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

**Title: 3GPP SA4 MBS SWG report during SA4#118-e**

**Document for: Approval**

**Agenda item: 12.2**

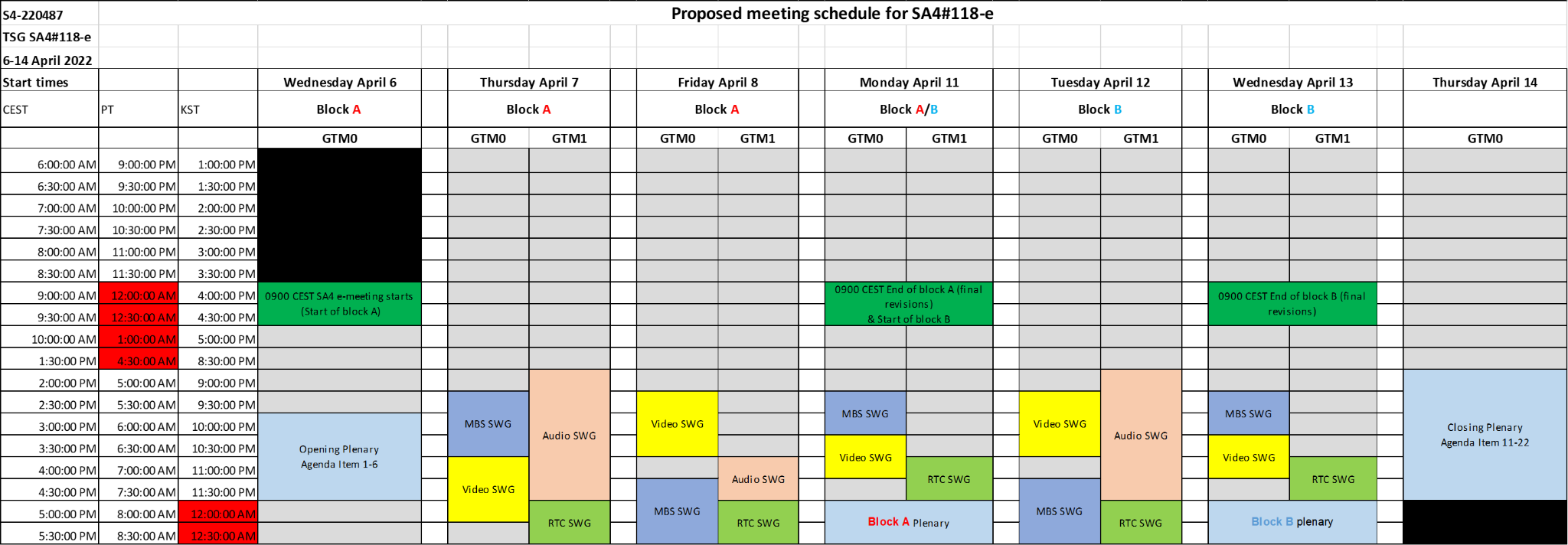
MBS SWG Minutes during SA4#118e

## 8.1 Opening of the session

Mr. Frédéric Gabin (Dolby, Chairman of MBS SWG) opens the telco sessions on 6th April 2022 at 16:30 CEST.

E-mail discussion started on Wednesday, 6th April 2022.

**SA4 Schedule:**



**Rough Plan:**

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| [Rough plan for MBS SWG Telcos at SA4#118-e](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4870f73.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 11:25:48 +0000 |

Here is the rough plan for our MBS SWG telcos at SA4#118-e

Thursday April 7 (Block A)

8.1 Opening of the session

8.2 Registration of documents

8.4 Issues for immediate consideration

8.5 CRs to completed features in Release 17 and earlier (except QoE)

8.8 5GMS\_EDGE\_3 (Edge Extensions to 5GMS Stage 3)

Friday April 8 (Block A)

8.3 Reports/Liaisons from other groups/meetings

8.5 CRs to completed features in Release 17 and earlier (only QoE)

8.6 EVEX (5GMS AF Event Exposure)

8.7 5MBP3 (5G Multicast-Broadcast Protocols)

Monday April 11 (Wash-up Block A)

Tuesday April 12 (Block B)

8.9 FS\_NPN4AVProd (Feasibility Study on Media Production over 5G NPN)

8.10 FS\_5G\_MSE (Feasibility Study on 5G Media Service Enablers)

8.11 FS\_SmarTAR (Feasibility Study on Smartly Tethering AR Glasses)

8.12 New Work / New Work Items and Study Items

8.13 Others including TEI

Wednesday April 13 (Wash-up Block B)

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

8.15 Any Other Business

8.16 Close of the session

Dr. Richard Bradbury (BBC), Emmanuel Thomas (Xiaomi), and Charles Lo (Qualcomm) are assigned as scribes. Mr. Thomas Stockhammer (Qualcomm) supports offline report structuring and adding e-mail agreements.

The minutes are shared [MBS SWG Minutes during SA4#118e](https://docs.google.com/document/d/1HVvgrGK283-M1T39dihrg9pBUB4W2IycBKR4yQKmkxI/edit?usp=sharing).

Attendance is tracked [here](#88sz0tpycmmy).

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

* https://list.etsi.org/scripts/wa.exe?A1=ind2204A&L=3GPP\_TSG\_SA\_WG4\_MBS
* https://list.etsi.org/scripts/wa.exe?A1=ind2204B&L=3GPP\_TSG\_SA\_WG4\_MBS

The latest timestamp for e-mail is here: Thu, 7 Apr 2022 12:24:21 +0000

The agenda and the registration of documents are agreed.

