**Source: SA4 MBS Chairman[[1]](#footnote-1)**

**Title: 3GPP SA4 MBS SWG report during SA4#133-e**

**Document for: Approval**

**Agenda item: 12.2**

MBS SWG Minutes SA4#133-e

## 8.1 Opening of the session, registration of documents

### 8.1.1 Opening of the session

Mr. Frédéric Gabin (Dolby, Chairman of MBS SWG) opens the sessions on July 21, 2025 at 15:00 CEST.

Thomas Stockhammer (Qualcomm), Julien Lemotheux (Orange) and Daniel Venmani (Nokia) are assigned as scribes.

The minutes are shared: [MBS SWG Minutes SA4#133-e](https://docs.google.com/document/d/1TXqr7j85DDYf5nsBsuyL2ntQKf59nLll6hjSToVngqw/edit?usp=sharing)

The attendance is tracked [here](https://portal.3gpp.org/Home.aspx#/meeting?MtgId=82860). Please register for meeting.

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

* <https://list.etsi.org/scripts/wa.exe?A1=ind2507C&L=3GPP_TSG_SA_WG4_MBS>
* <https://list.etsi.org/scripts/wa.exe?A1=ind2507D&L=3GPP_TSG_SA_WG4_MBS>

SA4 Schedule: [S4-251210](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251210.zip)

The agenda and the registration of documents are approved.

### 8.1.2 Registration of documents

|  |  |  |  |
| --- | --- | --- | --- |
| TDoc | Title | Source | Agenda item |
| [S4-251219](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251219.zip) | Target Service Area Data Type in Service Announcement | Ericsson LM | 8.7 |
| [S4-251220](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251220.zip) | [5MBP3] Update IANA MIME media type proforma | BBC | 8.4 |
| [S4-251221](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251221.zip) | [5MBP3] Update IANA MIME media type proforma | BBC | 8.4 |
| [S4-251223](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251223.zip) | [5GMS\_Pro\_Ph2] Uplink procedures alignment | BBC, Huawei | 8.4 |
| [S4-251224](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251224.zip) | [5GMS\_Pro\_Ph2] Rename dynamic policy data types | BBC | 8.4 |
| [S4-251225](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251225.zip) | [AMD\_PRO-MED, 5G\_RTP\_Ph2] Updated QoS mapping figures | BBC, Huawei, Nokia, Lenovo, InterDigital | 8.5 |
| [S4-251226](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251226.zip) | [AMD\_PRO-MED] WT1: JSON-based metrics report syntax and MIME type registration | BBC | 8.5 |
| S4-251227 | [AMD\_PRO-MED] Consolidated additions | BBC, Samsung, Dolby, Huawei, Nokia, Lenovo, InterDigital Communications | 8.5 |
| [S4-251228](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251228.zip) | [AMD\_PRO-MED] WT1: CMCD provisioning (M1), reporting (M3) and exposure (R5/R6) | BBC | 8.5 |
| S4-251229 | [AMD\_PRO-MED] Consolidated additions | BBC, Dolby, Samsung, Huawei, Qualcomm Incorporated | 8.5 |
| [S4-251232](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251232.zip) | [AMD\_PRO-MED] In-session Unicast Repair for MBMS Object Distribution | Qualcomm Incorporated | 8.5 |
| [S4-251233](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251233.zip) | [AMD\_PRO-MED] In-session Unicast Repair for MBS Object Distribution | Qualcomm Incorporated | 8.5 |
| [S4-251236](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251236.zip) | [AMD\_PRO-MED] Stage-3 Aspects of Multi-access Media Delivery | Samsung Electronics Co. Ltd., BBC, Nokia | 8.5 |
| [S4-251243](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251243.zip) | [AMD\_PRO-MED] Mapping of In-Session Object Repair and MBS Sessions | LG Electronics UK | 8.5 |
| [S4-251245](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251245.zip) | [AMD\_PRO-MED] Inband Session Repair for MBS and MBMS | Qualcomm Incorporated | 8.5 |
| [S4-251246](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251246.zip) | [MeME-MED] Proposed Work Plan | Qualcomm Incorporated | 8.6 |
| [S4-251247](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251247.zip) | [MeME-MED] Media Messaging Enhancements | Qualcomm Incorporated | 8.6 |
| [S4-251249](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251249.zip) | [AMD\_PRO-MED] DASH Instantiation and DRM Protocol Support | Qualcomm Sweden | 8.5 |
| [S4-251250](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251250.zip) | [AMD\_PRO-MED] Time Synchronization | Qualcomm Technologies Int | 8.5 |
| [S4-251267](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251267.zip) | Support of Improved QoS for media streaming services | Huawei, HiSilicon | 8.5 |
| [S4-251268](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251268.zip) | Stage 3 on Improved QoS Support for Media Streaming services | Huawei, HiSilicon | 8.5 |
| [S4-251274](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251274.zip) | [AMD\_PRO-MED] WT2: TS 26.512 technology-independent feature updates to enable media delivery from multiple service locations | Dolby Laboratories Inc. | 8.5 |
| [S4-251275](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251275.zip) | [AMD\_PRO-MED] WT2: TS 26.512 OpenAPI updates to enable media delivery from multiple service locations | Dolby Laboratories Inc. | 8.5 |
| [S4-251276](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251276.zip) | [AMD\_PRO-MED] WT2: TS 26.510 technology-independent feature updates to enable media delivery from multiple service locations | Dolby Laboratories Inc. | 8.5 |
| [S4-251277](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251277.zip) | [AMD\_PRO-MED] WT2: TS 26.510 OpenAPI updates to enable media delivery from multiple service locations | Dolby Laboratories Inc. | 8.5 |
| [S4-251278](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251278.zip) | [AMD\_PRO-MED] WT2: Alignment with TS 26.510 CR 0016 and TS 26.512 CR 0086 - M10u definition | Dolby Laboratories Inc. | 8.5 |
| S4-251280 | [AMD\_PRO-MED] WT2: Alignment with TS 26.512 CR 0091 - CMMF architecture and procedures mapping | Dolby Laboratories Inc. | 8.5 |
| [S4-251281](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251281.zip) | [AMD\_PRO-MED] WT2: Alignment with TS 26.512 CR 0091 - Multi-Source object coding architecture and procedures mapping | Dolby Laboratories Inc. | 8.5 |
| [S4-251282](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251282.zip) | [AMD\_PRO-MED] WT2: New annexes to specify use of CMMF within TS 26.512 | Dolby Laboratories Inc. | 8.5 |
| [S4-251285](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251285.zip) | [5GMS\_Pro\_Ph2] Rename dynamic policy data types | BBC, Nokia | 8.4 |
| S4-251316 | [AMD\_PRO-MED] Work Plan for WID on Stage-3 for Advanced Media Delivery | Qualcomm Incorporated | 8.5 |
| [S4-251317](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251317.zip) | [AMD\_PRO-MED] CMCD Configuration | Qualcomm Incorporated | 8.5 |
| [S4-251354](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251354.zip) | Aligning Stage 2 Session Announcement with Stage 3 on target service area | Ericsson LM | 8.7 |
| [S4-251370](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251370.zip) | [AMD\_PRO-MED] Support for multiple Service Locations in DASH | Qualcomm Incorporated | 8.5 |
| [S4-251384](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251384.zip) | [AMD\_PRO-MED] Stage-3 Aspects of Network Slicing | Samsung Electronics Co. Ltd | 8.5 |
| [S4-251406](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251406.zip) | [FS\_Energy\_Ph2\_MED] Additional use case 6.6 from TR 22.883 | Nokia | 8.8 |
| [S4-251407](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251407.zip) | [FS\_Energy\_Ph2\_MED] Description to new Key Issue #4: Application Server Energy Management measurement | Nokia | 8.8 |
| [S4-251461](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251461.zip) | [5GMS\_Pro\_Ph2] Uplink procedures alignment | BBC, Huawei | 8.4 |
| [S4-251462](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251462.zip) | [5GMS\_Pro\_Ph2] Rename dynamic policy data types | BBC, Nokia, Lenovo | 8.4 |
| [S4-251463](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251463.zip) | [AMD\_PRO-MED] WT1: JSON-based metrics report syntax and MIME type registration | BBC, Qualcomm Incorporated | 8.5 |
| [S4-251465](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251465.zip) | [AMD\_PRO-MED] WT1: CMCD provisioning (M1), reporting (M3) and exposure (R5/R6) | BBC | 8.5 |
| [S4-251482](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251482.zip) | Target Service Area Data Type in Service Announcement | Ericsson LM | 8.7 |
| S4-251485 | Support of Improved QoS for media streaming services | Huawei, HiSilicon, Ericsson | 8.5 |
| S4-251486 | [AMD\_PRO-MED] Stage-3 Aspects of Network Slicing | Samsung Electronics Co. Ltd | 8.5 |
| S4-251494 | Alignment CR for In-Session Unicast Repair | Qualcomm Incorporated | 8.7 |
| [S4-251497](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251497.zip) | [5GMS\_Pro\_Ph2] Rename dynamic policy data types | BBC, Nokia, Lenovo | 8.4 |
| [S4-251498](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251498.zip) | [5GMS\_Pro\_Ph2] Uplink procedures alignment | BBC, Huawei | 8.4 |
| S4-251502 | [AMD\_PRO-MED] Multiple Service Locations with DASH | Qualcomm Incorporated | 8.5 |
| S4-251504 | [AMD\_PRO-MED] Stage-3 Aspects of Multi-access Media Delivery | Samsung Electronics Co. Ltd., BBC, Nokia | 8.5 |
| S4-251505 | [AMD\_PRO-MED] WT2: TS 26.510 technology-independent feature updates to enable media delivery from multiple service locations | Dolby Laboratories Inc. | 8.5 |
| S4-251506 | [AMD\_PRO-MED] WT2: TS 26.512 technology-independent feature updates to enable media delivery from multiple service locations | Dolby Laboratories Inc. | 8.5 |
| S4-251507 | [AMD\_PRO-MED] DASH Instantiation and DRM Protocol Support | Qualcomm Incorporated | 8.5 |
| S4-251508 | [AMD\_PRO-MED] WT2: New annexes to specify use of CMMF within TS 26.512 | Dolby Laboratories Inc. | 8.5 |
| S4-251509 | [AMD\_PRO-MED] In-session Unicast Repair for MBMS Object Distribution | Qualcomm Incorporated | 8.5 |
| S4-251510 | [AMD\_PRO-MED] In-session Unicast Repair for MBS Object Distribution | Qualcomm Incorporated, BBC, LG Electronics, Inc. | 8.5 |
| S4-251511 | [AMD\_PRO-MED] Time Synchronization | Qualcomm Incorporated, BBC | 8.5 |
| [S4-251512](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251512.zip) | Stage 3 on Improved QoS Support for Media Streaming services | Huawei, HiSilicon | 8.5 |

