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

**Title: VIDEO SWG Report during SA4#131-bis-e**

## Document for: Approval

## Agenda Item: 12.3

*The VIDEO SWG has the responsibility for general 3GPP SA4 video matters.*

VIDEO SWG output documents

|  |  |  |
| --- | --- | --- |
| **A.I.** | **Topic** | **Tdoc** |
| 5.3 | LS | **619** (MPEG LS) -> postponed in VIDEO SWG**600**->noted in VIDEO SWG |
| 12.3 | VIDEO SWG report | **722** |
| 14 | TEI | 26.813 CR**454** |
| 14.4 | VOPS | 26.265: **710**TP: **482** |
| 15.3 | FS\_AI4Media | 26.927: **676**26.847: **669**TP: **548** |
| 15.4 | FS\_Beyond2D | 26.956: **680**PD: **719**evaPD: **720**TP: **682** |
| 15.5 | FS\_ARSpatial | 26.819: **721**TP: **723** |

Documents marked in **green** were agreed at the VIDEO SWG level.

Documents marked **rfic** are Requested For Immediate Consideration

Special thanks to:

* The VIDEO SWG delegates for their outstanding work achieved during this meeting.
* Thomas Stockhammer (Qualcomm) ,Eric Yip (Samsung) and Emmanuel Thomas (Xiaomi) for the detailed minutes.

## 9.1 Opening of the session, registration of documents

### 9.1.1 Opening of the session

Mr. Gilles Teniou (Tencent, Chairman of Video SWG) opens the Video SWG on April 25, 2025 at 16:45 CEST.

E-mail discussions started on April 11, 2025 at 9am CEST.

Thomas Stockhammer (Qualcomm), Mary-Luc Champel (Xiaomi) and Rufael Mekuria (Huawei) are assigned as scribes.

The minutes are shared [Video SWG Minutes SA4#131-bis-e](https://docs.google.com/document/d/1urZth4wHxqUOclLZFLi_qjrODGw-KKVuUeSygJSmNs4/edit?usp=sharing).

All e-mail discussions during the meeting can be tracked here:

* <https://list.etsi.org/scripts/wa.exe?A1=ind2504B&L=3GPP_TSG_SA_WG4_VIDEO>
* <https://list.etsi.org/scripts/wa.exe?A1=ind2504C&L=3GPP_TSG_SA_WG4_VIDEO>

A4 Schedule: [S4-250614](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250614.zip)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Start times** | **Friday April 11** |  | **Monday April 14** |  | **Tuesday April 15** |  | **Wednesday April 16** |  | **Thursday April 17** |
| CEST |  |  |  |  |  |  |  |   |   |
| 15:00:00 | Opening Plenary Agenda Item 1-6 |   | MBS SWG (Maintenance, AMD\_PRO-MED) | RTC SWG (TBD) |   | Video SWG(FS\_AI4Media, FS\_ARSpatial) | Audio SWG (TBD) |   | MBS SWG (Washup) | Audio SWG (ISAR) |   | Closing Plenary Agenda Item 11-22 (closes at 1800 CEST latest) |
| 15:30:00 |   |   |   |   |
| 16:00:00 |   |   |   |   |
| 16:30:00 |   | Video SWG(VOPS, FS\_Beyond2D, Maintenance) | Audio SWG (TBD) |   | MBS SWG (AMD\_PRO-MED, FS\_MeMe) | RTC SWG (TBD) |   | Video SWG (Washup) | RTC SWG (Washup) |   |
| 17:00:00 |   |   |   |   |
| 17:30:00 |   |   |   |   |

The agenda and the registration of documents are approved.

### 9.1.2 Registration of documents

|  |  |  |  |
| --- | --- | --- | --- |
| TDoc | Title | Source | Agenda item |
| [S4-250445](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250445.zip) | pCR on include 3D background models in annex C | InterDigital Belgium. LLC | 9.7 |
| [S4-250446](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250446.zip) | pCR on update of V-PCC testing | InterDigital Belgium. LLC | 9.7 |
| [S4-250447](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250447.zip) | pCR on inclusion of dynamic mesh and V-DMC in scenario 2 | InterDigital Belgium. LLC | 9.7 |
| [S4-250448](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250448.zip) | pCR on update of information for dense dynamic point cloud representation format | InterDigital Belgium. LLC | 9.7 |
| [S4-250454](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250454.zip) | Editorial corrections and increasing readability of text in Figures | Nokia | 9.9 |
| [S4-250470](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250470.zip) | [VOPS] Updates to Capabilities and Operation Points | Qualcomm Germany, Tencent | 9.5 |
| [S4-250471](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250471.zip) | [VOPS] Updates to System Integration | Qualcomm Germany, Tencent | 9.5 |
| [S4-250472](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250472.zip) | [VOPS] Updated Terminology | Qualcomm Germany, Tencent | 9.5 |
| [S4-250473](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250473.zip) | [VOPS] Proposed Way Forward on Conformance | Qualcomm Germany, Tencent, Apple, Xiaomi | 9.5 |
| [S4-250476](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250476.zip) | [VOPS] On Multiview profiles | Apple Inc. | 9.5 |
| [S4-250477](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250477.zip) | [VOPS] On random access | Apple Inc. | 9.5 |
| [S4-250478](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250478.zip) | [VOPS] Frame packed stereoscopic resolutions | Apple Inc. | 9.5 |
| [S4-250479](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250479.zip) | [VOPS] General updates | Apple Inc. | 9.5 |
| [S4-250480](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250480.zip) | [VOPS] Updates on CMAF ammendment | Apple Inc. | 9.5 |
| [S4-250481](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250481.zip) | [VOPS] Updates for MV-HEVC | Apple Inc., [Qualcomm Incorporated] | 9.5 |
| S4-250482 | [VOPS] Work Plan | Apple Inc. | 9.5 |
| [S4-250504](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250504.zip) | Pseudo-CR on review of the AI4M TR 26.927 | InterDigital, Europe, Ltd. | 9.6 |
| [S4-250524](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250524.zip) | [FS\_ARSpatial] TR 26.819 v0.3.1 | InterDigital Canada | 9.8 |
| [S4-250525](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250525.zip) | [FS\_ARSpatial] pCR on Diminished Reality Spatial Computing Functions | InterDigital Canada | 9.8 |
| [S4-250526](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250526.zip) | [FS\_ARSpatial] Proposed Updated Time and Work Plan v0.3.1 | InterDigital Canada | 9.8 |
| [S4-250527](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250527.zip) | [FS\_ARSpatial] pCR on Proposed Conclusions | InterDigital Canada | 9.8 |
| [S4-250533](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250533.zip) | [FS\_ARSpatial] pCR on IMS Mapping | InterDigital Canada | 9.8 |
| [S4-250536](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250536.zip) | Evaluation of multi-view plus depth with preliminary results | Philips, Nokia, InterDigital | 9.7 |
| [S4-250546](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250546.zip) | [FS\_AI4Media] Agentic AI | QUALCOMM JAPAN LLC. | 9.6 |
| [S4-250548](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250548.zip) | [FS\_AI4Media] Time and Work Plan | Samsung R&D Institute India | 9.6 |
| [S4-250550](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250550.zip) | [FS\_AI4Media] pCR on conclusions (TR 26.847) | Samsung R&D Institute India | 9.6 |
| [S4-250551](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250551.zip) | [FS\_AI4Media] pCR and discussion on conclusions (TR 26.927) | Samsung R&D Institute India | 9.6 |
| [S4-250552](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250552.zip) | [FS\_AI4Media] pCR editorial updates on TR 26.847 | Samsung R&D Institute India | 9.6 |
| [S4-250568](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250568.zip) | [FS\_Beyond2D] Objective Metric for Generated Stereoscopic Video  | China Mobile International Ltd | 9.7 |
| [S4-250569](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250569.zip) | [FS\_Beyond2D] Test Sequences for UE-to-UE Stereoscopic Video Live Streaming  | China Mobile International Ltd | 9.7 |
| [S4-250570](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250570.zip) | [FS\_Beyond2D] pCR on Annex C.2.12 – Test Sequences for Dynamic Mesh | China Mobile International Ltd | 9.7 |
| [S4-250571](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250571.zip) | [FS\_ARSpatial] Extended Spatial Computing general architecture for Edge Computing | Nokia  | 9.8 |
| [S4-250572](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250572.zip) | [FS\_ARSpatial] Pre-requisites on 5G System | Nokia  | 9.8 |
| [S4-250586](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250586.zip) | LS to SC29 WG1 on JPEG AI Standard and TR 26.927 | Huawei, Hisilicon | 9.6 |
| [S4-250596](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250596.zip) | [FS\_Beyond2D] Clause 4.1 Introduction to Beyond 2D Video Formats | China Mobile International Ltd | 9.7 |
| [S4-250598](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250598.zip) | [FS\_Beyond2D] Permanent document on B2D format evaluation | Tencent | 9.7 |
| [S4-250601](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250601.zip) | [VOPS] Pseudo-CR on Video Decoder API and System Integration updates | Xiaomi Technology (Polska) sp. | 9.5 |
| [S4-250602](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250602.zip) | [VOPS] On 3GPP video operation points for monochrome sequence | Beijing Xiaomi Mobile Software | 9.5 |
| [S4-250603](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250603.zip) | [FS\_AI4Media] Pseudo-CR on conclusion related to media data | Xiaomi Technology (Polska) sp. | 9.6 |
| [S4-250624](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250624.zip) | Draft TR 26.927 v1.0.1 | Tencent (Editor) | 9.6 |
| [S4-250640](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250640.zip) | [VOPS] Updates to Capabilities and Operation Points | Qualcomm Germany, Tencent | 9.5 |
| [S4-250649](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250649.zip) | [FS\_AI4Media] pCR and discussion on conclusions (TR 26.927) | Samsung R&D Institute India | 9.6 |
| [S4-250650](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250650.zip) | [FS\_AI4Media] pCR on conclusions (TR 26.847) | Samsung R&D Institute India | 9.6 |
| [S4-250656](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250656.zip) | [FS\_ARSpatial] pCR on Diminished Reality Spatial Computing Functions | InterDigital Canada | 9.8 |
| [S4-250657](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250657.zip) | [FS\_ARSpatial] pCR on Proposed Conclusions | InterDigital Canada | 9.8 |
| [S4-250669](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250669.zip) | [FS\_AI4Media] Draft TR 26.847 v1.1.0 | Samsung R&D Institute India | 9.6 |
| S4-250676 | Draft TR 26.927 v1.1.0 | Tencent (Editor) | 9.6 |
| S4-250677 | [FS\_Beyond2D] Objective Metric for Generated Stereoscopic Video  | China Mobile International Ltd | 9.7 |
| S4-250678 | [FS\_Beyond2D] Test Sequences for UE-to-UE Stereoscopic Video Live Streaming  | China Mobile International Ltd | 9.7 |
| [S4-250679](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250679.zip) | [VOPS] On random access | Apple Inc. | 9.5 |
| S4-250680 | [FS\_Beyond2D] TR 26.956 V0.4.0 | China Mobile International Ltd | 9.7 |
| S4-250681 | [FS\_Beyond2D] Workplan V0.9 | China Mobile International Ltd | 9.7 |
| S4-250682 | [FS\_Beyond2D] Workplan V0.9 | China Mobile International Ltd | 9.7 |
| S4-250704 | [VOPS] Updated Terminology | Qualcomm Germany, Tencent | 9.5 |
| [S4-250706](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250706.zip) | [VOPS] Frame packed stereoscopic resolutions | Apple Inc. | 9.5 |
| S4-250707 | [VOPS] Updated Terminology | Qualcomm Germany, Tencent | 9.5 |
| S4-250709 | [VOPS] Proposed Way Forward on Conformance | Qualcomm Germany, Tencent, Apple, Xiaomi | 9.5 |
| S4-250710 | TS26.265v1.1.0 - Media Delivery: Video Capabilities and Operating Points | Qualcomm Technologies Int | 9.5 |
| S4-250711 | [FS\_AI4Media] Pseudo-CR on conclusion related to media data | Xiaomi Technology (Polska) sp. | 9.6 |
| [S4-250714](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250714.zip) | Evaluation of multi-view plus depth with preliminary results | Philips, Nokia, InterDigital | 9.7 |
| S4-250717 | [FS\_Beyond2D] pCR on Annex C.2.12 – Test Sequences for Dynamic Mesh | China Mobile International Ltd | 9.7 |
| S4-250718 | [FS\_Beyond2D] Clause 4.1 Introduction to Beyond 2D Video Formats | China Mobile International Ltd | 9.7 |
| S4-250719 | [FS\_Beyond2D]Permenant Document v0.0.8 | China Mobile International Ltd | 9.7 |
| S4-250720 | [FS\_Beyond2D] Permanent document on B2D format evaluation | Tencent | 9.7 |
| [S4-250727](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250727.zip) | pCR on include 3D background models in annex C | InterDigital Belgium. LLC | 9.7 |
| S4-250729 | pCR on inclusion of dynamic mesh and V-DMC in scenario 2 | InterDigital Belgium. LLC | 9.7 |
| S4-250730 | pCR on inclusion of dynamic mesh and V-DMC in scenario 2 | InterDigital Belgium. LLC | 9.7 |
| [S4-250731](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250731.zip) | pCR on update of information for dense dynamic point cloud representation format | InterDigital Belgium. LLC | 9.7 |
| [S4-250732](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250732.zip) | pCR on update of V-PCC testing | InterDigital Belgium. LLC | 9.7 |

## 9.2 IPR and antitrust reminder

The chairman read the antitrust and IPR clause.