## 8.2 Registration of documents

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| [MBS SWG Tdoc allocation](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;88635d58.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 12:24:21 +0000 |

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| [MBS SWG Tdoc allocation rev1](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;96b82bac.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 15:47:49 +0000 |
| [MBS SWG Tdoc allocation rev2](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c6988cb3.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 14:09:22 +0000 |
| [MBS SWG Tdoc allocation rev3](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1dd0c09.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 16:12:50 +0000 |
| [MBS SWG Tdoc allocation rev4](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4da834e8.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 12:19:55 +0000 |

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| [MBS SWG Tdoc allocation rev4](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4da834e8.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 12:19:55 +0000 |
| [MBS SWG Tdoc allocation rev6](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d63a3812.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 13:55:58 +0000 |
| [MBS SWG Tdoc allocation rev6](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1de8db5f.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 14:00:20 +0000 |
| [MBS SWG Tdoc allocation rev7](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;aca40625.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 15:47:04 +0000 |
| [MBS SWG Tdoc allocation rev8](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;601007c3.2204B&S=) | Gabin, Frederic | Wed, 13 Apr 2022 12:23:50 +0000 |

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| [MBS SWG Tdoc allocation rev1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/MBS%20SWG%20Tdoc%20allocation%20rev1.docx) | 4/7/2022 15:46 |
| [MBS SWG Tdoc allocation rev2.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/MBS%20SWG%20Tdoc%20allocation%20rev2.docx) | 4/8/2022 14:08 |

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| [MBS SWG Tdoc allocation rev3.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/MBS%20SWG%20Tdoc%20allocation%20rev3.docx) | 4/8/2022 16:11 |
| [MBS SWG Tdoc allocation rev4.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/MBS%20SWG%20Tdoc%20allocation%20rev4.docx) | 4/11/2022 12:18 |

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| [MBS SWG Tdoc allocation rev5.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/MBS%20SWG%20Tdoc%20allocation%20rev5.docx) | 4/11/2022 14:26 |
| [MBS SWG Tdoc allocation rev6.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/MBS%20SWG%20Tdoc%20allocation%20rev6.docx) | 4/12/2022 13:49 |

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| [MBS SWG Tdoc allocation rev7.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/MBS%20SWG%20Tdoc%20allocation%20rev7.docx) | 4/12/2022 15:40 |
| [MBS SWG Tdoc allocation rev8.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/MBS%20SWG%20Tdoc%20allocation%20rev8.docx) | 4/13/2022 12:22 |

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| 5.2 | Other 3GPP groups |  | QoE :  RAN2/QoE: 452 -> MBS SWG, 453 -> MBS SWG  RAN3/QoE: 454 -> MBS SWG    5MBS :  CT4/5MBS: 445 -> MBS SWG  RAN2/5MBS: 449 -> MBS SWG  SA2/5MBS: 456 -> MBS SWG    EVEX :  SA3 LI/filter: 462 -> MBS SWG  SA2/Collection: 458 -> MBS SWG    Other:  SA6/Edge: 465 -> MBS SWG |
| 5.3 | Other groups |  | DVB/Content enc. : 480 -> MBS SWG |
| 8 | Multicast-Broadcast-Streaming (MBS) SWG |  |  |
| 8.1 | Opening of the session | A |  |
| 8.2 | Registration of documents | A |  |
| 8.3 | Reports/Liaisons from other groups/meetings | A |  |
| 8.4 | Issues for immediate consideration | A |  |
| 8.5 | CRs to completed features in Release 17 and earlier | A | 346, 348, 350, 400, 407, 423, 426, 486 |
| 8.6 | EVEX (5GMS AF Event Exposure) | A | 347, 349, 387, 394, 398, 403, 425, 485    381->~~402~~, ~~386~~, 404, 405, 419 |
| 8.7 | 5MBP3 (5G Multicast-Broadcast Protocols) | A | 351, 352, 353, 354, 470, 471, 472, 473 |
| 8.8 | 5GMS\_EDGE\_3 (Edge Extensions to 5GMS Stage 3) | A | 379, 380, 411, 412, 413, 414, 415 |
| 8.9 | FS\_NPN4AVProd (Feasibility Study on Media Production over 5G NPN) | B | 467, 468, 469 |
| 8.10 | FS\_5G\_MSE (Feasibility Study on 5G Media Service Enablers) | B | 356, 359    355, 357, 358 |
| 8.11 | FS\_SmarTAR (Feasibility Study on Smartly Tethering AR Glasses) | B | 360, 362, 363, 409 |
| 8.12 | New Work / New Work Items and Study Items | B | 364, 442, 474 |
| 8.13 | Others including TEI | A | 416 |
| 8.14 | Review of the future work plan (next meeting dates, hosts) | B |  |
| 8.15 | Any Other Business | B |  |
| 8.16 | Close of the session | B |  |

