philippe-Henri Gosselin (InterDigital), Quentin Avril (InterDigital), FranÃ§ois Le Clerc (InterDigital), Philippe Guillotel (InterDigital) | Thank you! |
| m74108 | Demo | [SD] Proposal for extension of relationship information between MPEG SD nodes | Chae-yeong Song, Dong-hun Lee, Chaewon Moon, Sang-hyo Park, Suhyeon Lee, Jinwoo Jeong, Sungjei Kim | Thank you! |
| m74413 | Demo | [V-DMC] Real-Time 3D Face-Mesh Communication using V-DMC | Aleksei Martemianov, Patrice Rondao Alface, Emre Aksu, Jozsef Szabo, Onni Vilpponen | Thank you! |
| m74480 | Demo | [ARF] Full-Body Avatar Demo | João Regateiro, Quentin.Avril@InterDigital.com, Imed Bouazizi | Thank you! |
| m74566 | Demo | [SD] XR and MPEG-I in 5G-MAG Reference Tools | Thomas Stockhammer, Jordi Gimenez, Nils Duval, | Thank you! |
| m74801 | Demo | [ARF] Unity Interactive Demo | Quentin Avril, João Regateiro, Philippe Guillotel, Philippe Henri Gosselin, Francois Le Clerc | Thank you! |

# MPEG-2 Systems (13818-1)

## 13818-1 10th edition AMD 1 Improvement for the transport of MPEG-Green

### Short Description

### Project status

### Contributions

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| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
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### Summary of Discussions

*Refer* [*https://git.mpeg.expert/groups/MPEG/Systems/MPEG2-System/-/issues*](https://git.mpeg.expert/groups/MPEG/Systems/MPEG2-System/-/issues) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 13818-1 – Systems |  |  |  |  |
| 1632 | WD of ISO/IEC 13818-1 10th edition AMD 1 Improvement for the transport of MPEG-Green data | Karsten Grüneberg | Y | 2025-10-11 | 25606 |

## Others

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
|  |  |  |  |  |
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### Summary of Discussions

*Refer* [*https://git.mpeg.expert/groups/MPEG/Systems/MPEG2-System/-/issues*](https://git.mpeg.expert/groups/MPEG/Systems/MPEG2-System/-/issues) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 13818-1 – Systems |  |  |  |  |
| 1038 | Defects under investigation for ISO/IEC 13818-1 | Karsten Grüneberg | N | 2023-10-20 | 23191 |

# MPEG-4 Systems (14496-1)

## ISO/IEC 14496-1 5th edition

### Short Description

***Motivations:***

***Objective:***

* Remove SDL section

### Project status

<https://sd.iso.org/projects/project/85595/overview>

| **Stage** | **Version** | **Description** | **Go to draft** | **Target date** | **Limit date** | **Started** | **Status** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **50.00** | **1** | **Final text received or FDIS registered for formal approval** |  | **2024-08-12** |  | **2025-01-13** | **Current** |
| 50.20 | 1 | Proof sent to Secretariat or FDIS ballot initiated: 2 months |  |  |  |  | Awaiting |
| 60.60 | 1 | International Standard published |  | 2024-11-29 | 2025-09-01 |  | Awaiting |

### Goal of this meeting

### Contributions

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| Number | Session | Title | Source | Dispositions |
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### Summary of Discussions

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 14496-1 – Systems |  |  |  |  |
| 1248 | DoC on ISO/IEC DIS 14496-1 Systems | Youngkwon Lim | N | 2024-04-26 | 23956 |
| 1249 | Text of ISO/IEC IS 14496-1 Systems | Emmanuel Thomas | N | 2024-06-28 | 23957 |

# ISO Base Media File Format (14496-12)

## ISO/IEC 14496-12 8th edition

### Short Description

***Motivations:***

***Objective:***

### Project status

<https://sd.iso.org/projects/project/85596/overview>

| **Stage** | **Version** | **Description** | **Go to draft** | **Target date** | **Limit date** | **Started** | **Status** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **60.00** | **1** | **International Standard under publication** |  |  |  | **2025-12-29** | **Current** |
| **60.60** | **1** | **International Standard published** |  | **2025-07-30** | **2025-09-01** |  | **Awaiting** |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
|  |  |  |  |  |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/isobmff/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/isobmff/-/issues) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 14496-12 – ISO Base Media File Format |  |  |  |  |
| 1269 | DoC on ISO/IEC 2nd DIS 14496-12 8th edition ISO base media file format | Cyril Concolato | N | 2024-07-19 | 24115 |
| 1471 | Revised text of ISO/IEC FDIS 14496-12 ISO base media file format | Stephan Schreiner | N | 2025-02-07 | 24881 |

## ISO/IEC 14496-12 8th edition AMD 1 Tools for enhanced CMAF and DASH integration

### Short Description

*ISO/IEC 14496-12 specifies the storage of timed media information for a presentation in a flexible, extensible format that facilitates interchange, management, editing, and presentation of the media. This standard has been deployed extensively by the industry, and due to expanding market needs and technology advancements, additional editions of the standard have been published through the years. ISO/IEC 23009-1 (DASH) and ISO/IEC 23001-19 (CMAF) both rely on ISO/IEC 14496-12 have been developed in parallel. This amendment provides tools to facilitate the generation of DASH and CMAF content from ISOBMFF-based files considering such evolution of different specificaiton.*

### Project status

<https://sd.iso.org/projects/project/90190/overview>

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [DIS](https://isotc.iso.org/livelink/eb3/part/view.do?id=510513) | 1 | 2025-10-28 | 2026-01-20 | CREATED |  |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=506313) | 1 | 2025-05-01 | 2025-06-26 | CLOSED | - |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74248 | File Format | [4.1][ISOBMFF] Issue w.r.t. selection\_priority | Stephan Schreiner | Accepted 1641 |
|  |  |  |  |  |
|  |  |  |  |  |

### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/isobmff/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/isobmff/-/issues) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 14496-12 – ISO Base Media File Format |  |  |  |  |
| 1574 | DoC on ISO/IEC 14496-12 8th edition CDAM 1 Tools for enhanced CMAF and DASH integration | Cyril Concolato | N | 2025-07-04 | 25321 |
| 1576 | Text of ISO/IEC 14496-12 8th edition DAM 1 Tools for enhanced CMAF and DASH integration | Emmanouil Potetsianakis | N | 2025-07-18 | 25323 |
| 1641 | Potential improvement of ISO/IEC 14496-12 8th edition DAM 1 Tools for enhanced CMAF and DASH integration | Stephan Schreiner | Y | 2025-10-11 | 25615 |

## ISO/IEC 14496-12 8th edition AMD 2 Carriage of depth and alpha

### Short Description

***Motivations:***

***Objective:***

### Project status

[ISO Projects - ISO/IEC FDIS 14496-12/CD Amd 2 - Overview](https://sd.iso.org/projects/project/92684/overview)

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [DIS](https://isotc.iso.org/livelink/eb3/part/view.do?id=525389) | 1 | 2026-01-11 | 2026-04-05 | CREATED |  |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=509947) | 1 | 2025-08-08 | 2025-10-02 | CLOSED | - |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74725 | File Format | Summary of Voting on ISO/IEC FDIS 14496-12/CD Amd 2 | SC 29 Secretariat | Refer 1639 |
| m73995 | File Format | [FF][AMD2] Depth and video alignment | Evangelos Alexiou, Emmanouil Potetsianakis, Emmanuel Thomas, Mary-Luc Champel (Xiaomi) | Accepted 1625 |
| m73994 | File Format | [FF][AMD2] Updates to CDAM2 on dynamic depth information, depth mapping type and range parameters | Evangelos Alexiou, Emmanouil Potetsianakis, Emmanuel Thomas, Mary-Luc Champel (Xiaomi), Yannis Guyon, Maryla Ustarroz-Calonge (Google) | accepted 1625 |
| m74533 | File Format | [FF][AMD2][TUC] Carriage of depth and alpha image sequences | Evangelos Alexiou, Emmanouil Potetsianakis, Emmanuel Thomas, Mary-Luc Champel (Xiaomi) | withdrawn |
| m74518 | File Format | [FF][AMD2][TUC] Sample-level carriage of colour and depth | Emmanouil Potetsianakis, Evangelos Alexiou, Emmanuel Thomas, Mary-Luc Champel (Xiaomi) | accepted 1625 |
| m74531 | File Format | [FF][AMD2][TUC] Updated inventory of technologies for storing image sequences | Evangelos Alexiou, Emmanouil Potetsianakis, Emmanuel Thomas, Mary-Luc Champel (Xiaomi) | accepted 1625 |
| m74051 | File Format | [ISOBMFF] Improvements to AlphaInformationBox | Leo Barnes | accepted 1628 |
| m74052 | File Format | [ISOBMFF] Add PixelInformationProperty to ISOBMFF | Leo Barnes | accepted 1628 |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/isobmff/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/isobmff/-/issues) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 14496-12 – ISO Base Media File Format |  |  |  |  |
| 1639 | DoC on ISO/IEC 14496-12 8th edition CDAM 2 Carriage of depth and alpha | Cyril Concolato | N | 2025-10-11 | 25613 |
| 1628 | Text of ISO/IEC 14496-12 8th edition DAM 2 Carriage of depth and alpha | Emmanouil Potetsianakis | N | 2025-10-25 | 25602 |

## Others

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m73907 | File Format | [4.5][ISOBMFF] Revisiting Defect Report of ISOBMFF | Stephan Schreiner | accepted 1636 |
| m74703 | File Format | [ISOBMFF] Clarification on the usage of Sample Group Description Box and the implementation of libisomediafile for this usage | Mitsuhiro Hirabayashi (Sony Corporation) | noted |
| m74649 | File Format | [ISOBMFF] Multi-layer description in single track | Frederic Maze, Franck Denoual, Lionel Tocze, Jean Le Feuvre | accepted 1625 |
| m74684 | File Format | [ISOBMFF] On thumbnail storage | Emmanuel Thomas, Emmanouil Potetsianakis, Evangelos Alexiou, Mary-Luc Champel (Xiaomi) | accepted 1625 |
| m74636 | File Format | [ISOBMFF] Track layer and channel identification with layC and pixi | Yannis Guyon | accepted 1625 |
| m73986 | File Format | Carriage of ITU-T T.35 Messages in Mebx Tracks | Dimitri Podborski, Ronan Boitard, Michel Rynderman, Sam Bushell, Christopher Flick | accepted 1625 |
| m74544 | File Format | [Systems][ISOBMFF] Description of Timed Media Units | Nael Ouedraogo, Franck Denoual, Frederic Maze, Lionel Tocze | Noted |
| m74546 | File Format | (4.1) [ISOBMFF] On default sample group | Franck Denoual, Frederic Maze | accepted 1625 |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/isobmff/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/isobmff/-/issues) *for detailed discussions*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 14496-12 – ISO Base Media File Format** |  |  |  |  |
| 1625 | Technologies under Consideration for ISO/IEC 14496-12 (ISOBMFF) | Cyril Concolato | Y | 2025-11-08 | 25599 |
| 1636 | Defect Report of ISO/IEC 14496-12 | Stephan Schreiner | N | 2025-10-11 | 25610 |

# MP4 File Format (14496-14)

## Others

### Short Description

***Motivations:***

***Objective:***

### Project status

### Goal of this meeting

### Contributions

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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/MP4FF/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/MP4FF/-/issues) *for detailed discussions*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 14496-14 – MP4 File Format |  |  |  |  |
| 1637 | Technologies under Consideration for ISO/IEC 14496-14 | Emmanuel Thomas | N | 2025-10-11 | 25611 |

# NAL File Format (14496-15)

## ISO/IEC 14496-15 7th edition AMD 2 Improvement of carriage of L-HEVC

### Short Description

***Motivations:***

***Objective:***

### Project status

[ISO Projects - ISO/IEC 14496-15:2024/CD Amd 2 - Overview](https://sd.iso.org/projects/project/92687/overview)

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [DIS](https://isotc.iso.org/livelink/eb3/part/view.do?id=518309) | 1 | 2025-12-29 | 2026-03-23 | OPEN |  |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=509943) | 1 | 2025-08-08 | 2025-10-02 | CLOSED | - |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
| m74724 | File Format | Summary of Voting on ISO/IEC 14496-15:2024/CD Amd 2 | SC 29 Secretariat | refer 1650 |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/NALuFF/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/NALuFF/-/issues) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 14496-15 – Carriage of NAL unit structured video in the ISO Base Media File Format** |  |  |  |  |
| 1650 | DoC on ISO/IEC 14496-15 7th edition CDAM 2 Improvement of carriage of L-HEVC | Cyril Concolato | N | 2025-10-11 | 25624 |
| 1661 | Text of ISO/IEC 14496-15 7th edition DAM 2 Improvement of carriage of L-HEVC | Jean Le Feuvre | N | 2025-10-11 | 25716 |

## others

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74468 | File Format | [NALUFF][TuC] Update\_1 to NNPF SEI message support | K. K. Sreedhar, M. M. Hannuksela, E. B. Aksu(Nokia) | accepted 1651 |
| m74470 | File Format | [NALUFF][TuC] Update\_2 to NNPF SEI message support | K. K. Sreedhar, M. M. Hannuksela, E. B. Aksu(Nokia) | noted |
| m74655 | File Format | On VVC sample entries | Jean Le Feuvre | accepted 1661 |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/NALuFF/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/NALuFF/-/issues) *for detailed discussions*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 14496-15 – Carriage of NAL unit structured video in the ISO Base Media File Format** |  |  |  |  |
| 1651 | Technologies under Consideration for ISO/IEC 14496-15 | Kashyap Kammachi Sreedhar | Y | 2025-11-08 | 25625 |

# Open Font Format (14496-22)

## 14496-22 5th edition

### Short Description

***Motivations:***

***Objective:***

### Project status

<https://sd.iso.org/projects/project/87621/overview>

| **Stage** | **Version** | **Description** | **Go to draft** | **Target date** | **Limit date** | **Started** | **Status** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **50.00** | **1** | **Final text received or FDIS registered for formal approval** |  | **2025-09-07** |  | **2025-10-10** | **Current** |
| 50.20 | 1 | Proof sent to Secretariat or FDIS ballot initiated: 2 months |  |  |  |  | Awaiting |
| 60.60 | 1 | International Standard published |  | 2025-12-19 | 2026-08-10 |  | Awaiting |

### Contributions

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| Number | Session | Title | Source | Dispositions |
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### Summary of Discussions

*Refer BoG report for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 14496-22 – Open Font Format** |  |  |  |  |
| 1577 | DoC on ISO/IEC DIS 14496-22 5th edition Open font format | Vladimir Levantovsky | N | 2025-07-04 | 25324 |
| 1578 | Text of ISO/IEC FDIS 14496-22 5th edition Open font format | Vladimir Levantovsky | N | 2025-08-01 | 25325 |

# Reference Software and Conformance for File (14496-32)

## 14496-32 3rd edition

### Short Description

***Motivations:***

***Objective:***

### Project status

[ISO Projects - ISO/IEC AWI 14496-32 - Overview](https://sd.iso.org/projects/project/92685/overview)

| **Stage** | **Version** | **Description** | **Go to draft** | **Target date** | **Limit date** | **Started** | **Status** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **20.00** | **1** | **New project registered in TC/SC work programme** |  |  |  | **2025-08-18** | **Current** |
| 20.20 | 1 | Working draft (WD) study initiated |  |  |  |  | Awaiting |
| 20.99 | 1 | WD approved for registration as CD |  |  |  |  | Awaiting |
| 30.00 | 1 | Committee draft (CD) registered |  | 2025-10-12 |  |  | Awaiting |
| 40.00 | 1 | DIS registered |  | 2026-01-25 | 2026-03-09 |  | Awaiting |
| 50.00 | 1 | Final text received or FDIS registered for formal approval |  | 2026-07-19 |  |  | Awaiting |
| 60.60 | 1 | International Standard published |  | 2026-12-30 | 2027-01-09 |  | Awaiting |