*"The attention of the delegates to the meeting of this SWG was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.*

*The delegates were asked to take note that they were thereby invited:*

*to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.*

*to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms "*

*"The attention of the delegates to the meeting was drawn to the fact that 3GPP activities were subject to all applicable antitrust and competition laws and that compliance with said laws was therefore required by any participant of the meeting, including the Chair and Vice-Chairs and were invited to seek any clarification needed with their legal counsel. The leadership would conduct the present meeting with impartiality and in the interests of 3GPP. Delegates were reminded that timely submission of work items in advance of TSG/WG/SWG meetings was important to allow for full and fair consideration of such matters."*

## 9.3 Reports/Liaisons from other groups/meetings

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| --- | --- |
| TDoc | [S4-250619](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250619.zip) |
| Title | Liaison statement from SC 29/WG 2 to ARIB/ DIBEG, ATSC, SBTVD, DVB, Khronos, W3C, MSF, 3GPP SA4/SA1, GSMA, DiCOM, CTA, SMPTE, SCTE on extended market and practical considerations for Next Generation Video Coding |
| Source | ISO/IEC JTC 1/SC 29/WG 2 |
| Contact | Andrijana Brekalo |
| Agenda Item | 9.3 |
| E-mail Discussion | [LS, 600&619, 16th April 1200CEST] from SC29/WG2 on Next Generation Video Codec Market Needs + response[Gilles Teniou on Fri, 11 Apr 2025 15:41:09 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2b2027a.2504b)[Thomas Stockhammer on Fri, 11 Apr 2025 15:56:48 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e5094d41.2504b)[Gilles Teniou on Mon, 14 Apr 2025 09:04:06 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ce7a79fd.2504b)[Rufael Mekuria on Mon, 14 Apr 2025 09:10:49 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2139fa69.2504b)[Gilles Teniou on Wed, 16 Apr 2025 12:44:33 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;da4fd514.2504c)[Rufael Mekuria on Wed, 16 Apr 2025 14:27:39 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9666a5af.2504c) |
| Revisions | No revisions available. |
| Minutes | April 16, 2025:* We discussed whether we want to note or postpone the document
* Thomas: It would be good to understand the expectations.
* It was finally decided to postpone, we may collect common responses.
 |
| Disposition | Postpone and collect potential input. |
| Status | postponed |

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| --- | --- |
| TDoc | [S4-250600](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250600.zip) |
| Title | LS On Low Latency and Error Prone Media Transmission |
| Source | HUAWEI TECH. GmbH |
| Contact | Rufail Mekuria |
| Agenda Item | 9.3 |
| E-mail Discussion | [LS, 600&619, 16th April 1200CEST] from SC29/WG2 on Next Generation Video Codec Market Needs + response[Gilles Teniou on Fri, 11 Apr 2025 15:41:09 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2b2027a.2504b)[Thomas Stockhammer on Fri, 11 Apr 2025 15:56:48 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e5094d41.2504b)[Gilles Teniou on Mon, 14 Apr 2025 09:04:06 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ce7a79fd.2504b)[Rufael Mekuria on Mon, 14 Apr 2025 09:10:49 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2139fa69.2504b)[Gilles Teniou on Wed, 16 Apr 2025 12:44:33 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;da4fd514.2504c)[Rufael Mekuria on Wed, 16 Apr 2025 14:27:39 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9666a5af.2504c) |
| Revisions | No revisions available. |
| Minutes | We may revisit at the next meeting |
| Disposition | Noted, no presenter available |
| Status | noted |

## 9.4 CRs to completed features in Release 18 and earlier

No documents

## 9.5 VOPS (Video Operating Points - Harmonization and Stereo MV-HEVC)

*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’*

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| --- | --- |
| TDoc | [S4-250470](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250470.zip) |
| Title | [VOPS] Updates to Capabilities and Operation Points |
| Source | Qualcomm Germany, Tencent |
| Contact | Thomas Stockhammer |
| Agenda Item | 9.5 |
| E-mail Discussion | [VOPS, 470, 14th April 1200CEST] Updates to Capabilities and Operation Points[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ade64a6.2504b)[Emmanuel Thomas on Mon, 14 Apr 2025 09:05:49 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6c07442b.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 11:18:57 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;edc7fc8b.2504b)[Emmanuel Thomas on Mon, 14 Apr 2025 12:46:35 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;90147791.2504b)[Thomas Stockhammer on Wed, 16 Apr 2025 12:40:05 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e31952a1.2504c)[Gilles Teniou on Wed, 16 Apr 2025 13:00:08 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;894bb3ca.2504c)[Thomas Stockhammer on Wed, 16 Apr 2025 13:10:55 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ab4ff9d3.2504c) |
| Revisions | [S4-250470r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250470r01.docx)[S4-250470r01\_XM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250470r01_XM.docx)[S4-250470r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250470r02.docx) |
| Minutes | April 14, 2025:* Gilles summarizes the e-mail discussion.
* Emmanuel : advise not using the term “3D” but rather use “stereoscopic”. Addition of comments on aspect ratio.
	+ Thomas : OK
 |
| Disposition | Agreement after revision [S4-250470r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250470r02.docx) |
| Status | **revised to S4-250640** |

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| TDoc | [S4-250640](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250640.zip) |
| Title | [VOPS] Updates to Capabilities and Operation Points |
| Source | Qualcomm Germany, Tencent |
| Contact | Thomas Stockhammer |
| Agenda Item | 9.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250471](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250471.zip) |
| Title | [VOPS] Updates to System Integration |
| Source | Qualcomm Germany, Tencent |
| Contact | Thomas Stockhammer |
| Agenda Item | 9.5 |
| E-mail Discussion | [VOPS, 471, 14th April 1200CEST] Updates to System Integration[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c01e6603.2504b)[Emmanuel Thomas on Mon, 14 Apr 2025 09:10:45 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;861fb324.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 11:27:33 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e61ccd6a.2504b)[Emmanuel Thomas on Mon, 14 Apr 2025 12:02:42 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;50af7da1.2504b)[Thomas Stockhammer on Wed, 16 Apr 2025 12:47:35 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;96abdb33.2504c) |
| Revisions | [S4-250471r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250471r01.docx)[S4-250471r01\_XM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250471r01_XM.docx)[S4-250471r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250471r02.docx) |
| Minutes |  |
| Disposition | [S4-250471r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250471r02.docx) is agreed, will be revised to 704. |
| Status |  **revised to S4-250704** |

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| TDoc | S4-250704 |
| Title | [VOPS] Updated Terminology |
| Source | Qualcomm Germany, Tencent |
| Contact | Thomas Stockhammer |
| Agenda Item | 9.5 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition | [S4-250471r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250471r02.docx) is agreed, will be revised to 704. |
| Status | agreed |

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| TDoc | [S4-250472](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250472.zip) |
| Title | [VOPS] Updated Terminology |
| Source | Qualcomm Germany, Tencent |
| Contact | Thomas Stockhammer |
| Agenda Item | 9.5 |
| E-mail Discussion | [VOPS, 472, 14th April 1200CEST] Updated Terminology[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e00db9ea.2504b)[Waqar Zia on Mon, 14 Apr 2025 10:14:34 +0200](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;cc24d7ba.2504b)[Ahmed Hamza on Mon, 14 Apr 2025 08:25:55 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;89ded7bf.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 12:03:51 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1c811a73.2504b)[Thomas Stockhammer on Wed, 16 Apr 2025 12:51:08 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;48393755.2504c) |
| Revisions | [S4-250472-26265-pcr-Terminology-r03-GT\_IDCC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250472-26265-pcr-Terminology-r03-GT_IDCC.docx)[S4-250472r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250472r01.docx)[S4-250472r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250472r02.docx) |
| Minutes | April 14, 2025:* Gilles summarizes the e-mail discussion.
* Ahmed : definition of bitstream : which metadata is mentioned here?
	+ Thomas : The different CVS in the same bitstream shares same “common” metadata
* Alexis : Bitstream definition may not be correct. What about layers? What about CRAs?
	+ Thomas : Should progress comments in email discussions
* Emmanuel : 601 has similar definitions. We should do all of this together.
	+ Thomas : we should organize an offline on this matter.

April 16, 2025:* Thomas presents [S4-250472r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250472r02.docx)
* No comments
 |
| Disposition | [S4-250472r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250472r02.docx) is agreed, will be revised to 707. |
| Status | **revised to S4-250707** |

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| TDoc | S4-250707 |
| Title | [VOPS] Updated Terminology |
| Source | Qualcomm Germany, Tencent |
| Contact | Thomas Stockhammer |
| Agenda Item | 9.5 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250473](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250473.zip) |
| Title | [VOPS] Proposed Way Forward on Conformance |
| Source | Qualcomm Germany, Tencent, Apple, Xiaomi |
| Contact | Thomas Stockhammer |
| Agenda Item | 9.5 |
| E-mail Discussion | [VOPS, 473, 14th April 1200CEST] Proposed Way Forward on Conformance[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4c5228a7.2504b)[Waqar Zia on Mon, 14 Apr 2025 09:24:36 +0200](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a1a837d1.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 08:14:53 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9a8e152c.2504b)[Rufael Mekuria on Mon, 14 Apr 2025 09:25:31 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4dc3f952.2504b)[Emmanuel Thomas on Mon, 14 Apr 2025 09:38:13 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c00c8ed8.2504b)[Rufael Mekuria on Mon, 14 Apr 2025 11:31:04 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b2f11e2c.2504b)[Emmanuel Thomas on Mon, 14 Apr 2025 11:53:06 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;eb929dea.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 12:21:21 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;99e860f9.2504b) |
| Revisions | [S4-250473-26265-conformance-r03\_WZ.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250473-26265-conformance-r03_WZ.docx)[S4-250473r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250473r01.docx) |
| Minutes | April 16, 2025:* Thomas presents - no comments
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| Disposition | Revised to 709 and agreed |
| Status | **revised to S4-250709** |

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| TDoc | S4-250709 |
| Title | [VOPS] Proposed Way Forward on Conformance |
| Source | Qualcomm Germany, Tencent, Apple, Xiaomi |
| Contact | Thomas Stockhammer |
| Agenda Item | 9.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250476](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250476.zip) |
| Title | [VOPS] On Multiview profiles |
| Source | Apple Inc. |
| Contact | Waqar Zia |
| Agenda Item | 9.5 |
| E-mail Discussion | [VOPS, 476, 14th April 1200CEST] Multiview profiles[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5d4581bd.2504b)[Thomas Stockhammer on Sun, 13 Apr 2025 15:23:14 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d9972d57.2504b)[Madhukar Budagavi on Mon, 14 Apr 2025 03:35:49 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bde4ab0a.2504b)[Alexis Tourapis on Sun, 13 Apr 2025 20:51:06 -0700](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;391ce873.2504b)[Waqar Zia on Mon, 14 Apr 2025 11:46:05 +0200](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;323964fa.2504b)[Waqar Zia on Wed, 16 Apr 2025 10:31:17 +0200](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bc2b2148.2504c)[Alexis Tourapis on Wed, 16 Apr 2025 06:15:24 -0700](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e7a25179.2504c)[Madhukar Budagavi on Wed, 16 Apr 2025 14:52:50 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;236fa22a.2504c)[Alexandros Tourapis on Wed, 16 Apr 2025 10:16:07 -0700](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7e4e8ae4.2504c) |
| Revisions | No revisions available. |
| Minutes | April 14, 2025:* Gilles summarizes the e-mail discussion.