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| **TDoc** | **Title** | **Source** | **Contact** | **Agenda item** |
| [**S4-220445**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220445.zip) | Reply LS on 5MBS preparation of stage 3 work split between SA4 and CT3 | CT4 | Jayeeta Saha | 5.2 |
| [**S4-220449**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220449.zip) | LS on the MBS broadcast service continuity and MBS session identification | RAN2 | Jayeeta Saha | 5.2 |
| [**S4-220452**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220452.zip) | LS on RAN2 agreements on NR QoE | RAN2 | Jayeeta Saha | 5.2 |
| [**S4-220453**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220453.zip) | LS on UE capabilities for NR QoE | RAN2 | Jayeeta Saha | 5.2 |
| [**S4-220454**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220454.zip) | LS on RAN3 agreements for NR QoE | RAN3 | Jayeeta Saha | 5.2 |
| [**S4-220456**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220456.zip) | Reply LS on maximum number of MBS sessions that can be associated to a PDU session | SA2 | Jayeeta Saha | 5.2 |
| [**S4-220458**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220458.zip) | Reply LS on UE data collection and reporting | SA2 | Jayeeta Saha | 5.2 |
| [**S4-220462**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220462.zip) | LS on smart filtering and enhancement of LI | SA3 LI | Jayeeta Saha | 5.2 |
| [**S4-220465**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220465.zip) | Reply LS on follow-up on EAS definition | SA6 | Jayeeta Saha | 5.2 |
| [**S4-220480**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220480.zip) | LIAISON on Content Encoding in MBMS FLUTE | DVB | Jayeeta Saha | 5.3 |
| [**S4-220346**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220346.zip) | [5MBUSA] MBS User Service procedures | BBC | Richard Bradbury | 8.5 |
| [**S4-220348**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220348.zip) | [5MBUSA] Additional stage 2 detail | BBC | Richard Bradbury | 8.5 |
| [**S4-220350**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220350.zip) | [5MBUSA] Corrections to 5GMS via eMBMS | Qualcomm Incorporated | Thomas Stockhammer | 8.5 |
| [**S4-220400**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220400.zip) | [EVEX] [5GMS\_EDGE] Expanded downlink provisioning procedures and domain model | BBC, Qualcomm Incorporated | Richard Bradbury | 8.5 |
| [**S4-220407**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220407.zip) | Registration of URNs | Qualcomm CDMA Technologies | Thomas Stockhammer | 8.5 |
| [**S4-220423**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220423.zip) | CR TS 26.247 Support of NR QoE features | Huawei, HiSilicon | Qi Pan | 8.5 |
| [**S4-220426**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220426.zip) | Security mechanisms for MBS traffic | Huawei, HiSilicon | Qi Pan | 8.5 |
| [**S4-220486**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220486.zip) | Requirement on UE Behavior regarding QoE Measurement and Reporting | Qualcomm Incorporated | Charles Lo | 8.5 |
| [**S4-220347**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220347.zip) | [EVEX] Data collection and reporting for 5G Media Streaming | BBC, Qualcomm Incorporated | Richard Bradbury | 8.6 |
| [**S4-220349**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220349.zip) | [EVEX] Editor's draft TS 26.531 V1.2.0 | BBC | Richard Bradbury | 8.6 |
| **S4-220381** | Support for Data Collection and Reporting in 5G Media Streaming | Qualcomm Incorporated, BBC | Charles Lo | 8.6 |
| **S4-220386** | Editor's Draft TS 26.532 V1.1.0 | Qualcomm Incorporated | Charles Lo | 8.6 |
| [**S4-220387**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220387.zip) | Updates and corrections to 26.532 | Ericsson LM, BBC, Qualcomm Incorporated | Gunnar Heikkilä | 8.6 |
| [**S4-220394**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220394.zip) | Update of Indirect Data Collection Client and Application Server text | Ericsson LM, BBC | Gunnar Heikkilä | 8.6 |
| [**S4-220398**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220398.zip) | Minor update of Data Collection and Reporting Configuration API | Ericsson LM, BBC, Qualcomm Incorporated | Gunnar Heikkilä | 8.6 |
| **S4-220402** | Support for Data Collection and Reporting in 5G Media Streaming | Qualcomm Incorporated, BBC | Charles Lo | 8.6 |
| [**S4-220403**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220403.zip) | [EVEX] Support for Data Collection and Reporting in 5G Media Streaming | Qualcomm Incorporated, BBC | Charles Lo | 8.6 |
| **S4-220404** | [EVEX] Draft of Indicative TS 26.512 V17.0.0 | Qualcomm Incorporated | Charles Lo | 8.6 |
| **S4-220405** | [EVEX] Editor's Draft TS 26.532 V1.1.0 | Qualcomm Incorporated | Charles Lo | 8.6 |
| **S4-220419** | [EVEX] Proposed Work Plan | Rappoteur (Qualcomm Incorporated) | Charles Lo | 8.6 |
| [**S4-220425**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220425.zip) | discussion on use cases of new event type for exposure in 5GMS | Huawei, HiSilicon | Qi Pan | 8.6 |
| [**S4-220485**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220485.zip) | [EVEX] Additional Text for Currently Empty Sections | Qualcomm Incorporated | Charles Lo | 8.6 |
| [**S4-220351**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220351.zip) | [5MBP3] xMB Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Thomas Stockhammer | 8.7 |
| [**S4-220352**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220352.zip) | [5MBP3] User Service Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Thomas Stockhammer | 8.7 |
| [**S4-220353**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220353.zip) | [5MBP3] API Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Thomas Stockhammer | 8.7 |
| [**S4-220354**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220354.zip) | [5MBP3] 5GMS Protocol Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Thomas Stockhammer | 8.7 |
| [**S4-220470**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220470.zip) | [5MBP3]: Stage 3 Proposal for Clause 7 (Packet Distribution Method) | Ericsson LM | Thorsten Lohmar | 8.7 |
| [**S4-220471**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220471.zip) | [5MBP3]: Stage 3 Proposal for Clause 6 (Object Distribution Method) | Ericsson LM | Thorsten Lohmar | 8.7 |
| [**S4-220472**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220472.zip) | [5MBP3]: Stage 3 Proposal for Clause 5 (Service Announcement) | Ericsson LM | Thorsten Lohmar | 8.7 |
| [**S4-220473**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220473.zip) | Identification of ingest scenarios for MBS Object Distribution | Ericsson LM | Thorsten Lohmar | 8.7 |
| [**S4-220379**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220379.zip) | draft consolidated CR on Edge | Qualcomm Technologies Ireland | Imed Bouazizi | 8.8 |
| [**S4-220380**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220380.zip) | draft CR on API for client-driven edge management | Qualcomm Technologies Ireland | Imed Bouazizi | 8.8 |
| [**S4-220411**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220411.zip) | [EDGE] Discussion on edge provisioning procedures | Tencent Cloud | Iraj Sodagar | 8.8 |
| [**S4-220412**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220412.zip) | [EDGE] Improved CR on M1 edge provisioning | Tencent Cloud | Iraj Sodagar | 8.8 |
| [**S4-220413**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220413.zip) | [EDGE] Improved CR on signaling edge configuration over M5 | Tencent Cloud | Iraj Sodagar | 8.8 |
| [**S4-220414**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220414.zip) | [EDGE] Improved CR on edge provisioning procedures | Tencent Cloud | Iraj Sodagar | 8.8 |
| [**S4-220415**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220415.zip) | [EDGE] Requesting edge server discovery over M6 | Tencent Cloud | Iraj Sodagar | 8.8 |
| [**S4-220467**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220467.zip) | [FS\_NPN4AVProd]: Description of KI#4 (Standby and Program Cameras), incl solutions | Ericsson LM | Thorsten Lohmar | 8.9 |
| [**S4-220468**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220468.zip) | [FS\_NPN4AVProd]: KI6 Interfacing Audio Channels | Sennheiser, Ericsson LM | Thorsten Lohmar | 8.9 |
| [**S4-220469**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220469.zip) | [FS\_NPN4AVProd]: KIX Device On Boarding | Ericsson LM, Dolby Laboratories | Thorsten Lohmar | 8.9 |
| **S4-220355** | [FS\_NPN4AVProd] Updates to mmWAVE for Media Production | Qualcomm Incorporated | Thomas Stockhammer | 8.10 |
| [**S4-220356**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220356.zip) | [FS\_5G\_MSE] Editorial Improvements | Qualcomm Incorporated | Thomas Stockhammer | 8.10 |
| **S4-220357** | [FS\_5G\_MSE] Existing 3GPP Specifications | Qualcomm Incorporated | Thomas Stockhammer | 8.10 |
| **S4-220358** | [FS\_5G\_MSE] External Specifications | Qualcomm Incorporated | Thomas Stockhammer | 8.10 |
| [**S4-220359**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220359.zip) | [FS\_5G\_MSE] Developer Feedback | Qualcomm Incorporated | Thomas Stockhammer | 8.10 |
| [**S4-220360**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220360.zip) | [FS\_SmartAR] Proposed Timeplan | Qualcomm Incorporated | Thomas Stockhammer | 8.11 |
| [**S4-220361**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220361.zip) | [FS\_SmarTAR] Proposed TR 26.806 Skeleton | Qualcomm Incorporated | Thomas Stockhammer | 8.11 |
| [**S4-220362**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220362.zip) | [FS\_SmarTAR] A guiding use case | Qualcomm Incorporated | Thomas Stockhammer | 8.11 |
| [**S4-220363**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220363.zip) | [FS\_SmarTAR] Initial Ideas on Tethering architectures | Qualcomm Incorporated | Thomas Stockhammer | 8.11 |
| [**S4-220409**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220409.zip) | pCR to TR 26.806 FS\_SmarTAR, on PIN (Personal IoT Network) elements | Dolby Laboratories Inc. | Frederic Gabin | 8.11 |
| [**S4-220364**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220364.zip) | Proposal for Rel-18 MBS WID scheduling | Qualcomm Incorporated | Thomas Stockhammer | 8.12 |
| [**S4-220442**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220442.zip) | Feasibility Study on Network Slicing Extensions | Samsung Electronics Co. Ltd., BBC | Prakash Kolan | 8.12 |
| [**S4-220474**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220474.zip) | For discussion: Draft New WID on new 5GMS extensions (NEXT) | Tencent Cloud | Iraj Sodagar | 8.12 |
| [**S4-220416**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220416.zip) | IANA Registration for MBMS ROM SACH | Qualcomm Incorporated | Charles Lo | 8.13 |