### OSD

[ISO Projects - ISO/IEC AWI 14496-32 - Online document](https://sd.iso.org/projects/project/92685/online-docs)

### Contributions

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Number | Session | Title | | Source | | Dispositions |
| m74464 | File Format | | [HEIF] Test Vectors for SlimHEIF | | K. K. Sreedhar, E. B. Aksu, Otto Palmgren(Nokia) | accepted 1626 |
| m74650 | File Format | | [ISOBMFF] Conformance for compact direct sample references | | Jean Le Feuvre, Lionel Tocze, Franck Denoual, Frederic Maze | accepted 1626 |
| m74006 | File Format | | [HEIF] AV1-based MinimizedImageBox conformance files | | Yannis Guyon | accepted 1626 |
|  |  | |  | |  |  |

### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/FFConformanceRefSoft/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/FFConformanceRefSoft/-/issues) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 14496-32 – File format reference software and conformance |  |  |  |  |
| 1523 | Request for ISO/IEC 14496-32 3rd edition File format reference software and conformance | Cyril Concolato | N | 2025-04-04 | 25059 |
| 1626 | WD of ISO/IEC 14496-32 3rd edition File format reference software and conformance | Cyril Concolato | Y | 2025-11-08 | 25600 |

## others

### Contributions

|  |  |  |  |  |
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| Number | Session | Title | Source | Dispositions |
|  |  |  |  |  |

### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/FFConformanceRefSoft/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/FFConformanceRefSoft/-/issues) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available** | **S/N** |
|  | **ISO/IEC 14496-32 – File format reference software and conformance** |  |  |  |  |
| 1272 | Technologies under Consideration for ISO/IEC 14496-32 | Dimitri Podborski | Y | 2024-08-02 | 24118 |

# Syntactic Description Language (14496-34)

## 14496-34 2nd edition

### Short Description

***Motivations:***

***Objective:***

### Project status

[ISO Projects - ISO/IEC AWI 14496-34 - Overview](https://sd.iso.org/projects/project/92697/overview)

| **Stage** | **Version** | **Description** | **Go to draft** | **Target date** | **Limit date** | **Started** | **Status** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **20.00** | **1** | **New project registered in TC/SC work programme** |  |  |  | **2025-08-14** | **Current** |
| 20.20 | 1 | Working draft (WD) study initiated |  |  |  |  | Awaiting |
| 20.99 | 1 | WD approved for registration as CD |  |  |  |  | Awaiting |
| 30.00 | 1 | Committee draft (CD) registered |  | 2025-08-10 |  |  | Awaiting |
| 40.00 | 1 | DIS registered |  | 2027-07-05 | 2027-07-05 |  | Awaiting |
| 50.00 | 1 | Final text received or FDIS registered for formal approval |  | 2028-04-29 |  |  | Awaiting |
| 60.60 | 1 | International Standard published |  | 2028-07-05 | 2028-07-05 |  | Awaiting |

### OSD

[ISO Projects - ISO/IEC AWI 14496-34 - Online document](https://sd.iso.org/projects/project/92697/online-docs)

### Contributions

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| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m73989 | SDL | [SDL] A roadmap to ISOBMFF alignment for ISO-IEC 14496-34 | Nick Ryan | accepted 1653 |
| m73968 | SDL | [SDL] Addition of Usage Phases concept to ISO-IEC 14496-34 | Nick Ryan | accepted 1653 |
| m73967 | SDL | [SDL] AhG call report | Emmanuel Thomas (SDL AhG co-chair) | Noted |
| m73971 | SDL | [SDL] Introduction and Abstract text changes for ISO-IEC 14496-34 | Nick Ryan | accepted 1653 |
| m73972 | SDL | [SDL] Remove const for parsed variables in ISO-IEC 14496-34 | Nick Ryan | accepted 1653 |
| m74038 | SDL | [SDL] Replacement of bit with Boolean for computed variables in ISO-IEC 14496-34 | Nick Ryan | accepted 1642 |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/sdl/contributions/-/issues*](https://git.mpeg.expert/MPEG/Systems/sdl/contributions/-/issues) *for detailed discussion*

### Reference output document

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| No. | Title | In Charge | TBP | Available | S/N |
| 1642 | WD of ISO/IEC 14496-34 2nd edition Syntactic description language | Emmanuel Thomas | Y | 2025-11-01 | 25616 |
| 1652 | Workplan for the reference software and conformance for ISO/IEC 14496-34 | Emmanuel Thomas | Y | 2025-10-11 | 25626 |
| 1662 | List of topics perceived as misuse of SDL in ISOBMFF | Emmanuel Thomas | N | 2025-11-08 | 25717 |

## Others

### Contributions

|  |  |  |  |  |
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| Number | Session | Title | Source | Dispositions |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/sdl/contributions/-/issues*](https://git.mpeg.expert/MPEG/Systems/sdl/contributions/-/issues) *for detailed discussion*

### Reference output document

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| No. | Title | In Charge | TBP | Available | S/N |
| 1653 | Technology under Consideration on ISO/IEC 14496-34 Syntactic Description Language | Emmanuel Thomas | Y | 2025-10-11 | 25627 |

# Common Media AF (23000-19)

## ISO/IEC 23000-19 3rd edition AMD 2 New Structural CMAF Brand Profile

### Short Description

*This Amendment extends 23000-19 by defining at least:*

*• An additional structural MV-HEVC media profile, and generalized ‘colr’ box.*

*• LCEVC media profiles and track brands*

*• Clarifies further scalable resolutions*

### Project status

<https://sd.iso.org/projects/project/89043/overview>

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [DIS](https://isotc.iso.org/livelink/eb3/part/view.do?id=506502) | 1 | 2025-07-03 | 2025-09-25 | CREATED |  |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=499876) | 1 | 2024-11-26 | 2025-01-20 | CLOSED | - |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74712 | AF | Summary of Voting on ISO/IEC 23000-19:2024/DAmd 2 (Ed 3) | ITTF via SC 29 Secretariat | refer 1633 |
| m74451 | AF | [10.2][CMAF] Clarification of EntityGroup usage in CMAF files | Stephan Schreiner | accepted 1640 |
| m74450 | AF | [10.2][CMAF] Revisiting subsample encryption in CMAF | Stephan Schreiner | accepted 1640 |
| m74568 | AF | [CMAF] Comments on DIS | Thomas Stockhammer, | withdrawn |
| m74565 | AF | [CMAF] Edit Lists | Thomas Stockhammer | accepted 1640 |
| m74577 | AF | [CMAF] Miscellaneous clarifications | Waqar Zia, Krasimir Kolarov, Alexis Tourapis | accepted 1640 |
| m74574 | AF | [CMAF] On Common Encryption | F Denoual | noted |
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### Summary of Discussions

*Refer* [*https://git.mpeg.expert/MPEG/Systems/ApplicationFormat/CMAF/-/issues*](https://git.mpeg.expert/MPEG/Systems/ApplicationFormat/CMAF/-/issues) *for detailed discussion*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23000-19 – Common Media Application Format |  |  |  |  |
| 1633 | DoC on ISO/IEC 23000-19 3rd edition DAM 2 New Structural CMAF brand profile | Krasimir Kolarov | N | 2025-10-11 | 25607 |
| 1663 | Text of ISO/IEC 23000-19 3rd edition FDAM 2 New structural CMAF brand profile | Krasimir Kolarov | N | 2025-11-08 | 25718 |

## Others

### Contributions

|  |  |  |  |  |
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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/ApplicationFormat/CMAF/-/issues*](https://git.mpeg.expert/MPEG/Systems/ApplicationFormat/CMAF/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23000-19 – Common Media Application Format |  |  |  |  |
| 1640 | Technology under Consideration on CMAF | Krasimir Kolarov | Y | 2025-10-11 | 25614 |

# Multi-Image AF (23000-22)

## Others

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
| m74003 | AF | [MIAF,HEIF] Codec switch constraints | Dimitri Podborski, Leo Barnes | accepted 1660 |
| m74467 | AF | [MIAF] VVC profiles for MIAF | K. K. Sreedhar, E. B. Aksu, M. M. Hannuksela(Nokia) | noted |

### Summary of Discussions

### Reference output document

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| **No.** | **Title** | **In Charge** | **TBP** | **Available** | **S/N** |
|  | **ISO/IEC 23000-22 – Multi-image application format (MIAF)** |  |  |  |  |
| 1660 | Technology under considerations on MIAF | Krasimir Kolarov | Y | 2025-10-11 | 25634 |

# Decentralized media rights application format (23000-23)

## ISO/IEC 23000-23 Decentralized media rights application format

### Short Description

***Motivations:***

***Objective:***

### Project status

### Goal of this meeting

### Contributions

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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/groups/MPEG/Systems/mpeg-21/-/issues*](https://git.mpeg.expert/groups/MPEG/Systems/mpeg-21/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23000-23 – Decentralized media rights application format |  |  |  |  |
| 1654 | Working Draft of ISO/IEC 23000-23 Decentralized media rights application format | Panos Kudumakis | Y | 2025-10-11 | 25628 |
| 1664 | New work item proposal on ISO/IEC 23000-23 Decentralized media rights application format | Panos Kudumakis | N | 2025-10-11 | 25719 |

## Others

### Goal of this meeting

### Contributions

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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer* [*https://git.mpeg.expert/groups/MPEG/Systems/mpeg-21/-/issues*](https://git.mpeg.expert/groups/MPEG/Systems/mpeg-21/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23000-23 – Decentralized media rights application format |  |  |  |  |
| 713 | Technologies under Consideration for ISO/IEC 23000-23 | Panos Kudumakis | Y | 2022-10-28 | 21992 |

# Messaging media application format (23000-24)

## ISO/IEC 23000-24 Messaging media application format (MeMAF)

### Short Description

*The scope of this part of the standard is the definition of a Media Application Format that can be used for Messaging Services. Hence, it is referred to as Messaging Media Application Format (MeMAF).*

*The main target of the messaging format are:*

* *The packaging of media assets into container files for transactional exchanges (upload, download, storage, etc.)*
* *The instructions on how the media assets are to be processed for a desired experience, providing an entry point as well as a processing of the media assets.*
* *Permission of playback on a wide variety of end devices, preferably on existing ones.*
* *Allow generation and recording of the messages on constrained devices (mobile devices, etc.), but also allow generation of professionally produced messages.*

*To support basic interoperability, a baseline profile is defined which minimizes options. Beyond the baseline profile, additional profiles are defined that enable richer experiences.*

### Project status

<https://sd.iso.org/projects/project/89039/overview>

| **Stage** | **Version** | **Description** | **Go to draft** | **Target date** | **Limit date** | **Started** | **Status** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **20.00** | **1** | **New project registered in TC/SC work programme** |  |  |  | **2024-02-08** | **Current** |
| 20.20 | 1 | Working draft (WD) study initiated |  |  |  |  | Awaiting |
| 20.99 | 1 | WD approved for registration as CD |  |  |  |  | Awaiting |
| 30.00 | 1 | Committee draft (CD) registered |  | 2024-07-31 |  |  | Awaiting |
| 40.00 | 1 | DIS registered |  | 2024-10-31 | 2025-02-08 |  | Awaiting |
| 50.00 | 1 | Final text received or FDIS registered for formal approval |  | 2025-04-30 |  |  | Awaiting |
| 60.60 | 1 | International Standard published |  | 2025-10-31 | 2026-02-08 |  | Awaiting |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
| m74563 | AF | [MeMAF] 3GPP amd GSMA Background | Thomas Stockhammer | withdrawn |
| m74562 | AF | [MeMAF] Proposed Updates to Working Draft | Thomas Stockhammer | noted |
|  |  |  |  |  |
|  |  |  |  |  |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/ApplicationFormat/MeMAF/-/issues*](https://git.mpeg.expert/MPEG/Systems/ApplicationFormat/MeMAF/-/issues) *for detailed discussion.*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23000-24 – Messaging media application format |  |  |  |  |
| 1675 | Working Draft of ISO/IEC 23000-24 Messaging media application format | Thomas Stockhammer | Y | 2025-10-17 | 25751 |

# Common encryption format for ISO base media file format (23001-7)

## 23001-7:2023 AMD 1 AES-256 Support

### Short Description

*ISO/IEC 23001-7 specifies standard encryption and key mapping methods that can be utilized to enable decryption of the same file using different Digital Rights Management (DRM) and key management systems. This standard has been deployed extensively by the industry, and due to expanding market needs and technology advancements, additional editions of the standard have been published through the years. This amendment provides support for using AES-256 symmetric block cipher.*

### Project status

<https://sd.iso.org/projects/project/92053/overview>

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=506524) | 1 | 2025-05-10 | 2025-07-01 | CLOSED |  |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74569 | File Format | Editor's proposed text for DAM on Common Encryption | Editors | accepted 1624 |
| m74674 | File Format | On media authentication to counter DeCENC | Mohamad Raad, Valentijn Siebrands, Roberto Ramos, Arjen Wagenaar, Dirk Griffioen | noted |
| m73933 | File Format | Prime Video Response (Mitigations and Suggestions) on DeCENC | Weil Nicolas, Wu Yongjun | noted |
| m74698 | File Format | Proposed Exploration on De-CENC | Bastien Simondi, KongQun Yang | accepted 1643 |
| m73937 | File Format | On authentication strategies for encrypted content | Jean-Pierre Flori | noted |
| m73935 | File Format | On PCM Sample Signaling in HEVC and Definition of PCM-free profile | Dimitri Podborski, Sam Bushell | noted |
| m74696 | Exploration | Integrity protection implementation details | Jean-Pierre Flori, Federico Menarini | accepted 1643 |
|  |  |  |  |  |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/CENC/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/CENC/-/issues) *for detailed discussions*

### Reference output document

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| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23001-7 – Common Encryption for ISO Base Media File Format Files |  |  |  |  |
| 1643 | Text of ISO/IEC 23001-7:2023 DAM 1 AES-256 Support | Franck Denoual | N | 2025-10-17 | 25617 |
| 1676 | DoC on ISO/IEC 23001-7:2023 CDAM 1 AES-256 Support | Franck Denoual | N | 2025-10-11 | 25752 |

## Others

### Contributions

|  |  |  |  |  |
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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/CENC/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/CENC/-/issues) *for detailed discussions*

### Reference output document

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| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23001-7 – Common Encryption for ISO Base Media File Format Files |  |  |  |  |
| 1624 | Technologies under Consideration for ISO/IEC 23001-7 | Franck Denoual | Y | 2025-10-17 | 25598 |
| 1627 | Exploration on De-CENC related issue | Cyril Concolato | Y | 2025-11-01 | 25601 |

# Timed Metadata Metrics (23001-10)

## ISO/IEC 23001-10 AMD 3 Additional quality metrics

### Short Description

***Motivations:***

***Objective:***

### Project status

### Goal of this meeting

### Contributions

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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/Metrics/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/Metrics/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23001-10 – Carriage of Timed Metadata Metrics of Media in ISO Base Media File Format |  |  |  |  |
| 1665 | Request for ISO/IEC 23001-10 3rd edition Carriage of timed metadata metrics of media in ISO base media file format | Ahmed Hamza | N | 2025-10-11 | 25720 |
| 1629 | WD of ISO/IEC 23001-10 AMD 3 Additional quality metrics | Andrey Norkin | Y | 2025-10-11 | 25603 |