Offline Discussion April 15* We add a clear statement that the removal of brackets depends on getting conformance streams waqar.zia@gmail.com
* We collect conformance streams [here](https://docs.google.com/spreadsheets/d/14cntgkW6Bb3oISo8KjcvXfrVcKoICahLGrAvK8J-jlw/edit?usp=sharing), this is a starting point
* We need to further restrict the bitstream for MV-HEVC + Stereo, see comments in file (alexismt@gmail.com will take care)
* We can likely create a revision addressing issue

April 16, 2025:* Waqar explains the situation where we stand
* Madhukar explains that the discussion that happened on e-mail
* Thomas - can we implement the offline discussion we had yesterday as editor’s note
 |
| Disposition | Noted, but we agree that the editor implements the editor’s notes from the offline. |
| Status | noted |

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| TDoc | [S4-250477](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250477.zip) |
| Title | [VOPS] On random access |
| Source | Apple Inc. |
| Contact | Waqar Zia |
| Agenda Item | 9.5 |
| E-mail Discussion | [VOPS, 477, 14th April 1200CEST] Random access[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ef39c7c6.2504b)[Thomas Stockhammer on Sun, 13 Apr 2025 15:31:42 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9da7943.2504b) |
| Revisions | [S4-250477\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250477_QCOM.docx) |
| Minutes | April 14, 2025:* Gilles summarizes the e-mail discussion.
 |
| Disposition | Agreement after revision |
| Status | **revised to S4-250679** |

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| TDoc | [S4-250679](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250679.zip) |
| Title | [VOPS] On random access |
| Source | Apple Inc. |
| Contact | Waqar Zia |
| Agenda Item | 9.5 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250478](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250478.zip) |
| Title | [VOPS] Frame packed stereoscopic resolutions |
| Source | Apple Inc. |
| Contact | Waqar Zia |
| Agenda Item | 9.5 |
| E-mail Discussion | [VOPS, 478, 14th April 1200CEST] Frame packed stereoscopic resolutions[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1701303a.2504b)[Thomas Stockhammer on Sun, 13 Apr 2025 15:35:46 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b4271af1.2504b)[Waqar Zia on Mon, 14 Apr 2025 11:46:48 +0200](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;71bf5979.2504b)[Waqar Zia on Wed, 16 Apr 2025 16:08:40 +0200](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;754c9b60.2504c) |
| Revisions | [S4-250478\_r1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250478_r1.docx) |
| Minutes | April 14, 2025:* Gilles summarizes the e-mail discussion.
* Emmanuel : Use for alpha, depth, texture is confusing. Need to be progressed over email discussion.

Offline April 15, 2025:* We restrict to full resolution only (we add a note that half resolution is excluded from this profile)
* Ok with 5.2 (combined multiview) and 6.0 (stereoscopic frame-packed) for now, but we should explain that this is not increasing the pixels/second, but only done to deal with larger buffers per frame.
* Create a revision to address this (at the minimum add an editor’s note).

April 16, 2025:* Waqar presents r1, no comments, agreed
 |
| Disposition | R1 is agreed, revision is needed. |
| Status | **revised to S4-250706** |

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| TDoc | [S4-250706](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250706.zip) |
| Title | [VOPS] Frame packed stereoscopic resolutions |
| Source | Apple Inc. |
| Contact | Waqar Zia |
| Agenda Item | 9.5 |
| E-mail Discussion | [S4-250478\_r1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250478_r1.docx) is agreed, revision is needed |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250479](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250479.zip) |
| Title | [VOPS] General updates |
| Source | Apple Inc. |
| Contact | Waqar Zia |
| Agenda Item | 9.5 |
| E-mail Discussion | [VOPS, 479, 14th April 1200CEST] General updates[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c4e2bb94.2504b)[Thomas Stockhammer on Sun, 13 Apr 2025 15:39:16 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;95dc732d.2504b)[Emmanuel Thomas on Mon, 14 Apr 2025 09:16:40 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;cf9217df.2504b) |
| Revisions | No revisions available. |
| Minutes | April 14, 2025:* Gilles summarizes the e-mail discussion.

Offline April 15, 2025:* Expect a revision

April 16, 2025: no progress, Waqar suggest to note |
| Disposition | Noted in closing session, expect updates. |
| Status | noted |

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| TDoc | [S4-250480](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250480.zip) |
| Title | [VOPS] Updates on CMAF ammendment |
| Source | Apple Inc. |
| Contact | Waqar Zia |
| Agenda Item | 9.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes | April 16, 2025:* Dimitri is not present in the call to present the contribution
 |
| Disposition |  |
| Status | noted |

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| TDoc | [S4-250481](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250481.zip) |
| Title | [VOPS] Updates for MV-HEVC |
| Source | Apple Inc., [Qualcomm Incorporated] |
| Contact | Waqar Zia |
| Agenda Item | 9.5 |
| E-mail Discussion | [VOPS, 481, 14th April 1200CEST] Updates for MV-HEVC[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a924d3f6.2504b)[Thomas Stockhammer on Sun, 13 Apr 2025 15:44:03 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;76aff124.2504b)[Gilles Teniou on Mon, 14 Apr 2025 10:47:52 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;33ba6857.2504b) |
| Revisions | No revisions available. |
| Minutes | No online discussion |
| Disposition | The document [**S4-250481**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250481.zip) is **endorsed**, meaning agreed as basis for further work. |
| Status | endorsed |

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| TDoc | [S4-250482](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250482.zip) |
| Title | [VOPS] Work Plan |
| Source | Apple Inc. |
| Contact | Waqar Zia |
| Agenda Item | 9.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | [draft S4-250482.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/draft%20S4-250482.docx) |
| Minutes |  |
| Disposition |  |
| Status | Plenary |

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| TDoc | [S4-250601](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250601.zip) |
| Title | [VOPS] Pseudo-CR on Video Decoder API and System Integration updates |
| Source | Xiaomi Technology (Polska) sp. |
| Contact | Emmanuel Thomas |
| Agenda Item | 9.5 |
| E-mail Discussion | [VOPS, 601, 14th April 1200CEST] Video Decoder API and System Integration updates[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9188c7d7.2504b)[Thomas Stockhammer on Sun, 13 Apr 2025 16:00:12 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ceb5389c.2504b)[Waqar Zia on Mon, 14 Apr 2025 10:02:57 +0200](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;730e215c.2504b)[Emmanuel Thomas on Mon, 14 Apr 2025 09:01:55 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ae2982c7.2504b)[Emmanuel Thomas on Wed, 16 Apr 2025 08:05:07 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;887c4edc.2504c)[Emmanuel Thomas on Wed, 16 Apr 2025 15:33:55 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3af7b653.2504c)[Alexandros Tourapis on Wed, 16 Apr 2025 09:20:52 -0700](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9cc25807.2504c)[Emmanuel Thomas on Wed, 16 Apr 2025 16:32:13 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9719fe8.2504c)[Alexandros Tourapis on Wed, 16 Apr 2025 10:28:16 -0700](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9d626123.2504c) |
| Revisions | [S4-250601\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250601_QCOM.docx)[S4-250601r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250601r01.docx) |
| Minutes | Offline April 15, 2025* We reviewed the individual changes and we understand better the intentions now from the author.
* We expect that we can add some of the topics (signals)

April 16, 2025:* Thomas: A bit more time, e-mail agreement?
* Waqar: Comments on Multi-signal representation types
* Gilles: e-mail agreement or noted?
* Emmanuel: prefer an e-mail agreement.
 |
| Disposition | Goes to e-mail agreement |
| Status | Plenary |

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| TDoc | [S4-250602](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250602.zip) |
| Title | [VOPS] On 3GPP video operation points for monochrome sequence |
| Source | Beijing Xiaomi Mobile Software |
| Contact | Emmanouil Potetsianakis |
| Agenda Item | 9.5 |
| E-mail Discussion | [VOPS, 602, 14th April 1200CEST] Operation points for monochrome sequence[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c340f120.2504b)[Kroon, Bart on Fri, 11 Apr 2025 09:16:04 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6380448.2504b)[Emmanouil Potetsianakis on Fri, 11 Apr 2025 15:56:21 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f762f439.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 03:28:51 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;57996288.2504b)[Waqar Zia on Mon, 14 Apr 2025 08:27:59 +0200](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7797b414.2504b)[Emmanouil Potetsianakis on Mon, 14 Apr 2025 10:45:36 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a396d0e8.2504b)[Alexandros Tourapis on Mon, 14 Apr 2025 10:37:22 -0700](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9cb93027.2504b)[Emmanouil Potetsianakis on Tue, 15 Apr 2025 13:14:31 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a8ecba3f.2504c) |
| Revisions | [S4-250602r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250602r01.docx) |
| Minutes | April 14, 2025:* Gilles summarizes the e-mail discussion.
* Waqar : WI description goes against the addition of depth
* Alexis : IT seems premature to add this now. It is strange that monochrome could be added here but not in the multiview
* Thomas : Very confusing addition. What is the actual format?
 |
| Disposition |  |
| Status | noted |

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| TDoc | S4-250710 |
| Title | TS26.265v1.1.0 - Media Delivery: Video Capabilities and Operating Points |
| Source | Qualcomm Technologies Int |
| Contact | Thomas Stockhammer |
| Agenda Item | 9.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | Plenary |

## 9.6 FS\_AI4Media (Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media)

*WID:* [*SP-220328*](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_95E_Electronic_2022_03/Docs/SP-220328.zip) *New SID on Artificial Intelligence (AI) and Machine Learning (ML) for Media*

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| TDoc | [S4-250504](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250504.zip) |
| Title | Pseudo-CR on review of the AI4M TR 26.927 |
| Source | InterDigital, Europe, Ltd. |
| Contact | Gaelle Martin-Cocher |
| Agenda Item | 9.6 |
| E-mail Discussion | Re: [FS\_AI4Media, 504, 15th April 1200CEST] review of the AI4M TR 26.927[Gilles Teniou on Tue, 15 Apr 2025 10:20:20 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;359b0059.2504c) |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250546](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250546.zip) |
| Title | [FS\_AI4Media] Agentic AI |
| Source | QUALCOMM JAPAN LLC. |
| Contact | Imed Bouazizi |
| Agenda Item | 9.6 |
| E-mail Discussion | Re: [FS\_AI4Media, 546, 15th April 1200CEST] Agentic AI[Imed Bouazizi on Tue, 15 Apr 2025 13:04:30 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3c68c4bf.2504c)[Imed Bouazizi on Tue, 15 Apr 2025 13:07:26 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;21be29b4.2504c) |
| Revisions | No revisions available. |
| Minutes | April 15, 2025:* Gilles summarizes the e-mail discussion.
* Imed presents
 |
| Disposition |  |
| Status | noted |