## 8.3 Reports/Liaisons from other groups/meetings

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| [S4-220445](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220445.zip) | Reply LS on 5MBS preparation of stage 3 work split between SA4 and CT3 | CT4 | Jayeeta Saha |

**E-mail Discussion:**

**Online Discussion:**

* Fred reads the liaison.
* Richard: The dCR may help them.
* Fred: Let’s park this until we review this dCR and reply.
* Session #5.
* Fred: Can we note it?
* Richard: Yes.

**Decision:**

* Noted.

**S4-220445** is **noted.**

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| [S4-220449](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220449.zip) | LS on the MBS broadcast service continuity and MBS session identification | RAN2 | Jayeeta Saha |

**E-mail Discussion:**

**Online Discussion:**

* Fred reads the liaison.
* Thorsten: The header seems odd (August 2021).
* Fred: Maybe we already replied to this.
* Thorsten: I can’t recall but we should check it.
* Fred: Jayeeta could check if we already replied.
* Richard: Question 1 is more for SA2.
* Richard: Would be interesting to see SA2’s reply.
* Fred: Let’s park and Thorsten checks this first.

**Decision:**

* Parked pending review of SA2 response.

**Online Discussion:**

* Session #5.
* Fred: Should we postpone this?
* Fred: Need to respond, so let’s postpone it to the next meeting.

**Decision:**

* Postponed to the next meeting and we do further checking in the meantime.

**S4-220449** is **postponed.**

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| [S4-220452](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220452.zip) | LS on RAN2 agreements on NR QoE | RAN2 | Jayeeta Saha |

**E-mail Discussion:**

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| [[8.3 LS; 452] LS on RAN2 agreements on NR QoE](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;41194114.2204B&S=) | Gunnar Heikkilä | Fri, 8 Apr 2022 10:58:43 +0000 |
| [[8.3 LS; 453] LS on UE capabilities for NR QoE](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;753845fd.2204B&S=) | Gunnar Heikkilä | Fri, 8 Apr 2022 11:09:09 +0000 |
| [[8.3 LS; 454] LS on RAN3 agreements for NR QoE](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d7d2c462.2204B&S=) | Gunnar Heikkilä | Fri, 8 Apr 2022 11:12:55 +0000 |

**Online Discussion:**

* Gunnar presents the LS.
* Gunnar: Longest interval between reporting is changed 120ms -> 1s.
* Gunnar: In principle, no need to reply.
* Fred: We can take into account when we look at AT-related parts.

**Decision:**

* Noted and no reply.

**S4-220452** is **noted.**

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| [S4-220453](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220453.zip) | LS on UE capabilities for NR QoE | RAN2 | Jayeeta Saha |

**E-mail Discussion:**

**Online Discussion:**

* Gunnar presents the LS.
* Gunnar: We are already doing it this way, so we should be able to confirm.
* Qi: Fine. RAN don’t care.
* Gunnar: More to do with interaction between modem layer.

**Decision:**

* Reply to say yes, these are good assumptions.
* Gunnar to draft a short positive response.