## 8.2 IPR, antitrust reminder, and Consensus principles reminder

The chairman read the antitrust, IPR clause, and Consensus principles reminder

*"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."*

*“I also draw your attention to the fact that 3GPP endeavours to reach consensus on all decisions and therefore depends on a cooperative spirit of the Individual Members. In particular, Individual Members are encouraged to seek a consensus-based solution and only to sustain objections as a very last resort, and where absolutely necessary and well justified. The leadership will conduct the present meeting in a manner whereby informal methods of reaching consensus are encouraged, whilst ensuring that well justified concerns are taken into account.”*

## 8.3 Reports/Liaisons from other groups/meetings

### 8.3.1 Incoming LSs

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| --- | --- |
| TDoc | [S4-251459](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251459.zip) |
| Title | Reply to Request for LS on Transport protocol configuration for media streaming |
| Source | SVTA |
| Contact | Andrijana Brekalo |
| Agenda Item | 8.3 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes | Presented by Prakash.   * Prakash: We used the offline to discuss it regarding other papers. We don’t plan to respond. * Thomas: This is good information. It is OK to note. * Daniel: About the last sentence of clause 1. Is it relevant to mention L4S?   + Thomas: Good question. SVTA will not solve the availability of the API. But they can express requirements to browsers. |
| Disposition | Noted. There might be future developments. |
| Status | noted |

### 8.3.2 Proposed Responses

No documents.

## 8.4 Release 18 and earlier matters

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| TDoc | [S4-251220](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251220.zip) |
| Title | [5MBP3] Update IANA MIME media type proforma |
| Source | BBC |
| Contact | Richard Bradbury |
| Agenda Item | 8.4 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:37:35 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;64b74245.2507c)  [Thomas Stockhammer on Fri, 18 Jul 2025 12:35:16 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5e312b6b.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:17:12 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a0bba9c.2507c) |
| Revisions | No revisions available. |
| Minutes | Not presented. |
| Disposition | 1220&1221 are agreed via e-mail. |
| Status | agreed |

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| --- | --- |
| TDoc | [S4-251221](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251221.zip) |
| Title | [5MBP3] Update IANA MIME media type proforma |
| Source | BBC |
| Contact | Richard Bradbury |
| Agenda Item | 8.4 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:37:35 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;64b74245.2507c)  [Thomas Stockhammer on Fri, 18 Jul 2025 12:35:16 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5e312b6b.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:17:12 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a0bba9c.2507c) |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition | 1220&1221 are agreed via e-mail. |
| Status | agreed |

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| TDoc | [S4-251223](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251223.zip) |
| Title | [5GMS\_Pro\_Ph2] Uplink procedures alignment |
| Source | BBC, Huawei |
| Contact | Richard Bradbury |
| Agenda Item | 8.4 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:37:44 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f6c489a3.2507c)  [Thomas Stockhammer on Fri, 18 Jul 2025 12:46:58 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;57319422.2507c)  [Richard Bradbury on Mon, 21 Jul 2025 11:35:45 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c1d16b18.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:18:51 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9fe152d1.2507c) |
| Revisions | [S4-251223r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251223r01.docx) |
| Minutes | r01 version taking into consideration comments via email presented by Richard.  No additional comment. |
| Disposition | From e-mail: 1223r01 seems agreeable. Let’s confirm during the call and revise it.  **Revised to S4-251461**. The revision is agreed without presentation. |
| Status | **revised to S4-251461** |

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| --- | --- |
| TDoc | [S4-251461](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251461.zip) |
| Title | [5GMS\_Pro\_Ph2] Uplink procedures alignment |
| Source | BBC, Huawei |
| Contact | Richard Bradbury |
| Agenda Item | 8.4 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | [S4-251461r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251461r01.docx) |
| Minutes | Reopened on request from Richard.  r01 version presented by Richard.   * Richard: The goal is to go back to release 18. |
| Disposition | Revised to S4-251498. The revision is agreed without presentation. |
| Status | **revised to S4-251498** |

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| TDoc | [S4-251498](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251498.zip) |
| Title | [5GMS\_Pro\_Ph2] Uplink procedures alignment |
| Source | BBC, Huawei |
| Contact | Richard Bradbury |
| Agenda Item | 8.4 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreedPlenary |

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| TDoc | [S4-251224](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251224.zip) |
| Title | [5GMS\_Pro\_Ph2] Rename dynamic policy data types |
| Source | BBC |
| Contact | Richard Bradbury |
| Agenda Item | 8.4 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes | Not presented. |
| Disposition | **Revised to S4-251285** |
| Status | **revised to S4-251285** |

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| --- | --- |
| TDoc | [S4-251285](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251285.zip) |
| Title | [5GMS\_Pro\_Ph2] Rename dynamic policy data types |
| Source | BBC, Nokia |
| Contact | Richard Bradbury |
| Agenda Item | 8.4 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:37:55 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;117d7d07.2507c)  [Gabin, Frederic on Fri, 18 Jul 2025 07:46:49 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;79453d09.2507c)  [Serhan Guel (Nokia) on Fri, 18 Jul 2025 07:48:46 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;27f28a7c.2507c)  [Richard Bradbury on Mon, 21 Jul 2025 11:38:40 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3c771855.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:19:50 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b30755eb.2507c)  [Richard Bradbury on Tue, 22 Jul 2025 21:06:15 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fa30fe4d.2507d) |
| Revisions | [S4-251285\_Nokia.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251285_Nokia.docx)  [S4-251285r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251285r01.docx) |
| Minutes | r01 version taking into consideration comments via email presented by Richard.  No additional comment. |
| Disposition | From e-mail: 1285r01 seems agreeable. Let’s confirm during the call and revise it.  **Revised to S4-251462.** |
| Status | **revised to S4-251462** |

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| TDoc | [S4-251462](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251462.zip) |
| Title | [5GMS\_Pro\_Ph2] Rename dynamic policy data types |
| Source | BBC, Nokia, Lenova |
| Contact | Richard Bradbury |
| Agenda Item | 8.4 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | [S4-251462r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251462r01.docx) |
| Minutes | Reopened on request from Richard.  r01 version presented by Richard.   * Richard: I just added the 2 API updates. |
| Disposition | Revised to S4-251497 according to r01 version + rev marks in the cover page accepted. The revision will be agreed without presentation. |
| Status | **revised to S4-251497** |

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| TDoc | [S4-251497](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251497.zip) |
| Title | [5GMS\_Pro\_Ph2] Rename dynamic policy data types |
| Source | BBC, Nokia, Lenovo |
| Contact | Richard Bradbury |
| Agenda Item | 8.4 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreedPlenary |

## 8.5 AMD\_PRO-MED (Stage 3 for Advanced Media Delivery)

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| TDoc | [S4-251225](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251225.zip) |
| Title | [AMD\_PRO-MED, 5G\_RTP\_Ph2] Updated QoS mapping figures |
| Source | BBC, Huawei, Nokia, Lenovo, InterDigital |
| Contact | Richard Bradbury |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:38:04 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7a1f924d.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:21:09 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8467ef2e.2507c) |
| Revisions | No revisions available. |
| Minutes | Not presented. |
| Disposition | 1225 is agreed by MBS SWG via emails.  Will be discussed with RTC SWG. |
| Status | agreed |

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| TDoc | [S4-251226](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251226.zip) |
| Title | [AMD\_PRO-MED] WT1: JSON-based metrics report syntax and MIME type registration |
| Source | BBC |
| Contact | Richard Bradbury |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:38:12 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;73e39949.2507c)  [Thomas Stockhammer on Fri, 18 Jul 2025 14:48:07 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ab48bae6.2507c)  [Richard Bradbury on Mon, 21 Jul 2025 11:29:19 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c2dcb93e.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:23:34 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;923525be.2507c)  [Thomas Stockhammer on Mon, 21 Jul 2025 12:13:57 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e520bd52.2507c) |
| Revisions | [S4-251226\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251226_QCOM.docx)  [S4-251226r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251226r01.docx) |
| Minutes | From e-mail:   * 1226r01 seems agreeable. Let’s confirm during the call and revise it. * Thomas: I checked r01 and we are ok. Qualcomm Incorporated can be added as co-signer. |
| Disposition | Revised to S4-251463 based on r01 + co-signer added. The revision will be agreed without presentation. |
| Status | **revised to S4-251463** |

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| TDoc | [S4-251463](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251463.zip) |
| Title | [AMD\_PRO-MED] WT1: JSON-based metrics report syntax and MIME type registration |
| Source | BBC, Qualcomm Incorporated |
| Contact | Richard Bradbury |
| Agenda Item | 8.5 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes | See S4-251226. |
| Disposition | Agreed without presentation. |
| Status | agreed |

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| TDoc | [S4-251227](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251227.zip) |
| Title | [AMD\_PRO-MED] Consolidated additions |
| Source | BBC, Samsung, Dolby, Huawei, Nokia, Lenovo, InterDigital Communications |
| Contact | Richard Bradbury |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | reserved |

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| TDoc | [S4-251228](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251228.zip) |
| Title | [AMD\_PRO-MED] WT1: CMCD provisioning (M1), reporting (M3) and exposure (R5/R6) |
| Source | BBC |
| Contact | Richard Bradbury |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:38:18 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3faec181.2507c)  [Thomas Stockhammer on Fri, 18 Jul 2025 14:49:56 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b1525c2d.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:25:38 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9e1caa57.2507c)  [Richard Bradbury on Tue, 22 Jul 2025 10:05:47 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a663702c.2507d)  [Thomas Stockhammer on Tue, 22 Jul 2025 10:24:17 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;85a238.2507d) |
| Revisions | [S4-251228r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251228r01.docx) |
| Minutes | From e-mail: We will take 1228 and 1317 together during the call. Note that 1317 proposes to accept 1228 as baseline.  Online minutes available in 1317. |
| Disposition | Presented by Richard.  **Revised to S4-251465.** |
| Status | **revised to S4-251465** |

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| TDoc | [S4-251465](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251465.zip) |
| Title | [AMD\_PRO-MED] WT1: CMCD provisioning (M1), reporting (M3) and exposure (R5/R6) |
| Source | BBC |
| Contact | Richard Bradbury |
| Agenda Item | 8.5 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes | Presented by Richard.   * Thomas: Do you want to get it agreed?   + Richard: No, endorsement. * Thomas: I was hoping if QC could be co-signing.   + Richard: if we could agree on the client API, then it would work. |
| Disposition | Endorsed. |
| Status | endorsed |