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| TDoc | [S4-250548](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250548.zip) |
| Title | [FS\_AI4Media] Time and Work Plan |
| Source | Samsung R&D Institute India |
| Contact | Eric Yip |
| Agenda Item | 9.6 |
| E-mail Discussion | Re: [FS\_AI4Media, 548, 15th April 1200CEST] Time and Work Plan[Gilles Teniou on Tue, 15 Apr 2025 11:21:19 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a941a5ee.2504c) |
| Revisions | No revisions available. |
| Minutes | April 14, 2025:* Eric presents.
 |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250550](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250550.zip) |
| Title | [FS\_AI4Media] pCR on conclusions (TR 26.847) |
| Source | Samsung R&D Institute India |
| Contact | Eric Yip |
| Agenda Item | 9.6 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | [S4-250550 [FS\_AI4Media] pCR on conclusions TR 26847-IDC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250550%20%5BFS_AI4Media%5D%20pCR%20on%20conclusions%20TR%2026847-IDC.docx)[S4-250550 [FS\_AI4Media] pCR on conclusions TR 26847\_r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250550%20%5BFS_AI4Media%5D%20pCR%20on%20conclusions%20TR%2026847_r01.docx) |
| Minutes | April 15, 2025:* Gilles summarizes the e-mail discussion.
* Minor edits on conclusions and next steps.
* Gaelle : Need to clearly define if future works is evaluation or identification of QoS, covering functional aspects.
* Eric : our goal is to perform evaluations as well in the follow-up study.
* Imed : Preference to focus on evaluation aspects such as identification/understanding of traffic characteristics. Functional aspects should be kept aside from the moment.
 |
| Disposition | Revised and agreed. |
| Status | **revised to S4-250650** |

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| TDoc | [S4-250551](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250551.zip) |
| Title | [FS\_AI4Media] pCR and discussion on conclusions (TR 26.927) |
| Source | Samsung R&D Institute India |
| Contact | Eric Yip |
| Agenda Item | 9.6 |
| E-mail Discussion | Re: [FS\_AI4Media, 551, 15th April 1200CEST] discussion on conclusions (TR 26.927)[Eric Yip on Tue, 15 Apr 2025 13:38:52 +0900](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7d20ee81.2504c) |
| Revisions | [S4-250551 [FS\_AI4Media] pCR and discussion on conclusions TR 26927-IDC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250551%20%5BFS_AI4Media%5D%20pCR%20and%20discussion%20on%20conclusions%20TR%2026927-IDC.docx)[S4-250551 [FS\_AI4Media] pCR and discussion on conclusions TR 26927\_r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250551%20%5BFS_AI4Media%5D%20pCR%20and%20discussion%20on%20conclusions%20TR%2026927_r01.docx)[S4-250551 [FS\_AI4Media] pCR and discussion on conclusions TR 26927\_r01\_Nok.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250551%20%5BFS_AI4Media%5D%20pCR%20and%20discussion%20on%20conclusions%20TR%2026927_r01_Nok.docx)[S4-250551 [FS\_AI4Media] pCR and discussion on conclusions TR 26927\_r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250551%20%5BFS_AI4Media%5D%20pCR%20and%20discussion%20on%20conclusions%20TR%2026927_r02.docx)[S4-250551 [FS\_AI4Media] pCR and discussion on conclusions TR 26927\_r02-GT.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250551%20%5BFS_AI4Media%5D%20pCR%20and%20discussion%20on%20conclusions%20TR%2026927_r02-GT.docx) |
| Minutes | April 15, 2025:* Gilles summarizes the e-mail discussion.
* Eric presents r02.
* Gaëlle : Proposes to add more references to clauses in section about normative work in Rel20
* Gaëlle : “QoS identifiers” or “metrics” ?
	+ Imed : they are different. 1st is for allocation, 2nd for measurement
* Imed : There is mention of a NEW study. Is the intention to start a new one or continue this one.
	+ Eric : intention is to close current study and start a new one.
	+ Gilles : if scope is different/extended, a new study would be needed. If current study scope is not achieved, it should be continued.
* Gilles : future work should be agnostic to 3GPP WGs, no mention of SA2 for instance. Replace it with “architecture work”. Collaboration with SA2 is not an objective but a process.
* Imed : We should not study any architecture aspects and wait for SA2 conclusions.
 |
| Disposition |  |
| Status | **revised to S4-250649** |

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| TDoc | [S4-250552](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250552.zip) |
| Title | [FS\_AI4Media] pCR editorial updates on TR 26.847 |
| Source | Samsung R&D Institute India |
| Contact | Eric Yip |
| Agenda Item | 9.6 |
| E-mail Discussion | Re: [FS\_AI4Media, 552, 15th April 1200CEST] editorial updates on TR 26.847[Gilles Teniou on Tue, 15 Apr 2025 10:37:59 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ea36e528.2504c) |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250586](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250586.zip) |
| Title | LS to SC29 WG1 on JPEG AI Standard and TR 26.927 |
| Source | Huawei, Hisilicon |
| Contact | Rufail Mekuria |
| Agenda Item | 9.6 |
| E-mail Discussion | Re: [FS\_AI4Media, 586, 15th April 1200CEST] LS to SC29 WG1 on JPEG AI Standard and TR 26.927[Rufael Mekuria on Tue, 15 Apr 2025 08:27:55 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;68b6691f.2504c) |
| Revisions | [S4-250586\_NOK.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250586_NOK.docx)[S4-250586\_v1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250586_v1.docx)[S4-250586\_v2.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250586_v2.docx)[S4-250586\_v3.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250586_v3.docx) |
| Minutes | April 15, 2025:* Gilles summarizes the e-mail discussion.
* Gilles : rapporteur should be the contact name in the LS
* Thomas : Why do we need to send that LS ? Are we sending an LS to SDOs whenever we reference one of their technologies ? No. We should be careful not to create precedence here.
* Rufael : the purpose is also to give new use cases to JPEG community.
* Gilles : We can invite JPEG to review our TR later and provide their feedback about applicability to JPEG AI. Make it an actionable LS.
* Serhan : current LS is indeed asking for JPEG’s feedback.
* Gilles : we should be more explicit on the action we ask JPEG to take if we want an answer.

April 16, 2025:* New revision (v2)
* Thomas : It looks similar to v1. It only says it is a response.
 |
| Disposition | Park and revise action we expect JPEG to take |
| Status | Plenary |

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| TDoc | [S4-250603](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250603.zip) |
| Title | [FS\_AI4Media] Pseudo-CR on conclusion related to media data |
| Source | Xiaomi Technology (Polska) sp. |
| Contact | Emmanuel Thomas |
| Agenda Item | 9.6 |
| E-mail Discussion | Re: [FS\_AI4Media, 603, 15th April 1200CEST] conclusion related to media data[Rufael Mekuria on Tue, 15 Apr 2025 08:02:51 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;69696073.2504c)[Emmanuel Thomas on Tue, 15 Apr 2025 08:45:12 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;974d5a99.2504c)[Gaëlle Martin-Cocher on Tue, 15 Apr 2025 12:32:29 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a2dd15c8.2504c)[Emmanuel Thomas on Wed, 16 Apr 2025 08:31:31 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f215e742.2504c)[Emmanuel Thomas on Wed, 16 Apr 2025 13:14:17 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b7ecb1b3.2504c) |
| Revisions | [S4-250603r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250603r01.docx)[S4-250603r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250603r02.docx)[S4-250603r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250603r03.docx)[S4-250603r04.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250603r04.docx) |
| Minutes | April 15, 2025:* Gilles summarizes the e-mail discussion.
* Emmanuel presents r02.
* Gaelle : There should be a new study
	+ If media is usual, we don’t need anything new
	+ for new type of media, it should not belong here.
* Emmanuel : not important wether or not it is new SID. We see different use cases or needs when the UE is taking care of the inference.
* Gaelle : Would formats and interoperability gap would be different on the UE ?
* Gaelle : interesting topic that should deserve a new scope / new study.
* Gilles : if there is no common work with the initial scope of this study then a new study would be needed.
* Imed : Pre-requisite for next step is to identify QoS aspects. Current study is not completed and we still have the opportunity to add this addition in the scope now.

April 16, 2025:* Emmanuel presents latest revision (r04).
* Gaelle : OK with r04 revision
 |
| Disposition | Revised and agreed |
| Status | **revised to S4-250711** |

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| TDoc | S4-250711 |
| Title | [FS\_AI4Media] Pseudo-CR on conclusion related to media data |
| Source | Xiaomi Technology (Polska) sp. |
| Contact | Emmanuel Thomas |
| Agenda Item | 9.6 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250624](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250624.zip) |
| Title | Draft TR 26.927 v1.0.1 |
| Source | Tencent (Editor) |
| Contact | Gilles Teniou |
| Agenda Item | 9.6 |
| E-mail Discussion | Re: [FS\_AI4Media, 624, 15th April 1200CEST] Draft TR 26.927 v1.0.1[Gilles Teniou on Tue, 15 Apr 2025 10:10:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3dfe6d9.2504c) |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250649](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250649.zip) |
| Title | [FS\_AI4Media] pCR and discussion on conclusions (TR 26.927) |
| Source | Samsung R&D Institute India |
| Contact | Eric Yip |
| Agenda Item | 9.6 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | Plenary |

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| TDoc | [S4-250650](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250650.zip) |
| Title | [FS\_AI4Media] pCR on conclusions (TR 26.847) |
| Source | Samsung R&D Institute India |
| Contact | Eric Yip |
| Agenda Item | 9.6 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | Plenary |

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| TDoc | [S4-250669](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250669.zip) |
| Title | [FS\_AI4Media] Draft TR 26.847 v1.1.0 |
| Source | Samsung R&D Institute India |
| Contact | Eric Yip |
| Agenda Item | 9.6 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes | April 16, 2025:* Eric presents.
 |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250676](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250676.zip) |
| Title | Draft TR 26.927 v1.1.0 |
| Source | Tencent (Editor) |
| Contact | Gilles Teniou |
| Agenda Item | 9.6 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition | Go to Plenary |
| Status | Plenary |

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## 9.7 FS\_Beyond2D (Study on Beyond 2D Video)

*WID:* [*SP-240479*](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_103_Maastricht_2024-03/Docs/SP-240479.zip) *New SID on Feasibility Study on Beyond 2D Video*

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| TDoc | [S4-250445](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250445.zip) |
| Title | pCR on include 3D background models in annex C |
| Source | InterDigital Belgium. LLC |
| Contact | Ralf Schaefer |
| Agenda Item | 9.7 |
| E-mail Discussion | [FS\_Beyond2D, 445, 14th April 1200CEST] 3D background models in annex C[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ff5b345d.2504b)[Xu Jiayi on Mon, 14 Apr 2025 11:13:58 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7e82c8c.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 04:18:02 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;949f6e1d.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 08:02:14 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8cfbb09.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 08:07:51 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c8fab5b8.2504b)[Xu Jiayi on Mon, 14 Apr 2025 21:26:40 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9a618072.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 13:40:46 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;91726b0b.2504b)[Ralf Schaefer on Tue, 15 Apr 2025 16:06:09 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e62a02c.2504c) |
| Revisions | [S4-250445\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250445_QCOM.docx)[S4-250445r1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250445r1.docx)[S4-250445r2.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250445r2.docx) |
| Minutes | April 14, 2025:* Gilles summarizes the e-mail discussion. Asks if there is a revision.
* Ralf explains the purpose of the document aligning on editorial issues also aligning on that with CMCC
* Jiayi:
	+ My concern is that this is not relevant for the test sequence, we could merge with the test sequences
* Thomas:
	+ wonders about the relation to the codec and needs a coordination system, sees additional complications
* Ralf:
	+ The idea is to obtain video’s for the background and this can result in better quality evaluation in different services, in this content the background can be treated differently.
* Gilles
	+ Different formats for foreground/background
* Ralf
	+ It is an addition to add different background or neutral background is the default

April 16, 2025:* Ralf summarizes the updates
 |
| Disposition | April 14, 2025:* Parked for further e-mail discussion

April 16, 2025:* Revised an agreed
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| Status | **revised to S4-250727** |