**S4-220453** is **replied** in S4-220534**.**

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| [S4-220454](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220454.zip) | LS on RAN3 agreements for NR QoE | RAN3 | Jayeeta Saha |

**E-mail Discussion:**

**Online Discussion:**

* Gunnar presents the LS.
* Gunnar: The last 3 bullets in RAN-Visible QoE paragraph may have some impact on SA4.

**Decision:**

* Take into account the three bullets.
  + No need to pause/resume.
  + No need for additional reporting periodicities.
  + Can be sent together with legacy QoE reports.

**S4-220454** is **noted.**

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| [S4-220456](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220456.zip) | Reply LS on maximum number of MBS sessions that can be associated to a PDU session | SA2 | Jayeeta Saha |

**E-mail Discussion:**

**Online Discussion:**

* Fred reads the liaison from November 2021.
* Richard: I think I saw a response from SA6. From an application layer point of view, there is no limit. But that’s probably not what they want to hear.
* Thorsten: The question comes more from a radio capacity management point of view.
* Richard: 800 TV channels coming from a satellite, valid use case ? Why multiplexing multiple MBS sessions in the same PDU session?
* Thorsten: When you have multiple channels on screen (mosaic, pip) then you would multiplex into the same PDU session.
* Fred: Can we come up with an opinion for them?
* Thorsten: 4 too small. Power of 2 preferred. So 16, 32?
* Thomas: Device or signaling limitation?
* Fred: How many MBS sessions in one PDU session.
* Thomas: Why is the UE involved? It can receive multiple MBS sessions in parallel.
* Richard: Is this a limitation from the core for signalling those MBS sessions belonging to a PDU session?
* Fred: You could receive 32 MBS sessions in each one PDU session. But they don’t talk about UE capabilities.
* Thomas: do they want to enforce 8 tuners on the UE for instance?
* Fred: Let’s dig in what SA6 and RAN2 replied.
* Thorsten: I can do the checks.

**Decision:**

* Parked until Monday.
* Thorsten to dig into SA6 response.

**Online Discussion:**

**Decision:**

* Thorsten to draft response.
* Responded to 567.

**S4-220456** is **responded** to S4-220564**.**

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| [S4-220458](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220458.zip) | Reply LS on UE data collection and reporting | SA2 | Jayeeta Saha |

**E-mail Discussion:**

**Online Discussion:**

* Charles: This LS was sent from SA4#116-e. Mostly overtaken by events.
* Charles: We’ve mostly understood things. Some things are outside SA2’s control and we are working with CT3.
* Richard: SA2 doesn't currently have this idea of proxying between trusted domains.

**Decision:**

* No need to respond.

**S4-220458** is **noted.**

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| [S4-220462](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220462.zip) | LS on smart filtering and enhancement of LI | SA3 LI | Jayeeta Saha |

**E-mail Discussion:**

**Revisions:**

**Online Discussion:**

* Imed: Does it mean that the response should contain user identifier?
* Fred: They want to target a specific user.
* Imed: should the report contain the MPD url for instance to identify the content that is consumed?
* Richard: Regular report can already fulfill this.
* Fred: Maybe we could explain to them how to use the existing features of the specification.

**Decision:**

* Postpone response until work item complete, so we can answer definitively on the events exposed.

**S4-220462** is **postponed.**

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| [S4-220465](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220465.zip) | Reply LS on follow-up on EAS definition | SA6 | Jayeeta Saha |

**E-mail Discussion:**

**Revisions:**

**Online Discussion:**

* Imed presents the document.
* EAS affinity not supported in Rel-17, but will be studied by SA6 in Rel-18. We would need to update M1 provisioning accordingly in Rel-18.
* EAS context by reference is supported in Rel-17. Little/no impact expected on SA4 specification.

**Decision:**

* No need to answer.

**S4-220465** is **noted.**

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| --- | --- | --- | --- |
| [S4-220480](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220480.zip) | LIAISON on Content Encoding in MBMS FLUTE | DVB | Jayeeta Saha |

**E-mail Discussion:**

**Online Discussion:**

* Richard presents the liaison.
* Richard: In BBC, the question came up whether we could use FLUTE and GZip to compress objects. We wondered what was the use case to prohibit it.
* Thomas:
  + 1) Removed from profile as not supported in implementations
  + 2) GZIP generally supported (for example you can ZIP service announcement files), but not as part of the FLUTE stack implementation
  + 3) We would be ok to add this as a future feature, but not as a CR going backward
* Thomas: Could we do this as TEI17 in Rel-17?
* Fred: Let’s check what’s possible.
* Thomas: Could be in 5MBS version of FLUTE only.
* Fred: DVB still using MBMS in TS 26.346.
* Richard: DVB preference would be to include in Rel-17 (or even Rel-16) if possible.
* Fred: How about removing the constraint in Rel-17?
* Thorsten: Primarily a device-side thing.

**Decision:**

* Agreed to make the change to Rel-17.
* Fred will prepare a dCR in S4-220542 and will prepare a response to the LS.

**S4-220480** is **responded** in S4-220541**.**

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| S4-220489 | LS on Clarifications on Nmbstf\_MBSDistributionSession Service | CT4 | Jayeeta Saha |

**E-mail Discussion:**

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| [[3GPP\_TSG\_SA\_WG4] changing subject line - S4-220489](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;48f24d7f.2204B&S=) | Richard Bradbury | Mon, 11 Apr 2022 09:34:20 +0100 |
| [[3GPP\_TSG\_SA\_WG4] changing subject line - S4-220489](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c0c2284f.2204B&S=) | Thorsten Lohmar | Mon, 11 Apr 2022 16:46:51 +0000 |
| [[3GPP\_TSG\_SA\_WG4] changing subject line - S4-220489](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c55c3f62.2204B&S=) | Richard Bradbury | Mon, 11 Apr 2022 19:34:03 +0100 |

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| [[3GPP\_TSG\_SA\_WG4] changing subject line - S4-220489](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;536da94e.2204B&S=) | Richard Bradbury | Wed, 13 Apr 2022 12:25:53 +0100 |
| [[3GPP\_TSG\_SA\_WG4] changing subject line - S4-220489](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;19fc5f82.2204B&S=) | Thorsten Lohmar | Wed, 13 Apr 2022 11:55:06 +0000 |