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| TDoc | [S4-251229](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251229.zip) |
| Title | [AMD\_PRO-MED] Consolidated additions |
| Source | BBC, Dolby, Samsung, Huawei, Qualcomm Incorporated |
| Contact | Richard Bradbury |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | reserved |

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| TDoc | [S4-251232](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251232.zip) |
| Title | [AMD\_PRO-MED] In-session Unicast Repair for MBMS Object Distribution |
| Source | Qualcomm Incorporated |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:39:24 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;24d64f49.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 09:02:23 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;569ec32e.2507c)  [Thomas Stockhammer on Fri, 18 Jul 2025 16:22:13 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5142b47a.2507c)  [Thorsten Lohmar on Mon, 21 Jul 2025 07:48:19 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6f3d0a5d.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:39:16 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;532b33d8.2507c)  [Thomas Stockhammer on Mon, 21 Jul 2025 12:46:11 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5f73e94e.2507c)  [Thomas Stockhammer on Tue, 22 Jul 2025 07:58:05 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1b4d1b50.2507d)  [Richard Bradbury on Tue, 22 Jul 2025 23:04:23 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6d750042.2507d)  [Thomas Stockhammer on Wed, 23 Jul 2025 05:39:21 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2322c1be.2507d)  [Richard Bradbury on Wed, 23 Jul 2025 09:53:43 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;892e7ce5.2507d)  [Richard Bradbury on Wed, 23 Jul 2025 10:04:50 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e1eacafb.2507d) |
| Revisions | [S4-251232\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251232_BBC.docx)  [S4-251232r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251232r01.docx)  [S4-251232r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251232r02.docx)  [S4-251232r02\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251232r02_BBC.docx) |
| Minutes | r02 version presented by Thomas.   * Thomas: I think the “Expires” is wrong and having this as a string is inconsistent. We need to check this.   + Thorsten: The FLUTE RFC is broken. I suspect in the context of the fixing for MBMS, we may have introduced the “Expires”.   r03 version presented by Thomas.   * Thomas: Some comments still need to be fixed. * Thorsten: Sorry, I didn’t have time to check if the Expire is a bug or not. * Frederic: We can’t request SA4 to have the power to agree CR on AMD\_PRO-MED with pre-allocated numbers. We could use bulk TDoc numbers without names to be able to do revision. |
| Disposition | Revised to S4-251509. The revision will be endorsed without presentation. |
| Status | **revised to S4-251509** |

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| TDoc | [S4-251509](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251509.zip) |
| Title | [AMD\_PRO-MED] In-session Unicast Repair for MBMS Object Distribution |
| Source | Qualcomm Incorporated |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | endorsed |

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| TDoc | [S4-251233](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251233.zip) |
| Title | [AMD\_PRO-MED] In-session Unicast Repair for MBS Object Distribution |
| Source | Qualcomm Incorporated |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:39:29 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;33fc8f8f.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 09:03:20 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d89bdec5.2507c)  [Thomas Stockhammer on Fri, 18 Jul 2025 16:53:43 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8e6012b9.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:40:55 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c754c7b7.2507c)  [Thomas Stockhammer on Tue, 22 Jul 2025 08:10:55 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2ea4e8d6.2507d)  [Richard Bradbury on Tue, 22 Jul 2025 15:23:31 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3dd98fab.2507d)  [Richard Bradbury on Tue, 22 Jul 2025 22:51:25 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c41a1e61.2507d)  [Thomas Stockhammer on Wed, 23 Jul 2025 12:35:41 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2f28e6d2.2507d)  [Thomas Stockhammer on Thu, 24 Jul 2025 05:37:13 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ede3b903.2507d) |
| Revisions | [S4-251233\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251233_BBC.docx)  [S4-251233r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251233r01.docx)  [S4-251233r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251233r02.docx)  [S4-251233r02\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251233r02_BBC.docx)  [S4-251233r02\_BBC\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251233r02_BBC_BBC.docx)  [S4-251233r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251233r03.docx) |
| Minutes | r02\_BBC version presented by Thomas.   * Richard: Do you think you can have both or it is mutually exclusive?   + Thomas: I think you can have both. * I will produce a revision adding LG and BBC as co-signers.   r03 version presented by Thomas.   * Thomas: It merged with 1243. |
| Disposition | Revised to S4-251510. The revision will be endorsed without presentation. |
| Status | **revised to S4-251510** |

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| TDoc | [S4-251510](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251510.zip) |
| Title | [AMD\_PRO-MED] In-session Unicast Repair for MBS Object Distribution |
| Source | Qualcomm Incorporated, BBC, LG Electronics, Inc. |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | endorsed |

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| TDoc | [S4-251236](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251236.zip) |
| Title | [AMD\_PRO-MED] Stage-3 Aspects of Multi-access Media Delivery |
| Source | Samsung Electronics Co. Ltd., BBC, Nokia |
| Contact | Prakash Kolan |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:39:15 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;604a06c9.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 08:57:42 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;73986e31.2507c)  [Prakash Kolan on Sun, 20 Jul 2025 16:42:04 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;53d41ef1.2507c)  [Thomas Stockhammer on Mon, 21 Jul 2025 06:44:14 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;876e2ded.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:36:38 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b3cac283.2507c)  [Prakash Kolan on Mon, 21 Jul 2025 13:25:41 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;31b358f2.2507c)  [Prakash Kolan on Mon, 21 Jul 2025 23:00:34 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e0c09884.2507d)  [Thomas Stockhammer on Tue, 22 Jul 2025 11:19:16 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b8aae835.2507d)  [Prakash Kolan on Tue, 22 Jul 2025 13:07:46 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1eed8ac2.2507d)  [Thomas Stockhammer on Tue, 22 Jul 2025 14:08:05 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f3bd86bc.2507d)  [Prakash Kolan on Tue, 22 Jul 2025 19:10:30 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7a9717a8.2507d)  [Richard Bradbury on Tue, 22 Jul 2025 21:52:49 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5c163c4d.2507d)  [Prakash Kolan on Wed, 23 Jul 2025 03:52:37 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5aab7aec.2507d)  [Thomas Stockhammer on Wed, 23 Jul 2025 07:29:56 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b61019d0.2507d)  [Prakash Kolan on Wed, 23 Jul 2025 12:58:20 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a45106a1.2507d) |
| Revisions | [S4-251236\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251236_BBC.docx)  [S4-251236\_BBC\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251236_BBC_QCOM.docx)  [S4-251236\_BBC\_QCOM\_Samsung.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251236_BBC_QCOM_Samsung.docx)  [S4-251236r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251236r01.docx)  [S4-251236r01\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251236r01_QCOM.docx)  [S4-251236r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251236r02.docx)  [draft-S4-251236r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/draft-S4-251236r03.docx)  [draft-S4-251236r04.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/draft-S4-251236r04.docx)  [draft-S4-251236r03\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/draft-S4-251236r03_BBC.docx)  [S4-251236r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251236r03.docx)  [S4-251236r03\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251236r03_BBC.docx)  [S4-251236r03\_BBC\_BBC\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251236r03_BBC_BBC_QCOM.docx)  [S4-251236r04.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251236r04.docx) |
| Minutes | r02 version presented by Prakash.   * Thomas: Is this Multi-Access or Multi-Path? We have done nothing for MA. It speaks only about MP. And secondly, what we have achieved now is to limit the number of paths in MP. And what are doing on top of that a lower layer could use it.   + Prakash: this mix of MA and MP comes from SA2. there would be a single signal coming from the MAF to enable MP or not and that would be sufficient to get this achieved.   + Thomas: How can I prove that there work done for MA?   + Prakash: That would be the next step.   + Richard: From an application perspective what the application can control in terms of MP is what we have done here and then how the UE connects to MA is not really addressed here yet. We could change the title to say MP instead of MA.   + Prakash: I agree and this is the starting point to address these issues.   + Thomas: ok could we add a note stating this explicitly somewhere?   + Prakash: That should be fine   r04 version presented by Prakash.   * Thomas: Why do we add these specific things about multi paths? The procedures don't change if we do multi-path or not. By no means there can be a “shall” on the media player. There is no way to make that workable.   + Richard: Yes, it is going too far. But we have to do something. More work is needed. * Richard: We did add QUIC to this and to the previous release. So, we explicitly say that. Same for MPTCP. That said, everything is optional. * Thomas: I am more concerned what we are doing here. We don’t talk about about protocols here. The configurations should not change if it is Multipath or not. We cannot force the media player to use mutli-path. * Richard: I agree that media player cannot use multi-path. What we do in service URL should be possible to be done is client API as well. So may be we should try changing shall to may and we should not lose what we have done so far. * Thomas: I am happy to endorse this. |
| Disposition | Revised to 1504. The revision will be endorsed. |
| Status | **revised to S4-251504** |

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| TDoc | [S4-251504](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251504.zip) |
| Title | [AMD\_PRO-MED] Stage-3 Aspects of Multi-access Media Delivery |
| Source | Samsung Electronics Co. Ltd., BBC, Nokia |
| Contact | Prakash Kolan |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | endorsed |

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| TDoc | [S4-251243](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251243.zip) |
| Title | [AMD\_PRO-MED] Mapping of In-Session Object Repair and MBS Sessions |
| Source | LG Electronics UK |
| Contact | Jeeyoung Kim |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:39:33 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;330b6df2.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 09:05:15 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;57b0c10e.2507c)  [jeeyoung on Fri, 18 Jul 2025 23:11:46 +0900](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c5be781f.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 16:33:49 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f046b5d9.2507c)  [jeeyoung on Sat, 19 Jul 2025 09:51:08 +0900](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;75348bb.2507c)  [Thomas Stockhammer on Mon, 21 Jul 2025 04:08:36 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fb55e685.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:47:53 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dbcfd685.2507c)  [jeeyoung on Tue, 22 Jul 2025 00:21:13 +0900](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fc487714.2507c)  [Thomas Stockhammer on Tue, 22 Jul 2025 11:34:32 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;44d12fd3.2507d)  [jeeyoung on Tue, 22 Jul 2025 21:18:08 +0900](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6cca7f58.2507d)  [Thomas Stockhammer on Tue, 22 Jul 2025 12:41:46 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;544e4e2d.2507d)  [jeeyoung on Tue, 22 Jul 2025 22:37:37 +0900](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f8933243.2507d) |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition | Merged into a revision of S4-251233. |
| Status | merged |