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| TDoc | [S4-250727](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250727.zip) |
| Title | pCR on include 3D background models in annex C |
| Source | InterDigital Belgium. LLC |
| Contact | Ralf Schaefer |
| Agenda Item | 9.7 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250446](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250446.zip) |
| Title | pCR on update of V-PCC testing |
| Source | InterDigital Belgium. LLC |
| Contact | Ralf Schaefer |
| Agenda Item | 9.7 |
| E-mail Discussion | [FS\_Beyond2D, 446, 14th April 1200CEST] update of V-PCC testing[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ba08ab77.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 04:29:32 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a9d264bc.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 08:30:59 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5ea74bbe.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 08:32:34 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;46a9188e.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 08:40:24 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;16fe0a4c.2504b) |
| Revisions | [S4-250446r1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250446r1.docx) |
| Minutes | April 16, 2025:* Thomas : we need to compare codecs, not encoders.
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| Disposition | Revised and agreed |
| Status | **revised to S4-250732** |

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| TDoc | [S4-250732](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250732.zip) |
| Title | pCR on update of V-PCC testing |
| Source | InterDigital Belgium. LLC |
| Contact | Ralf Schaefer |
| Agenda Item | 9.7 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250447](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250447.zip) |
| Title | pCR on inclusion of dynamic mesh and V-DMC in scenario 2 |
| Source | InterDigital Belgium. LLC |
| Contact | Ralf Schaefer |
| Agenda Item | 9.7 |
| E-mail Discussion | [FS\_Beyond2D, 447, 14th April 1200CEST] inclusion of dynamic mesh and V-DMC in scenario 2[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5b07418.2504b)[Xu Jiayi on Mon, 14 Apr 2025 10:44:15 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e2f3a801.2504b)[Serhan Guel (Nokia) on Mon, 14 Apr 2025 06:50:45 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8dd402be.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 08:10:39 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4e80a40c.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 09:27:13 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b0e7527d.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 10:01:14 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8b53ba11.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 12:23:26 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ff7a0e8c.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 20:53:56 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2fa38ef2.2504b)[Rufael Mekuria on Tue, 15 Apr 2025 08:22:04 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fa76a95c.2504c)[Ralf Schaefer on Tue, 15 Apr 2025 09:30:56 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1ed90792.2504c)[Thomas Stockhammer on Tue, 15 Apr 2025 09:36:09 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c1bb1476.2504c)[Rufael Mekuria on Tue, 15 Apr 2025 09:51:59 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3ae81836.2504c)[Thomas Stockhammer on Tue, 15 Apr 2025 10:04:49 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;231e07b9.2504c)[Rufael Mekuria on Tue, 15 Apr 2025 10:23:15 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;43cb5889.2504c)[Serhan Guel (Nokia) on Tue, 15 Apr 2025 10:28:48 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;496ca243.2504c)[Thomas Stockhammer on Tue, 15 Apr 2025 10:38:12 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;522dee51.2504c)[Ralf Schaefer on Tue, 15 Apr 2025 12:24:10 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;eb428d28.2504c)[Thomas Stockhammer on Tue, 15 Apr 2025 14:32:23 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;81f5726b.2504c)[Ralf Schaefer on Tue, 15 Apr 2025 14:37:33 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6bfb7a53.2504c)[Thomas Stockhammer on Tue, 15 Apr 2025 14:39:58 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;79446b9e.2504c) |
| Revisions | [S4-250447 pCR inclusion of dynamic mesh and V-DMC in scenario 2\_CMCC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250447%20pCR%20inclusion%20of%20dynamic%20mesh%20and%20V-DMC%20in%20scenario%202_CMCC.docx)[S4-250447\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250447_QCOM.docx)[S4-250447\_QCOM r1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250447_QCOM%20r1.docx)[S4-250447r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250447r02.docx)[S4-250447r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250447r03.docx) |
| Minutes | April 14, 2025:* Gilles summarizes the e-mail discussion.
* Thomas: didn’t have time to check the latest revision
* Ralf: different formats are studied both options are possible for same content
* Thomas: the mesh is converted to a point cloud
* Ralf: content type depends on content provider, sometimes from point cloud to mesh or mesh to point cloud.
* Gilles: Is there a fork and based on the content capture what the benefits are of one format over another.
* Ralf: the single asset scenario is in place, both format should be studied at the same level not choose mesh over point cloud.
* Thomas: point cloud and mesh should be the same
* Ralf: this is exactly what we are doing
* Thomas: we need the same metric
* Ralf: we have different metrics, they are different for different modality, the converted format loses quality.

April 16, 2025:* Thomas : awkward approach, very MPEG centric view. Which format should be used is still an unanswered question. Results produced here are irrelevant because they are on the compression format and its performance, not the representation format.
* Gaelle : Proposed way forward : 1,2,4,5,10 to TR. Others go to PD.
* Gilles : Need to make a revision with changes 1,2,4,5,10 only for TR.
 |
| Disposition |  |
| Status | **revised to S4-250729, S4-250730** |

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| --- | --- |
| TDoc | S4-250729 |
| Title | pCR on inclusion of dynamic mesh and V-DMC in scenario 2 |
| Source | InterDigital Belgium. LLC |
| Contact | Ralf Schaefer |
| Agenda Item | 9.7 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | S4-250730 |
| Title | pCR on inclusion of dynamic mesh and V-DMC in scenario 2 |
| Source | InterDigital Belgium. LLC |
| Contact | Ralf Schaefer |
| Agenda Item | 9.7 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250448](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250448.zip) |
| Title | pCR on update of information for dense dynamic point cloud representation format |
| Source | InterDigital Belgium. LLC |
| Contact | Ralf Schaefer |
| Agenda Item | 9.7 |
| E-mail Discussion | [FS\_Beyond2D, 448, 14th April 1200CEST] update of information for dense dynamic point cloud representation format[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3c1a27c4.2504b)[Xu Jiayi on Mon, 14 Apr 2025 10:28:17 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1892deae.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 07:26:15 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;47f5e946.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 07:31:27 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;72f39233.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 08:22:20 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b3c5a439.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 09:02:12 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d4dfefdc.2504b) |
| Revisions | [S4-250448 pCR on update of dense dyn point rep format R1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250448%20pCR%20on%20update%20of%20dense%20dyn%20point%20rep%20format%20R1.docx)[S4-250448r01\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250448r01_QCOM.docx)[S4-250448r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250448r02.docx)[S4-250448r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250448r03.docx) |
| Minutes |  |
| Disposition | Revised and agreed |
| Status | **revised to S4-250731** |

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| TDoc | [S4-250731](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250731.zip) |
| Title | pCR on update of information for dense dynamic point cloud representation format |
| Source | InterDigital Belgium. LLC |
| Contact | Ralf Schaefer |
| Agenda Item | 9.7 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250536](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250536.zip) |
| Title | Evaluation of multi-view plus depth with preliminary results |
| Source | Philips, Nokia, InterDigital |
| Contact | Bart Kroon |
| Agenda Item | 9.7 |
| E-mail Discussion | [FS\_Beyond2D, 536, 14th April 1200CEST] Evaluation of multi-view plus depth with preliminary results[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b4bbf07c.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 08:43:13 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;dc3f938b.2504b)[Kroon, Bart on Mon, 14 Apr 2025 13:50:31 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ceec8ca1.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 20:46:04 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d01797ac.2504b)[Kroon, Bart on Wed, 16 Apr 2025 05:53:30 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3580dbc5.2504c) |
| Revisions | [S4-250536\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250536_QCOM.docx)[S4-250536r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250536r01.docx)[S4-250536r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250536r02.docx) |
| Minutes |  |
| Disposition | Revised and agreed for addition into PD |
| Status | **revised to S4-250714** |

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| TDoc | [S4-250714](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250714.zip) |
| Title | Evaluation of multi-view plus depth with preliminary results |
| Source | Philips, Nokia, InterDigital |
| Contact | Bart Kroon |
| Agenda Item | 9.7 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition | Revised and agreed for addition into PD |
| Status | agreed |

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| TDoc | [S4-250568](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250568.zip) |
| Title | [FS\_Beyond2D] Objective Metric for Generated Stereoscopic Video  |
| Source | China Mobile International Ltd |
| Contact | Jiayi Xu |
| Agenda Item | 9.7 |
| E-mail Discussion | Revision of [S4-250568](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250568.zip)[Xu Jiayi on Thu, 10 Apr 2025 13:57:37 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;db75a81e.2504b)[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;726be06.2504b)[Xu Jiayi on Fri, 11 Apr 2025 15:22:39 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;92548683.2504b)[Serhan Guel (Nokia) on Mon, 14 Apr 2025 08:20:03 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6d393ce0.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 08:58:01 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4d31b57a.2504b)[Xu Jiayi on Mon, 14 Apr 2025 17:51:39 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6c4e14f2.2504b)[Xu Jiayi on Mon, 14 Apr 2025 18:07:15 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;af2f71db.2504b)[Emmanuel Thomas on Mon, 14 Apr 2025 14:42:19 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;51c29cc5.2504b)[Xu Jiayi on Mon, 14 Apr 2025 23:22:24 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;cbf4bb4c.2504b) |
| Revisions | [S4-250568-Stereo3Dquality-v1.1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250568-Stereo3Dquality-v1.1.docx)[S4-250568r01\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250568r01_QCOM.docx)[S4-250568-Stereo3Dquality-v1.1\_r2.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250568-Stereo3Dquality-v1.1_r2.docx) |
| Minutes | April 14, 2025:* Gilles summarizes the e-mail discussion.
* Emmanuel : Why do we need a depth-map? There is no reference to it in the paper provided
* Jiayi : the paper summarizes the procedure
* Emmanuel : We want to measure the quality of the generated view but we now rely on a 2nd AI estimation (on depth)
* Gilles : still puzzled about the value of defining objective metrics to measure quality of generated content
* Madhukar : Generated content is just one content in particular and it is not clear if it fits in the study
* Jiayi : AI generated content is part of the sequences. This is relevant to this study.
* Madhukar : It is not clear how we can conduct the tests here. This needs to be clarified.
* Gilles : Generated content would allow us to increase the size of our stereoscopic dataset.
 |
| Disposition | minor editorial checking still needs to be done before integration into draft TR => revision - revision agreed |
| Status | **revised to S4-250677** |

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| TDoc | [S4-250677](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250677.zip) |
| Title | [FS\_Beyond2D] Objective Metric for Generated Stereoscopic Video  |
| Source | China Mobile International Ltd |
| Contact | Jiayi Xu |
| Agenda Item | 9.7 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition | agreed |
| Status | agreed |

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| TDoc | [S4-250569](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250569.zip) |
| Title | [FS\_Beyond2D] Test Sequences for UE-to-UE Stereoscopic Video Live Streaming  |
| Source | China Mobile International Ltd |
| Contact | Jiayi Xu |
| Agenda Item | 9.7 |
| E-mail Discussion | [FS\_Beyond2D, 569, 14th April 1200CEST] Test Sequences for UE-to-UE Stereoscopic Video Live Streaming[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f5e26052.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 09:17:22 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e297da3f.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 09:20:48 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7eb43208.2504b)[Xu Jiayi on Mon, 14 Apr 2025 20:40:20 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c3bf7e4e.2504b)[Xu Jiayi on Mon, 14 Apr 2025 22:12:11 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;30b35474.2504b) |
| Revisions | [S4-250569\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250569_QCOM.docx)[S4-250569\_r1.docx.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250569_r1.docx.docx) |
| Minutes | April 14, 2025:* Gilles summarizes the e-mail discussion.
* Thomas : Captured or Generated sequence ?
	+ Jiayi : one view is captured, the second view is generated
* Alexis : What is the main purpose here with such AI generated content ?
	+ Jiayi : The purpose is to document how content can be created/captured.
* Alexis : how is that in 3GPP scope?
	+ Jiayi : We are evaluating whether quality of generated content is acceptable for the purpose of our study.
* Gilles : is this r1 agreeable as is ?
 |
| Disposition | Agreement on r1 after revisionNeed to add explanation in TR about what to do with generated content. |
| Status | **revised to S4-250678** |

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| TDoc | [S4-250678](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250678.zip) |
| Title | [FS\_Beyond2D] Test Sequences for UE-to-UE Stereoscopic Video Live Streaming  |
| Source | China Mobile International Ltd |
| Contact | Jiayi Xu |
| Agenda Item | 9.7 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition | agreed |
| Status | agreed |