## Others

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
| m74600 | Green | [SYSTEMS][GREEN] Proposal of new amendment of ISO/IEC 23001-10 | Ahmed Hamza, Claire-HÃ©lÃ¨ne Demarty, Olivier Le Meur, Franck Aumont (InterDigital) | accepted 1665 |
|  |  |  |  |  |

### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/Metrics/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/Metrics/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 23001-10 – Carriage of Timed Metadata Metrics of Media in ISO Base Media File Format** |  |  |  |  |
| 1543 | Technologies under Consideration for ISO/IEC 23001-10 Carriage of timed metadata metrics of media in ISOBMFF | Andrey Norkin | Y | 2025-07-04 | 25290 |

# Green Metadata (23001-11)

## Others

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74426 | Green | [SYSTEMS][GREEN]: Proposal of new amendment of ISO/IEC DIS 23001-11 Energy-efficient media consumption (green metadata) | C-H. Demarty, O. Le Meur, A. Hamza, F. Aumont (InterDigital) | accepted 1677 |
|  |  |  |  |  |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/green/contributions/-/issues*](https://git.mpeg.expert/MPEG/Systems/green/contributions/-/issues) *for detailed discussion*

### Reference output document

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| **No.** | **Title** | **In Charge** | **TBP** | **Available** | **S/N** |
|  | **ISO/IEC 23001-11 – Energy-efficient media consumption (green metadata)** |  |  |  |  |
| 1677 | Request for ISO/IEC 23001-11 4th edition Energy-efficient media consumption (green metadata) | Ahmed Hamza | N | 2025-10-11 | 25753 |

# Carriage of Green metadata (23001-19)

## ISO/IEC 23001-19 Carriage of green metadata

### Short Description

*The ISO/IEC 23001-11 (Energy-efficient media consumption) specification defines metadata, referred to as green metadata, that facilitate the reduction of energy usage during media consumption (i.e., decoding and display operations). Some aspects of how to carry this green data in ISOBMFF files are defined in one clause in ISO/IEC 23001-10, while other aspects on how to signal and use green metadata in adaptive streaming scenarios are captured across several clauses of ISO/IEC 23001-11. This part will specify the carriage and signalling of green metadata and how they relate to each other as this information is distributed across several separate clauses in different specifications.*

### Project status

<https://sd.iso.org/projects/project/90211/overview>

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [DIS](https://isotc.iso.org/livelink/eb3/part/view.do?id=510032) | 1 | 2025-10-06 | 2025-12-29 | CREATED |  |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=504647) | 1 | 2025-03-27 | 2025-05-21 | CLOSED | - |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74266 | Green | [SYSTEMS][GREEN] Description of general architecture for carriage of green metadata | C-H. Demarty, F. Aumont, A. Hamza (InterDigital) | accepted 1644 |
| m74265 | Green | [SYSTEMS][GREEN] Editorial Improvements of ISO/IEC 23001-19 | C-H. Demarty, A. Hamza (InterDigital) | accepted 1644 |
|  |  |  |  |  |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/green/contributions/-/issues*](https://git.mpeg.expert/MPEG/Systems/green/contributions/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 23001-19 – Carriage of green metadata** |  |  |  |  |
| 1572 | DoC on ISO/IEC CD 23001-19 Carriage of green metadata | Claire-Hélène Demarty | N | 2025-07-04 | 25319 |
| 1585 | Text of ISO/IEC DIS 23001-19 Carriage of green metadata | Claire-Hélène Demarty | N | 2025-07-28 | 25332 |
| 1644 | Potential improvement of ISO/IEC DIS 23001-19 Carriage of green metadata | Claire-Hélène Demarty | Y | 2025-10-11 | 25618 |

# Media orchestration (23001-13)

## Others

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 23001-16 – Derived Visual Tracks in ISOBMFF** |  |  |  |  |
| 822 | Defect under investigation on ISO/IEC 23001-13 | Paul Higgs | Y | 2023-02-24 | 22346 |

# Derived Visual Tracks in ISOBMFF (23001-16)

## Others

### Contributions

|  |  |  |  |  |
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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/DerivedVis/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/DerivedVis/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 23001-16 – Derived Visual Tracks in ISOBMFF** |  |  |  |  |
| 1291 | Technologies under Consideration for ISO/IEC 23001-16 derived visual tracks including further visual derivations | Frederic MAZE | Y | 2024-07-19 | 24137 |

# Carriage of Uncompressed Video in ISOBMFF (23001-17)

## Others

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/rawvideo/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/rawvideo/-/issues) *for detailed discussions*

### Reference output document

# Common types and tools (23005-6)

## others

### Short Description

***Motivations:***

***Objective:***

### Project status

### Goal of this meeting

### Contributions

|  |  |  |  |  |
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| Number | Session | Title | Source | Dispositions |
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### Summary of Discussions

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 23001-17 – Carriage of Uncompressed Video in ISOBMFF** |  |  |  |  |
| 823 | Defect under investigation on ISO/IEC 23005-6 | Paul Higgs | Y | 2023-02-24 | 22347 |

# MMT (23008-1)

## ISO/IEC 23008-1 3rd edition AMD 2 Asset descriptor on alternatives

### Short Description

### Project status

[ISO Projects - ISO/IEC 23008-1:2023/CD Amd 2 - Overview](https://sd.iso.org/projects/project/92700/overview)

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=513077) | 2 | 2025-10-24 | 2025-12-18 | CLOSED | - |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=510036) | 1 | 2025-08-12 | 2025-10-06 | CLOSED | - |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [m74726](https://dms.mpeg.expert/doc_end_user/current_document.php?id=101605&id_meeting=204) | MMT | Summary of Voting on ISO/IEC 23008-1:2023/CD Amd 2 | SC 29 Secretariat | Noted |
| m74675 | MMT | Request to Reissue ISO/IEC 23008-1 CDAM 2 to include WD of AMD 3 (Improvement of MMT Message Transaction) | Yiling Xu, Yue Li, Yifan Wang | Accepted |
|  |  |  |  |  |
|  |  |  |  |  |

### Summary of Discussions

*Refer BoG report for detailed discussions*

#### M74726

No comments have been received

#### M74675

This needs to be added to the AMD2 to fix the error in the history. Authors will provided revised version of the contribution after applying correct styles. Then it will be merged with the previous text and 2nd CDAM ballot will be issued.

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available** | **S/N** |
|  | **ISO/IEC 23008-1 - MPEG media transport** |  |  |  |  |
| **1586** | **Request for ISO/IEC 23008-1 3rd edition AMD 2 Additional asset descriptor** | **Youngkwon Lim** | **N** | **2025-07-04** | **25333** |
| **1587** | **Text of ISO/IEC 23008-1 3rd edition CDAM 2 Additional asset descriptor** | **Youngkwon Lim** | **Y** | **2025-07-04** | **25334** |
| **1645** | **Text of ISO/IEC 23008-1 3rd edition CDAM 2.2 Additional asset descriptor** | **Youngkwon Lim** | **Y** | **2025-10-17** | **25619** |

# Image File Format (23008-12)

## ISO/IEC 23008-12 3rd edition AMD 2 Low-overhead image file format

### Short Description

*ISO/IEC 23008-12 is designed to enable the interchange of images and image sequences, as well as their associated metadata. It forms part of a family of specifications that are box-structured, and is built using tools defined in the ISO base media file format. This amendment provides support for storing images with a reduced header.*

### Project status

<https://sd.iso.org/projects/project/90273/overview>

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [DIS](https://isotc.iso.org/livelink/eb3/part/view.do?id=502973) | 1 | 2025-04-09 | 2025-07-02 | CLOSED |  |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=499651) | 1 | 2024-11-16 | 2025-01-10 | CLOSED | - |

### Goal of this meeting

### Contributions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Number | Session | Title | Source | | Dispositions |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/HEIF/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/HEIF/-/issues) *for detailed discussions*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 23008-12 – Image File Format** |  |  |  |  |
| 1623 | DoC on ISO/IEC 23008-12 3rd edition DAM 2 Low-overhead image file format | Cyril Concolato | N | 2025-10-11 | 25597 |
| 1646 | Text of ISO/IEC 23008-12 3rd edition FDAM 2 Low-overhead image file format | Yannis Guyon | N | 2025-10-11 | 25620 |

## Others

### Contributions

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Number | Session | Title | Source | | | Dispositions |
| m74005 | File Format | [HEIF] On Adaptive Global Tone Mapping AGTM | | Yannis Guyon, Leo Barnes | | accepted 1678 |
| m74050 | File Format | [HEIF] Add AlphaInformationBox to HEIF | | Leo Barnes | accepted 1657 | |
| m74613 | File Format | [HEIF] Bindings for JPEG XL | | Leo Barnes | noted | |
| m74053 | File Format | [HEIF] Issues with HEIF 4ed alpha changes | | Leo Barnes | accepted 1657 | |
| m74545 | File Format | (4.4) [ISOBMFF] On ICC profiles | | Franck Denoual, Masanori Fukada | | accepted TuC |
|  |  |  | |  |  | |

### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/HEIF/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/HEIF/-/issues) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 23008-12 – Image File Format** |  |  |  |  |
| 1657 | Draft text of ISO/IEC 23008-12 4th edition Image file format | Leo Barnes | Y | 2025-10-24 | 25631 |
| 1678 | Technology under Consideration on ISO/IEC 23008-12 | Kashyap Kammachi Sreedhar | Y | 2025-10-24 | 25754 |

# Media presentation description and segment formats (23009-1)

## ISO/IEC 23009-1 6th edition

### Short Description

***Motivations:***

***Objective:***

### Project status

### <https://sd.iso.org/projects/project/89027/overview>

| **Stage** | **Version** | **Description** | **Go to draft** | **Target date** | **Limit date** | **Started** | **Status** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **50.00** | **1** | **Final text received or FDIS registered for formal approval** |  | **2025-09-29** |  | **2025-08-07** | **Current** |
| 50.20 | 1 | Proof sent to Secretariat or FDIS ballot initiated: 2 months |  |  |  |  | Awaiting |
| 60.60 | 1 | International Standard published |  | 2026-02-07 | 2026-02-07 |  | Awaiting |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74571 | DASH | [DASH] Remaining Comments on 6th edition | Thomas Stockhammer | withdrawn |
| m74697 | DASH | [Informational] Editor version of ISO/IEC 23009-1 6th ed. |  | noted |
|  |  |  |  |  |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/DASH/spec/-/issues*](https://git.mpeg.expert/MPEG/Systems/DASH/spec/-/issues) *for detailed discussion*

### Reference output document

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| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23009-1 – Media presentation description and segment formats |  |  |  |  |
| 1394 | DoC on ISO/IEC 2nd DIS 23009-1 6th edition Media presentation description and segment formats | Iraj Sodagar | N | 2024-11-08 | 24538 |
| 1432 | Text of ISO/IEC FDIS 23009-1 6th edition Media presentation description and segment formats | Alex Giladi | N | 2025-03-15 | 24732 |
| 1490 | Revised text of ISO/IEC FDIS 23009-1 6th edition Media presentation description and segment formats | Alex Giladi | N | 2025-05-05 | 25026 |

## Others

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74567 | DASH | [DASH] CMCDv2 | Thomas Stockhammer, | accepted 1614 |
| m74570 | DASH | [DASH] Considerations and Requirements for next Edition | Thomas Stockhammer | accepted 1614 |
| m74763 |  | Brands for L3D |  | noted |
| m74554 |  | [TuC] TuC clean up | Iraj Sodagar | accepted 1614 |
|  |  |  |  |  |

### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/DASH/spec/-/issues*](https://git.mpeg.expert/MPEG/Systems/DASH/spec/-/issues) *for detailed discussion*

### Reference output document

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| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 23009-1 – Media presentation description and segment formats** |  |  |  |  |
| 1666 | Request for ISO/IEC 23009-1 6th ed. AMD 1 Support for media authentication, CMCD extension, and other enhancements | Iraj Sodagar | N | 2025-10-11 | 25721 |
| 1659 | Preliminary draft of ISO/IEC 23009-1 6th edition AMD 1 Support for media authentication, CMCD extension, and other enhancements | Iraj Sodagar | Y | 2025-10-11 | 25633 |
| 1614 | Technologies under Consideration for DASH | Iraj Sodagar | Y | 2025-10-11 | 25588 |

# Implementation Guidelines (23009-3)

## ISO/IEC 23009-3 3rd edition

### Short Description

***Motivations:***

***Objective:***

### Project status

<https://sd.iso.org/projects/project/75482/overview>

| **Stage** | **Version** | **Description** | **Target date** | **Limit date** | **Started** | **Status** |
| --- | --- | --- | --- | --- | --- | --- |
| 10.99 | 1 | New project approved |  |  | 2018-02-14 | Current |
| 30.00 |  | Committee draft (CD) registered |  |  |  | Awaiting |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/DASH/spec/-/issues*](https://git.mpeg.expert/MPEG/Systems/DASH/spec/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available** |
| **17260** | **Request for ISO/IEC 23009-3 3rd edition DASH Implementation Guidelines** |  |  |  |
| **17865** | **WD of ISO/IEC 23009-3 3rd edition DASH Implementation Guidelines** | **Ali C. Begen** | **N** |  |

# CMAF in DASH (23009-7)

## ISO/IEC TR 23009-7 1st edition

### Short Description

***Motivations:***

***Objective:***

### Project status

<https://sd.iso.org/projects/project/80541/overview>

| **Stage** | **Version** | **Description** | **Target date** | **Limit date** | **Started** | **Status** |
| --- | --- | --- | --- | --- | --- | --- |
| 20.20 | 1 | Working draft (WD) study initiated |  |  | 2020-01-20 | Current |
| 20.60 |  | Close of comment period |  |  |  | Awaiting |

### Goal of this meeting

### Contributions

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### Summary of Discussions

*Refer* *BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat*](https://git.mpeg.expert/MPEG/Systems/FileFormat) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
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| **No.** | **Title** | **In Charge** | **TBP** | **Available** | **S/N** |
|  | **ISO/IEC 23009-7 - Delivery of CMAF content with DASH** |  |  |  |  |
| 1634 | WD of ISO/IEC TR 23009-7 Delivery of CMAF content with DASH | Stephan Schreiner | Y | 2025-10-11 | 25608 |

# Session based DASH operation (23009-8)

## Others

### Contributions

|  |  |  |  |  |
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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/DASH/spec/-/issues*](https://git.mpeg.expert/MPEG/Systems/DASH/spec/-/issues) *for detailed discussion*

### Reference output document

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| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23009-8 – Session based DASH operations |  |  |  |  |
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# Omnidirectional MediA Format (23090-2)

## ISO/IEC 23090-2 AMD 1 Server-side dynamic adaptation

### Short Description

***Motivations:***

***Objective:***

### Project status

<https://sd.iso.org/projects/project/87624/overview>

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [**DIS**](https://isotc.iso.org/livelink/eb3/part/view.do?id=510476) | **2** | **2025-09-15** | **2025-11-10** | **OPEN** |  |
| [**DIS**](https://isotc.iso.org/livelink/eb3/part/view.do?id=497234) | **1** | **2024-11-12** | **2025-02-05** | **CLOSED** | **Approved** |
| [**CD**](https://isotc.iso.org/livelink/eb3/part/view.do?id=487420) | **1** | **2023-11-24** | **2024-01-18** | **CLOSED** | **-** |