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| TDoc | [S4-251245](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251245.zip) |
| Title | [AMD\_PRO-MED] Inband Session Repair for MBS and MBMS |
| Source | Qualcomm Incorporated |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:39:38 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7f35cd17.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:48:25 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f03f4d5c.2507c) |
| Revisions | No revisions available. |
| Minutes | Not presented. |
| Disposition | Noted via email. |
| Status | noted |

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| TDoc | [S4-251249](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251249.zip) |
| Title | [AMD\_PRO-MED] DASH Instantiation and DRM Protocol Support |
| Source | Qualcomm Sweden |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:39:20 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dc0009aa.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 08:59:58 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2d8c4fc5.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:37:47 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7d639321.2507c)  [Thomas Stockhammer on Mon, 21 Jul 2025 12:43:58 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ab1eac00.2507c)  [Iraj Sodagar on Tue, 22 Jul 2025 16:11:32 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e184c690.2507d)  [Richard Bradbury on Tue, 22 Jul 2025 18:27:45 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ad577e01.2507d)  [Thomas Stockhammer on Wed, 23 Jul 2025 06:30:55 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e16c7459.2507d)  [Richard Bradbury on Wed, 23 Jul 2025 09:59:41 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;13282e41.2507d)  [Thomas Stockhammer on Wed, 23 Jul 2025 09:18:34 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e9549fc2.2507d)  [Richard Bradbury on Wed, 23 Jul 2025 10:50:19 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e7a3a176.2507d)  [Thomas Stockhammer on Wed, 23 Jul 2025 10:06:12 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;89233798.2507d)  [Rufael Mekuria on Wed, 23 Jul 2025 10:23:49 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e13b732a.2507d)  [Thomas Stockhammer on Wed, 23 Jul 2025 10:32:23 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;895ae870.2507d)  [Rufael Mekuria on Wed, 23 Jul 2025 10:33:24 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;34b1f303.2507d) |
| Revisions | [S4-251249\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251249_BBC.docx)  [S4-251249r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251249r01.docx)  [S4-251249r01-Dolby.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251249r01-Dolby.docx)  [S4-251249r01\_Dolby\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251249r01_Dolby_BBC.docx)  [S4-251249r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251249r02.docx)  [S4-251249r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251249r03.docx)  [S4-251249r03\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251249r03_BBC.docx)  [S4-251249r04.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251249r04.docx) |
| Minutes | r01 version presented by Thomas.   * Iraj: For the Content preparation template, is that required or optional?   + Thomas: I don’t know. I can change the text, let me know what you want to do.   + Iraj: OK. We just need to be clear what this needs to be, under clause G3.2 * Richard: In G.3.4, maybe we can add a note adding file format is for further work. The lack of file format means there is no interoperability. * Iraj: it is provided by the service provider. Maybe we say, ‘if’ we use the DRM for content preparation, ‘then’ we do it this way.   r04 version presented by Thomas.   * Richard: This is in an agreeable state. We would just have to remove changes over changes.   + Frederic: Let’s agree this and the merged with be managed at plenary level. |
| Disposition | Revised. The revision will be agreed without presentation. |
| Status | **revised to S4-251507** |

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| TDoc | [S4-251507](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251507.zip) |
| Title | [AMD\_PRO-MED] DASH Instantiation and DRM Protocol Support |
| Source | Qualcomm Incorporated |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-251250](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251250.zip) |
| Title | [AMD\_PRO-MED] Time Synchronization |
| Source | Qualcomm Technologies Int |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:39:44 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;47f5c374.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 09:08:23 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a1eda995.2507c)  [Thorsten Lohmar on Mon, 21 Jul 2025 07:27:11 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f9b4c7c1.2507c)  [Richard Bradbury on Mon, 21 Jul 2025 10:06:58 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3696a4c5.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:49:40 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;20d5415.2507c)  [Thorsten Lohmar on Mon, 21 Jul 2025 12:54:18 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4c8b0c0c.2507c)  [Thomas Stockhammer on Mon, 21 Jul 2025 13:21:08 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9252e5ac.2507c)  [Thomas Stockhammer on Wed, 23 Jul 2025 08:18:30 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;eeecf00f.2507d)  [Richard Bradbury on Wed, 23 Jul 2025 11:07:43 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;feab909b.2507d)  [Thomas Stockhammer on Wed, 23 Jul 2025 10:32:49 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6166e3b3.2507d)  [Richard Bradbury on Wed, 23 Jul 2025 12:05:44 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;72c4f467.2507d) |
| Revisions | [S4-251250\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251250_BBC.docx)  [S4-251250r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251250r01.docx)  [S4-251250r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251250r02.docx)  [S4-251250r02\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251250r02_BBC.docx)  [S4-251250r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251250r03.docx) |
| Minutes | r01 version presented by Thomas.   * Thomas: I need to carefully read it one more time.   r03 version presented by Thomas.   * Thomas: We will have to be careful during the merge of the CR as we have overlap.   + Richard: The change is not overlapping with the other one. |
| Disposition | Revised according to r03 version. The revision will be agreed without presentation. |
| Status | **revised to S4-251511** |

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| TDoc | [S4-251511](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251511.zip) |
| Title | [AMD\_PRO-MED] Time Synchronization |
| Source | Qualcomm Incorporated, BBC |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

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| TDoc | [S4-251267](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251267.zip) |
| Title | Support of Improved QoS for media streaming services |
| Source | Huawei, HiSilicon |
| Contact | Qi Pan |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:39:48 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;17663cc2.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 09:10:15 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e498e38a.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:51:17 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3bb3a3.2507c)  [panqi (E) on Mon, 21 Jul 2025 12:32:31 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2d86f5ba.2507c)  [panqi (E) on Tue, 22 Jul 2025 10:31:07 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c50d6a4f.2507d)  [Richard Bradbury on Tue, 22 Jul 2025 15:34:54 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;391c46a.2507d) |
| Revisions | [S4-251267\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251267_BBC.docx)  [S4-251267r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251267r01.docx)  [S4-251267r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251267r02.docx)  [S4-251267r02\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251267r02_BBC.docx) |
| Minutes | r02\_BBC\_BBC version presented by Qi.   * Thorsten: It would be good to add Ericsson as co-signer.   + Qi: OK |
| Disposition | **Revised to S4-251485** according to r02\_BBC\_BBC version + Ericsson as co-signer and changes over changes removed. The revision will be agreed without presentation. It could be merged in a big CR later. |
| Status | **revised to S4-251485** |

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| TDoc | [S4-251485](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251485.zip) |
| Title | Support of Improved QoS for media streaming services |
| Source | Huawei, HiSilicon, Ericsson |
| Contact | Qi Pan |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes | Revision of S4-251267. |
| Disposition | Agreed without presentation. |
| Status | agreed |

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| TDoc | [S4-251268](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251268.zip) |
| Title | Stage 3 on Improved QoS Support for Media Streaming services |
| Source | Huawei, HiSilicon |
| Contact | Qi Pan |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:39:52 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d8da5b0f.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 09:17:44 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;14d56528.2507c)  [Thorsten Lohmar on Mon, 21 Jul 2025 07:33:19 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9b00b0fc.2507c)  [Richard Bradbury on Mon, 21 Jul 2025 10:15:13 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7eee8e2.2507c)  [panqi (E) on Mon, 21 Jul 2025 09:23:32 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7cb04dd4.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:59:07 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b3353076.2507c)  [Richard Bradbury on Mon, 21 Jul 2025 13:12:56 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dad0c383.2507c)  [Thorsten Lohmar on Mon, 21 Jul 2025 13:51:54 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b1be8567.2507c)  [Richard Bradbury on Mon, 21 Jul 2025 19:23:29 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1c842c51.2507c)  [panqi (E) on Tue, 22 Jul 2025 10:29:45 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b6e27b03.2507d)  [panqi (E) on Wed, 23 Jul 2025 01:23:12 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6318bf63.2507d)  [panqi (E) on Wed, 23 Jul 2025 08:54:12 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ea446359.2507d)  [Richard Bradbury on Wed, 23 Jul 2025 10:41:29 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;913ad221.2507d)  [panqi (E) on Wed, 23 Jul 2025 11:23:35 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a019cf72.2507d)  [Thorsten Lohmar on Wed, 23 Jul 2025 12:07:51 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;99b341e7.2507d)  [panqi (E) on Wed, 23 Jul 2025 14:41:45 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f9000fe1.2507d)  [Gabin, Frederic on Wed, 23 Jul 2025 14:47:09 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fe0772f7.2507d)  [Richard Bradbury on Wed, 23 Jul 2025 20:23:14 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;644ddb72.2507d)  [panqi (E) on Thu, 24 Jul 2025 06:46:11 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;cc31ac90.2507d)  [Gabin, Frederic on Thu, 24 Jul 2025 11:19:38 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;caa8de56.2507d) |
| Revisions | [S4-251268r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251268r01.docx)  [S4-251268r01\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251268r01_BBC.docx)  [S4-251268r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251268r02.docx)  [S4-251268r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251268r03.docx)  [S4-251268r03\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251268r03_BBC.docx)  [S4-251268r04.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251268r04.docx) |
| Minutes | r02 version presented by Qi.   * Thorsten: It is probably better to indicate the error from the PCF as binary. It sounds simpler than these partial activations. * Richard: “500 (internal server error)” code is not right because in practice we do not get this error at all.   r04 version not presented due to lack of time. |
| Disposition | Revised. The revision will be circulated for email agreement. |
| Status | **revised to S4-251512** |

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| TDoc | [S4-251512](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251512.zip) |
| Title | Stage 3 on Improved QoS Support for Media Streaming services |
| Source | Huawei, HiSilicon |
| Contact | Qi Pan |
| Agenda Item | 8.5 |
| E-mail Discussion | [panqi (E) on Wed, 23 Jul 2025 14:41:45 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f9000fe1.2507d)  [Gabin, Frederic on Wed, 23 Jul 2025 14:47:09 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fe0772f7.2507d)  [Richard Bradbury on Wed, 23 Jul 2025 20:23:14 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;644ddb72.2507d)  [panqi (E) on Thu, 24 Jul 2025 06:46:11 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;cc31ac90.2507d)  [Gabin, Frederic on Thu, 24 Jul 2025 11:19:38 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;caa8de56.2507d) |
| Revisions | No revisions available. |
| Minutes | 1512 is agreed but needs a revision to a new Tdoc number to clean up |
| Disposition | Revised to 1552 which is then agreed. |
| Status | available |