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| TDoc | [S4-250570](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250570.zip) |
| Title | [FS\_Beyond2D] pCR on Annex C.2.12 – Test Sequences for Dynamic Mesh |
| Source | China Mobile International Ltd |
| Contact | Jiayi Xu |
| Agenda Item | 9.7 |
| E-mail Discussion | [FS\_Beyond2D, 570, 14th April 1200CEST] Annex C.2.12 – Test Sequences for Dynamic Mesh[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fabd4b94.2504b)[Serhan Guel (Nokia) on Fri, 11 Apr 2025 18:52:01 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e45b5e67.2504b)[Xu Jiayi on Mon, 14 Apr 2025 13:58:53 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;70e23fb3.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 07:08:50 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f33995d1.2504b)[Serhan Guel (Nokia) on Mon, 14 Apr 2025 10:01:46 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8e341571.2504b)[Xu Jiayi on Wed, 16 Apr 2025 17:44:46 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ed308dd8.2504c)[Ralf Schaefer on Wed, 16 Apr 2025 12:06:09 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ee9a5659.2504c)[Xu Jiayi on Wed, 16 Apr 2025 20:23:36 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8e311c12.2504c) |
| Revisions | [S4-250570-testSequences - dynamic mesh\_r1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250570-testSequences%20-%20dynamic%20mesh_r1.docx) |
| Minutes | April 14, 2025:* Gilles summarizes the e-mail discussion.
* Invitation to check quality of sequences during the week, if possible
* Ralf : Not clear how many sequences there are.
* Serhan : It will be good to get properties for all sequences
* Jiayi : only 1 sequence available for this meeting
* Serhan: what are the benefits/visual differences
* Jiayi: there are big differences between different configurations
 |
| Disposition | Revision agreed |
| Status | **revised to S4-250717** |

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| TDoc | S4-250717 |
| Title | [FS\_Beyond2D] pCR on Annex C.2.12 – Test Sequences for Dynamic Mesh |
| Source | China Mobile International Ltd |
| Contact | Jiayi Xu |
| Agenda Item | 9.7 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition | agreed |
| Status | agreed |

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| TDoc | [S4-250596](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250596.zip) |
| Title | [FS\_Beyond2D] Clause 4.1 Introduction to Beyond 2D Video Formats |
| Source | China Mobile International Ltd |
| Contact | Jiayi Xu |
| Agenda Item | 9.7 |
| E-mail Discussion | [FS\_Beyond2D, 596, 14th April 1200CEST] Clause 4.1 Introduction to Beyond 2D Video Formats[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6ddff0c2.2504b)[Serhan Guel (Nokia) on Fri, 11 Apr 2025 07:48:56 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1ddf4a47.2504b)[Xu Jiayi on Mon, 14 Apr 2025 10:49:03 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;30492144.2504b)[Serhan Guel (Nokia) on Mon, 14 Apr 2025 06:36:58 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5dbf7cf9.2504b)[Ralf Schaefer on Mon, 14 Apr 2025 06:39:35 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;628eda47.2504b)[Xu Jiayi on Mon, 14 Apr 2025 16:57:52 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;dc0dcc90.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 09:33:12 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;cbbf4e3b.2504b)[Serhan Guel (Nokia) on Mon, 14 Apr 2025 09:41:07 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;47342ab2.2504b)[Xu Jiayi on Mon, 14 Apr 2025 18:50:24 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;25f12cd1.2504b)[Serhan Guel (Nokia) on Mon, 14 Apr 2025 11:04:17 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;cb1a75fa.2504b)[Xu Jiayi on Mon, 14 Apr 2025 19:42:19 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a69a9f3f.2504b)[Xu Jiayi on Wed, 16 Apr 2025 16:58:35 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6b77fa71.2504c) |
| Revisions | [S4-250596-Introduction-r1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250596-Introduction-r1.docx)[S4-250596\_NOK.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250596_NOK.docx)[S4-250596-Introduction-r2.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250596-Introduction-r2.docx)[S4-250596r02\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250596r02_QCOM.docx)[S4-250596r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250596r03.docx)[S4-250596r04.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250596r04.docx)[S4-250596r05.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250596r05.docx) |
| Minutes | April 14, 2025:* Jiayi presents [S4-250596r04.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250596r04.docx)
* Serhan : Dynamic Mesh : what is the format limitation you mention?
	+ Jiayi : at this stage no fixed codec
* Summary of Beyond 2D formats : Landscape is OK and used all the time. This will be added in introduction
* Madhukar: Dynamic Mesh : not clear what is hard or easy to edit, point cloud why is it hard to edit? Mesh also is editable format so the property of editing needs to be edited.
* Jiayi: this is based on the earlier discussion and keeps only the most important parts.
* Madhukar: Stereoscopic is also hard to edit, almost impossible
* Gilles: we can bracket it or work until washup

April 16, 2025:* Jiayi presents r05
* Gilles : Table 4.1 should list “candidate” codecs
 |
| Disposition | Revised and agreed |
| Status | **revised to S4-250718** |

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| --- | --- |
| TDoc | S4-250718 |
| Title | [FS\_Beyond2D] Clause 4.1 Introduction to Beyond 2D Video Formats |
| Source | China Mobile International Ltd |
| Contact | Jiayi Xu |
| Agenda Item | 9.7 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250598](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250598.zip) |
| Title | [FS\_Beyond2D] Permanent document on B2D format evaluation |
| Source | Tencent |
| Contact | Gilles Teniou |
| Agenda Item | 9.7 |
| E-mail Discussion | [FS\_Beyond2D, 598, 14th April 1200CEST] Permanent document on B2D format evaluation[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8e726e7f.2504b)[Xu Jiayi on Fri, 11 Apr 2025 16:21:36 +0800](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;41bd27bf.2504b)[Thomas Stockhammer on Mon, 14 Apr 2025 09:35:05 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3dfd96ba.2504b) |
| Revisions | [S4-250598 [FS\_B2D] Permanent document on format evaluation\_CMCC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250598%20%5BFS_B2D%5D%20%20Permanent%20document%20on%20format%20evaluation_CMCC.docx) |
| Minutes | April 14, 2025:* Gilles: proposes to park it , qualcomm already expressed support, additional feedback is requested and additional checks, proposes to revision during washup but better before.

April 16, 2025:* Gilles presents, need to collect details
 |
| Disposition |  |
| Status | **revised to S4-250720** |

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| TDoc | S4-250720 |
| Title | [FS\_Beyond2D] Permanent document on B2D format evaluation |
| Source | Tencent |
| Contact | Gilles Teniou |
| Agenda Item | 9.7 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250680](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250680.zip) |
| Title | [FS\_Beyond2D] TR 26.956 V0.4.0 |
| Source | China Mobile International Ltd |
| Contact | Jiayi Xu |
| Agenda Item | 9.7 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition | Go to Plenary |
| Status | Plenary |

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| TDoc | [S4-250681](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250681.zip) |
| Title | [FS\_Beyond2D] Workplan V0.9 |
| Source | China Mobile International Ltd |
| Contact | Jiayi Xu |
| Agenda Item | 9.7 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | withdrawn |

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| TDoc | [S4-250682](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250682.zip) |
| Title | [FS\_Beyond2D] Workplan V0.9 |
| Source | China Mobile International Ltd |
| Contact | Jiayi Xu |
| Agenda Item | 9.7 |
| E-mail Discussion |  |
| Revisions | [S4-250682\_[FS\_Beyond2D]WorkplanV0.9.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250682_%5BFS_Beyond2D%5DWorkplanV0.9.docx) |
| Minutes | April 16, 2025:* Jiayi presents
 |
| Disposition |  |
| Status | agreed |

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| TDoc | S4-250719 |
| Title | [FS\_Beyond2D]Permenant Document v0.0.8 |
| Source | China Mobile International Ltd |
| Contact | Jiayi Xu |
| Agenda Item | 9.7 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | Plenary |

## 9.8 FS\_ARSpatial (Study on Spatial Computing for AR Services)

*WID:* [*SP-240927*](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_104_Shanghai_2024-06/Docs/SP-240927.zip) *New SID on Feasibility Study on Spatial Computing for AR Services*

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| TDoc | [S4-250524](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250524.zip) |
| Title | [FS\_ARSpatial] TR 26.819 v0.3.1 |
| Source | InterDigital Canada |
| Contact | Ahmed Hamza |
| Agenda Item | 9.8 |
| E-mail Discussion | [FS\_ARSpatial, 524, 15th April 1200CEST] TR 26.819 v0.3.1[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c54f7abc.2504b)[Gilles Teniou on Tue, 15 Apr 2025 11:22:36 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7c0c591c.2504c) |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250525](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250525.zip) |
| Title | [FS\_ARSpatial] pCR on Diminished Reality Spatial Computing Functions |
| Source | InterDigital Canada |
| Contact | Ahmed Hamza |
| Agenda Item | 9.8 |
| E-mail Discussion | [FS\_ARSpatial, 525, 15th April 1200CEST] Diminished Reality Spatial Computing Functions[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8313db6e.2504b)[Imed Bouazizi on Sun, 13 Apr 2025 23:47:45 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;641348a6.2504b)[Ahmed Hamza on Mon, 14 Apr 2025 00:04:48 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;261fb273.2504b)[Serhan Guel (Nokia) on Mon, 14 Apr 2025 06:14:57 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7b63012a.2504b)[Ahmed Hamza on Tue, 15 Apr 2025 03:28:45 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5965b73.2504c) |
| Revisions | [S4-250525r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250525r01.docx) |
| Minutes | April 15, 2025:* Gilles summarizes the e-mail discussion.
* Ahmed presents r01.
 |
| Disposition | Revised and agreed |
| Status | **revised to S4-250656** |

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| TDoc | [S4-250656](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250656.zip) |
| Title | [FS\_ARSpatial] pCR on Diminished Reality Spatial Computing Functions |
| Source | InterDigital Canada |
| Contact | Ahmed Hamza |
| Agenda Item | 9.8 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250526](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250526.zip) |
| Title | [FS\_ARSpatial] Proposed Updated Time and Work Plan v0.3.1 |
| Source | InterDigital Canada |
| Contact | Ahmed Hamza |
| Agenda Item | 9.8 |
| E-mail Discussion | [FS\_ARSpatial, 526, 15th April 1200CEST] Proposed Updated Time and Work Plan[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4e4b3fb3.2504b)[Imed Bouazizi on Sun, 13 Apr 2025 23:50:15 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b8cc12a4.2504b)[Gilles Teniou on Tue, 15 Apr 2025 12:32:22 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1259f75d.2504c) |
| Revisions | [S4-250526r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250526r01.docx) |
| Minutes | April 16, 2025:* Gilles opens r01
 |
| Disposition | Revised and agreed |
| Status | **revised to S4-250723** |

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| TDoc | [S4-250527](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250527.zip) |
| Title | [FS\_ARSpatial] pCR on Proposed Conclusions |
| Source | InterDigital Canada |
| Contact | Ahmed Hamza |
| Agenda Item | 9.8 |
| E-mail Discussion | FS\_ARSpatial, 527, 15th April 1200CEST] Proposed Conclusions[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9d05a39a.2504b)[Imed Bouazizi on Sun, 13 Apr 2025 23:54:09 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;50b90a8c.2504b)[Eric Yip on Mon, 14 Apr 2025 13:14:26 +0900](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5869357b.2504b)[Ahmed Hamza on Mon, 14 Apr 2025 05:46:33 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d23d0b97.2504b)[Champel MaryLuc on Mon, 14 Apr 2025 14:21:55 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d017aead.2504b)[Serhan Guel (Nokia) on Mon, 14 Apr 2025 20:55:41 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6185c883.2504b)[Ahmed Hamza on Tue, 15 Apr 2025 02:38:35 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ac479e3c.2504c)[Ahmed Hamza on Tue, 15 Apr 2025 02:41:14 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3c17105f.2504c) |
| Revisions | [S4-250527r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Inbox/Drafts/Video/S4-250527r01.docx) |
| Minutes | April 15, 2025:* Gilles summarizes the e-mail discussion.
* Ahmed presents r01.
* Imed : we would like to see evidence that these 10 spatial computing functions cannot run on the device and that service could run if they run remotely.
* Mary-Luc : Next steps should only be discussed after we get some evidence that it is feasible and required to run these functions remotely.
* Imed : We would like next steps section to be removed for the time being.
 |
| Disposition | Revised and agreed after removal of 8.2 next steps. |
| Status | **revised to S4-250657** |