**Revisions:**

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| [S4-220489\_C4-222300\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220489_C4-222300_BBC.docx) | 4/11/2022 8:30 |

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| [S4-220489\_C4-222300\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220489_C4-222300_BBC.docx) | 4/11/2022 8:30 |
| [S4-220489\_C4-222300\_BBC\_Ericsson.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220489_C4-222300_BBC_Ericsson.docx) | 4/11/2022 16:45 |

**Online Discussion:**

* Richard presents rBBC.
* Thorsten: (question 1) Are they using IP multicast for the ingest?
* Richard: It is up to us to decide.
* Fred: Quite extensive comments, let’s take the discussion offline.
* Late LS arrived during the SA4 meeting. Email thread started for the discussion, the thread should continue on the MBS reflector.

**Decision:**

* Parked for now, pending email discussion.
* Richard to draft the reply in S4-220544.

**S4-220489** is **responded** in S4-220544.

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| [draft S4-220544 Reponse LS on Clarifications on Nmbstf\_MBSDistributionSerssion service.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/draft%20S4-220544%20Reponse%20LS%20on%20Clarifications%20on%20Nmbstf_MBSDistributionSerssion%20service.docx) | 4/11/2022 18:33 |

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| [draft S4-220544 Reponse LS on Clarifications on Nmbstf\_MBSDistributionSerssion service\_Ericsson.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/draft%20S4-220544%20Reponse%20LS%20on%20Clarifications%20on%20Nmbstf_MBSDistributionSerssion%20service_Ericsson.docx)  **Online Discussion:**   * Richard presents 544 rEricsson * Richard: Question 1. Short conclusion, it’s a been confusion at stage 2 for the moment. * Thorsten: Agreed, proxy mode can work with multicast. Supportive of supporting multicast but at domain boundary unicast should not be ruled out. * Lots more detailed discussion between Richard and Thorsten * Fred: 24h extra discussion? * Richard: Yes. Even offline discussion would be good. * Thorsten to invite MBS for the offline and coordinate with interested parties. | 4/13/2022 11:54 |

## 8.4 Issues for immediate consideration

none

## 8.5 CRs to completed features in Release 17 and earlier

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| [S4-220346](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220346.zip) | [5MBUSA] MBS User Service procedures | BBC | Richard Bradbury |

**E-mail Discussion:**

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| [[8.5 Rel-17/5MBUSA; 346; Block A; 7Apr 1400 CEST] dCR to 26.502 on MBS User Service procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9f666700.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 10:29:53 +0000 |
| [[8.5 Rel-17/5MBUSA; 346; Block A; 7Apr 1400 CEST] dCR to 26.502 on MBS User Service procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;83cb15cb.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 11:49:56 +0100 |
| [[8.5 Rel-17/5MBUSA; 346; Block A; 7Apr 1400 CEST] dCR to 26.502 on MBS User Service procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ffc6482f.2204A&S=) | panqi (E) | Wed, 6 Apr 2022 15:34:51 +0000 |
| [[8.5 Rel-17/5MBUSA; 346; Block A; 7Apr 1400 CEST] dCR to 26.502 on MBS User Service procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d0c3d253.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 17:30:03 +0100 |
| [[8.5 Rel-17/5MBUSA; 346; Block A; 7Apr 1400 CEST] dCR to 26.502 on MBS User Service procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;41e2b780.2204A&S=) | Charles Lo | Thu, 7 Apr 2022 02:10:02 +0000 |
| [[8.5 Rel-17/5MBUSA; 346; Block A; 7Apr 1400 CEST] dCR to 26.502 on MBS User Service procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;45ff6e02.2204A&S=) | Thorsten Lohmar | Thu, 7 Apr 2022 08:23:09 +0000 |
| [[8.5 Rel-17/5MBUSA; 346; Block A; 7Apr 1400 CEST] dCR to 26.502 on MBS User Service procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3390b088.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 12:36:33 +0100 |
| [[8.5 Rel-17/5MBUSA; 346; Block A; 7Apr 1400 CEST] dCR to 26.502 on MBS User Service procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1a9f5212.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 13:05:17 +0100 |
| [[8.5 Rel-17/5MBUSA; 346; Block A; 7Apr 1400 CEST] dCR to 26.502 on MBS User Service procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f6d23647.2204A&S=) | Thorsten Lohmar | Thu, 7 Apr 2022 12:22:53 +0000 |

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| [[8.5 Rel-17/5MBUSA; 346; Block A; 7Apr 1400 CEST] dCR to 26.502 on MBS User Service procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b6ca6c14.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 20:02:07 +0100 |

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| [[8.5 Rel-17/5MBUSA; 346; Block A; 7Apr 1400 CEST] dCR to 26.502 on MBS User Service procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;82525171.2204B&S=) | Richard Bradbury | Tue, 12 Apr 2022 12:37:54 +0100 |

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| [[8.5 Rel-17/5MBUSA; 346; Block A; 7Apr 1400 CEST] dCR to 26.502 on MBS User Service procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fd7bed7d.2204B&S=) | Richard Bradbury | Wed, 13 Apr 2022 21:01:46 +0100 |

**Revisions:**

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| --- | --- |
| [S4-220346 TS26.502 dCR MBS User Service procedures-Huawe.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220346%20TS26.502%20dCR%20MBS%20User%20Service%20procedures-Huawe.docx) | 4/6/2022 15:33 |
| [S4-220346\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220346_BBC.docx) | 4/6/2022 10:48 |
| [S4-220346\_Ericsson.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220346_Ericsson.docx) | 4/7/2022 8:21 |
| [S4-220346\_Qualcomm.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220346_Qualcomm.docx) | 4/7/2022 2:09 |

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| [S4-220346r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220346r01.docx) | 4/7/2022 19:01 |

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| [S4-220346r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220346r02.docx) | 4/12/2022 11:29 |

**Online Discussion:**

* Huawei revision is presented.
* Fred: Let’s wait for a consolidation of this document.