### Goal of this meeting

### Contributions

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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/OMAF/OMAF2ndEdition/-/issues*](https://git.mpeg.expert/MPEG/Systems/OMAF/OMAF2ndEdition/-/issues) *for detailed discussion*

### Reference output document

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| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 23090-2 – Omnidirectional MediA Format** |  |  |  |  |
| 1532 | DoC on ISO/IEC 23090-2 3rd edition DAM 1 Server-side dynamic adaptation | Sachin Deshpande | N | 2025-04-04 | 25186 |
| 1533 | Text of ISO/IEC 23090-2 3rd edition 2nd DAM 1 Server-side dynamic adaptation | Sachin Deshpande | N | 2025-05-02 | 25187 |

## Others

### Contributions

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| --- | --- | --- | --- | --- |
| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/OMAF/OMAF2ndEdition/-/issues*](https://git.mpeg.expert/MPEG/Systems/OMAF/OMAF2ndEdition/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 23090-2 – Omnidirectional MediA Format** |  |  |  |  |
| 1306 | Technologies under Consideration for OMAF | Sachin Deshpande | Y | 2024-07-19 | 24152 |

# Reference Software and Conformance for OMAF (23090-17)

## ISO/IEC 23090-17 2nd edition Reference Software and Conformance for OMAF

### Short Description

***Motivation:***

***Objective:***

### Project status

### Goal of this meeting

### Contributions

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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/OMAF/OMAF2ndEdition/-/issues*](https://git.mpeg.expert/MPEG/Systems/OMAF/OMAF2ndEdition/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23090-17 – Reference Software and Conformance for Omnidirectional MediA Format |  |  |  |  |
| 1619 | WD of Reference software and conformance for omnidirectional media format (OMAF) 2nd edition | Ahmed Hamza | Y | 2025-10-11 | 25593 |

# Immersive Media Metrics (23090-6)

## others

### Contributions

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| --- | --- | --- | --- | --- |
| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/OMAF/OMAF2ndEdition/-/issues*](https://git.mpeg.expert/MPEG/Systems/OMAF/OMAF2ndEdition/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 23090-6 – Immersive Media Metrics** |  |  |  |  |
| 1363 | Technologies under Consideration for ISO/IEC 23090-6 Immersive media metrics | Sachin Deshpande | Y | 2024-11-08 | 24426 |

# Network based media processing (23090-8)

## Others

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/NBMP/Spec-Development/-/issues*](https://git.mpeg.expert/MPEG/Systems/NBMP/Spec-Development/-/issues) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available Date** | **S/N** |
|  | **ISO/IEC 23090-8 – Network-based Media Processing** |  |  |  |  |
| 1193 | NBMP reference software and conformance framework | Iraj Sodagar | Y | 2024-04-26 | 23803 |
| 1200 | Technologies under Consideration for NBMP | Iraj Sodagar | Y | 2024-04-26 | 23810 |

# Network-based Media Processing IG (23090-11)

## ISO/IEC 23090-11 Network-based Media Processing Implementation Guidelines

### Short Description

***Motivation:***

***Objective:***

### Project status

<https://sd.iso.org/projects/project/78479/overview>

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=460431) |  | 2021-08-20 | 2021-10-14 | CLOSED | - |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/NBMP/Spec-Development/-/issues*](https://git.mpeg.expert/MPEG/Systems/NBMP/Spec-Development/-/issues) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23090-11 – Implementation Guidelines for Network-based Media Processing |  |  |  |  |
| 711 | Revised text of ISO/IEC DTR 23090-11 Network-based media processing implementation guidelines | Iraj Sodagar | N | 2022-11-15 | 21990 |

# Carriage of V3C Data (23090-10)

## ISO/IEC 23090-10 2nd edition Carriage of V3C data

### Short Description

*ISO/IEC 23090-10 is designed to support carriage of the data compressed with ISO/IEC 23090-5. New project ISO/IEC 23090-29 is being developed by using the framework ISO/IEC 23090-5. New edition of ISO/IEC 23090-10 will incorporate carriage of the data compressed with ISO/IEC 23090-29 and new changes introduced to ISO/IEC 23090-5 after the first edition of ISO/IEC 23090-10.*

### Project status

<https://sd.iso.org/projects/project/90198/overview>

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=509897) | 1 | 2025-08-07 | 2025-09-30 | OPEN |  |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74723 | VOL | Summary of Voting on ISO/IEC CD 23090-10 | SC 29 Secretariat | refer 1615 |
| m74090 | VOL | [VOL SYS] On brands for timed V3C in ISO/IEC 23090-10 | Sejin Oh | accepted 1667 |
| m74089 | VOL | [VOL SYS] on 'codecs' parameter in ISO/IEC 23090-10 | Sejin Oh (Dolby), Lukasz Kondrad (Nokia), Danillo B Graziosi (Sony), | accepted 1667 |
| m73978 | VOL | [VOL SYS][Ballot] Corrections to ISO/IEC CD 23090-10 | Lukasz Kondrad, Lauri Ilola | accepted 1667 |
| m74530 | VOL | [VolSys] On signaling multiple V3C parameter sets | Srinivas Gudumasu, Ahmed Hamza, Gurdeep Singh, CÃ©line GuÃ¨de (InterDigital) | accepted 1621 |
| m74356 | VOL | Editorial comments on ISO/IEC CD 23090-10 2nd edition | Youngkwon Lim (on behalf of KNB) | accepted 1667 |
| m74541 | VOL | On V3C Carriage | Franck Denoual | accepted 1667 |
| m74540 | VOL | On V3C items | Franck Denoual | accepted 1667 |
| m74542 | VOL | On V3C subsamples | Franck Denoual | Deferred |
|  |  |  |  |  |

### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/PCC-SYS/V-PCC/-/issues*](https://git.mpeg.expert/MPEG/Systems/PCC-SYS/V-PCC/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23090-10 – Carriage of Visual Volumetric Video-based Coding Data |  |  |  |  |
| 1615 | Draft DoC on ISO/IEC CD 23090-10 2nd edition Carriage of visual volumetric video-based coding data | Youngkwon Lim | N | 2025-10-11 | 25589 |
| 1667 | Draft text of ISO/IEC DIS 23090-10 2nd edition Carriage of visual volumetric video-based coding data | Sejin Oh | Y | 2025-11-08 | 25729 |

## Others

### Contributions

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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/PCC-SYS/V-PCC/-/issues*](https://git.mpeg.expert/MPEG/Systems/PCC-SYS/V-PCC/-/issues) *for detailed discussion*

### Reference output document

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| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23090-10 - Carriage of Visual Volumetric Video-based Coding Data |  |  |  |  |
| 1621 | Technologies under consideration for ISO/IEC 23090-10 | Youngkwon Lim | Y | 2025-10-24 | 25595 |
| 1668 | Exploration on enhanced partial access support in ISO/IEC 23090-10 | Franck Denoual | Y | 2025-11-01 | 25730 |

# G-PCC Carriage (23090-18)

## ISO/IEC 23090-18 AMD 2 Point reliability indication and other improvements

### Short Description

***Motivation:***

***Objective:***

### Project status

### <https://sd.iso.org/projects/project/87627/overview>

| **Stage** | **Version** | **Description** | **Go to draft** | **Target date** | **Limit date** | **Started** | **Status** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **60.00** | **1** | **International Standard under publication** |  |  |  | **2025-12-22** | **Current** |
| 60.60 | 1 | International Standard published |  | 2026-01-15 | 2026-08-10 |  | Awaiting |

### Goal of this meeting

### Contributions

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| Number | Session | Title | Source | Dispositions |
|  |  | Summary of voting |  |  |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/PCC-SYS/G-PCC/-/issues*](https://git.mpeg.expert/MPEG/Systems/PCC-SYS/G-PCC/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23090-18 - Carriage of Geometry-based Point Cloud Compression Data |  |  |  |  |
| 1670 | DoC on ISO/IEC 23090-18 DAM 2 Point reliability indication and other improvements | Youngkwon Lim | N | 2025-10-11 | 25732 |
| 1671 | Text of ISO/IEC 23090-18 AMD 2 Point reliability indication and other improvements | Emmanuel Thomas | N | 2025-10-24 | 25733 |

## Others

### Contributions

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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/PCC-SYS/G-PCC/-/issues*](https://git.mpeg.expert/MPEG/Systems/PCC-SYS/G-PCC/-/issues) *for detailed discussion*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23090-18 - Carriage of Geometry-based Point Cloud Compression Data |  |  |  |  |
| 1373 | Technologies under Considerations on Carriage of geometry-based point cloud compression data | Ahmed Hamza | Y | 2024-11-08 | 24436 |

# Conformance and Reference Software for Carriage of Visual Volumetric Video-based Coding Data (23090-25)

## Others

### Goal of this meeting

### Contributions

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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/PCC-SYS/V-PCC/-/issues*](https://git.mpeg.expert/MPEG/Systems/PCC-SYS/V-PCC/-/issues) *for detailed discussion*

### Reference output document

# Conformance and Reference Software for Carriage of Geometry-based Point Cloud Compression Data (23090-26)

## Others

### Goal of this meeting

### Contributions

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| **Number** | **Session** | **Title** | **Source** | **Dispositions** |
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### Summary of Discussions

*Refer BoG report* [*https://git.mpeg.expert/MPEG/Systems/PCC-SYS/V-PCC/-/issues*](https://git.mpeg.expert/MPEG/Systems/PCC-SYS/V-PCC/-/issues) *for detailed discussion*

### Reference output document

# Video Decoding Interface for Immersive Media (23090-13)

## ISO/IEC 23090-13 2nd edition

### Short Description

*The first edition of the Video Decoding Interface primarily supports the definition of APIs and capability signalling. However, this is not sufficient for an external specification to rely on a Video Decoding Engine functionalities. Hence, this new edition addresses the following extensions:*

*• aggregate capabilities including scheduling of input data provided to the decoder as well as memory and bandwidth of the decoder on the output*

*• Definition of a conforming group of bitstreams treated by one video decoding engine*

*• Definition of a conforming video decoding platform with multiple concurrent decoders*

*• The provisioning of signalling in order to annotate one bitstream or a set of bitstream for conformance*

*• The definition of a testable conformance profiles and operation for a Video Decoding engine including parameters such as codecs, profiles and levels*

*• The provisioning of associated data which each decoded picture for rendering*

### Project status

<https://sd.iso.org/projects/project/89032/overview>

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=511362) | 1 | 2025-10-07 | 2025-12-01 | CLOSED | - |

### Goal of this meeting

### Contributions

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| Number | Session | Title | | Source | Dispositions |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/VideoDecodingInterface/Contributions/-/issues*](https://git.mpeg.expert/MPEG/Systems/VideoDecodingInterface/Contributions/-/issues) *for detailed discussion*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23090-13 - Video decoding interface for immersive media |  |  |  |  |
| 1547 | Text of ISO/IEC CD 23090-13 2nd edition Video decoding interface for immersive media | Emmanuel Thomas | Y | 2025-07-04 | 25294 |
| 1509 | Technologies under Consideration on Video decoding interface for immersive media | Emmanouil Potetsianakis | Y | 2025-04-18 | 25045 |

# Scene Description for MPEG Media (23090-14)

## ISO/IEC 23090-14 2nd edition AMD 1 Support of MPEG-I immersive audio, scene understanding and other extensions

### Short Description

*MPEG-I Scene Description (ISO/IEC 23090-14) has an objective to add support for MPEG media into scene description. Recently, the MPEG-I Audio has been developed. It enriches the immersive experience by accurately defining the details of the audio scene. The integration of this format into the MPEG-I Scene Description is anticipated as part of this amendment. Some new features and feature improvements have been identified. The integration of these improvements is also anticipated as part of this amendment in addition to the support of scene understanding for enhancing the AR functionality and to the support of multi-users in Scene Description.*

### Project status

<https://sd.iso.org/projects/project/90213/overview>

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [DIS](https://isotc.iso.org/livelink/eb3/part/view.do?id=506692) | 1 | 2025-07-10 | 2025-10-02 | CREATED |  |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=502834) | 1 | 2025-02-06 | 2025-04-02 | CLOSED | - |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74716 | Scene | Summary of Voting on ISO/IEC FDIS 23090-14/DAmd 1 (Ed 2) | ITTF via SC 29 Secretariat | refer 1638 |
| m74510 | Scene | [SD] Bug fix for MPEG punctual light extension | Emmanuel Thomas, Emmanouil Potetsianakis, Evangelos Alexiou, Mary-Luc Champel (Xiaomi) | accepted 1669 |
| m74267 | Scene | [SD] Processing model for MPEG\_material\_stereo extension | CÃ©line Guede, Sylvain LeliÃ¨vre, Gurdeep Singh Bhullar | accepted 1669 |
| m73941 | Scene | Follow up on Gaussian Splat support in SD | Imed Bouazizi, Thomas Stockhammer | refer 74642 |
| m74642 | Scene | Updates to Gaussian Splats in glTF | Imed Bouazizi, Thomas Stockahmmer | accepted 1669 |
| m74481 | Scene | [ARF] Avatar Scene Integration | Philippe Henri Gosselin, Francois Le Clerc, Philippe Guillotel, Quentin Avril, JoÃ£o Regateiro | accepted 1658 |

### Summary of Discussions

*Refer* [*https://git.mpeg.expert/MPEG/Systems/SceneDescription/MPEG-Contributions/-/issues*](https://git.mpeg.expert/MPEG/Systems/SceneDescription/MPEG-Contributions/-/issues) *for detailed discussion*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23090-14 - Scene Description for MPEG Media |  |  |  |  |
| 1638 | Draft DoC on ISO/IEC 23090-14 2nd edition DAM 1 Support of MPEG-I immersive audio, scene understanding and other extensions | Thomas Stockhammer | N | 2025-10-11 | 25612 |
| 1669 | Draft Text of ISO/IEC 23090-14 2nd edition FDAM 1 Support of MPEG-I immersive audio, scene understanding and other extensions | Sylvain Lelievre | N | 2025-10-31 | 25731 |

## others

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74564 | Scene | [SD] Proposed Updates to TuC | Thomas Stockhammer | accepted 1616 |
| m73948 | Scene | DRM Encryption in glTF as a Gaussian Splats Format for Copyright Protection of 3D Volumetric Object | Isaac Yang, Seung Huk Ahn, Eun-Seok Ryu (SKKU), Woo-Chool Park (KETI), Sungheun Oh (ETRI) | accepted 1658 |
| m74108 | Scene | [SD] Proposal for extension of relationship information between MPEG SD nodes | Chae-yeong Song, Dong-hun Lee, Chaewon Moon, Sang-hyo Park, Suhyeon Lee, Jinwoo Jeong, Sungjei Kim | accepted 1616 |
|  |  |  |  |  |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/SceneDescription/MPEG-Contributions/-/issues*](https://git.mpeg.expert/MPEG/Systems/SceneDescription/MPEG-Contributions/-/issues) *for detailed discussion*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23090-14 - Scene Description for MPEG Media |  |  |  |  |
| 1616 | Technologies under Considerations on Scene Descriptions | Lukasz Kondrad | Y | 2025-10-17 | 25590 |
| 1617 | Procedures for standard development for ISO/IEC 23090-14 (MPEG-I Scene Description) | Thomas Stockhammer | Y | 2025-10-11 | 25591 |
| 1656 | Draft registration of Khronos extensions 2nd edition and Amd.1 | Thomas Stockhammer | Y | 2025-10-31 | 25630 |
| 1658 | EE Description for MPEG-I Scene Description | Thomas Stockhammer | Y | 2025-10-11 | 25632 |