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| TDoc | [S4-250657](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250657.zip) |
| Title | [FS\_ARSpatial] pCR on Proposed Conclusions |
| Source | InterDigital Canada |
| Contact | Ahmed Hamza |
| Agenda Item | 9.8 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-250533](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250533.zip) |
| Title | [FS\_ARSpatial] pCR on IMS Mapping |
| Source | InterDigital Canada |
| Contact | Ahmed Hamza |
| Agenda Item | 9.8 |
| E-mail Discussion | [FS\_ARSpatial, 533, 15th April 1200CEST] IMS Mapping[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4fbb1ed6.2504b)[Shane He (Nokia) on Fri, 11 Apr 2025 16:54:58 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7ceea91a.2504b)[Ahmed Hamza on Fri, 11 Apr 2025 19:41:56 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;38f2d303.2504b)[Imed Bouazizi on Sun, 13 Apr 2025 23:58:31 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d033e347.2504b)[Ahmed Hamza on Mon, 14 Apr 2025 22:44:59 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b29e424.2504b) |
| Revisions | No revisions available. |
| Minutes | April 15, 2025:* Gilles summarizes the e-mail discussion.
* Imed : It is not clear how this will fit into IMS architecture. It is very premature to work on such integration with IMS.
* Ahmed : We expect to have spatial computing as part of the Media Function
* Gazi : What is the role of IMS media here? Would there be an IMS call or a standalone IMS session? Do we see spatial computing as a separate Application layer element or something else (user plane) ?
	+ Amed : we expect it to be part of an IMS call.
* Shane : We should start from IBACS rather than starting from zero here.
	+ Ahmed : Need to check if there is duplication here.
 |
| Disposition |  |
| Status | noted |

|  |  |
| --- | --- |
| TDoc | [S4-250571](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250571.zip) |
| Title | [FS\_ARSpatial] Extended Spatial Computing general architecture for Edge Computing |
| Source | Nokia  |
| Contact | Daniel Philip VENMANI |
| Agenda Item | 9.8 |
| E-mail Discussion | [FS\_ARSpatial, 571, 15th April 1200CEST] Extended Spatial Computing general architecture for Edge Computing[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a6800dc9.2504b)[Imed Bouazizi on Sun, 13 Apr 2025 23:59:59 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8e7dbaa0.2504b)[Daniel Venmani (Nokia) on Mon, 14 Apr 2025 12:39:30 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;85a719d3.2504b)[Ahmed Hamza on Mon, 14 Apr 2025 15:20:52 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;71ad4ca5.2504b)[Daniel Venmani (Nokia) on Mon, 14 Apr 2025 15:54:47 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7000d86e.2504b) |
| Revisions | No revisions available. |
| Minutes | April 15, 2025:* Gilles summarizes the e-mail discussion.
* Daniel presents
 |
| Disposition |  |
| Status | agreed |

|  |  |
| --- | --- |
| TDoc | [S4-250572](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250572.zip) |
| Title | [FS\_ARSpatial] Pre-requisites on 5G System |
| Source | Nokia  |
| Contact | Daniel Philip VENMANI |
| Agenda Item | 9.8 |
| E-mail Discussion | [FS\_ARSpatial, 572, 15th April 1200CEST] Pre-requisites on 5G System[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;71889004.2504b)[Gilles Teniou on Tue, 15 Apr 2025 12:19:30 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c3810135.2504c) |
| Revisions | No revisions available. |
| Minutes | April 15, 2025:* Gilles summarizes the e-mail discussion. Imed made comment, assigned to 571 as well.
* Imed : We never discussed the opportunity to make this into a Media Service Enabler.
* Gilles : We can work under the assumption of making it into a MSE.
* Imed : If it was the intention, it should have been made clear from the beginning and not just mentioned at the time of conclusion
* Ahmed : the conclusion to make it an MSE was brought earlier as one possibility.
* Gilles recommends to prepare the MSE template in the case the assumption of making it into an MSE is confirmed.
 |
| Disposition |  |
| Status | agreed |

|  |  |
| --- | --- |
| TDoc | [S4-250454](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250454.zip) |
| Title | Editorial corrections and increasing readability of text in Figures |
| Source | Nokia |
| Contact | Saba Ahsan |
| Agenda Item | 9.9 |
| E-mail Discussion | [TEI19/FS\_AVATAR, 454, 14th April 1200CEST] Editorial corrections and increasing readability of text in Figures[Gilles Teniou on Fri, 11 Apr 2025 07:00:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;779683a.2504b)[Saba Ahsan (Nokia) on Fri, 11 Apr 2025 14:30:27 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9a2656ee.2504b)[Imed Bouazizi on Mon, 14 Apr 2025 00:01:52 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b0e92ab2.2504b)[Gilles Teniou on Mon, 14 Apr 2025 11:03:50 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bb74d169.2504b)[Imed Bouazizi on Mon, 14 Apr 2025 15:19:17 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e12903e6.2504b)[Eric Yip on Tue, 15 Apr 2025 12:48:31 +0900](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ff6ceb8a.2504c)[Saba Ahsan (Nokia) on Tue, 15 Apr 2025 12:53:29 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;cb5a9dd5.2504c) |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

## 9.9 Other Rel-19 matters including TEI

No documents.

## 9.10 Any Other Business

### 9.10.1 report

The report will be made available in [S4-250722](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250722.zip).

###

### 9.10.4 Output documents

|  |  |  |
| --- | --- | --- |
| A.I. | Topic | Tdoc  |
| 5.3 | LS | **619** (MPEG LS) -> postponed in VIDEO SWG**600**->noted in VIDEO SWG |
| 12.3 | VIDEO SWG report | **722** |
| 14 | TEI | 26.813 CR**454** |
| 14.4 | VOPS | 26.265: **710**TP: **482** |
| 15.3 | FS\_AI4Media | 26.927: **676**26.847: **669**TP: **548** |
| 15.4 | FS\_Beyond2D | 26.956: **680**PD: **719**evaPD: **720**TP: **682** |
| 15.5 | FS\_ARSpatial | 26.819: **721**TP: **723** |

### 9.10.5 AHG Telcos

6th May 2025, 3-5pm CEST

Contribution deadline: 5th May 2025, 3pm CEST

Agenda items: VOPS, ~~FS\_AI4Media~~, FS\_Beyond2D, FS\_ARSpatial

## 9.11 Close of the session

The chairman thanked the participants. Thomas Stockhammer thanked the chairman on behalf of the delegates.

The session was closed on April 16, 2025 at 18:20 CEST.

# **VIDEO SWG Participants list (52 registered, 15 attended)**

**Thank you 3GU bureaucracy**

|  |  |  |  |
| --- | --- | --- | --- |
| **Family Name** | **Given Name** | **Organization Represented** | **PRESENCE** |
| Ahsan | Saba | Nokia Corporation | Absent |
| AUMONT | FRANCK | InterDigital New York | Absent |
| Bouazizi | Imed | QUALCOMM JAPAN LLC. | Absent |
| Burman | Bo | Ericsson Japan K.K. | Absent |
| Champel | Mary-Luc | Xiaomi Technology France | Absent |
| Chen | Ben | BJTU | Absent |
| Curcio | Igor | Nokia Japan | Absent |
| Ding | Shilin | QWCT | Absent |
| Doehla | Stefan | Fraunhofer IIS | Absent |
| Fontaine | Loic | InterDigital France R&D, SAS | Absent |
| Gabin | Frederic | Dolby France SAS | Present |
| Gonzalez Contreras | Veronica | Vodafone Romania S.A. | Absent |
| Gorley | Paul | BBC | Present |
| Gudumasu | Srinivas | InterDigital Communications | Absent |
| Guede | Celine | InterDigital Communications | Absent |
| Gül | Serhan | Nokia Americas | Present |
| Hamza | Ahmed | InterDigital Canada | Present |
| He | Xuan (Shane) | Nokia France | Present |
| Illahi | Gazi Karam | Nokia Denmark | Present |
| Inoue | Yoshihiro | NTT-AT Corp. | Absent |
| Jansson Toftgård | Tomas | Ericsson Limited | Absent |
| kotecha | lalit | Verizon Switzerland AG | Absent |
| Kroon | Bart | Philips International B.V. | Present |
| Kwon | WooSuk | LG Electronics Inc. | Present |
| Lee | Brian | Dolby Laboratories Inc. | Present |
| Lemotheux | Julien | Orange | Present |
| Lindero | David | Ericsson Korea Partners Co Ltd | Absent |
| Litwic | Lukasz | Ericsson Hungary Ltd | Absent |
| Martin-Cocher | Gaelle | InterDigital, Europe, Ltd. | Absent |
| Mate | Sujeet | Nokia Solutions & Networks (I) | Absent |
| Mekuria | Rufail | HUAWEI TECH. GmbH | Absent |
| Pan | Qi | HuaWei Technologies Co., Ltd | Present |
| Pandey | Anupkumar | Jio | Absent |
| Potetsianakis | Emmanouil | Beijing Xiaomi Mobile Software | Present |
| Ramazanirend | Elmira | Vodafone GmbH | Absent |
| Rämö | Anssi | Nokia Hungary | Absent |
| Schaefer | Ralf | InterDigital Belgium. LLC | Present |
| Sodagar | Iraj | Dolby Germany GmbH | Absent |
| Song | Jaeyeon | Samsung Electronics Co., Ltd | Absent |
| Stockhammer | Thomas | Qualcomm Technologies Int | Present |
| Stoica | Razvan-Andrei | Lenovo (Beijing) Ltd | Absent |
| Su | Huan-yu | HuaWei Technologies Co., Ltd | Absent |
| Teniou | Gilles | Tencent | Present |
| Thammaiah | Shanthala | Verizon UK Ltd | Absent |
| Thomas | Emmanuel | Xiaomi Technology (Polska) sp. | Absent |
| VENMANI | Daniel Philip | Nokia Belgium | Absent |
| Wang | Dong | Guangdong OPPO Mobile Telecom. | Absent |
| Xie | Pengxiang | ZTE Korea Limited | Absent |
| Xu | Jiayi | China Mobile Com. Corporation | Absent |
| Yip | Eric | Samsung R&D Institute India | Absent |
| ZHENG | Jianhua | Pengcheng laboratory | Absent |
| Zia | Waqar | Apple Switzerland AG | Absent |

The SA4 VIDEO SWG email reflector has **174** subscribers and “some” delegates attended the online VIDEO SWG sessions.