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| TDoc | [S4-251274](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251274.zip) |
| Title | [AMD\_PRO-MED] WT2: TS 26.512 technology-independent feature updates to enable media delivery from multiple service locations |
| Source | Dolby Laboratories Inc. |
| Contact | Jason Cloud |
| Agenda Item | 8.5 |
| E-mail Discussion | [Cloud, Jason on Wed, 16 Jul 2025 20:03:38 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e33d786f.2507c)  [Gabin, Frederic on Fri, 18 Jul 2025 07:38:38 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;53b032aa.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 08:49:53 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dd9cc7d3.2507c)  [Cloud, Jason on Sat, 19 Jul 2025 21:00:14 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f3ddd45e.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:28:49 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;97d835b0.2507c)  [Cloud, Jason on Tue, 22 Jul 2025 04:20:30 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c0bf55b9.2507d)  [Cloud, Jason on Wed, 23 Jul 2025 01:27:34 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e2414f46.2507d)  [Richard Bradbury on Wed, 23 Jul 2025 12:34:21 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4cd0bf15.2507d) |
| Revisions | [S4-251274r01.zip](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251274r01.zip)  [S4-251274r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251274r01.docx)  [S4-251274\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251274_BBC.docx)  [S4-251274r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251274r02.docx)  [S4-251274r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251274r03.docx)  [S4-251274r04.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251274r04.docx)  [S4-251274r04\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251274r04_BBC.docx) |
| Minutes | r02 version presented by Jason.   * Thomas: This one needs a dependency to stage 2 agreement in the cover page.   + Frederic: Yes, 26.501 is missing.   r04\_BBC version presented by Jason.   * Richard: This seems great. * Thomas: Why is there a requirement to make these protocols 10.3.A.1.   + Jason: In content distribution, we use URL for identification.   + Thomas: We do not use URLs, we use TAGs. And there are too many “shalls”.   + Jason: I will try to make them “may”.   + Richard: I think we shouldn’t confuse the concrete and abstract. Do you define the concept of service location?   + Jason: yeah it is done, in 501. But not here. |
| Disposition | Revised. r04\_BBC is endorsed with brackets. |
| Status | **revised to S4-251506** |

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| TDoc | [S4-251506](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251506.zip) |
| Title | [AMD\_PRO-MED] WT2: TS 26.512 technology-independent feature updates to enable media delivery from multiple service locations |
| Source | Dolby Laboratories Inc. |
| Contact | Jason Cloud |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | endorsed |

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| TDoc | [S4-251275](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251275.zip) |
| Title | [AMD\_PRO-MED] WT2: TS 26.512 OpenAPI updates to enable media delivery from multiple service locations |
| Source | Dolby Laboratories Inc. |
| Contact | Jason Cloud |
| Agenda Item | 8.5 |
| E-mail Discussion |  |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | withdrawn |

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| TDoc | [S4-251276](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251276.zip) |
| Title | [AMD\_PRO-MED] WT2: TS 26.510 technology-independent feature updates to enable media delivery from multiple service locations |
| Source | Dolby Laboratories Inc. |
| Contact | Jason Cloud |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:38:49 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4b91b459.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 08:52:59 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e932682d.2507c)  [Cloud, Jason on Sat, 19 Jul 2025 21:02:44 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;87e6dfa2.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:31:54 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c1bed762.2507c)  [Richard Bradbury on Tue, 22 Jul 2025 14:23:41 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dd0dd949.2507d)  [Cloud, Jason on Tue, 22 Jul 2025 19:35:14 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2ff61d0d.2507d) |
| Revisions | [S4-251276r01.zip](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251276r01.zip)  [S4-251276\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251276_BBC.docx)  [S4-251276r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251276r02.docx)  [S4-251276r02\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251276r02_BBC.docx) |
| Minutes | r02 version presented by Jason.   * Richard: It requires more though.   + Jason: I agree this is a little bit tricky. * Frederic: Can we revise and then note?   + Richard: Yes.   + Jason: I prefer to endorse. We can work via email and endorse without presentation. |
| Disposition | Revised. The revision will be endorsed with some modifications via email exchanges. |
| Status | **revised to S4-251505** |

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| TDoc | [S4-251505](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251505.zip) |
| Title | [AMD\_PRO-MED] WT2: TS 26.510 technology-independent feature updates to enable media delivery from multiple service locations |
| Source | Dolby Laboratories Inc. |
| Contact | Jason Cloud |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | endorsed |

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| TDoc | [S4-251277](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251277.zip) |
| Title | [AMD\_PRO-MED] WT2: TS 26.510 OpenAPI updates to enable media delivery from multiple service locations |
| Source | Dolby Laboratories Inc. |
| Contact | Jason Cloud |
| Agenda Item | 8.5 |
| E-mail Discussion | [Cloud, Jason on Wed, 16 Jul 2025 20:03:38 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e33d786f.2507c) |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | withdrawn |

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| TDoc | [S4-251278](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251278.zip) |
| Title | [AMD\_PRO-MED] WT2: Alignment with TS 26.510 CR 0016 and TS 26.512 CR 0086 - M10u definition |
| Source | Dolby Laboratories Inc. |
| Contact | Jason Cloud |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:38:55 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;963dc002.2507c)  [Thomas Stockhammer on Fri, 18 Jul 2025 15:30:27 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5c0e89ab.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:33:31 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ab463468.2507c)  [Cloud, Jason on Tue, 22 Jul 2025 04:31:32 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b5421414.2507d) |
| Revisions | [S4-251278r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251278r01.docx) |
| Minutes | Presented by Jason.   * Thomas: I don’t see why we do this.   + Jason: This is based on the work done to CR to 26.510 and 512. This was requested by BBC.   + Thomas: I have no clue why we do this.   + Richard: One concrete use case could be the transcoding between two 5GMS systems, when one receives the uplink data and another one does the transcoding which is chained to each other.   + Thomas: It would be good to have a use case somewhere. * Thomas: Is there dependency with other specifications?   + Jason: The CRs define stage 3, this also has to be done on 26.501.   + Thomas: If this is stage 2, it should not use AMD\_PRO-MED work item code. And I think it would be a feature addition. It can’t be a category F without clarification. And I don’t agree with the consequences if not approved in the cover page.   + Frederic: Yes, we need to be consistent. It is no bug fix to stage 2. The reason is we need to align stage 2 and stage 3. If it is alignment, it is better to have this as a category F. * Frederic: More time seems needed. If this is an alignment, the WI code should be ARCH\_MED and category to be discussed.   + Jason: I will produce a r01 to try to progress.   r01 version presented by Jason   * Jason: Discussed offline, mainly the cover page. |
| Disposition | r01 version agreed (Rev marks to be accepted in the cover page). Revised. |
| Status | **revised to S4-251503** |

**S4-251503** is **agreed**.

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| TDoc | [S4-251280](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251280.zip) |
| Title | [AMD\_PRO-MED] WT2: Alignment with TS 26.512 CR 0091 - CMMF architecture and procedures mapping |
| Source | Dolby Laboratories Inc. |
| Contact | Jason Cloud |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | withdrawn |

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| TDoc | [S4-251281](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251281.zip) |
| Title | [AMD\_PRO-MED] WT2: Alignment with TS 26.512 CR 0091 - Multi-Source object coding architecture and procedures mapping |
| Source | Dolby Laboratories Inc. |
| Contact | Jason Cloud |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:39:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;747cf739.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 08:54:58 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9aa39a8e.2507c)  [Cloud, Jason on Sat, 19 Jul 2025 20:56:07 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;af0f95a1.2507c)  [Thomas Stockhammer on Mon, 21 Jul 2025 10:11:00 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;50f4aae6.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:34:33 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;be7637f5.2507c)  [Cloud, Jason on Tue, 22 Jul 2025 04:28:16 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d59c4332.2507d)  [Cloud, Jason on Wed, 23 Jul 2025 01:30:36 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;bf7f31c7.2507d)  [Richard Bradbury on Wed, 23 Jul 2025 12:01:13 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f58491da.2507d) |
| Revisions | [S4-251281\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251281_BBC.docx)  [S4-251281r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251281r01.docx)  [S4-251281r01\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251281r01_QCOM.docx)  [S4-251281r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251281r02.docx)  [S4-251281r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251281r03.docx)  [S4-251281r03\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251281r03_BBC.docx) |
| Minutes | r01\_QCOM version presented by Jason.   * Iraj: Maybe a solution is multiple MPD and you combine.   + Thomas: That is a different approach.   + Iraj: Maybe the term multi source should be modified or defined.   + Richard: It could be called a multi concurrent location. * Jason: This approach seems agreeable. I will produce a revision.   r03\_BBC version presented by Jason.   * Richard: It is not ready to be agreed today. I would like a revision opened during the SA4 plenary. But I would like to see it get over in this meeting and get it over with. |
| Disposition | Revised. The revision will be sent to plenary without status. |
| Status | **revised to S4-251535** |

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| TDoc | [S4-251282](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251282.zip) |
| Title | [AMD\_PRO-MED] WT2: New annexes to specify use of CMMF within TS 26.512 |
| Source | Dolby Laboratories Inc. |
| Contact | Jason Cloud |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:38:44 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d7912bd4.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 08:51:46 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7a3c5387.2507c)  [Cloud, Jason on Sat, 19 Jul 2025 20:53:19 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;373f096e.2507c)  [Thomas Stockhammer on Mon, 21 Jul 2025 09:54:15 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a1ecccca.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:30:32 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b48e5ed4.2507c)  [Cloud, Jason on Tue, 22 Jul 2025 05:03:19 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b7d17d20.2507d)  [Cloud, Jason on Wed, 23 Jul 2025 01:33:09 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;27694f6d.2507d)  [Richard Bradbury on Wed, 23 Jul 2025 13:33:34 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b07f76d4.2507d) |
| Revisions | [S4-251282\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251282_BBC.docx)  [S4-251282r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251282r01.docx)  [S4-251282r01\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251282r01_QCOM.docx)  [S4-251282r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251282r02.docx)  [S4-251282r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251282r03.docx)  [S4-251282r03\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251282r03_BBC.docx) |
| Minutes | r03\_BBC version presented by Jason.   * Richard: I missed a typo in clause X.2.2.2, it is not “transport objects”, it is “transport resources”. * Jason: About annex Z, I prefer to keep it but it seems unpopular. The annex works, it's not ideal, it's a little bit clumsy. Annex c would make it look a lot less clumsy but this information in annex c is not specified anywhere else.   + Richard: What would make it less clumsy is to remove ETSI related information. * Jason: I would prefer to endorse without Annex Z.   + Richard: ok. |
| Disposition | Revised based on the r03\_BBC version. The revision will be endorsed without presentation. |
| Status | **revised to S4-251508** |