**Decision:**

**Online Discussion:**

* Richard presents r2.
* Richard: Last changes are in Table 4.5.6-3. Trying to get more clarity. Postpone the conclusion after the offline discussion.
* Fred: Ok, we push this to the closing plenary. Otherwise postponed to the next meeting.

**Decision:**

* Revised to S4-220568.
* To be presented in the closing plenary.

**S4-220346** is **revised to** S4-220568**.**

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| [S4-220348](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220348.zip) | [5MBUSA] Additional stage 2 detail | BBC | Richard Bradbury |

**E-mail Discussion:**

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| [[8.5 Rel-17/5MBUSA; 348; Block A; 7Apr 1400 CEST] dCR to 26.502 on Additional stage 2 detail -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f5aa2a3.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 10:29:55 +0000 |
| [[8.5 Rel-17/5MBUSA; 348; Block A; 7Apr 1400 CEST] dCR to 26.502 on Additional stage 2 detail -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e37cd3f1.2204A&S=) | Thorsten Lohmar | Thu, 7 Apr 2022 08:30:36 +0000 |
| [[8.5 Rel-17/5MBUSA; 348; Block A; 7Apr 1400 CEST] dCR to 26.502 on Additional stage 2 detail -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;95befbbb.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 13:13:52 +0100 |

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| [[8.5 Rel-17/5MBUSA; 348->529; Block A; 7Apr 1400 CEST] dCR to 26.502 on Additional stage 2 detail -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;37507950.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 16:58:34 +0100 |
| [[8.5 Rel-17/5MBUSA; 348->529; Block A; 7Apr 1400 CEST] dCR to 26.502 on Additional stage 2 detail -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;12ad4508.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 14:57:25 +0100 |

**Revisions:**

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| --- | --- |
| [S4-220348 Ericsson.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220348%20Ericsson.docx) | 4/7/2022 8:29 |

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| [S4-220348r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220348r01.docx) | 4/7/2022 15:57 |

**Online Discussion:**

* Ericsson revision is presented.
* Richard proposed some text improvements via email to address received comments.
* Charles: Could we improve table 6.1-1 to make clear that a single object is part of an object collection?
* Richard: It’s actually two different things
* Charles: I thought the single object was part of the collection.
* Richard: No, that’s not the case
* Charles: Ok, I can live with this table.

**Decision:**

* Revised to 529 and agreed.

**S4-220348** is **revised to S4-220529 and agreed.**

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| [S4-220350](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220350.zip) | [5MBUSA] Corrections to 5GMS via eMBMS | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

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| [[8.5 Rel-17/5MBUSA; 350; Block A; 7Apr 1400 CEST] dCR to 26.502 on Corrections to 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;811b29f3.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 10:29:57 +0000 |
| [[8.5 Rel-17/5MBUSA; 350; Block A; 7Apr 1400 CEST] dCR to 26.502 on Corrections to 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;125cc419.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 11:55:48 +0100 |
| [[8.5 Rel-17/5MBUSA; 350; Block A; 7Apr 1400 CEST] dCR to 26.502 on Corrections to 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;461b38a7.2204A&S=) | Thomas Stockhammer | Thu, 7 Apr 2022 11:34:37 +0000 |
| [[8.5 Rel-17/5MBUSA; 350; Block A; 7Apr 1400 CEST] dCR to 26.502 on Corrections to 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d2ce1aee.2204A&S=) | Johann Mika | Thu, 7 Apr 2022 12:17:59 +0000 |

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| [[8.5 Rel-17/5MBUSA; 350; Block A; 7Apr 1400 CEST] dCR to 26.502 on Corrections to 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;37e72317.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 11:12:38 +0000 |

**Revisions:**

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| [S4-220350\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220350_BBC.docx) | 4/6/2022 10:54 |
| [S4-220350r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220350r01.docx) | 4/7/2022 11:34 |

**Online Discussion:**

* Thomas presents r01.
* Draft CR offered as the basis for further work.
* More changes may be added later.

**Decision:**

* S4-220530 is agreed as basis for further work.

**S4-220350** is **revised to S4-220530.**

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| [S4-220400](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220400.zip) | [EVEX] [5GMS\_EDGE] Expanded downlink provisioning procedures and domain model | BBC, Qualcomm Incorporated | Richard Bradbury |

**E-mail Discussion:**

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| [[8.5 Rel-17/5GMS\_EDGE/EVEX; 400; Block A; 7Apr 1400 CEST] dCR to 26.501 on Expanded downlink provisioning procedures and domain model -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5f2ee6b.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 10:36:17 +0000 |
| [[8.5 Rel-17/5GMS\_EDGE/EVEX; 400; Block A; 7Apr 1400 CEST] dCR to 26.501 on Expanded downlink provisioning procedures and domain model -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1116fe52.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 12:07:06 +0100 |
| [[8.5 Rel-17/5GMS\_EDGE/EVEX; 400; Block A; 7Apr 1400 CEST] dCR to 26.501 on Expanded downlink provisioning procedures and domain model -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a52836ba.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 20:47:08 +0000 |
| [[8.5 Rel-17/5GMS\_EDGE/EVEX; 400; Block A; 7Apr 1400 CEST] dCR to 26.501 on Expanded downlink provisioning procedures and domain model -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2f57cf04.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 09:45:06 +0100 |
| [[8.5 Rel-17/5GMS\_EDGE/EVEX; 400; Block A; 7Apr 1400 CEST] dCR to 26.501 on Expanded downlink provisioning procedures and domain model -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6e25a775.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 12:20:28 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220400** is **noted/agreed/revised.**

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| [S4-220407](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220407.zip) | Registration of URNs | Qualcomm CDMA Technologies | Thomas Stockhammer |

**E-mail Discussion:**

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| [[8.5 Rel-17; 407; Block A; 7Apr 1400 CEST] dCR to 26.247 on Registration of URNs -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f059a191.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 10:50:34 +0000 |
| [[8.5 Rel-17; 407; Block A; 7Apr 1400 CEST] dCR to 26.247 on Registration of URNs -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;95d82097.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 12:20:58 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220407** is **noted/agreed/revised.**