Annex A - The documents status (98 tdocs)

A.1 Agreed documents (not presented to SA4 plenary)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tdoc number** | **Title** | **Source** | **SWG Agenda Item** | **Replaced by** | **SWG Status** | **SA4 A.I. for Tdocs presented at SA4 plenary\*** |
| [S4-250504](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250504.zip) | Pseudo-CR on review of the AI4M TR 26.927 | InterDigital, Europe, Ltd. | 9.6 |  | agreed |  |
| [S4-250524](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250524.zip) | [FS\_ARSpatial] TR 26.819 v0.3.1 | InterDigital Canada | 9.8 |  | agreed |  |
| [S4-250552](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250552.zip) | [FS\_AI4Media] pCR editorial updates on TR 26.847 | Samsung R&D Institute India | 9.6 |  | agreed |  |
| [S4-250571](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250571.zip) | [FS\_ARSpatial] Extended Spatial Computing general architecture for Edge Computing | Nokia  | 9.8 |  | agreed |  |
| [S4-250572](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250572.zip) | [FS\_ARSpatial] Pre-requisites on 5G System | Nokia  | 9.8 |  | agreed |  |
| [S4-250624](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250624.zip) | Draft TR 26.927 v1.0.1 | Tencent (Editor) | 9.6 |  | agreed |  |
| S4-250640 | [VOPS] Updates to Capabilities and Operation Points | Qualcomm Germany, Tencent | 9.5 |  | agreed |  |
| [S4-250649](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250649.zip) | [FS\_AI4Media] pCR and discussion on conclusions (TR 26.927) | Samsung R&D Institute India | 9.6 |  | agreed |  |
| [S4-250650](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250650.zip) | [FS\_AI4Media] pCR on conclusions (TR 26.847) | Samsung R&D Institute India | 9.6 |  | agreed |  |
| [S4-250656](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250656.zip) | [FS\_ARSpatial] pCR on Diminished Reality Spatial Computing Functions | InterDigital Canada | 9.8 |  | agreed |  |
| [S4-250657](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250657.zip) | [FS\_ARSpatial] pCR on Proposed Conclusions | InterDigital Canada | 9.8 |  | agreed |  |
| S4-250677 | [FS\_Beyond2D] Objective Metric for Generated Stereoscopic Video  | China Mobile International Ltd | 9.7 |  | agreed |  |
| S4-250678 | [FS\_Beyond2D] Test Sequences for UE-to-UE Stereoscopic Video Live Streaming  | China Mobile International Ltd | 9.7 |  | agreed |  |
| [S4-250679](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250679.zip) | [VOPS] On random access | Apple Inc. | 9.5 |  | agreed |  |
| S4-250704 | [VOPS] Updates to System Integration | Qualcomm Germany, Tencent | 9.5 |  | agreed |  |
| [S4-250706](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250706.zip) | [VOPS] Frame packed stereoscopic resolutions | Apple Inc. | 9.5 |  | agreed |  |
| S4-250707 | [VOPS] Updated Terminology | Qualcomm Germany, Tencent | 9.5 |  | agreed |  |
| S4-250709 | [VOPS] Proposed Way Forward on Conformance | Qualcomm Germany, Tencent, Apple, Xiaomi | 9.5 |  | agreed |  |
| S4-250711 | [FS\_AI4Media] Pseudo-CR on conclusion related to media data | Xiaomi Technology (Polska) sp. | 9.6 |  | agreed |  |
| [S4-250714](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250714.zip) | Evaluation of multi-view plus depth with preliminary results | Philips, Nokia, InterDigital | 9.7 |  | agreed |  |
| S4-250717 | [FS\_Beyond2D] pCR on Annex C.2.12 – Test Sequences for Dynamic Mesh | China Mobile International Ltd | 9.7 |  | agreed |  |
| S4-250718 | [FS\_Beyond2D] Clause 4.1 Introduction to Beyond 2D Video Formats | China Mobile International Ltd | 9.7 |  | agreed |  |
| [S4-250727](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250727.zip) | pCR on include 3D background models in annex C | InterDigital Belgium. LLC | 9.7 |  | agreed |  |
| S4-250729 | pCR on inclusion of dynamic mesh and V-DMC in scenario 2 | InterDigital Belgium. LLC | 9.7 |  | agreed |  |
| S4-250730 | pCR on inclusion of dynamic mesh and V-DMC in scenario 2 | InterDigital Belgium. LLC | 9.7 |  | agreed |  |
| [S4-250731](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250731.zip) | pCR on update of information for dense dynamic point cloud representation format | InterDigital Belgium. LLC | 9.7 |  | agreed |  |
| [S4-250732](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250732.zip) | pCR on update of V-PCC testing | InterDigital Belgium. LLC | 9.7 |  | agreed |  |

A.2 Agreed documents (to be presented to SA4 plenary)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tdoc number** | **Title** | **Source** | **SWG Agenda Item** | **Replaced by** | **SWG Status** | **SA4 A.I. for Tdocs presented at SA4 plenary\*** |
| [S4-250454](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250454.zip) | Editorial corrections and increasing readability of text in Figures | Nokia | 9.9 |  | agreed | 14 |
| [S4-250548](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250548.zip) | [FS\_AI4Media] Time and Work Plan | Samsung R&D Institute India | 9.6 |  | agreed | 15.3 |
| [S4-250669](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250669.zip) | [FS\_AI4Media] Draft TR 26.847 v1.1.0 | Samsung R&D Institute India | 9.6 |  | agreed | 15.3 |
| S4-250682 | [FS\_Beyond2D] Workplan V0.9 | China Mobile International Ltd | 9.7 |  | agreed | 15.4 |
| S4-250723 | [FS\_ARSpatial] Updated Time and Work Plan v0.4.0 | InterDigital Canada | 9.8 |  | agreed | 15.5 |

A.3 Other status than agreed documents (not presented to SA4 plenary)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tdoc number** | **Title** | **Source** | **SWG Agenda Item** | **Replaced by** | **SWG Status** | **SA4 A.I. for Tdocs presented at SA4 plenary\*** |
| [S4-250445](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250445.zip) | pCR on include 3D background models in annex C | InterDigital Belgium. LLC | 9.7 | S4-250727 | revised |  |
| [S4-250446](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250446.zip) | pCR on update of V-PCC testing | InterDigital Belgium. LLC | 9.7 | S4-250732 | revised |  |
| [S4-250447](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250447.zip) | pCR on inclusion of dynamic mesh and V-DMC in scenario 2 | InterDigital Belgium. LLC | 9.7 | S4-250729 | revised |  |
| [S4-250448](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250448.zip) | pCR on update of information for dense dynamic point cloud representation format | InterDigital Belgium. LLC | 9.7 | S4-250731 | revised |  |
| [S4-250470](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250470.zip) | [VOPS] Updates to Capabilities and Operation Points | Qualcomm Germany, Tencent | 9.5 | S4-250640 | revised |  |
| [S4-250471](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250471.zip) | [VOPS] Updates to System Integration | Qualcomm Germany, Tencent | 9.5 | S4-250704 | revised |  |
| [S4-250472](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250472.zip) | [VOPS] Updated Terminology | Qualcomm Germany, Tencent | 9.5 | S4-250707 | revised |  |
| [S4-250473](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250473.zip) | [VOPS] Proposed Way Forward on Conformance | Qualcomm Germany, Tencent, Apple, Xiaomi | 9.5 | S4-250709 | revised |  |
| [S4-250476](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250476.zip) | [VOPS] On Multiview profiles | Apple Inc. | 9.5 |  | noted |  |
| [S4-250477](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250477.zip) | [VOPS] On random access | Apple Inc. | 9.5 | S4-250679 | revised |  |
| [S4-250478](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250478.zip) | [VOPS] Frame packed stereoscopic resolutions | Apple Inc. | 9.5 | S4-250706 | revised |  |
| [S4-250479](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250479.zip) | [VOPS] General updates | Apple Inc. | 9.5 |  | noted |  |
| S4-250480 | [VOPS] Updates on CMAF ammendment | Apple Inc. | 9.5 |  | noted |  |
| [S4-250481](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250481.zip) | [VOPS] Updates for MV-HEVC | Apple Inc., [Qualcomm Incorporated] | 9.5 |  | endorsed |  |
| [S4-250525](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250525.zip) | [FS\_ARSpatial] pCR on Diminished Reality Spatial Computing Functions | InterDigital Canada | 9.8 | S4-250656 | revised |  |
| [S4-250526](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250526.zip) | [FS\_ARSpatial] Proposed Updated Time and Work Plan v0.3.1 | InterDigital Canada | 9.8 | 723 | revised |  |
| [S4-250527](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250527.zip) | [FS\_ARSpatial] pCR on Proposed Conclusions | InterDigital Canada | 9.8 | S4-250657 | revised |  |
| [S4-250533](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250533.zip) | [FS\_ARSpatial] pCR on IMS Mapping | InterDigital Canada | 9.8 |  | noted |  |
| [S4-250536](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250536.zip) | Evaluation of multi-view plus depth with preliminary results | Philips, Nokia, InterDigital | 9.7 | 714 | revised |  |
| [S4-250546](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250546.zip) | [FS\_AI4Media] Agentic AI | QUALCOMM JAPAN LLC. | 9.6 |  | noted |  |
| [S4-250550](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250550.zip) | [FS\_AI4Media] pCR on conclusions (TR 26.847) | Samsung R&D Institute India | 9.6 | S4-250650 | revised |  |
| [S4-250551](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250551.zip) | [FS\_AI4Media] pCR and discussion on conclusions (TR 26.927) | Samsung R&D Institute India | 9.6 | S4-250649 | revised |  |
| [S4-250568](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250568.zip) | [FS\_Beyond2D] Objective Metric for Generated Stereoscopic Video  | China Mobile International Ltd | 9.7 | S4-250677 | revised |  |
| [S4-250569](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250569.zip) | [FS\_Beyond2D] Test Sequences for UE-to-UE Stereoscopic Video Live Streaming  | China Mobile International Ltd | 9.7 | S4-250678 | revised |  |
| [S4-250570](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250570.zip) | [FS\_Beyond2D] pCR on Annex C.2.12 – Test Sequences for Dynamic Mesh | China Mobile International Ltd | 9.7 | 717 | revised |  |
| [S4-250596](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250596.zip) | [FS\_Beyond2D] Clause 4.1 Introduction to Beyond 2D Video Formats | China Mobile International Ltd | 9.7 | 718 | revised |  |
| [S4-250598](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250598.zip) | [FS\_Beyond2D] Permanent document on B2D format evaluation | Tencent | 9.7 | 720 | revised |  |
| [S4-250600](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250600.zip) | LS On Low Latency and Error Prone Media Transmission | HUAWEI TECH. GmbH | 9.3 |  | noted |  |
| [S4-250602](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250602.zip) | [VOPS] On 3GPP video operation points for monochrome sequence | Beijing Xiaomi Mobile Software | 9.5 |  | noted |  |
| [S4-250603](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250603.zip) | [FS\_AI4Media] Pseudo-CR on conclusion related to media data | Xiaomi Technology (Polska) sp. | 9.6 | 711 | revised |  |
| [S4-250619](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250619.zip) | Liaison statement from SC 29/WG 2 to ARIB/ DIBEG, ATSC, SBTVD, DVB, Khronos, W3C, MSF, 3GPP SA4/SA1, GSMA, DiCOM, CTA, SMPTE, SCTE on extended market and practical considerations for Next Generation Video Coding | ISO/IEC JTC 1/SC 29/WG 2 | 9.3 |  | postponed |  |
| S4-250681 | [FS\_Beyond2D] Workplan V0.9 | China Mobile International Ltd | 9.7 |  | withdrawn |  |

**A.4 Other status than agreed documents (to be presented to SA4 plenary)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tdoc number** | **Title** | **Source** | **SWG Agenda Item** | **Replaced by** | **SWG Status** | **SA4 A.I. for Tdocs presented at SA4 plenary\*** |
| S4-250482 | [VOPS] Work Plan | Apple Inc. | 9.5 |  | - | 14.4 |
| S4-250676 | Draft TR 26.927 v1.1.0 | Tencent (Editor) | 9.6 |  | - | 15.3 |
| S4-250680 | [FS\_Beyond2D] TR 26.956 V0.4.0 | China Mobile International Ltd | 9.7 |  | - | 15.4 |
| S4-250710 | TS26.265v1.1.0 - Media Delivery: Video Capabilities and Operating Points | Qualcomm Technologies Int | 9.5 |  | - | 14.4 |
| S4-250719 | [FS\_Beyond2D]Permenant Document v0.0.8 | China Mobile International Ltd | 9.7 |  | - | 15.4 |
| S4-250720 | [FS\_Beyond2D] Permanent document on B2D format evaluation | Tencent | 9.7 |  | - | 15.4 |
| S4-250721 | Draft TR 26.819 v0.4.0 | InterDigital Canada | 9.8 |  | - | 15.5 |
| S4-250722 | Video SWG report during SA4#131-bis-e | VIDEO SWG Chair (Tencent) | - |  | - | 12.3 |

Pending documents

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| [S4-250586](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250586.zip) | LS to SC29 WG1 on JPEG AI Standard and TR 26.927 | Huawei, Hisilicon | 9.6 |  |  |  |
| [S4-250601](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250601.zip) | [VOPS] Pseudo-CR on Video Decoder API and System Integration updates | Xiaomi Technology (Polska) sp. | 9.5 |  |  |  |

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