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| TDoc | [S4-251508](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251508.zip) |
| Title | [AMD\_PRO-MED] WT2: New annexes to specify use of CMMF within TS 26.512 |
| Source | Dolby Laboratories Inc. |
| Contact | Jason Cloud |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | endorsed |

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| TDoc | [S4-251316](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251316.zip) |
| Title | [AMD\_PRO-MED] Work Plan for WID on Stage-3 for Advanced Media Delivery |
| Source | Qualcomm Incorporated |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | Plenary |

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| TDoc | [S4-251317](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251317.zip) |
| Title | [AMD\_PRO-MED] CMCD Configuration |
| Source | Qualcomm Incorporated |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:38:25 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e6d1a46b.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 08:47:31 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f6295530.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:25:53 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9a10a72d.2507c)  [Thomas Stockhammer on Mon, 21 Jul 2025 12:19:47 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9c1fb774.2507c)  [Richard Bradbury on Mon, 21 Jul 2025 13:59:31 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e0574dc5.2507c) |
| Revisions | No revisions available. |
| Minutes | Presented by Thomas.   * Iraj: How does the precedence rule work in the reporting?   + Richard: Good question. We need text.   + Iraj: Can we leave it in an exception sheet and manage it during the Ad Hoc meeting?   + Richard: I think it makes sense the API overrides the MPD. I will produce a revision of 1228. |
| Disposition | From e-mail: We will take 1228 and 1317 together during the call. Note that 1317 proposes to accept 1228 as baseline.  Agreed in MBS. 1228 will be revised. It won’t go to SA4. |
| Status | agreed |

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| TDoc | [S4-251370](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251370.zip) |
| Title | [AMD\_PRO-MED] Support for multiple Service Locations in DASH |
| Source | Qualcomm Incorporated |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:39:05 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e0202fa9.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 09:00:54 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1c0251b3.2507c)  [Cloud, Jason on Sat, 19 Jul 2025 20:58:21 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b9810bfa.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 11:35:29 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5e59d0d1.2507c)  [Thomas Stockhammer on Thu, 24 Jul 2025 08:49:33 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dd2d9c23.2507d) |
| Revisions | [S4-251370\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251370_BBC.docx)  [S4-251370\_BBC\_Dolby.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251370_BBC_Dolby.docx) |
| Minutes | \_BBC\_Dolby version presented by Thomas.   * Richard: The other contribution creates a DASH Annex for the DRM. We could add this.   + Thomas: The other one is about DRM. This one is co-CR ideas. I didn’t want to write a CR because I think this is owned by Jason and the terminology should be aligned with multi-service terminology.I just want to make sure that we are not contradicting.   + Jason: I think it belongs to WT2.   + Thomas: We could create dependencies but we should align the terminologies. * Iraj: Is there another clause talking of multiple locations for other things than DASH?   + Jason: You have CMMF which can apply to DASH, HLS, … |
| Disposition | Noted. But the content is sent to S4-251502 which will go to plenary for endorsement. |
| Status | noted |

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| TDoc | [S4-251502](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251502.zip) |
| Title | [AMD\_PRO-MED] Multiple Service Locations with DASH |
| Source | Qualcomm Incorporated |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | [S4-251502-26512-0099-DASH-Content-Steering.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251502-26512-0099-DASH-Content-Steering.docx) |
| Minutes |  |
| Disposition |  |
| Status | Plenary |

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| TDoc | [S4-251384](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251384.zip) |
| Title | [AMD\_PRO-MED] Stage-3 Aspects of Network Slicing |
| Source | Samsung Electronics Co. Ltd |
| Contact | Prakash Kolan |
| Agenda Item | 8.5 |
| E-mail Discussion | [Gabin, Frederic on Fri, 18 Jul 2025 07:39:59 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1af0f545.2507c)  [Richard Bradbury on Fri, 18 Jul 2025 09:22:35 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;924dc692.2507c)  [Prakash Kolan on Mon, 21 Jul 2025 03:13:23 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;eb3be81c.2507c)  [Richard Bradbury on Mon, 21 Jul 2025 11:45:11 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;626cc97e.2507c)  [Gabin, Frederic on Mon, 21 Jul 2025 12:00:40 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;702b0961.2507c) |
| Revisions | [S4-251384r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251384r01.docx) |
| Minutes | r04 version presented by Prakash. |
| Disposition |  |
| Status | **revised to S4-251486** |

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| TDoc | [S4-251486](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251486.zip) |
| Title | [AMD\_PRO-MED] Stage-3 Aspects of Network Slicing |
| Source | Samsung Electronics Co. Ltd |
| Contact | Prakash Kolan |
| Agenda Item | 8.5 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes |  |
| Disposition |  |
| Status | agreed |

## 8.6 MeME-MED (Media Messaging Enhancements)

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| TDoc | [S4-251246](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251246.zip) |
| Title | [MeME-MED] Proposed Work Plan |
| Source | Qualcomm Incorporated |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.6 |
| E-mail Discussion | [Gabin, Frederic on Mon, 21 Jul 2025 07:48:34 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c95b0611.2507c)  [Gabin, Frederic on Tue, 22 Jul 2025 11:08:34 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;bc958301.2507d) |
| Revisions | No revisions available. |
| Minutes | No Ad Hoc call in August. |
| Disposition | Agreed via email. |
| Status | agreed |

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| TDoc | [S4-251247](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251247.zip) |
| Title | [MeME-MED] Media Messaging Enhancements |
| Source | Qualcomm Incorporated |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.6 |
| E-mail Discussion | [Gabin, Frederic on Mon, 21 Jul 2025 07:48:30 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dbe333d5.2507c)  [Gabin, Frederic on Tue, 22 Jul 2025 11:08:59 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8d3db7fb.2507d)  [Thomas Stockhammer on Tue, 22 Jul 2025 11:31:01 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;cbc57a88.2507d)  [Gabin, Frederic on Tue, 22 Jul 2025 13:15:05 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ad50fae7.2507d) |
| Revisions | No revisions available. |
| Minutes | Not presented. |
| Disposition | Endorsed via emails. |
| Status | endorsed |

## 8.7 Other Rel-19 matters including TEI

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| TDoc | [S4-251219](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251219.zip) |
| Title | Target Service Area Data Type in Service Announcement |
| Source | Ericsson LM |
| Contact | Thorsten Lohmar |
| Agenda Item | 8.7 |
| E-mail Discussion | [Gabin, Frederic on Mon, 21 Jul 2025 07:48:38 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5a318269.2507c)  [Thorsten Lohmar on Mon, 21 Jul 2025 07:53:20 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a15d7e0a.2507c)  [Richard Bradbury on Mon, 21 Jul 2025 09:28:53 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;747dee19.2507c)  [Gabin, Frederic on Tue, 22 Jul 2025 11:10:04 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c5190f8e.2507d)  [Thomas Stockhammer on Tue, 22 Jul 2025 12:01:48 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ca443ccf.2507d)  [Thorsten Lohmar on Tue, 22 Jul 2025 12:28:27 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2e948e2b.2507d)  [Thorsten Lohmar on Tue, 22 Jul 2025 12:33:41 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f0f83ba3.2507d) |
| Revisions | [S4-251219\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251219_BBC.docx)  [S4-251219\_r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251219_r01.docx)  [S4-251219\_r01\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251219_r01_QCOM.docx) |
| Minutes | r02 presented by Thorsten.   * Richard: Only release 19 needs to be corrected, correct?   + Thorsten: Yes. * Thomas: “MBSService area data type” which is deprecated, Why don’t we remove it? * Thorsten: it is how CT4 works. * Qi: target service area may be encoded as geographic service area for broadcast over NTN. * Thorsten: We wait for RAN feedback for additional input * Fred: 26.512 depend upon this? * Thorsten: yes * Fred: it is good to mention it that there is dependency |
| Disposition | **Revised to S4-251482.** |
| Status | **revised to S4-251482** |

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| TDoc | [S4-251482](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251482.zip) |
| Title | Target Service Area Data Type in Service Announcement |
| Source | Ericsson LM |
| Contact | Thorsten Lohmar |
| Agenda Item | 8.7 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes | Revision of S4-251219. |
| Disposition | Agreed without presentation. |
| Status | agreed |

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| TDoc | [S4-251354](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251354.zip) |
| Title | Aligning Stage 2 Session Announcement with Stage 3 on target service area |
| Source | Ericsson LM |
| Contact | Thorsten Lohmar |
| Agenda Item | 8.7 |
| E-mail Discussion | [Gabin, Frederic on Mon, 21 Jul 2025 07:48:40 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d2d6f3e2.2507c)  [Richard Bradbury on Mon, 21 Jul 2025 09:19:58 +0100](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e3bf0f87.2507c)  [Gabin, Frederic on Tue, 22 Jul 2025 11:10:34 +0000](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;60ae5b25.2507d) |
| Revisions | No revisions available. |
| Minutes | Not presented. |
| Disposition | Agreed via emails. |
| Status | agreed |

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| TDoc | [S4-251494](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251494.zip) |
| Title | Alignment CR for In-Session Unicast Repair |
| Source | Qualcomm Incorporated |
| Contact | Thomas Stockhammer |
| Agenda Item | 8.7 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | [S4-251494-26502-0041-In-Session.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Inbox/Drafts/MBS/S4-251494-26502-0041-In-Session.docx) |
| Minutes |  |
| Disposition |  |
| Status | Plenary |

## 8.8 FS\_Energy\_Ph2\_MED (Study on Media energy consumption exposure and evaluation framework Phase 2)

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| TDoc | [S4-251406](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251406.zip) |
| Title | [FS\_Energy\_Ph2\_MED] Additional use case 6.6 from TR 22.883 |
| Source | Nokia |
| Contact | Daniel Philip VENMANI |
| Agenda Item | 8.8 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes | No contributions were expected on FS\_Energy\_Ph2\_MED during this meeting. |
| Disposition | Noted without presentation. |
| Status | noted |

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| TDoc | [S4-251407](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251407.zip) |
| Title | [FS\_Energy\_Ph2\_MED] Description to new Key Issue #4: Application Server Energy Management measurement |
| Source | Nokia |
| Contact | Daniel Philip VENMANI |
| Agenda Item | 8.8 |
| E-mail Discussion | No e-mail discussion. |
| Revisions | No revisions available. |
| Minutes | No contributions were expected on FS\_Energy\_Ph2\_MED during this meeting. |
| Disposition | Noted without presentation. |
| Status | noted |

## 8.9 Review of the future work plan (next meeting dates, hosts)

See time plans

## 8.10 Any Other Business

### 8.10.1 Input documents

None.

