Source: VIDEO SWG Chairman[[1]](#footnote-1)

Title: Proposed meeting agenda for VIDEO SWG during SA4#128 rev3

Document for: your information

Agenda Item: 9

9. Video SWG

9.1 Opening of the session

Link to online minutes: <https://docs.google.com/document/d/1Ncr-okaPJFqWCRfDNG2FR9mXeXU3KrPx2_S8XmgO9F8/edit#heading=h.1qzzx7unveay>

9.2 Registration of documents

9.3 Reports and liaisons from other groups – *Plenary A.I. 5.2*

|  |  |  |
| --- | --- | --- |
| **Tdoc** | **Title** | **Status** |
| [**S4-240862**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240862.zip) | LS to request clarification on mobile metaverse services | **AVATAR** |
| [**S4-241132**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241132.zip) | LS on Media Beyond 2D and Reference Tools for XR and Immersive Media | **Reply into XXX** |
|  | | |
| **XXX** | Reply LS to 5GMAG |  |

9.4 CRs to Features in Release 18 and earlier *– Closing plenary A.I. 13*

|  |  |  |
| --- | --- | --- |
| **Tdoc** | **Title** | **Status** |
| [**S4-240993**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240993.zip) | Correction to trackable metrics | **Rev to 996** |
| [**S4-240996**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240996.zip) | Correction to trackable metrics | **Rev to 1137** |
|  | | |
| **1137** | Correction to trackable metrics | **Agreed (gotoplen 13)** |

9.5 VOPS (Video Operating Points – Harmonization and Stereo MV-HEVC) *– Closing plenary A.I. 15.2*

WID: [SP-240060](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_103_Maastricht_2024-03/Docs/SP-240060.zip) New WID on Video Operating Points - Harmonization and Stereo MV-HEVC

|  |  |  |
| --- | --- | --- |
| **Tdoc** | **Title** | **Status** |
| **TS 26.565** | | |
| [**S4-240911**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240911.zip) | [VOPS] Existing Video Capabilities | **agreed** |
| [**S4-240910**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240910.zip) | [VOPS] Introduction to TS 26.565 | **parked** |
| [**S4-240912**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240912.zip) | [VOPS] Mapping of Capabilities to Existing Frameworks | **parked** |
| **MPEG dependencies** | | |
| [**S4-241075**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241075.zip) | [VOPS] On support of carriage of metadata in CMAF | **Rev to 1129** |
| [**S4-241074**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241074.zip) | [VOPS] On codec string encoding for L-HEVC | **Parked (offline)** |
| [**S4-241076**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241076.zip) | [VOPS] On new MV-HEVC profiles at MPEG/JVET and misleading terminology | **noted** |
| **S4-241129** | [VOPS] On support of carriage of metadata in CMAF | **Parked (offline)** |
| **Work plan** | | |
| [**S4-241077**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241077.zip) | [VOPS] Work Plan |  |
|  | | |
|  |  |  |

9.6 FS\_AI4Media (Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media) *– Closing plenary A.I. 16.5*

WID: [SP-230538](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230538.zip) revised SID on Artificial Intelligence (AI) and Machine Learning (ML) for Media