# Conformance and Reference Software for Scene Description for MPEG Media (23090-24)

## ISO/IEC 23090-24 AMD 1 Conformance and reference software for scene description on haptics, augmented reality, avatars, interactivity and lighting

### Short Description

***Motivation:***

***Objective:***

### Project status

<https://sd.iso.org/projects/project/87584/overview>

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [DIS](https://isotc.iso.org/livelink/eb3/part/view.do?id=509858) | 1 | 2025-09-30 | 2025-12-23 | CREATED |  |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=504976) | 1 | 2025-04-08 | 2025-06-02 | CLOSED | - |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74687 | Scene | [SD] Software report | Gurdeep Singh | accepted 1647 |
| m74511 | Scene | [SD] Update on lighting conformance | Emmanuel Thomas, Emmanouil Potetsianakis, Evangelos Alexiou, Mary-Luc Champel (Xiaomi) | accepted 1647 |
| m74566 | Scene | [SD] XR and MPEG-I in 5G-MAG Reference Tools | Thomas Stockhammer, Jordi Gimenez, Nils Duval, | accepted 1647 |
|  |  |  |  |  |
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### Summary of Discussions

*Refer* [*https://git.mpeg.expert/MPEG/Systems/SceneDescription/MPEG-Contributions/-/issues*](https://git.mpeg.expert/MPEG/Systems/SceneDescription/MPEG-Contributions/-/issues) *for detailed discussion*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
| 1552 | DoC on ISO/IEC 23090-24 CDAM 1 Conformance and reference software for scene description on haptics, augmented reality, avatar integration, interactivity and lighting | Thomas Stockhammer | N | 2025-07-04 | 25299 |
| 1589 | Text of ISO/IEC 23090-24 DAM 1 Conformance and reference software for scene description on haptics, augmented reality, avatars, interactivity, MPEG-I audio and lighting | Gurdeep Bhullar | N | 2025-07-24 | 25336 |
| 1553 | Procedures for test scenarios and reference software development for MPEG-I Scene Description | Gurdeep Bhullar | Y | 2025-07-24 | 25300 |

## others

### Contributions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Number | Session | Title | Source | | Dispositions |
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### Summary of Discussions

*Refer* [*https://git.mpeg.expert/MPEG/Systems/SceneDescription/MPEG-Contributions/-/issues*](https://git.mpeg.expert/MPEG/Systems/SceneDescription/MPEG-Contributions/-/issues) *for detailed discussion*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
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# Carriage of Haptics (23090-32)

## Others

### Contributions

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| Number | Session | Title | Source | Dispositions |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/isobmff/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/isobmff/-/issues) *for detailed discussions*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23090-32 - Carriage of haptics data |  |  |  |  |
| 1362 | DoC on ISO/IEC DIS 23090-32 Carriage of haptics data | Ahmed Hamza | N | 2024-11-08 | 24425 |
| 1412 | Text of ISO/IEC FDIS 23090-32 Carriage of haptics data | Ahmed Hamza | N | 2025-12-20 | 24650 |

# Conf. and ref. SW for carriage of haptics (23090-37)

## ISO/IEC 23090-37 - Conformance and reference software for carriage of haptics data

### Short Description

***Motivation:***

***Objective:***

### Project status

[ISO Projects - ISO/IEC AWI 23090-37 - Overview](https://sd.iso.org/projects/project/90210/overview)

| **Type** | **Version** | **Started** | **End date** | **Status** | **Result** |
| --- | --- | --- | --- | --- | --- |
| [CD](https://isotc.iso.org/livelink/eb3/part/view.do?id=507198) | 1 | 2025-06-07 | 2025-07-31 | CLOSED |  |

### Goal of this meeting

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| 74827 |  | Summary of Voting on ISO/IEC CD 23090-37 |  | refer 1622 |
| m74421 | File Format | [ISOBMFF][Haptics] Crosscheck report on conformance and reference software ISO/IEC 23090-37 | Mitsuhiro Hirabayashi, Akihiro Nomoto, Seitaro Kaneko, Kazunobu Ohkuri (Sony Corporation) | noted |
| m74423 | File Format | [ISOBMFF][Haptics] Updates on conformance and reference software ISO/IEC 23090-37 | Mitsuhiro Hirabayashi, Akihiro Nomoto, Seitaro Kaneko, Kazunobu Ohkuri (Sony Corporation) | noted |
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### Summary of Discussions

*Refer BoG report and* [*https://git.mpeg.expert/MPEG/Systems/FileFormat/isobmff/-/issues*](https://git.mpeg.expert/MPEG/Systems/FileFormat/isobmff/-/issues) *for detailed discussions*

### Reference output document

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| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | ISO/IEC 23090-32 - Carriage of haptics data |  |  |  |  |
| 1622 | Draft DoC on ISO/IEC CD 23090-37 Conformance and reference software for carriage of haptics data | Ahmed Hamza | N | 2025-10-11 | 25596 |
| 1672 | Draft text of ISO/IEC DIS 23090-37 Conformance and reference software for carriage of haptics data | Mitsuhiro Hirabayashi | N | 2025-11-08 | 25734 |

# Avatar Representation Format (23090-39)

## ISO/IEC 23090-39 Avatar representation format

### Short Description

*To establish a universal and interoperable framework for 3D avatars, which is essential for the development of immersive communication and shared space experiences.*

### Project status

<https://sd.iso.org/projects/project/91745/overview>

### OSD

[ISO Projects - ISO/IEC CD 23090-39 - Online document](https://sd.iso.org/projects/project/91745/online-docs)

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
| m74475 | Scene | [ARF] 2D Avatar Representation based on Generative Face Video Coding | Francois Le Clerc, Philippe Guillotel, Philippe Henri Gosselin, Quentin Avril, JoÃ£o Regateiro | accepted 1635 |
| m74479 | Scene | [ARF] Avatar Composition in Avatar Representation Format | Philippe Henri Gosselin, Francois Le Clerc, Philippe Guillotel, Quentin Avril, JoÃ£o Regateiro | accepted 1635 |
| m74476 | Scene | [ARF] Avatar Representation Format Codec Libraries | Philippe Henri Gosselin, Francois Le Clerc, Philippe Guillotel, Quentin Avril, JoÃ£o Regateiro | accepted 1673 |
| m74477 | Scene | [ARF] Avatar Representation Format Unity Package | Philippe Henri Gosselin, Francois Le Clerc, Philippe Guillotel, Quentin Avril, JoÃ£o Regateiro | accepted 1618 |
| m74480 | Scene | [ARF] Full-Body Avatar Demo | JoÃ£o Regateiro, Quentin Avril, Imed Bouazizi | noted |
| m74484 | Scene | [ARF] Non-linear function for Animation link | JoÃ£o Regateiro, Philippe Henri Gosselin, Francois Le Clerc, Philippe Guillotel, Quentin Avril, | accepted 1649 |
| m74478 | Scene | [ARF] Proposed Corrections in ARF Specifications | Quentin Avril, Philippe Henri Gosselin, Francois Le Clerc, Philippe Guillotel, JoÃ£o Regateiro | accepted 1649 |
| m74491 | Scene | [ARF][EE1] Animation Bitstreams Contributions Moved to WG07 | JoÃ£o Regateiro, Philippe Henri Gosselin, Francois Le Clerc, Philippe Guillotel, Quentin Avril, | noted |
| m73942 | Scene | Analysis of the Avatar Representation Format (ARF) | Joao Regateiro (InterDigital), Philippe-Henri Gosselin (InterDigital), Quentin Avril (InterDigital), FranÃ§ois Le Clerc (InterDigital), Philippe Guillotel (InterDigital) | noted |
| m73939 | Scene | Animation Stream Editor | Imed Bouazizi, Thomas Stockhammer | noted |
| m74647 | Scene | Association of config with animation samples | Imed Bouazizi, Thomas Stockhammer | accepted 1635 |
| m73944 | Scene | Comments on the DIS ARF | Joao Regateiro (InterDigital), Ahmed Hamza, Philippe-Henri Gosselin (InterDigital), Quentin Avril (InterDigital), FranÃ§ois Le Clerc (InterDigital), Philippe Guillotel (InterDigital) | accepted 1649 |
| m74640 | Scene | Differentiation between animation and stream type |  | accepted 1649 |
| m73940 | Scene | Face and Body Tracking for Animation Stream Recording | Imed Bouazizi, Thomas Stockhammer | accepted 1618 |
| m73945 | Scene | Non-linear function for Animation link | Joao Regateiro (InterDigital), Philippe-Henri Gosselin (InterDigital), Quentin Avril (InterDigital), FranÃ§ois Le Clerc (InterDigital), Philippe Guillotel (InterDigital) | refer 74484 |
| m74646 | Scene | Overview of RTP payload format for ASU | Imed Bouazizi, Thomas Stockhammer | noted |
| m74639 | Scene | Proper indexing of shape keys | Imed Bouazizi, Thomas Stockhammer | accepted 1635 |
| m74641 |  | Clarifying packing order for tensors |  | accepted 1649 |
| m74601 | Scene | [SD][AVATAR] Animation Streams | Ahmed Hamza | withdrawn |
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### Summary of Discussions

*Refer* [*https://git.mpeg.expert/MPEG/Systems/SceneDescription/MPEG-Contributions/-/issues*](https://git.mpeg.expert/MPEG/Systems/SceneDescription/MPEG-Contributions/-/issues) *for detailed discussion*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **In Charge** | **TBP** | **Available** | **S/N** |
|  | **ISO/IEC 23090-39 - Avatar representation formats** |  |  |  |  |
| 1618 | Procedures and Test Formats for Avatar Representation Formats | Joao Regateiro | Y | 2025-10-17 | 25592 |
| 1635 | Technology under consideration and EE Description for Avatar representation formats | Anthony TRIOUX | Y | 2025-10-17 | 25609 |
| 1649 | Potential improvement of ISO/IEC DIS 23090-39 Avatar representation formats | Imed Bouazizi | Y | 2025-10-17 | 25623 |
| 1673 | New work item proposal for ISO/IEC 23090-43 Conformance and reference software for avatar representation format | Thomas Stockhammer | N | 2025-10-17 | 25744 |
| 1674 | Preliminary draft of ISO/IEC 23090-43 Conformance and reference software for avatar representation format | Joao Regateiro | Y | 2025-10-17 | 25745 |

# MPEG-AI

## 23888-6 Media authenticity and provenance indication

### Short Description

***Motivation:***

***Objective:***

### Project status

[ISO Projects - ISO/IEC PWI 23888-6 - Overview](https://sd.iso.org/projects/project/92695/overview)

### Contributions

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Number | | Session | | Title | Source | | Dispositions | | |
| m74553 | Exploration | | [Media Auth] Mapping ISOBMFF and DASH gap analysis to workflows | | | Iraj Sodagar | | accepted 1631 |
| m73957 | Exploration | | [Media Auth] Streaming and file playback media authentication workflows | | | Iraj Sodagar | | noted |
| m74010 | Exploration | | [Media Auth] Updated to media authentication workflows | | | Iraj Sodagar | | noted |
| m74440 | Exploration | | [Media Authenticity] On media cross authentication in ISOBMFF | | | CÃ©line Guede, Sylvain LeliÃ¨vre, Gurdeep Singh Bhullar, GaÃ«lle Martin-Cocher, Ahmed Hamza (InterDigital) | | accepted 1631 |
| m74512 | Exploration | | Media authenticity information in MPEG-2 transport streams | | | Karsten Grueneberg, Yago Sanchez de la Fuente | | noted |
| m73959 | Exploration | | On media authenticity workflows | | | Mohamad Raad, Roberto Ramos, Arjen Wagenaar, Dirk Griffioen | | noted |

### Discussions

*Refer* [*https://git.mpeg.expert/MPEG/Systems/explorations/-/issues*](https://git.mpeg.expert/MPEG/Systems/explorations/-/issues) *for detailed discussion*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | Explorations |  |  |  |  |
| 1631 | Exploration on media authenticity and provenance indication with the MPEG Systems technologies | Iraj Sodagar | Y | 2025-10-17 | 25605 |

# Exploration

## Application specific metadata definition and carriage in media AUs

### Short Description

***Motivation:***

***Objective:***

### Contributions

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Number | | Session | | Title | Source | Dispositions | |
| m73985 | Exploration | | [SysMetadata] Bitrate constraints in AAC bitstream and experimental test samples | | Emmanuel Thomas, Emmanouil Potetsianakis, Evangelos Alexiou, Mary-Luc Champel (Xiaomi) | noted |
| m74508 | Exploration | | [SysMetadata] Overview of relevant W3C-defned API and specifications | | Emmanuel Thomas, Emmanouil Potetsianakis, Evangelos Alexiou, Mary-Luc Champel (Xiaomi) | accepted 1630 |
| m74507 | Exploration | | [SysMetadata] Updates on bitrate constraints in AAC bitstream and experimental test samples | | Emmanuel Thomas, Emmanouil Potetsianakis, Evangelos Alexiou, Mary-Luc Champel (Xiaomi) | noted |

### Discussions

*Refer* [*https://git.mpeg.expert/MPEG/Systems/explorations/-/issues*](https://git.mpeg.expert/MPEG/Systems/explorations/-/issues) *for detailed discussion*

#### m74508

W3C WebCodec API can extract registered video frame metadata and create timed event. It would be nice if our metadata can be extracted through such API.