### 8.10.2 Report

Report is made available in S4-251447.

### 8.10.3 Summary from Offline Discussions

none

### 8.10.4 Output documents

See TDOC list in Annex C.

## 8.11 Close of the session

The chairman thanked the participants and the minute takers. The participants thanked the chairman.

The online session was closed on July 23, 2025 at 16:33.

## 8.12 Attendees

The attendance is tracked [here](https://portal.3gpp.org/Home.aspx#/meeting?MtgId=82860).

Annex A – Final Tdoc allocation

**Source: SA4 MBS SWG Chair[[2]](#footnote-2)**

**Title: MBS Tdoc allocation**

## Document for: Approval

## Agenda Item: 2

**Legend for Tdocs:**

* **Color: not-yet processed**, **processed**, **late**, **~~withdrawn~~**, **moved to a different A.I.**, **under email agreement, postponed, agreed in SWG, output document.**
* a agreed, e endorsed, app approved, n noted, pa partially agreed, np not pursued, pp postponed…

|  |  |  |
| --- | --- | --- |
| A.I.# | Agenda Item | Tdoc # |
| 8 | Multicast-Broadcast-Streaming (MBS) SWG |  |
| 8.1 | Opening of the session, registration of documents |  |
| 8.2 | IPR, antitrust and consensus reminder |  |
| 8.3 | Reports/Liaisons from other groups/meetings | LS (SVTA) 1459n |
| 8.4 | Release 18 and earlier matters | 26.517 (5MBP3): 1220a&1221a5GMS\_Pro\_Ph2: 1223->1461->1498a, 1224->1285->1462->1497a |
| 8.5 | AMD\_PRO-MED (Stage 3 for Advanced Media Delivery) | **[AMD\_PRO-MED, 5G\_RTP\_Ph2]** 26.510: 1225aWT1:26.510: 1226->1463a26.512: 1228->1465eDisc.: 1317aWT2:26.501: 1278->1503a, 1281->153526.510: 1276->1505e26.512: 1274->1506e, 1282->1508eDisc: 1370n->1502WT3:26.512: 1236->1504eWT4:26.512: 1249->1507aWT5:26.346: 1232->1509e26.517: 1233->1510e, 1243m (in 1510)Disc: 1245n26.502: 1494nwpWT7:26.517: 1250->1511aWT8:26.512: 1267->1485a26.510: 1268->1512->1552aWT9:26.510: 1384->1486a26.510: 122726.512: 1229TP: 1316~~1275~~, ~~1277~~, ~~1280~~ |
| 8.6 | MeME-MED (Media Messaging Enhancements) | 26.143: 1247eTP: 1246a |
| 8.7 | Other Rel-19 matters including TEI | 26.517: 1219->1482a26.502: 1354a |
| 8.8 | FS\_Energy\_Ph2\_MED (Study on Media energy consumption exposure and evaluation framework Phase 2) | 1406nwp, 1407nwp |
| 8.9 | Review of the future work plan (next meeting dates, hosts) |  |
| 8.10 | Any Other Business |  |
| 8.11 | Close of the session |  |

|  |  |  |
| --- | --- | --- |
| 11 | LSs received during the meeting and Postponed Liaisons (from A. I. 5) | 1459 (SVTA) -> MBS SWG -> noted |
| 12 | Reports and general issues from sub-working-groups |  |
| 12.1 | Audio SWG | 1446(placeholder) |
| 12.2 | MBS SWG | 1447(placeholder) |
| 12.3 | Video SWG | 1445(placeholder) |
| 12.4 | RTC SWG | 1444(placeholder) |
| 13 | Release 18 and earlier matters | 26.517 (5MBP3/Rel-17): 1220&122126.510 (5GMS\_Pro\_Ph2/Rel-18): 149726.512 (5GMS\_Pro\_Ph2/Rel-18): 1498 |
| 14 | Release 19 and 20 Features |  |
|  | *Release 19 Features* |  |
| 14.1 | IVAS\_Codec\_Ph2 (EVS Codec Extension for Immersive Voice and Audio Services, Phase 2) | Progress: 65% -> xx% (09/25) |
| 14.2 | ATIAS\_Ph2 (Terminal Audio quality performance and Test methods for Immersive Audio Services, Phase 2) | Progress: 65% -> xx% (09/25) |
| 14.3 | DaCAS (Diverse audio CApturing System for UEs) | Progress: 50% -> xx% (09/25) |
| 14.4 | VOPS (Video Operating Points - Harmonization and Stereo MV-HEVC) | Progress: 90% -> xx% (12/25) |
| 14.5 | SR\_IMS (Split rendering over IMS) | Progress: 95% -> xx% (09/25) |
| 14.6 | 5G\_RTP\_Ph2 (5G Real-time Transport Protocol Configurations, Phase 2) | Progress: 75% -> xx% (09/25) |
| 14.7 | AvCall-MED (Avatar Communications in AR Calls) | Progress: 15% -> xx% (09/25) |
| 14.8 | AMD\_PRO-MED (Stage 3 for Advanced Media Delivery) | 26.510: 1225, 1463, 1512->1552, 1486 (to be merged in 1227 for agreement at MBS SWG AH)26.512: 1502, 1507, 1485 (to be merged in 1229 for agreement at MBS SWG AH)26.517: 1511TP: 1316Progress: 40% -> xx% (09/25) |
| 14.9 | MeME-MED (Media Messaging Enhancements) | TP: 1246Progress: 0% -> xx% (09/25) |
|  | *Release 20 Features* |  |
| 14.10 | AI\_IMS-MED (Media aspects for AI/ML in IMS services) | Progress: 0% -> xx% (06/26) |
| 14.11 | Other Rel-19 matters including TEI | 26.501 (AMD-ARCH-MED): 1503, 153526.517 (NR\_NTN\_Ph3-Core): 148226.502 (5MBUSA, TEI19): 1354 |
| 15 | Study Items |  |
| 15.1 | FS\_ACAPI (Study on Audio Codec APIs) | Progress: 47% -> xx% (12/25) |
| 15.2 | FS\_Beyond2D (Study on Beyond 2D Video) | Progress: 70% -> xx% (09/25) |
| 15.3 | FS\_ARSpatial (Study on Spatial Computing for AR Services) | Progress: 85% -> xx% (09/25) |
| 15.4 | FS\_ULBC (Study on Ultra Low Bitrate Speech Codec) | Progress: 10% -> xx% (06/26) |
| 15.5 | FS\_Energy\_Ph2\_MED (Study on Media energy consumption exposure and evaluation framework Phase 2) | Progress: 0% -> xx% (02/26) |
| 16 | Work Items and Study Items under the responsibility of other TSGs/WGs impacting SA4 work |  |
| 17 | New Work / New Work Items and Study Items | Submission deadline 24th July 23:59pm CEST, see email threads on the SA4 reflector |
| 17.1 | New Work Items and Study Items for Rel-20 5G-Advanced | Avatar Ph2: 1230, 1428Haptics: 1262, 1265QUIC RTC: 1264,1271Dynamic Traffic & QoS: 1283, 1284Stereo Video: 1290Image formats: 1343, 1344AMD Ph2: 1429VOPS Ph2: 1430 |
| 17.2 | New Study Items for Rel-20 FS\_6G | QUIC Streaming: 1292Media aspects 6GS: 14313DGS: 1449, 1450 |
| 17.3 | Other | 1432 |
| 18 | Postponed issues |  |
| 19 | Review of the future work plan (next meeting dates, hosts) | TelcosMBSRTCAudioVideoAH F2FMBS SWG AH 3-5 Sep. Paris, France:Request power toagree CRs to 26.510, 26.512, 26.517 on AMD-PRO-MEDagree potential exception request on AMD-PRO-MEDagree a CR to 26.143 on MeME-MEDRTCAudioNext SA4 meeting17-21 Nov. 2025 Dallas (TX-US)Contribution deadline: Tuesday 11 November 23:59 CET |
| 20 | Any Other Business |  |
| 21 | Close of meeting: Friday 25th July 2025 at 18:00 hours CEST |  |

*Note: Agenda Items 7-10 are SWG (Sub Working Group) agenda items and will be handled in SWGs.*

*Note: Some SWG agenda items are handled in joint SWG sessions. You should refer to the schedule to see details of joint sessions.*

Annex B – Void

# Annex C - SWG Tdoc status

## C.1 Agree or endorsed (not presented to SA4 plenary)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **Agenda item** | **Plenary Agenda Item** | **TDoc Status** | **Revised to** |
| [**S4-251317**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251317.zip) | [AMD\_PRO-MED] CMCD Configuration | Qualcomm Incorporated | 8.5 |  | **agreed** |  |
| [**S4-251247**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251247.zip) | [MeME-MED] Media Messaging Enhancements | Qualcomm Incorporated | 8.6 |  | **endorsed** |  |
| [**S4-251465**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251465.zip) | [AMD\_PRO-MED] WT1: CMCD provisioning (M1), reporting (M3) and exposure (R5/R6) | BBC | 8.5 |  | **endorsed** |  |
| [**S4-251504**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251504.zip) | [AMD\_PRO-MED] Stage-3 Aspects of Multi-access Media Delivery | Samsung Electronics Co. Ltd., BBC, Nokia | 8.5 |  | **endorsed** |  |
| [**S4-251505**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251505.zip) | [AMD\_PRO-MED] WT2: TS 26.510 technology-independent feature updates to enable media delivery from multiple service locations | Dolby Laboratories Inc. | 8.5 |  | **endorsed** |  |
| [**S4-251506**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251506.zip) | [AMD\_PRO-MED] WT2: TS 26.512 technology-independent feature updates to enable media delivery from multiple service locations | Dolby Laboratories Inc. | 8.5 |  | **endorsed** |  |
| [**S4-251508**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251508.zip) | [AMD\_PRO-MED] WT2: New annexes to specify use of CMMF within TS 26.512 | Dolby Laboratories Inc. | 8.5 |  | **endorsed** |  |
| S4-251509 | [AMD\_PRO-MED] In-session Unicast Repair for MBMS Object Distribution | Qualcomm Incorporated | 8.5 |  | endorsed |  |
| S4-251510 | [AMD\_PRO-MED] In-session Unicast Repair for MBS Object Distribution | Qualcomm Incorporated, BBC, LG Electronics Inc. | 8.5 |  | endorsed |  |