|  |  |  |
| --- | --- | --- |
| **Tdoc** | **Title** | **Status** |
| **Function PD & TR 26.927** | | |
| [**S4-241065**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241065.zip) | [AI4Media] pCR Crowd sourced media capture and synthesis | **parked** |
| [**S4-240966**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240966.zip) | [FS\_AI4Media] IMS architecture and call flow mapping | **parked** |
| [**S4-241025**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241025.zip) | [FS\_AI4Media] pCR on related work | **parked** |
| [**S4-241027**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241027.zip) | [FS\_AI4Media] pCR on general architecture | **Agreed(TR)** |
| [**S4-241028**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241028.zip) | [FS\_AI4Media] pCR on procedure for federated learning | **parked** |
| [**S4-241029**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241029.zip) | [FS\_AI4Media] pCR on fix of procedure for split inferencing | **parked** |
| [**S4-241115**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241115.zip) | [FS\_AI4Media] pCR Split on existing formats for AIML | **parked** |
| [**S4-241116**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241116.zip) | [FS\_AI4Media] pCR Intermediate data compression approaches | **parked** |
| **S4-241026** | [FS\_AI4Media] pCR on general architecture | **withdrawn** |
| **Way forward for functional aspects** | | |
| [**S4-241030**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241030.zip) | [FS\_AI4Media] Overview of TR 26.927 v0.7.0 status | **noted** |
| [**S4-241118**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241118.zip) | [FS\_AI4Media] Operator related topics analysis | **agreed** |
| **Evaluation PD & TR 26.847** | | |
| [**S4-240883**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240883.zip) | [FS\_AI4Media] NNC results for compression of model data for automatic speech recognition without data-driven tools | **agreed** |
| [**S4-241103**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241103.zip) | [FS\_AI4Media] multi-branch split APIs and scripts for ONNX models | **agreed** |
| [**S4-241104**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241104.zip) | [FS\_AI4Media] multi-branch split on ONNX models | **agreed** |
| [**S4-241105**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241105.zip) | [FS\_AI4Media] multi-branch split experiments on ONNX models | **parked** |
| [**S4-241111**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241111.zip) | [FS\_AI4Media] AIML model splittability evaluation on ONNX models | **agreed** |
| [**S4-241114**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241114.zip) | [FS\_AI4Media] Intermediate data compression experiments | **agreed** |
| **Timeplan** | | |
| **S4-241036** | [FS\_AI4Media] Proposed Updated Time and Work Plan | **missing** |
|  | | |
| **AAA** | Draft TR 26.927 v0.8.0 |  |
| **BBB** | Evaluation PD |  |
| **CCC** | Functional PD |  |

9.7 FS\_FGS (Feasibility Study on Film Grain Synthesis) *– Closing plenary A.I. 16.6*

WID: [SP-230539](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230539.zip) New SID on Feasibility Study on Film Grain Synthesis

|  |  |  |
| --- | --- | --- |
| **Tdoc** | **Title** | **Status** |
|  |  |  |
|  | | |
|  |  |  |

9.8 FS\_AVATAR (Feasibility Study on Avatars for Real-Time Communication) *– Closing plenary A.I. 16.7*

WID: [SP-230544](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230544.zip) New SID on Feasibility Study on Avatars for Real-Time Communication

|  |  |  |
| --- | --- | --- |
| **Tdoc** | **Title** | **Status** |
| [**S4-240928**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240928.zip) | AVATAR-related features in glTF 2.0 and MPEG-I Scene Description |  |
| [**S4-240964**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240964.zip) | [FS\_AVATAR] 2D Avatar description update |  |
| [**S4-240965**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240965.zip) | [FS\_AVATAR] 2D Avatar architecture and call flow mapping |  |
| [**S4-241031**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241031.zip) | [FS\_AVATAR] Further on interoperability |  |
| [**S4-241106**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241106.zip) | [FS\_AVATAR] Definitions and reference architecture updates |  |
| [**S4-241108**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241108.zip) | [FS\_AVATAR] Morph Target Animation |  |
| [**S4-241113**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241113.zip) | [FS\_AVATAR] Updates to Avatar AR Call Flows |  |
| [**S4-241117**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241117.zip) | [FS\_AVATAR] Updates to MPEG-I Scene Description Mapping |  |
| **S4-241109** | [FS\_AVATAR] On AVATAR storage and sharing | **withdrawn** |
|  | | |
|  |  |  |

9.9 FS\_Beyond2D (Study on Beyond 2D Video) *– Closing plenary A.I. 16.6*

WID: [SP-240066](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_103_Maastricht_2024-03/Docs/SP-240066.zip) New SID on Beyond 2D Video