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | Explorations |  |  |  |  |
| 1630 | Exploration and preliminary working draft for application specific metadata definition and carriage in media AUs | Emmanuel Thomas | Y | 2025-10-11 | 25604 |

## MPEG Systems technology for coding for machine

### Short Description

***Motivation:***

***Objective:***

### Contributions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Session | Title | Source | Dispositions |
|  |  |  |  |  |
|  |  |  |  |  |

### Discussions

*Refer* [*https://git.mpeg.expert/MPEG/Systems/explorations/-/issues*](https://git.mpeg.expert/MPEG/Systems/explorations/-/issues) *for detailed discussion*

### Reference output document

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Title | In Charge | TBP | Available | S/N |
|  | Explorations |  |  |  |  |
| 1598 | Exploration on MPEG Systems support for Coding for Machine technologies | Jin Lee | Y | 2025-07-18 | 25346 |

# References

## WG3 email reflector (Official WG3 members)

* address : [sc29wg3@mpeg.or.kr](mailto:sc29wg3@mpeg.or.kr)
* Kindly hosted by KNB
* no need for asking subscription/removal

## Community email reflector (public to interested experts)

|  |  |  |
| --- | --- | --- |
| **Topic** | **Information** | **Kindly Hosted by** |
| **General Systems List** | Reflector : [gen-sys@lists.aau.at](mailto:gen-sys@lists.uni-klu.ac.at)  Subscribe: [http://lists.aau.at/mailman/listinfo/gen-sys](http://lists.uni-klu.ac.at/mailman/listinfo/gen-sys)  Archive: [http://lists.aau.at/mailman/private/gen-sys/](http://lists.uni-klu.ac.at/mailman/private/gen-sys/) | **Alpen-Adria-Universität Klagenfurt** |
| **File Format** | Reflector : [mp4-sys@lists.aau.at](mailto:mp4-sys@lists.uni-klu.ac.at)  Subscribe: [http://lists.aau.at/mailman/listinfo/mp4-sys](http://lists.uni-klu.ac.at/mailman/listinfo/mp4-sys)  Archive: [http://lists.aau.at/mailman/private/mp4-sys/](http://lists.uni-klu.ac.at/mailman/private/mp4-sys/) | **Alpen-Adria-Universität Klagenfurt** |
| **Application Format** | Reflector : mpeg-maf[-dev@lists.aau.at](mailto:-dev@lists.aau.at)  Subscribe: http://lists.aau.at/mailman/listinfo/mpeg-maf-dev  Archive: <http://lists.aau.at/mailman/private/mpeg-maf-dev/> | **Alpen-Adria-Universität Klagenfurt** |
| **CMAF** | Reflector : mpeg-cmaf@lists.aau.at  Subscdribe : https://lists.aau.at/mailman/listinfo/mpeg-cmaf | **Alpen-Adria-Universität Klagenfurt** |
| **MPEG Media Transport** | Reflector: [mmt@tnt.uni-hannover.de](mailto:mmt@tnt.uni-hannover.de)  Subscribe: <http://mailhost.tnt.uni-hannover.de/mailman/listinfo/mmt> | **University of Hannover** |
| **DASH** | Reflector [dash@lists.aau.at](mailto:dash@lists.aau.at)  Subscribe http://lists.aau.at/mailman/listinfo/dash | **Alpen-Adria-Universität Klagenfurt** |
| **User Description** | Reflector user@lists.aau.at  Subscribe http://lists.aau.at/mailman/listinfo/user | **Alpen-Adria-Universität Klagenfurt** |
| **Font Format** | Reflector mpeg-otspec@lists.aau.at  Subscribe <https://lists.aau.at/mailman/listinfo/mpeg-otspec>  Archive https://lists.aau.at/pipermail/mpeg-otspec/ | **Alpen-Adria-Universität Klagenfurt** |
| **NBMP** | Reflector mpeg-nbmp@lists.aau.at  Subscribe <https://lists.aau.at/mailman/listinfo/mpeg-nbmp>  Archive https://lists.aau.at/pipermail/mpeg-nbmp/ | **Alpen-Adria-Universität Klagenfurt** |
| **Scene Description** | Reflector mpeg-i-scene@lists.aau.at  Subscribe <https://lists.aau.at/mailman/listinfo/mpeg-i-scene>  Archive https://lists.aau.at/pipermail/mpeg-i-scene/ | **Alpen-Adria-Universität Klagenfurt** |
| **MP-AF** | Reflector: [preservation-tnt@listserv.uni-hannover.de](mailto:preservation-tnt@listserv.uni-hannover.de)  Subscribe:<https://listserv.uni-hannover.de/cgi-bin/wa?A0=preservation-tnt> |  |
| **Green** | Reflector [green-mpeg@googlegroups.com](mailto:green-mpeg@googlegroups.com)  Subscribe To subscribe, contact Youngkwon Lim (yklwhite@gmail.com) |  |
| **Smart Contracts** | Reflector smart-contracts@lists.aau.at  Subscribe https://lists.aau.at/mailman/listinfo/smart-contracts | **Alpen-Adria-Universität Klagenfurt** |
| **Scene Description** | Reflector mpeg-i-scene@lists.aau.at  Subscribe https://lists.aau.at/mailman/listinfo/mpeg-i-scene | **Alpen-Adria-Universität Klagenfurt** |
| **REAP** | Reflector synched-encoding@lists.aau.at  Subscribe https://lists.aau.at/mailman/listinfo/synched-encoding | **Alpen-Adria-Universität Klagenfurt** |

## AHG Rules

<https://www.mpegstandards.org/wp-content/uploads/2022/01/ISO-IECJTC1-SC29-AG2_N0046_AhG.pdf>

## ISO Zoom account

### ****People/roles eligible to get an ISO Web Conferencing account****

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## Standing Documents

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pr** | **Pt** | **Documents** | **No.** | **Meeting** |
| 1 | 1 | MPEG-1 White Paper – Multiplex Format | **N7675** | 05/07 Nice |
| 1 | 1 | MPEG-1 White Paper – Terminal Architecture | **N7676** | 05/07 Nice |
| 1 | 1 | MPEG-1 White Paper – Multiplexing and Synchronization | **N7677** | 05/07 Nice |
| 2 | 1 | MPEG-2 White Paper – Multiplex Format/ | **N7678** | 05/07 Nice |
| 2 | 1 | MPEG-2 White Paper – Terminal Architecture | **N7679** | 05/07 Nice |
| 2 | 1 | MPEG-2 White Paper – Multiplexing and Synchronization | **N7680** | 05/07 Nice |
| 2 | 11 | MPEG-2 White Paper – MPEG-2 IPMP | **N7503** | 05/07 Poznan |
| 4 | 1 | MPEG-4 White Paper – MPEG-4 Systems | **N7504** | 05/07 Poznan |
| 4 | 1 | MPEG-4 White Paper – Terminal Architecture | **N7610** | 05/10 Nice |
| 4 | 1 | MPEG-4 White Paper – M4MuX | **N7921** | 06/01 Bangkok |
| 4 | 1 | MPEG-4 White Paper – OCI | **N8148** | 06/04 Montreux |
| 4 | 6 | MPEG-4 White Paper – DMIF | **N8149** | 06/04 Montreux |
| 4 | 11 | MPEG-4 White Paper – BIFS | **N7608** | 05/10 Nice |
| 4 | 12 | MPEG-4 White Paper – ISO File Format | **N8150** | 06/04 Montreux |
| 4 | 14 | MPEG-4 White Paper – MP4 File Format | **N7923** | 06/01 Bangkok |
| 4 | 15 | MPEG-4 White Paper – AVC File Format | **N7924** | 06/01 Bangkok |
| 4 | 13 | White Paper on MPEG-4 IPMP | **N7505** | 05/07 Poznan |
| 4 | 13 | MPEG IPMP Extensions Overview | **N6338** | 04/03 München |
| 4 | 17 | White Paper on Streaming Text | **N7515** | 05/07 Poznan |
| 4 | 18 | White Paper on Font Compression and Streaming | **N7508** | 05/07 Poznan |
| 4 | 20 | Presentation Material on LASER | **N6969** | 05/01 Hong-Kong |
| 4 | 20 | White Paper on LASeR | **N7507** | 05/07 Poznan |
| 4 | 22 | White Paper on Open Font Format | **N7519** | 05/07 Poznan |
| 7 | 1 | MPEG-7 White Paper - MPEG-7 Systems | **N7509** | 05/07 Poznan |
| 7 | 1 | MPEG-7 White Paper – Terminal Architecture | **N8151** | 06/04 Montreux |
| 21 | 9 | MPEG-21 White Paper – MPEG-21 File Format | **N7925** | 06/01 Bangkok |
| A | X | MPEG Application Format Overview | **N9421** | 07/10 Shenzhen |
| A | X | MAF Overview Document | **N9840** | 08/04 Archamps |
| A | X | MAF Overview Presentation | **N9841** | 08/04 Archamps |
| B | X | MPEG-B White Paper – BinXML | **N7922** | 06/01 Bangkok |
| E | X | MPEG Multimedia Middleware Context and Objectives | **N6335** | 04/03 München |
| E | X | 1rst M3W White paper | **N7510** | 05/07 Poznan |
| E | X | 2nd M3W White Paper : Architecture | **N8152** | 06/04 Montreux |
| E | X | Tutorial on M3W | **N8153** | 06/04 Monreux |
| E | X | M3W White Paper : Multimedia Middleware Architecture | **N8687** | 06/10 Hanzhou |
| E | X | M3W White Paper : Multimedia API | **N8688** | 06/10 Hanzhou |
| E | X | M3W White Paper : Component Model | **N8689** | 06/10 Hanzhou |
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| E | X | M3W White Paper : Component Download | **N8691** | 06/10 Hanzhou |
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| E | X | M3W White Paper : System Integrity Management | **N8693** | 06/10 Hanzhou |