## C.2 Agreed (presented to SA4 plenary)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **Agenda item** | **Plenary Agenda Item** | **TDoc Status** | **Revised to** |
| [**S4-251220**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251220.zip) | [5MBP3] Update IANA MIME media type proforma | BBC | 8.4 | 13 | **agreed** |  |
| [**S4-251221**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251221.zip) | [5MBP3] Update IANA MIME media type proforma | BBC | 8.4 | 13 | **agreed** |  |
| [**S4-251225**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251225.zip) | [AMD\_PRO-MED, 5G\_RTP\_Ph2] Updated QoS mapping figures | BBC, Huawei, Nokia, Lenovo, InterDigital | 8.5 | 14.8 | **agreed** |  |
| [**S4-251246**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251246.zip) | [MeME-MED] Proposed Work Plan | Qualcomm Incorporated | 8.6 | 14.9 | **agreed** |  |
| [**S4-251354**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251354.zip) | Aligning Stage 2 Session Announcement with Stage 3 on target service area | Ericsson LM | 8.7 | 14.11 | **agreed** |  |
| [**S4-251463**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251463.zip) | [AMD\_PRO-MED] WT1: JSON-based metrics report syntax and MIME type registration | BBC, Qualcomm Incorporated | 8.5 | 14.8 | **agreed** |  |
| [**S4-251482**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251482.zip) | Target Service Area Data Type in Service Announcement | Ericsson LM | 8.7 | 14.11 | **agreed** |  |
| S4-251485 | Support of Improved QoS for media streaming services | Huawei, HiSilicon, Ericsson | 8.5 | 14.8 | agreed |  |
| [**S4-251486**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251486.zip) | [AMD\_PRO-MED] Stage-3 Aspects of Network Slicing | Samsung Electronics Co. Ltd | 8.5 | 14.8 | **agreed** |  |
| [**S4-251497**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251497.zip) | [5GMS\_Pro\_Ph2] Rename dynamic policy data types | BBC, Nokia, Lenovo | 8.4 | 13 | **agreed** |  |
| [**S4-251498**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251498.zip) | [5GMS\_Pro\_Ph2] Uplink procedures alignment | BBC, Huawei | 8.4 | 13 | **agreed** |  |
| [**S4-251507**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251507.zip) | [AMD\_PRO-MED] DASH Instantiation and DRM Protocol Support | Qualcomm Incorporated | 8.5 | 14.8 | **agreed** |  |
| [**S4-251511**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251511.zip) | [AMD\_PRO-MED] Time Synchronization | Qualcomm Incorporated, BBC | 8.5 | 14.8 | **agreed** |  |
| S4-251552 | Stage 3 on Improved QoS Support for Media Streaming services | Huawei, HiSilicon | 8.5 | 14.8 | **Agreed** |  |

## C.3 Other status (not presented to SA4 plenary)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **Agenda item** | **Plenary Agenda Item** | **TDoc Status** | **Revised to** |
| [**S4-251243**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251243.zip) | [AMD\_PRO-MED] Mapping of In-Session Object Repair and MBS Sessions | LG Electronics UK | 8.5 |  | **merged** |  |
| [**S4-251245**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251245.zip) | [AMD\_PRO-MED] Inband Session Repair for MBS and MBMS | Qualcomm Incorporated | 8.5 |  | **noted** |  |
| [**S4-251370**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251370.zip) | [AMD\_PRO-MED] Support for multiple Service Locations in DASH | Qualcomm Incorporated | 8.5 |  | **noted** |  |
| [**S4-251406**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251406.zip) | [FS\_Energy\_Ph2\_MED] Additional use case 6.6 from TR 22.883 | Nokia | 8.8 |  | **noted** |  |
| [**S4-251407**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251407.zip) | [FS\_Energy\_Ph2\_MED] Description to new Key Issue #4: Application Server Energy Management measurement | Nokia | 8.8 |  | **noted** |  |
| S4-251494 | Alignment CR for In-Session Unicast Repair | Qualcomm Incorporated | 8.7 |  | noted |  |
| [**S4-251219**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251219.zip) | Target Service Area Data Type in Service Announcement | Ericsson LM | 8.7 |  | **revised** | [**S4-251482**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1689994) |
| [**S4-251223**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251223.zip) | [5GMS\_Pro\_Ph2] Uplink procedures alignment | BBC, Huawei | 8.4 |  | **revised** | [**S4-251461**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1689964) |
| [**S4-251224**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251224.zip) | [5GMS\_Pro\_Ph2] Rename dynamic policy data types | BBC | 8.4 |  | **revised** | [**S4-251285**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1689533) |
| [**S4-251226**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251226.zip) | [AMD\_PRO-MED] WT1: JSON-based metrics report syntax and MIME type registration | BBC | 8.5 |  | **revised** | [**S4-251463**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1689966) |
| [**S4-251228**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251228.zip) | [AMD\_PRO-MED] WT1: CMCD provisioning (M1), reporting (M3) and exposure (R5/R6) | BBC | 8.5 |  | **revised** | [**S4-251465**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1689968) |
| [**S4-251232**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251232.zip) | [AMD\_PRO-MED] In-session Unicast Repair for MBMS Object Distribution | Qualcomm Incorporated | 8.5 |  | **revised** | [**S4-251509**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690027) |
| [**S4-251233**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251233.zip) | [AMD\_PRO-MED] In-session Unicast Repair for MBS Object Distribution | Qualcomm Incorporated | 8.5 |  | **revised** | [**S4-251510**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690028) |
| [**S4-251236**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251236.zip) | [AMD\_PRO-MED] Stage-3 Aspects of Multi-access Media Delivery | Samsung Electronics Co. Ltd., BBC, Nokia | 8.5 |  | **revised** | [**S4-251504**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690021) |
| [**S4-251249**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251249.zip) | [AMD\_PRO-MED] DASH Instantiation and DRM Protocol Support | Qualcomm Sweden | 8.5 |  | **revised** | [**S4-251507**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690025) |
| [**S4-251250**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251250.zip) | [AMD\_PRO-MED] Time Synchronization | Qualcomm Technologies Int | 8.5 |  | **revised** | [**S4-251511**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690029) |
| [**S4-251267**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251267.zip) | Support of Improved QoS for media streaming services | Huawei, HiSilicon | 8.5 |  | **revised** | [**S4-251485**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1689997) |
| [**S4-251268**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251268.zip) | Stage 3 on Improved QoS Support for Media Streaming services | Huawei, HiSilicon | 8.5 |  | **revised** | [**S4-251512**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690030) |
| [**S4-251274**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251274.zip) | [AMD\_PRO-MED] WT2: TS 26.512 technology-independent feature updates to enable media delivery from multiple service locations | Dolby Laboratories Inc. | 8.5 |  | **revised** | [**S4-251506**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690024) |
| [**S4-251276**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251276.zip) | [AMD\_PRO-MED] WT2: TS 26.510 technology-independent feature updates to enable media delivery from multiple service locations | Dolby Laboratories Inc. | 8.5 |  | **revised** | [**S4-251505**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690022) |
| [**S4-251278**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251278.zip) | [AMD\_PRO-MED] WT2: Alignment with TS 26.510 CR 0016 and TS 26.512 CR 0086 - M10u definition | Dolby Laboratories Inc. | 8.5 |  | **revised** | [**S4-251503**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690020) |
| [**S4-251281**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251281.zip) | [AMD\_PRO-MED] WT2: Alignment with TS 26.512 CR 0091 - Multi-Source object coding architecture and procedures mapping | Dolby Laboratories Inc. | 8.5 |  | **revised** | [**S4-251535**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690054) |
| [**S4-251282**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251282.zip) | [AMD\_PRO-MED] WT2: New annexes to specify use of CMMF within TS 26.512 | Dolby Laboratories Inc. | 8.5 |  | **revised** | [**S4-251508**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690026) |
| [**S4-251285**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251285.zip) | [5GMS\_Pro\_Ph2] Rename dynamic policy data types | BBC, Nokia | 8.4 |  | **revised** | [**S4-251462**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1689965) |
| [**S4-251384**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251384.zip) | [AMD\_PRO-MED] Stage-3 Aspects of Network Slicing | Samsung Electronics Co. Ltd | 8.5 |  | **revised** | [**S4-251486**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1689998) |
| [**S4-251461**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251461.zip) | [5GMS\_Pro\_Ph2] Uplink procedures alignment | BBC, Huawei | 8.4 |  | **revised** | [**S4-251498**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690015) |
| [**S4-251462**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251462.zip) | [5GMS\_Pro\_Ph2] Rename dynamic policy data types | BBC, Nokia, Lenovo | 8.4 |  | **revised** | [**S4-251497**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1690014) |
| [**S4-251275**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251275.zip) | [AMD\_PRO-MED] WT2: TS 26.512 OpenAPI updates to enable media delivery from multiple service locations | Dolby Laboratories Inc. | 8.5 |  | **withdrawn** |  |
| [**S4-251277**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251277.zip) | [AMD\_PRO-MED] WT2: TS 26.510 OpenAPI updates to enable media delivery from multiple service locations | Dolby Laboratories Inc. | 8.5 |  | **withdrawn** |  |
| S4-251280 | [AMD\_PRO-MED] WT2: Alignment with TS 26.512 CR 0091 - CMMF architecture and procedures mapping | Dolby Laboratories Inc. | 8.5 |  | withdrawn |  |

## C.4 Other status (presented to SA4 plenary)

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | | | **Source** | | **Agenda item** | | **Plenary Agenda Item** | | **TDoc Status** | **Revised to** | |
| [**S4-251512**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251512.zip) | Stage 3 on Improved QoS Support for Media Streaming services | | | Huawei, HiSilicon | | 8.5 | | 14.8 | | **Revised** | S4-251552 | |
| S4-251227 | [AMD\_PRO-MED] Consolidated additions | | | BBC, Samsung, Dolby, Huawei, Nokia, Lenovo, InterDigital Communications | | 8.5 | | 14.8 | | reserved |  | |
| S4-251229 | [AMD\_PRO-MED] Consolidated additions | | | BBC, Dolby, Samsung, Huawei, Qualcomm Incorporated | | 8.5 | | 14.8 | | reserved |  | |
| S4-251316 | [AMD\_PRO-MED] Work Plan for WID on Stage-3 for Advanced Media Delivery | | | Qualcomm Incorporated | | 8.5 | | 14.8 | | reserved |  | |
| S4-251502 | [AMD\_PRO-MED] Multiple Service Locations with DASH | | | Qualcomm Incorporated | | 8.5 | | 14.8 | | reserved |  | |
| [**S4-251459**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_133-e/Docs/S4-251459.zip) | | Reply to Request for LS on Transport protocol configuration for media streaming | SVTA | | 5.2 | | 11 | | **noted** | | |  | |

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