|  |  |  |
| --- | --- | --- |
| **Tdoc** | **Title** | **Status** |
| **Offline Discussion Report** | | |
| **S4-241124** | [FS\_Beyond2D] Summary of Offline Discussion on Scenarios | **noted** |
| **Guidance & General Framework** | | |
| [**S4-240915**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240915.zip) | [FS\_Beyond2D] Simplifying Scenarios | **noted** |
| [**S4-240880**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240880.zip) | Beyond 2D Format Referencing Model | **noted** |
| [**1158**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240880.zip) | [FS\_Beyond2D] Reference Model and Evaluation Framework | **Revised 1159** |
| 1159 | [FS\_Beyond2D] Reference Model and Evaluation Framework | **Revised to 1164** |
| 1164 | [FS\_Beyond2D] Reference Model and Evaluation Framework | **agreed** |
| **Market-relevance** | | |
| [**S4-241107**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241107.zip) | [FS\_Beyond2D] Market relevance of Beyond 2D formats | **Parked (offline)** |
| [**S4-240946**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240946.zip) | [FS\_Beyond2D] Thoughts on Market Relevance | **Parked (offline)** |
| [**S4-241020**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241020.zip) | [FS\_Beyond2D] On market relevance | **Parked (offline)** |
| **S4-240934** | [FS\_Beyond2D] On market relevance | **Rev to 1136** |
| **1136** | [FS\_Beyond2D] On market relevance | **Parked (offline)** |
| **Proposed Scenarios** | | |
| [**S4-240916**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240916.zip) | [FS\_Beyond2D] Messaging Scenario | **parked** |
| [**S4-240949**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240949.zip) | [FS\_Beyond2D] Proposed Scenario: B2D Live Streaming | **parked** |
| [**S4-240979**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240979.zip) | [FS\_Beyond2D] Proposed Scenario: Free Viewpoint Video |  |
| [**S4-240983**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240983.zip) | FS\_Beyond\_2D streaming scenario |  |
| [**S4-240989**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240989.zip) | [FS\_Beyond2D] Scenario Streaming of Beyond 2D Produced Content – Use Case Immersive scenes | **parked** |
| [**S4-241094**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241094.zip) | [Beyond2D] Scenario on Streaming of Beyond 2D Produced Content - Use Case “Volumetric Video with single asset |  |
| [**S4-240997**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240997.zip) | [FS\_Beyond2D] Scenario UE-to-UE Beyond 2D Video Communication |  |
| **TR 26.956** | | |
| [**S4-240947**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240947.zip) | [FS\_Beyond2D] TR 26.956 v0.0.2 |  |
| [**S4-240963**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240963.zip) | [FS\_Beyond2D] Summary of the video capabilities for messaging services defined in TS 26.143 |  |
| [**S4-240980**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240980.zip) | [FS\_Beyond2D] Description of B2D formats |  |
| **Work Plan** | | |
| [**S4-240948**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240948.zip) | [FS\_Beyond2D]Work Plan v0.2 |  |
|  | | |
|  |  |  |

9.10 Other Rel-19 matters including TEI *– Closing plenary A.I. 15*

9.11 New Work / New Work Items and Study Items*– Closing plenary A.I. 18*

|  |  |  |
| --- | --- | --- |
| **Tdoc** | **Title** | **Status** |
| [**S4-240886**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240886.zip) | New codecs to be added to supported video Codecs by 3gpp |  |
|  | | |
|  |  |  |

9.12 Liaisons and Liaison Responses

9.13 Any Other Business

|  |  |  |
| --- | --- | --- |
| **Tdoc** | **Title** | **Status** |
| [**S4-241078**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241078.zip) | Updates on Colour Format Enhancement Derivation in HEIF | **noted** |
| [**S4-241079**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241079.zip) | Colour Format Enhancement using layered HEVC | **noted** |
|  | | |
|  |  |  |

9.14 Close of the session

|  |  |  |
| --- | --- | --- |
| **Tdoc** | **Title** | **Status** |
| **S4-241148** | Video SWG report during SA4#128 | **Gotoplen 12.4** |

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Tdoc “color code”: black** **= submitted for the meeting by the Tdoc submission deadline**

**gray** **= submitted for the meeting after the Tdoc submission deadline**

**blue = postponed from an earlier SA4 meeting**

**red** **= covered during this meeting**

Highlighted **= missing document**

Highlighted = email agreement ongoing

Highlighted = status defined from email agreement process

**~~strikethrough~~ = withdrawn**

Conclusion codes: n: noted, r: revised, a: agreed, awp: agreed without presentation, w: withdrawn, pl: go to plenary, nt: not treated

Meeting schedule (Including Indicative tropics per session)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TSG SA4#128** |  | | | | |
| **20-24 May 2024** |  |  |  |  |  |
|  | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Meeting room / local time | Ballroom C (90) | Ballroom C (90) | Ballroom C (90) | Ballroom C (90) | Ballroom C (90) |
| 0800 - 0830 |  | TBD | TBD | TBD | Plenary re-starts at 0800 Agenda items 11-22 |
| 0830 - 0900 |
| 0900 - 0930 |  | MBS | Video (FS-AVATAR) | MBS |
| 0930 - 1000 |
| 1000 - 1030 |
| 1030 - 1100 |  |  |  |  | Coffee break |
| 1100 - 1130 |  | MBS | Video (New work, washup) | Video (washup) | Agenda items 11-22 |
| 1130 - 1200 |
| 1200 - 1230 |
| 1230 - 1400 |  |  |  |  | Lunch break |
| 1400 - 1430 | Video  (Maintenance, VOPS) | Video (LS, FS\_Beyond2D) | MBS |  | Agenda items 11-22 1600 - End of plenary |
| 1430 - 1500 |
| 1500 - 1530 |
| 1530 - 1600 |
| 1600 - 1630 |  |  |  |  |  |
| 1630 - 1700 | Video (FS\_AI4Media) | Video (FS\_Beyond2D) | MBS |  |  |
| 1700 - 1730 |  |
| 1730 - 1800 |  |
| 1800 - 1830 | TBD | TBD |  |
| 1830 - 1900 |  |
| 1900 - 1930 |  |  |  |  |  |
| 1930 - 2000 |  |