## Progress of projects

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**129th meeting**

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**131st meeting**

**1st meeting (MPEG 132)**

**2nd meeting (MPEG 133)**

**3rd meeting (MPEG 134)**

**4th meeting (MPEG 135)**

**5th meeting (MPEG 136)**

**6th meeting (MPEG 137)**

**7th meeting (MPEG 138)**

**8th meeting (MPEG 139)**

**9th meeting (MPEG 140)**

**10th meeting (MPEG 141)**

**11th meeting (MPEG 142)**

**12th meeting (MPEG 143)**

**13th meeting (MPEG 144)**

**14th meeting (MPEG 145)**

**15th meeting (MPEG 146)**

**16th meeting (MPEG 147)**

**17th meeting (MPEG 148)**

**18th meeting (MPEG 149)**

**19th meeting (MPEG 150)**

**20th meeting (MPEG 151)**

**21st meeting (MPEG 152)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Std** | **Pt** | **Project** | **Request** | **CD**  **PDAM**  **DCOR**  **PDTR** | **DIS**  **DAM** | **FDIS**  **FDAM**  **COR**  **DTR** | **Remark** |
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| 2 | 1 | 13818-1:2015 AMD 4 New Profiles and Levels for MPEG-4 Audio Descriptor |  |  |  | 15630 |  |
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| 2 | 1 | 13818-1:2015 AMD 6 Carriage of Quality Metadata | 15168 | 15169 | 15473 | 15914 |  |
| 2 | 1 | 13818-1:2015 COR 1 |  | 15474 |  | 15627 |  |
| 2 | 1 | 13818-1:2015 AMD 7 Virtual Segment | 15631 | 15632 | 15916 | 16395 |  |
| 2 | 1 | 13818-1:2015 AMD 8 Signaling of carriage of HDR/WCG video in MPEG-2 Systems | 15917 | 15918 | 16159 | 16593 |  |
| 2 | 1 | 13818-1:2015 COR 2 |  | 15919 |  | 16393 |  |
| 2 | 1 | 13818-1 6th edition |  |  |  | 16930 |  |
| 2 | 1 | 13818-1:2018 AMD 1 Ultra-Low-Latency mode and 4K and higher resolution support for transport of JPEG 2000 video | 16396 | 16397 | 16595 | 16927 |  |
| 2 | 1 | 13818-1:2018 AMD 2 Support of Media Orchestration and sample variants in MPEG-2 TS | 16778 | 16779 | 17147 | 7th |  |
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| 2 | 1 | 13818-1 7th edition AMD 1 Carriage of JPEG XS in MPEG-2 TS | **17589** | **17831** | **17989** | **18618** |  |
| 2 | 1 | 13818-1:2019 COR 1 |  | **18619**  **18838** |  | **19297** | published  20-10-28 |
| 2 | 1 | 13818-1:2019 AMD 2 Carriage of VVC in MPEG-2 TS | **19035** | **19048** | **19436** |  |  |
| 2 | 1 | 13818-1:2019 AMD 3 Carriage of EVC in MPEG-2 TS and update of the MPEG-H 3D Audio descriptor | **19298** | **19449** | **16** |  |  |
| 2 | 1 | 13818-1 8th edition |  |  |  | **185** |  |
| 2 | 1 | 13818-1:2019 AMD 4 Carriage of LCEVC and other improvements | **30** | **34** | **244**  **312** | **571** | **19453** |
| 2 | 1 | 13818-1 8th edition COR1 |  | **572** |  | **727** |  |
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| 2 | 1 | 13818-1 9th edition |  |  |  | **879** |  |
| 2 | 1 | 13818-1 9th AMD 1 Codec parameter clarifications and other improvements | **1177** | **1202** | **1268** |  | 10th edition |
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| 4 | 12 | 14496-12 5th edition COR 1 |  | 16615 |  | 16932 |  |
|  |  | 14496-12 6th edition |  |  |  | 17277  **18855**  **19301** | published  20-10-28 |
| 4 | 12 | 14496-12:201X 6th edition AMD 1 Compact Sample-to-Group, new capabilities for tracks, and other improvements | 16934 | **17378** | **17543** | **17972** |  |
| 4 | 12 | 14496-12 6th edition COR 1 |  | 17155 |  | **17792** |  |
| 4 | 12 | 14496-12:201X 6th edition AMD 2 Box relative data addressing | **17591** | **17832** | **17969** | 18418 |  |
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| 4 | 12 | 14496-12 8th edition AMD 2 Carriage of depth and alpha | **1505** | **1562** | **1628** |  |  |
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| 4 | 14 | 14496-14 2nd edition |  |  |  | **17593** |  |
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| 4 | 15 | 14496-15 COR 2 |  | 16312  16423 |  | 16787 |  |
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| 4 | 15 | 14496-15:202x AMD 1 Support for neural-network post-filter supplemental enhancement information and other improvements | **819** | **954** | **1073** | **1241** |  |
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| 4 | 11 | ISO/IEC 14496-11/Amd.3 Audio BIFS Extensions | **N6591** | 04/07 Redmond |
| 4 | 11 | ISO/IEC 14496-11/Amd.4 XMT and MPEG-J Extensions | **N6959** | 05/01 HongKong |
| 4 | 11 | ISO/IEC 14496-11/Cor.3 (Audio BIFS Integrated in 3rd Edition) | **N7230** | 05/04 Busan |
| 4 | 11 | ISO/IEC 14496-11/Cor.5 (Misc Corrigendum) | **N8383** | 06/07 Klagenfurt |
| 4 | 11 | ISO/IEC 14496-11/Amd.5 Symbolic Music Representation | **N8657** | 06/10 Hangzhou |
| 4 | 11 | ISO/IEC 14496-11/Cor.6 (AudioFx Correction) | **N9021** | 07/04 San Jose |
| 4 | 11 | ISO/IEC 14496-11/Amd.6 Scene Partitioning | **N10247** | 08/10 Busan |
| 4 | 11 | ISO/IEC 14496-11/Amd.7 ExtendedCore2D Profile | **N11251** | 10/04 Dresden |
| 4 | 11 | **ISO/IEC 14496-11 (MPEG-4 Scene Description 2nd Edition)** | **15289** | 15/02 Geneva |
| 4 | 12 | **ISO/IEC 14496-12 (ISO Base Media File Format)** | **N5295** | 02/10 Shanghai |
| 4 | 12 | ISO/IEC 14496-12/Amd.1 ISO File Format Extension | **N6596** | 04/07 Redmond |
| 4 | 12 | ISO/IEC 14496-12/Cor.1 (Correction on File Type Box) | **N7232** | 05/04 Busan |
| 4 | 12 | ISO/IEC 14496-12/Cor.2 (Miscellanea) | **N7901** | 06/01 Bangkok |
| 4 | 12 | ISO/IEC 14496-12/Amd.1 (Description of timed metadata) | **N8659** | 06/10 Hangzhou |
| 4 | 12 | ISO/IEC 14496-12/Cor.3 (Miscellanea) | **N9024** | 07/04 San Jose |
| 4 | 12 | ISO/IEC 14496-12/Amd.2 (Flute Hint Track) | **N9023** | 07/04 San Jose |
| 4 | 12 | **ISO/IEC 14496-12 (ISO Base Media File Format 3rd edition)** | **N9678** | 08/01 Antalya |
| 4 | 12 | ISO/IEC 14496-12/Cor.1 | **N10250** | 08/10 Busan |
| 4 | 12 | ISO/IEC 14496-12/Cor.2 | **N10441** | 09/02 Lausanne |
| 4 | 12 | ISO/IEC 14496-12/Amd.1 General improvements including hint tracks, metadata support, and sample groups | **N10580** | 09/04 Maui |
| 4 | 12 | ISO/IEC 14496-12/Cor.3 | **N10753** | 09/07 London |
| 4 | 12 | ISO/IEC 14496-12/Cor.4 | **N11723** | 11/01 Daegu |
| 4 | 12 | ISO/IEC 14496-12:2008/Amd.2 Support for sub-track selection & switching, post-decoder requirements, and color information | **N12268** | 11/11 Geneva |
| 4 | 12 | ISO/IEC 14496-12:2008 COR 5 | N12642 | 12/04 Geneva |
| 4 | **12** | **ISO/IEC 14496-12 4th edition** | **N12640** | **12/04 Geneva** |
| 4 | 12 | ISO/IEC 14496-12:201X AMD1 Various enhancements including support for large metadata | N12844 | 12/07 Stockholm |
| 4 | 12 | ISO/IEC 14496-12:2012/AMD 2 carriage of timed text and other visual overlays | N13663 | 13/07 Vienna |
| 4 | 12 | ISO/IEC 14496-12:2012 COR 1 | N13667 | 13/07 Vienna |
| 4 | 12 | ISO/IEC 14496-12:2012/COR 2 | N14323 | 14/04 Valencia |
| 4 | 12 | ISO/IEC 14496-12:2012 FDAM 3 Font streams and other improvements to file format | N14572 | 14/07 Sapporo |
| 4 | 12 | Text of ISO/IEC 14496-12:2012 COR 3 | N14827 | 14/10 Strasbourg |
| 4 | 12 | Text of ISO/IEC 14496-12:2012 COR 4 | 15176 | 15/02 Geneva |
| 4 | 13 | **ISO/IEC 14496-13 (IPMP-X)** | **N5284** | 02/10 Shanghai |
| 4 | 14 | **ISO/IEC 14496-14:2003 (MP4 File Format)** | **N5298** | 02/10 Shanghai |
| 4 | 14 | ISO/IEC 14496-14:2003/Cor.1 (Audio P&L Indication) | **N7903** | 06/01 Bangkok |
| 4 | 14 | ISO/IEC 14496-14:2003/Amd.1 Handling of MPEG-4 audio enhancement layers | **N11138** | 10/01 Kyoto |
| 4 | 15 | **ISO/IEC 14496-15 (AVC File Format)** | **N5780** | 03/07 Trondheim |
| 4 | 15 | ISO/IEC 14496-15/Amd.1 (Support for FREXT) | **N7585** | 05/10 Nice |
| 4 | 15 | ISO/IEC 14496-15/Cor.1 | **N7575** | 05/10 Nice |
| 4 | 15 | ISO/IEC 14496-15/Cor.2 (NAL Unit Restriction) | **N8387** | 06/07 Klagenfurt |
| 4 | 15 | ISO/IEC 14496-15/Amd.2 (SVC File Format Extension) | **N9682** | 08/01 Antalya |
| 4 | 15 | **ISO/IEC 14496-15 (AVC File Format 2nd edition)** | **N11139** | 10/01 Kyoto |
| 4 | 15 | ISO/IEC 14496-15:2010/Cor.1 | **N11728** | 11/01 Daegu |
| 4 | 15 | ISO/IEC 14496-15:2010/Amd. 1 (Sub-track definitions) | **N12128** | 11/07 Torino |
| 4 | 15 | ISO/IEC 14496-15:2010/COR 2 | **N12645** | 12/04 Geneva |
| 4 | 15 | **ISO/IEC 14496-15:2013 3rd edition Carriage of NAL unit structured video in the ISO Base Media File Format** | **N13478** | 13/04 Incheon |
| 4 | 15 | ISO/IEC 14496-15:2013/COR 1 | **N14327** | 14/04 Valencia |
| 4 | 15 | ISO/IEC 14496-15:2013 COR 1 | **14833** | 14/10 Starsbourg |
| 4 | 17 | **ISO/IEC 14496-17 (Streaming Text)** | **N7479** | 05/07 Poznan |
| 4 | 18 | **ISO/IEC 14496-18 (Font Compression and Streaming)** | **N6215** | 03/12 Hawaii |
| 4 | 18 | ISO/IEC 14496-18/Cor.1 (Misc. corrigenda and clarification) | **N8664** | 06/10 Hangzhou |
| 4 | 18 | ISO/IEC 14496-18:2012 COR 1 | **N13671** | 13/07 Vienna |
| 4 | 18 | ISO/IEC 14496-18 AMD 1 Updated semantics of decoderSpecificInfo and font data description for ISOBMFF | N14329 | 14/04 Valencia |
| 4 | 19 | **ISO/IEC 14496-19 (Synthesized Texture Stream)** | **N6217** | 03/12 Hawaii |
| 4 | 20 | **ISO/IEC 14496-20 (LASeR & SAF)** | **N7588** | 05/10 Nice |
| 4 | 20 | ISO/IEC 14496-20/Cor.1 (Misc. corrigenda and clarification) | **N8666** | 06/10 Hangzhou |
| 4 | 20 | ISO/IEC 14496-20/Amd.1 (LASeR Extension) | **N9029** | 07/04 San Jose |
| 4 | 20 | ISO/IEC 14496-20/Cor.2 (Profile Removal) | **N9381** | 07/10 Shenzhen |
| 4 | 20 | ISO/IEC 14496-20/Amd.2 (SVGT1.2 Support) | **N9384** | 07/10 Shenzhen |
| 4 | 20 | **ISO/IEC 14496-20 (LASeR & SAF 2nd edition)** | **N** |  |
| 4 | 20 | ISO/IEC 14496-20/Amd.1 SVGT1.2 support | **N** |  |
| 4 | 20 | ISO/IEC 14496-20/Amd.2 Adaptation | **N10759** | 09/07 London |
| 4 | 20 | ISO/IEC 14496-20/Amd.3 PMSI | **N10954** | 09/10 Xian |
| 4 | 20 | ISO/IEC 14496-20/Cor. 1 | **N11376** | 10/07 Geneva |
| 4 | 22 | **ISO/IEC 14496-22 (Open Font Format)** | **N8395** | 06/07 Klagenfurt |
| 4 | 22 | **ISO/IEC 14496-22 (Open Font Format 2nd edition)** | **N** |  |
| 4 | 22 | ISO/IEC 14496-22/Amd.1 Support for many-to-one range mappings | **N10954** | 09/10 Xian |
| 4 | 22 | ISO/IEC 14496-22:2009/Amd. 2 Additional script and language tags | **N12472** | 12/02 San Jose |
| 4 | 22 | **ISO/IEC FDIS 14496-22 3rd edition** | **15185** | 15/02 Geneva |
| 4 | 28 | ISO/IEC IS 14496-28 Composite Font Representation | **N12473** | 12/02 San Jose |
| 4 | 28 | ISO/IEC 14496-28:2012 COR 1 | **N13674** | 13/07 Vienna |
| 4 | 28 | ISO/IEC 14496-28 COR 2 | **N14333** | 14/04 Valencia |
| 4 | 30 | **ISO/IEC 14496-30 Timed Text and Other Visual Overlays in ISO Base Media File Format** | **N13676** | 13/07 Vienna |
| 4 | 30 | ISO/IEC 14496-30 COR1 | **15188** | 15/02 Geneva |
| 7 | 1 | **ISO/IEC 15938-1 (MPEG-7 Systems)** | **N4285** | 01/07 Sydney |
| 7 | 1 | ISO/IEC 15938-1/Amd.1 (MPEG-7 Systems Extensions) | **N6326** | 04/03 Munich |
| 7 | 1 | ISO/IEC 15938-1/Cor.1 (MPEG-7 Systems Corrigendum) | **N6328** | 04/03 Munich |
| 7 | 1 | ISO/IEC 15938-1/Cor.2 (MPEG-7 Systems Corrigendum) | **N7490** | 05/07 Poznan |
| 7 | 1 | ISO/IEC 15938-1/Amd.2 (BiM extension) | **N7532** | 05/10 Nice |
| 7 | 2 | **ISO/IEC 15938-2 (MPEG-7 DDL)** | N4288 | 01/07 Sydney |
| 7 | 5 | **ISO/IEC 15938-5 MDS** |  |  |
| 7 | 5 | ISO/IEC 15938-5/Amd. 4 Social Metadata | N12649 | 12/04 Geneva |
|  |  | ISO/IEC 15938-5:2005 FDAM 5 Quality metadata, multiple text encodings, extended classification metadata | 15190 | 15/02 Geneva |
| 7 | 7 | **ISO/IEC 15938-7** |  |  |
| 7 | 7 | **ISO/IEC 15938-7/Amd.2 (Fast Access Ext. Conformance)** | **N8672** | 06/10 Hangzhou |
| 7 | 12 | **ISO/IEC 15938-12 MPEG Query Format** | **N9830** | 08/04 Archamps |
| 7 | 12 | ISO/IEC 15938-12/Cor.1 | **N10452** | 09/02 Lausanne |
| 7 | 12 | ISO/IEC 15938-12/Cor.2 | **N10959** | 09/10 Xian |
| 7 | 12 | ISO/IEC 15938-12/And.1 Ref, SW and flat metadata output | **N11383** | 10/07 Geneva |
| 7 | 12 | ISO/IEC 15938-12/And.2 Semantic enhancement | **N11734** | 11/01 Daegu |
| 7 | 12 | **ISO/IEC 15938-12 2nd edition MPEG Query Format** | **N12850** | 12/07 Stockholm |
| 21 | 2 | **ISO/IEC 21000-2 (DID)** |  |  |
| 21 | 2 | ISO/IEC 21000-2:2005/Amd.1Presentation Element | N11736 | 11/01 Daegu |
| 21 | 3 | **ISO/IEC 21000-3 (DII)** |  |  |
| 21 | 3 | ISO/IEC 21000-3:2003 AMD 2 Digital item semantic relationships | N13041 | 12/10 Shangahi |
| 21 | 4 | **ISO/IEC 21000-4 (IPMP)** |  |  |
| 21 | 4 | ISO/IEC 21000-4:2005/Amd.1Protection of Presentation Element | N11738 | 11/01 Daegu |
| 21 | 4 | ISO/IEC 21000-4:2006/COR 1 | N12278 | 11/11 Geneva |
| 21 | 5 | **ISO/IEC 21000-5 (Open Release Content Profile)** | N9687 | 08/01 Antalya |
| 21 | 8 | **ISO/IEC 21000-8 (Reference Software)** |  |  |
| 21 | 8 | ISO/IEC 21000-8:2008/Amd. 2 (Reference software for Media Value Chain Ontology) | N12135 | 11/07 Torino |
| 21 | 8 | ISO/IEC 21000-8 AMD 3 Contract Expression Language (CEL) and Media Contract Ontology (MCO) Reference Software | N14336 | 14/04 Valencia |
| 21 | 9 | **ISO/IEC 21000-9 (MPEG-21 File Format)** | N6975 | 05/01 HongKong |
| 21 | 9 | ISO/IEC 21000-9/Amd.1 (MPEG-21 Mime Type) | N9837 | 08/04 Archamps |
| 21 | 15 | **ISO/IEC 21000-15 (Security in Event Reporting)** | N9839 | 08/04 Archamps |
| 21 | 16 | **ISO/IEC 21000-16 (MPEG-21 Binary Format)** | N7247 | 05/04 Busan |
| 21 | 19 | **ISO/IEC 21000-19 (Media Value Chain Ontology)** | N11146 | 10/01 Kyoto |
| 21 | 20 | **ISO/IEC 21000-20 (Contract Expression Language)** | N113043 | 12/10 Shanghai |
| 21 | 21 | **ISO/IEC 21000-21 Media Contract Ontology** | N13099 | 12/10 Shanghai |
| 21 | 21 | ISO/IEC 21000-21 COR 1 | N14583 | 14/07 Sapporo |
| A | 4 | **ISO/IEC 23000-4 (Musical Slide Show MAF)** | N9037 | 07/04 San Jose |
| A | 4 | **ISO/IEC 23000-4 (Musical Slide Show MAF 2nd Ed.)** | N9843 | 08/04 Archamps |
| A | 4 | ISO/IEC 23000-4 Amd.1 Conformance & Reference Software | N |  |
| A | 4 | ISO/IEC 23000-4 Amd.2 Conformance & Reference Software for Protected MSS MAF | N |  |
| A | 6 | **ISO/IEC 23000-6 (Professional Archival MAF)** | N |  |
| A | 6 | ISO/IEC 23000-6 Amd.1 Conformance and Reference Software | N |  |
| A | 6 | **ISO/IEC 23000-6 2nd edition (Professional Archival MAF)** | N12853 | 12/07 Stockholm |
| A | 7 | **ISO/IEC 23000-7 (Open Access MAF)** | N9698 | 08/01 Antalya |
| A | 7 | ISO/IEC 23000-7 Amd.1 Conformance and Reference Software | N |  |
| A | 8 | **ISO/IEC 23000-8 (Portabe Video AF)** | N9853 | 08/04 Archamps |
| A | 9 | **ISO/IEC 23000-9 (Digital Multi. Broadcasting MAF)** | N9397 | 07/10 Shenzhen |
| A | 9 | ISO/IEC 23000-9/Cor.1 (Digital Multi. Broadcasting MAF) | N9854 | 08/04 Archamps |
| A | 9 | ISO/IEC 23000-9/Amd.1 (Conformance & Reference SW) | N11151 | 10/01 Kyoto |
| A | 9 | ISO/IEC 23000-9/Amd.1/Cor. 1 | N11742 | 11/01 Daegu |
| A | 9 | ISO/IEC 23000-9:2008/Amd.1:2010/COR.2 | N12283 | 11/11 Geneva |
| A | 10 | **ISO/IEC 23000-10 (Video Surveillance AF)** | N9397 | 07/10 Shenzhen |
| A | **10** | **ISO/IEC 23000-10 2nd edition Surveillance Application Format** | N13045 | **12/10 Shanghai** |
| A | 10 | ISO/IEC 23000-10:2012/AMD 1 Conformance and reference software | N13966 | 13/10 Geneva |
| A | 10 | ISO/IEC 23000-10:2012/COR 1 | N14126 | 14/01 San Jose |
| A | 11 | **ISO/IEC 23000-11 (Stereoscopic video MAF)** | N9397 | 07/10 Shenzhen |
| A | 11 | ISO/IEC 23000-11/Cor.1 | N |  |
| A | 11 | ISO/IEC 23000-11/Amd.1 Conformance and Reference software | N11574 | 10/10 Guangzhou |
| A | 11 | ISO/IEC 23000-11:2009/Amd. 2 Signalling of additional composition type and profiles | N12143 | 11/07 Torino |
| A | 11 | ISO/IEC 23000-11:2009/AMD 3 Support movie fragment for Stereoscopic Video AF | N13969 | 13/10 Geneva |
| A | 12 | **ISO/IEC 23000-12 (Interactive Music AF)** | N |  |
| A | 12 | ISO/IEC 23000-12/Amd. 1 Conformance & Reference SW. | N11746 | 11/01 Daegu |
| A | 12 | ISO/IEC 23000-12:2010 Amd. 2 Compact representation of dynamic volume change and audio equalization | N12483 | 12/02 San Jose |
| A | 12 | ISO/IEC 23000-12:2010/AMD 3 Conformance and Reference Software | N13273 | 13/01 Geneva |
| B | 1 | **ISO/IEC 23001-1 (XML Binary Format)** | N7597 | 05/10 Nice |
| B | 1 | ISO/IEC 23001-1/Cor.1 (Misc. Editorial and technical clar.) | N8680 | 06/10 Hangzhou |
| B | 1 | ISO/IEC 23001-1/Cor.2 (Misc. Editorial and technical clar.) | N9049 | 07/04 San Jose |
| B | 1 | ISO/IEC 23001-1/Amd.1 (Reference Soft. & Conf.) | N8886 | 07/01 Marrakech |
| B | 1 | ISO/IEC 23001-1/Amd.1 (Exten. On encoding of wild cards) | N9296 | 07/07 Lausanne |
| B | 2 | **ISO/IEC 23001-2 (Fragment Request Unit)** | N9051 | 07/04 San Jose |
| B | 3 | **ISO/IEC 23001-3 (IPMP XML Messages)** | N9416 | 07/04 San Jose |
| B | 7 | **ISO/IEC 23001-7 (Common Encryption for ISO Base Media File Format Files)** |  |  |
| B | 7 | ISO/IEC 23001-7:2012/Amd.1 AES-CBC-128 and key rotation | N12859 | 12/07 Stockholm |
| B | 7 | **ISO/IEC FDIS 23001-7 2nd edition (Common Encryption for ISO Base Media File Format Files)** | N14588 | 14/07 Sapporo |
| B | 8 | **ISO/IEC 23001-8 coding-independent code-points** | N13278 | 130/01 Geneva |
| B | 9 | **ISO/IEC 23001-9 Common Encryption for MPEG-2 Transport Streams** | N13973 | 13/10 Geneva |
| B | 10 | **ISO/IEC FDIS 23001-10 Carriage of Timed Metadata Metrics of Media in the ISO Base Media File Format** | 15208 | 15/02 Geneva |
| B | **11** | **ISO/IEC 23001-11 Green Metadata** | N14853 | 14/10 Starsbourg |
| E | **1** | **ISO/IEC 23008-1 Architecture** | N8892 | 07/01 Marrakech |
| E | **2** | **ISO/IEC 23008-2 Multimedia API** | N8893 | 07/01 Marrakech |
| E | **3** | **ISO/IEC 23008-3 Component Model** | N8894 | 07/01 Marrakech |
| E | **4** | **ISO/IEC 23008-4 Ressource & Quality Management** | N8895 | 07/01 Marrakech |
| E | **5** | **ISO/IEC 23008-5 Component Download** | N9053 | 07/04 San Jose |
| E | **6** | **ISO/IEC 23008-6 Fault Management** | N9054 | 07/04 San Jose |
| E | **7** | **ISO/IEC 23008-7 System Integrity Management** | N9055 | 07/04 San Jose |
| E | **8** | **ISO/IEC 23008-7 Reference Software** | N |  |
| M | **1** | **ISO/IEC 23006-1 Architecture and Technologies** | N11163 | 10/01 Kyoto |
| M | **1** | **ISO/IEC 23006-1 2nd edition Architecture** | N13454 | 13/01 Geneva |
| M | **2** | **ISO/IEC 23006-2 MXM API** | N11165 | 10/01 Kyoto |
| M | **2** | **ISO/IEC 23006-2 2nd edition MXM API** | N13492 | 13/04 Incheon |
| M | **3** | **ISO/IEC 23006-3 Reference Software** | N11168 | 10/01 Kyoto |
| M | **3** | **ISO/IEC 23006-3 2nd edition Conformance and Reference Software** | N13493 | 13/04 Incheon |
| M | **4** | **ISO/IEC 23006-4 MXM Protocols** | N11170 | 10/01 Kyoto |
| M | **4** | **ISO/IEC 23006-4 2nd edition Elementary services** | N13072 | 12/10 Shanghai |
| M | **5** | **ISO/IEC 23006-5 Service aggregation** | N13074 | 12/10 Shanghai |
| U | **1** | **ISO/IEC 23007-1 Widgets** | N11256 | 10/04 Dresden |
| U | 1 | ISO/IEC 23007-1:2010/FDAM 1 Widget Extensions | N12153 | 11/07 Torino |
| U | 1 | ISO/IEC 23007-1:2010/Amd.1:2012/ COR 1 | N12872 | 12/07 Stockholm |
| U | 1 | ISO/IEC 23007-1:2010/Amd.1:2012/ COR 2 | N13974 | 13/10 Geneva |
| U | **2** | **ISO/IEC 23007-2 Advanced user interaction interface** | N12670 | **12/04 Geneva** |
| U | **3** | **ISO/IEC 23007-3 Conformance and Reference SW** | N11767 | 11/01 Daegu |
| U | 3 | ISO/IEC 23007-3:2011/AMD 1 Conformance and reference software for widget extension and AUI | N14616 | 14/07 Sapporo |
| V | **1** | **ISO/IEC 23005-1 Architecture** | N11419 | 10/07 Geneva |
| V | **1** | **ISO/IEC 23005-1 2nd edition Architecture** | N13803 | 13/07 Vienna |
| V | **2** | **ISO/IEC 23005-2 Control Information** | N11422 | 10/07 Geneva |
| V | **3** | **ISO/IEC 23005-3 Sensory Information** | N11425 | 10/07 Geneva |
| V | **3** | **ISO/IEC 23005-3:2013/COR1** | N13807 | 13/07 Vienna |
| V | **4** | **ISO/IEC 23005-4 Virtual World Object Characteristics** | N11427 | 10/07 Geneva |
| V | **5** | **ISO/IEC 23005-5 Data Formats for Interaction Devices** | N11429 | 10/07 Geneva |
| V | **6** | **ISO/IEC 23005-6 Common Data Format** | N11432 | 10/07 Geneva |
| V | **7** | **ISO/IEC 23005-7 Conformance and Reference Software** | N11952 | 11/03 Geneva |
| V | **7** | **ISO/IEC 23005-7 2nd edition Conformance and reference software** | N13812 | 13/07 Vienna |
| H | **1** | **ISO/IEC 23008-1 MPEG Media Transport** | N13982 | 13/10 Geneva |
| H | 1 | ISO/IEC 23008-1 FDAM 1 Additional technologies for MMT | N14633 | 14/07 Sapporo |
| H | 1 | ISO/IEC 23008-1:2014 FDAM 2 Header Compression and Cross Layer Interface | N14871 | 14/10 Strasbourg |
| H | 1 | ISO/IEC 23008-1:2014 COR 1 | 14869 | 14/10 Strasbourg |
| H | **10** | **ISO/IEC 23008-10 MMT FEC Codes** | N14638 | 14/07 Sapporo |
| H | **11** | **ISO/IEC 23008-11 Composition Information** | N14640 | 14/07 Sapporo |
| DASH | **1** | **ISO/IEC 23009-1 Media Presentation Description and Segment Formats** | N12329 | 11/11 Geneva |
| DASH | **1** | ISO/IEC 23009-1:2012 COR. 1 | N13495 | 13/04 Incheon |
| DASH | **1** | **ISO/IEC 23009-1:201x 2nd edition** | N13687 | 13/07 Vienna |
| DASH | 1 | ISO/IEC 23009-1:2014 COR 1 | N14622 | 14/07 Sapporo |
| DASH | 1 | ISO/IEC 23009-1:2014 FDAM 1 Extended profiles and time synchronization | **14860** | 14/10 Strasbourg |
| DASH | 1 | ISO/IEC 23009-1:2014 FDAM 2 Spatial Relationship Description, Generalized URL parameters and other extensions | **15217** | 15/02 Geneva |
| DASH | **2** | **ISO/IEC 23009-2 DASH Conformance and reference software** | N13691 | 13/07 Vienna |
| DASH | **4** | **ISO/IEC 23009-4 Segment encryption and authentication** | N13291 | 13/01 Geneva |