Annex A – Documents’ status

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tdoc number | Title | Source | SWG Agenda Item | Replaced by | SWG Status | SA4 A.I. for Tdocs presented at SA4 plenary\* |
| [S4-240862](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240862.zip) | LS to request clarification on mobile metaverse services | SA3 | 9.3 |  |  |  |
| [S4-240880](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240880.zip) | Beyond 2D Format Referencing Model | HUAWEI TECH. GmbH | 9.9 |  | noted |  |
| [S4-240883](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240883.zip) | [FS\_AI4Media] NNC results for compression of model data for automatic speech recognition without data-driven tools | Fraunhofer HHI, Nokia Corporation | 9.6 |  | agreed |  |
| [S4-240886](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240886.zip) | New codecs to be added to supported video Codecs by 3gpp | VODAFONE Group Plc | 9.11 |  |  |  |
| [S4-240910](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240910.zip) | [VOPS] Introduction to TS 26.565 | Qualcomm Germany | 9.5 |  |  |  |
| [S4-240911](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240911.zip) | [VOPS] Existing Video Capabilities | Qualcomm Germany | 9.5 |  | agreed |  |
| [S4-240912](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240912.zip) | [VOPS] Mapping of Capabilities to Existing Frameworks | Qualcomm Incorporated | 9.5 |  |  |  |
| [S4-240915](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240915.zip) | [FS\_Beyond2D] Simplifying Scenarios | Qualcomm Germany | 9.9 |  | noted |  |
| [S4-240916](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240916.zip) | [FS\_Beyond2D] Messaging Scenario | Qualcomm Germany | 9.9 |  |  |  |
| [S4-240928](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240928.zip) | AVATAR-related features in glTF 2.0 and MPEG-I Scene Description | Qualcomm France | 9.8 |  |  |  |
| S4-240934 | [FS\_Beyond2D] On market relevance | Beijing Xiaomi Electronics | 9.9 | S4-241136 | revised |  |
| [S4-240946](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240946.zip) | [FS\_Beyond2D] Thoughts on Market Relevance | China Mobile Com. Corporation | 9.9 |  |  |  |
| [S4-240947](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240947.zip) | [FS\_Beyond2D] TR 26.956 v0.0.2 | China Mobile Com. Corporation | 9.9 |  |  |  |
| [S4-240948](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240948.zip) | [FS\_Beyond2D]Work Plan v0.2 | China Mobile Com. Corporation | 9.9 |  |  |  |
| [S4-240949](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240949.zip) | [FS\_Beyond2D] Proposed Scenario: B2D Live Streaming | China Mobile Com. Corporation | 9.9 |  |  |  |
| [S4-240963](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240963.zip) | [FS\_Beyond2D] Summary of the video capabilities for messaging services defined in TS 26.143 | Qualcomm Incorporated, China Mobile Com. Corporation | 9.9 |  |  |  |
| [S4-240964](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240964.zip) | [FS\_AVATAR] 2D Avatar description update | HUAWEI TECHNOLOGIES Co. Ltd. | 9.8 |  |  |  |
| [S4-240965](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240965.zip) | [FS\_AVATAR] 2D Avatar architecture and call flow mapping | HUAWEI TECHNOLOGIES Co. Ltd. | 9.8 |  |  |  |
| [S4-240966](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240966.zip) | [FS\_AI4Media] IMS architecture and call flow mapping | HUAWEI TECHNOLOGIES Co. Ltd. | 9.6 |  |  |  |
| [S4-240979](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240979.zip) | [FS\_Beyond2D] Proposed Scenario: Free Viewpoint Video | China Mobile Com. Corporation | 9.9 |  |  |  |
| [S4-240980](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240980.zip) | [FS\_Beyond2D] Description of B2D formats | China Mobile Com. Corporation | 9.9 |  |  |  |
| [S4-240983](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240983.zip) | FS\_Beyond\_2D streaming scenario | Huawei, Hisilicon | 9.9 |  |  |  |
| [S4-240989](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240989.zip) | [FS\_Beyond2D] Scenario Streaming of Beyond 2D Produced Content – Use Case Immersive scenes | Nokia, Interdigital, Philips, Deutsche Telekom, Fraunhofer HHI | 9.9 |  |  |  |
| [S4-240993](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240993.zip) | Correction to trackable metrics | InterDigital, Europe, Ltd. | 9.4 | S4-240996 | revised |  |
| [S4-240996](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240996.zip) | Correction to trackable metrics | InterDigital, Europe, Ltd. | 9.4 | S4-241137 | revised |  |
| [S4-240997](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-240997.zip) | [FS\_Beyond2D] Scenario UE-to-UE Beyond 2D Video Communication | Nokia, InterDigital, Philips, Deutsche Telekom, Fraunhofer HHI | 9.9 |  |  |  |
| [S4-241020](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241020.zip) | [FS\_Beyond2D] On market relevance | Nokia Corporation | 9.9 |  |  |  |
| [S4-241025](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241025.zip) | [FS\_AI4Media] pCR on related work | Samsung Electronics France SA | 9.6 |  |  |  |
| S4-241026 | [FS\_AI4Media] pCR on general architecture | Samsung Electronics France SA | 9.6 |  | withdrawn |  |
| [S4-241027](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241027.zip) | [FS\_AI4Media] pCR on general architecture | Samsung Electronics France SA | 9.6 |  | agreed |  |
| [S4-241028](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241028.zip) | [FS\_AI4Media] pCR on procedure for federated learning | Samsung Electronics France SA | 9.6 |  |  |  |
| [S4-241029](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241029.zip) | [FS\_AI4Media] pCR on fix of procedure for split inferencing | Samsung Electronics France SA | 9.6 |  |  |  |
| [S4-241030](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241030.zip) | [FS\_AI4Media] Overview of TR 26.927 v0.7.0 status | Samsung Electronics France SA | 9.6 |  | noted |  |
| [S4-241031](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241031.zip) | [FS\_AVATAR] Further on interoperability | Samsung Electronics France SA | 9.8 |  |  |  |
| S4-241036 | [FS\_AI4Media] Proposed Updated Time and Work Plan | Samsung Electronics France SA | 9.6 |  |  |  |
| [S4-241065](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241065.zip) | [AI4Media]pCR Crowd sourced media capture and synthesis | Nokia Corporation | 9.6 |  |  |  |
| [S4-241074](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241074.zip) | [VOPS] On codec string encoding for L-HEVC | Apple Inc. | 9.5 |  |  |  |
| [S4-241075](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241075.zip) | [VOPS] On support of carriage of metadata in CMAF | Apple Inc. | 9.5 | S4-241129 | revised |  |
| [S4-241076](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241076.zip) | [VOPS] On new MV-HEVC profiles at MPEG/JVET and misleading terminology | Apple Inc. | 9.5 |  | noted |  |
| [S4-241077](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241077.zip) | [VOPS] Work Plan | Apple Inc. | 9.5 |  |  |  |
| [S4-241078](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241078.zip) | Updates on Colour Format Enhancement Derivation in HEIF | Apple Inc. | 9.13 |  | noted |  |
| [S4-241079](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241079.zip) | Colour Format Enhancement using layered HEVC | Apple Inc. | 9.13 |  | noted |  |
| [S4-241094](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241094.zip) | [Beyond2D] Scenario on Streaming of Beyond 2D Produced Content - Use Case “Volumetric Video with single asset | Deutsche Telekom, Fraunhofer HHI, Interdigital Europe, KDDI, Nokia, Philips, Samsung, Sony | 9.9 |  |  |  |
| [S4-241103](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241103.zip) | [FS\_AI4Media] multi-branch split APIs and scripts for ONNX models | InterDigital Belgium. LLC | 9.6 |  | agreed |  |
| [S4-241104](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241104.zip) | [FS\_AI4Media] multi-branch split on ONNX models | InterDigital Belgium. LLC | 9.6 |  | agreed |  |
| [S4-241105](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241105.zip) | [FS\_AI4Media] multi-branch split experiments on ONNX models | InterDigital Belgium. LLC | 9.6 |  |  |  |