## Standard development procedure from July 1st, 2012

* It is recommended to issue CD ballots iteratively until specs become mature enough not to receive any technical comments to DIS and to be able to skip FDIS ballot.



## Ballot periods and Recommended due date for ballot texts

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Circulation type | Preparation3 | Translation | Commenting | Total |
| CD/CDAM/CDTR |  |  | 8 weeks | **8 weeks** |
| (first) DIS/DAM | 2 weeks | 8 weeks | 12 weeks | **22 weeks** |
| Subsequent DIS/DAM1 | 2 weeks | (none) | 8 weeks | **10 weeks** |
| (first) DTR | 6 weeks | 2 weeks | 8 weeks | **16 weeks** |
| Subsequent DTR2 | 2 weeks | (none) | 8 weeks | **10 weeks** |
| DCOR |  |  | 12 weeks | **12 weeks** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Meeting** | **Starting Date** | **Due date of CD   (2 month ballot)** | **Due date of DIS** |
| 17 | 2024/10/01 | 2024/07/22 | 2024/04/07 |
| 18 | 2025/01/20 | 2024/11/10 | 2024/07/27 |
| 19 | 2025/04/01 | 2025/01/22 | 2024/10/08 |
| 20 | 2025/07/14 | 2025/05/04 | 2025/01/21 |

## Checkpoints for request for new projects

* IS or AMD target date. In the case you include FDIS stage in the target date, it’s 6 month after FDIS target date (not 3 months!). In the case you skip FDIS stage, it’s 9 months after DIS target date.
* Adding two statements
  + statement 1 (end of the document): This Subdivision/Amendment does not expand the scope of the original project.
  + statement 2 (in the case you’re requesting Amd.3 and further as their correction will not be published as it is): This Amendment is planned to be in corporate into the next Edition of the project and will not be published as an Amendment.
* Also note to make sure the title of project is exactly the same in the document title and the actual request document. This will save me additional communication with editors.
* Choose one or more SDG goals (<https://www.iso.org/sdgs.html>) that your project contributes to and add them after statement 1 stated in item 2 above. FYI, I have submitted ISO that all SC 29 projects contribute to 09 (Industry, innovation and infrastructure) and 11(Sustainable cities and communities).

## Text submission Guidelines

### ISO Templates

For drafting standards, refer to the guidelines here:

https://www.iso.org/iso-templates.html

These materials are available at the link above:

* How to write standards – tips for standards writers
* Model document of an International Standard – Rice model
* Model document of an Amendment – Rice model Amendment
* Simple Template\*   
  \*correct “ISO” in the header, header and the first page to “ISO/IEC” when drafting standard.

Please note that Automated template is not available for use anymore. Some editors may draft a new edition of a standard based on the current edition drafted using the automated template. In this case, the automation shall be disabled as it causes possible errors and link breakages when it’s rendered to PDF file, which is required for submission to ISO.

### DIS/FDIS Stage Submission guidelines

• For DIS/FDIS stage ballot, submission of followings from editor to SC 29 Secretary is required.

* Text (Word file, clean without correction or annotation)
* PDF file of the text (Without reference link error /automated template error)
* to delete the automated template error, select the error area and delete the setting using "Ctrl+Shift+F9" in windows environment.
* Graphic files in revisable format (See the Guidelines)

• The text has to have exact correct title on the first page and elsewhere identical to the one in the ISO Website.

• The text shall have the current stage (DIS, FDIS, DAM, FDAM, TR, IS) and year written in its header.

### Corrigenda

COR is to correct errors identified during drafting or publication stage and only for standards published no more than 3 years ago. It needs ISO/CS assessment on the reason of the introduction of the error during the drafting or publication stage and by who and when for taking corrective actions in case the error was introduced at ISO/CS, and for consideration to publish a COR if this error has safety impact on the application of the standard. For the process, submission of Defect Report as in Annex B from Project Editor is necessary at the same time as Corrigenda submission. This COR process is not to be used to make additional changes proposed by WG during WG discussion: in such case, Revision or AMD shall be done by SC29 resolution (as far as scope is not expanded, otherwise NP ballot needed).

## NWIP

NWIP can include CD text.

## OSD

* Project overview of OSD: <https://sway.cloud.microsoft/s4WjFoQKazarZFpF?loc=swsp>
* Getting started: <https://helpdesk-docs.iso.org/category/631-getting-started>
* OSD sandbox: <https://sd-train.iso.org/projects/project/77462/online-docs>
  + Username: choose anyone between [leader6@osd.org](mailto:leader6@osd.org) and leader13@osd.org
  + Password: OCA\_training2021
* Training sessions
  + <https://helpdesk-docs.iso.org/article/760-osd-virtual-skill-bite-trainings>   
    30-minute sessions which introduce the OSD and provide an overview of all the different resources we have available. A recording is also available on this page
  + <https://helpdesk-docs.iso.org/article/761-osd-virtual-resource-orientation-sessions>  
    1 hour trainings dedicated to each of these roles, and the key functionalities available for them within the OSD.
* OSD for a specific project is created when a project NWIP is approved. However, to create a WD on OSD, preliminary work item (PWI) can be requested through the recommendation. The request shall capture the following information items: title, scope, information on the justification for the PWI, assignment of a PWI to a subgroup of the committee, and any other committee information that may be relevant according to 2.2.2, JTC 1 Supplement.

## 4CC registration

## URI collection

## Freely available standards criteria

1. NO-COST AVAILABILITY ELSEWHERE

Deliverables for which authorized identical or technically equivalent deliverables are

available at no-cost in electronic format elsewhere.

2. TECHNICAL CORRIGENDA

Corrigenda should always be available at no cost since corrigenda are fixing defects in a

deliverable. This is the same as current ISO/IEC policy.

3. AMENDMENTS

Amendments should be available at no cost if the deliverable being amended was

available at no cost.

4. REVISIONS

A revision should be available at no cost if the deliverable being revised was available at

no cost, and if the scope of the revision does not exceed the scope of the original

deliverable.

5. DATASETS AND SOFTWARE CODE

Datasets – including machine-readable schemas and catalogues of components or

requirements – and software code included with a standard instead and/or that they

promote sales of associated standards. The condition is that the standard itself cannot

be reverse-engineered from the free content.

6. REFERENCES

Deliverables that are references (pointers) to other documents.

7. REFERENCE MODELS

Deliverables that explain the relationships between existing deliverables. Architectural

descriptions that describe frameworks to guide standards development, including

profiles and taxonomies.

8. INTRODUCTIONS

Purely introductory parts of multi-part standards.

## NWIP

* Two step process
  + SC29 approval either through 4 week CIB or through the resolution at the meeting
  + JTC 1 ballot for 3 months.
* Questions to be asked during the ballot of NWIP (Form 4)

|  |
| --- |
| 1a. Do you approve, disapprove or abstain on this NWIP? |
| Please also select from one of the following options (note that if no option is selected, the default will be the first option): |
| 1b. Did you consult with the range of relevant stakeholders identified in the proposal in the development of this voting position and related comments? |
| 2. Standard(s), regulation(s), and other relevant documentation existing in our country, with any remarks concerning their application if necessary and consequences for global relevance, as well as copyright information on these documents, are attached: |
| 3. Do you wish to add any additional comments? |
| 4. We are committed to participating actively in the development of the project, at least by commenting on working drafts (P-members voting "Disapprove" in Qu. 1a may nevertheless nominate experts): |

* + 1a is about approval of the project.
    - NB can approve the registration of the project by choosing the status of the attached draft after approval of the project.
      * The stage selected by the NB means the stage the attached text will be balloted after the project is approved. For example, if 30.00 (CD) is selected then it means that the attached text can go to CD ballot after the project is approved.
      * The WG should follow the majority vote by the NBs. If WG wants to promote the document beyond the ballot results there needs to be SC29 resolution. For example, if the majority of NB has chosen CD but WG wants to go to DIS ballot then there should be WG recommendation and SC 29 resolution about skipping CD consultation stage.
    - NB can reject the registration of the project by selecting registration of the project as PWI (Preliminary Work Item) or absolutely nothing.
      * If the project is registered as PWI, then there should be another NWIP ballot to go to CD ballot.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Member responses - Votes by members** | | | | | | | | | |
| **Country (Member body)** | **Status\*** | **1a. Agree to add to work programme** | | | | | | |  |
| **Yes** | | | **No** | | **Abs\*** | |
| **20.00** | **30.00** | **40.00** | **PWI:**  **Yes** | **PWI:**  **No** | **NC** | **Exp** |

* + 3 is about both the project itself and the attached text.
    - NB can provide technical comments to the attached text by answering this question.