| [S4-241106](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241106.zip) | [FS\_AVATAR] Definitions and reference architecture updates | InterDigital Canada | 9.8 |  |  |  |
| [S4-241107](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241107.zip) | [FS\_Beyond2D] Market relevance of Beyond 2D formats | Tencent | 9.9 |  |  |  |
| [S4-241108](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241108.zip) | [FS\_AVATAR] Morph Target Animation | Tencent | 9.8 |  |  |  |
| S4-241109 | [FS\_AVATAR] On AVATAR storage and sharing | Tencent | 9.8 |  | withdrawn |  |
| [S4-241111](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241111.zip) | [FS\_AI4Media] AIML model splittability evaluation on ONNX models | InterDigital Belgium. LLC | 9.6 |  | agreed |  |
| [S4-241113](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241113.zip) | [FS\_AVATAR] Updates to Avatar AR Call Flows | InterDigital Canada | 9.8 |  |  |  |
| [S4-241114](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241114.zip) | [FS\_AI4Media] Intermediate data compression experiments | InterDigital Belgium. LLC | 9.6 |  | agreed |  |
| [S4-241115](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241115.zip) | [FS\_AI4Media] pCR Split on existing formats for AIML | InterDigital Belgium. LLC | 9.6 |  |  |  |
| [S4-241116](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241116.zip) | [FS\_AI4Media] pCR Intermediate data compression approaches | InterDigital Belgium. LLC | 9.6 |  |  |  |
| [S4-241117](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241117.zip) | [FS\_AVATAR] Updates to MPEG-I Scene Description Mapping | InterDigital Canada | 9.8 |  |  |  |
| [S4-241118](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241118.zip) | [FS\_AI4Media] Operator related topics analysis | InterDigital Belgium. LLC | 9.6 |  | agreed |  |
| [S4-241124](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241124.zip) | [FS\_Beyond2D] Summary of Offline Discussion on Scenarios | China Mobile Com. Corporation | 9.9 |  | noted |  |
| S4-241129 | [VOPS] On support of carriage of metadata in CMAF | Apple Inc. | 9.5 |  |  |  |
| [S4-241132](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241132.zip) | LS on Media Beyond 2D and Reference Tools for XR and Immersive Media | 5G-MAG MEDIA ACTION GROUP | 9.3 | S4-XXXXXX | replied |  |
| **Tdoc number** | **Title** | **Source** | **Agenda item** | **Replaced by** | **SWG status** | **Plenary A.I.** |
| 1129 | [VOPS] On support of carriage of metadata in CMAF | Apple Inc. | 9.5 |  |  |  |
| [S4-241137](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241137.zip) | Correction to trackable metrics | InterDigital, Europe, Ltd., Tencent | 9.4 |  | agreed | 13 |
| S4-241148 | VIDEO SWG report during SA4#128 | VIDEO SWG Chair (Tencent) | - |  | - | 12.4 |
| S4-XXXXXX | Reply LS to 5G-MAG | SA4 (Thomas) | 9.3 |  |  | 5.2 |
| [S4-241158](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241158.zip) | [FS\_Beyond2D] Reference Model and Evaluation Framework | Qualcomm Germany, Huawei, Philips | 9.9 | S4-241159 | revised |  |
| [S4-241159](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241159.zip) | [FS\_Beyond2D] Reference Model and Evaluation Framework | Qualcomm Germany, Huawei, Philips | 9.9 | S4-241164 | revised |  |
| [S4-241164](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241164.zip) | [FS\_Beyond2D] Reference Model and Evaluation Framework | Qualcomm Germany, Huawei, Philips, Tencent | 9.9 |  | agreed |  |
| [S4-241136](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_128_Jeju/Docs/S4-241136.zip) | [FS\_Beyond2D] On market relevance | Beijing Xiaomi Electronics, Apple Inc., Qualcomm Inc., Vivo, Oppo, China Mobile Com. Corporation | 9.9 |  |  |  |
|  |  |  |  |  |  |  |

Annex B – Participants list (XX)

|  |  |  |
| --- | --- | --- |
| **NAME** | **LASTNAME** | **COMPANY** |
| Mike | **WAZOWSKI** | **Monsters, Inc.** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

1. Gilles TENIOU, TENCENT ; teniou@global.tencent.com [↑](#footnote-ref-1)