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| [S4-220423](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220423.zip) | CR TS 26.247 Support of NR QoE features | Huawei, HiSilicon | Qi Pan |

**E-mail Discussion:**

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| [[8.5 NR\_QoE-Core; 423; Block A; 8Apr 1400 CEST] dCR to 26.247 on Support of NR QoE features -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1b01ee56.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:09:45 +0000 |
| [[8.5 NR\_QoE-Core; 423; Block A; 8Apr 1400 CEST] dCR to 26.247 on Support of NR QoE features -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c56ec96b.2204A&S=) | Gunnar Heikkilä | Thu, 7 Apr 2022 11:18:09 +0000 |
| [[8.5 NR\_QoE-Core; 423; Block A; 8Apr 1400 CEST] dCR to 26.247 on Support of NR QoE features -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d60eaa95.2204A&S=) | Hyung-Nam Choi5 | Thu, 7 Apr 2022 12:18:56 +0000 |

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| [[8.5 NR\_QoE-Core; 423; Block A; 8Apr 1400 CEST] dCR to 26.247 on Support of NR QoE features -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7dfdc8c.2204B&S=) | panqi (E) | Fri, 8 Apr 2022 02:12:07 +0000 |
| [[8.5 NR\_QoE-Core; 423; Block A; 8Apr 1400 CEST] dCR to 26.247 on Support of NR QoE features -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5c3a504e.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 13:37:43 +0000 |
| [[8.5 NR\_QoE-Core; 423; Block A; 8Apr 1400 CEST] dCR to 26.247 on Support of NR QoE features -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2aa9f3cc.2204B&S=) | Hyung-Nam Choi5 | Fri, 8 Apr 2022 13:49:54 +0000 |
| [[8.5 NR\_QoE-Core; 423; Block A; 8Apr 1400 CEST] dCR to 26.247 on Support of NR QoE features -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b9048ffe.2204B&S=) | panqi (E) | Fri, 8 Apr 2022 14:17:20 +0000 |

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| [[8.5 NR\_QoE-Core; 423; Block A; 8Apr 1400 CEST] dCR to 26.247 on Support of NR QoE features -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;326f97c2.2204B&S=) | panqi (E) | Mon, 11 Apr 2022 07:51:04 +0000 |

**Revisions:**

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| [S4-220423r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220423r01.docx) | 4/8/2022 2:10 |

**Online Discussion:**

* Qi presents r01.
* Qi: Uses new AT command. Also add RAN-visible QoE report.
* Gunnar: Last sentence of NOTE should be a separate paragraph.
* Fred: Maximum size of QoE reports needs to be specified? I thought we decided we didn’t.
* Qi: Yes. We drafted conclusion in LS to RAN2.
* Charles: Not my understanding. Two documents almost identical saying same thing. We can’t control what application layer is doing. Large document could be segmented. If we generate 144,000 bytes, application layer sends the container to the Access Stratum (AS) layer and the AS layer needs to deal with it. We can’t control the maximum size of the container.
* Gunnar: What happens if we exceed the maximum size when invoking the AT command? Doesn’t change what the application does.
* Fred: Who is in favour of setting a limit?
* Qi: Figure out how to remove the limitation.
* Gunnar: Original reason was that it was 8,000 bytes and SA4 needed to consider. Triggered interaction with RAN and led to segmentation feature. This is good for information, but not super-useful.
* Charles: Also not appropriate. Can’t constrain the application layer. Just talking about container size, not packet size.
* Gunnar: There are some things that can be done, but can’t cut down something larger than the maximum.
* Qi: OK to remove the limitation for NR.
* Gunnar: The 144,000 is coming from RAN2. We just repeat it.
* Fred: Just state the fact. We don’t constrain anything. We can’t force the application to stay below this size.
* Richard: RAN-Visible should be with a hyphen. The “Note that …” sentence should be a NOTE formatted text.

**Decision:**

* Content agreeable modulo editorial fixes.
* Can await full CR at SA4#119-e.

**S4-220423** is **revised** to S4-220535

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| [S4-220535](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220423.zip) | CR TS 26.247 Support of NR QoE features | Huawei, HiSilicon | Qi Pan |

**E-mail Discussion:**

**Revisions:**

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| [draft S4-220535.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/draft%20S4-220535.docx) | 4/8/2022 16:57 |

**Online Discussion:**

**Decision:**

**S4-220535** is **revised/agreed/noted**.

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| [S4-220426](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220426.zip) | Security mechanisms for MBS traffic | Huawei, HiSilicon | Qi Pan |

**E-mail Discussion:**

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| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f6e0842a.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 10:29:58 +0000 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d6f6fc31.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 12:04:45 +0100 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7126fc8b.2204A&S=) | Charles Lo | Thu, 7 Apr 2022 02:29:26 +0000 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5177536f.2204A&S=) | panqi (E) | Thu, 7 Apr 2022 07:59:39 +0000 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;21410e93.2204A&S=) | Thorsten Lohmar | Thu, 7 Apr 2022 08:48:46 +0000 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;74bb97fa.2204A&S=) | panqi (E) | Thu, 7 Apr 2022 09:47:20 +0000 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;38ac31e.2204A&S=) | panqi (E) | Thu, 7 Apr 2022 10:26:11 +0000 |

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| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a7185921.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 21:07:41 +0100 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b860c15e.2204A&S=) | Charles Lo | Thu, 7 Apr 2022 20:16:18 +0000 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3686b895.2204B&S=) | Charles Lo | Fri, 8 Apr 2022 05:04:12 +0000 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7eceec0.2204B&S=) | Thorsten Lohmar | Fri, 8 Apr 2022 06:05:30 +0000 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e78ac634.2204B&S=) | panqi (E) | Fri, 8 Apr 2022 08:57:36 +0000 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dfb0e8e0.2204B&S=) | Thorsten Lohmar | Fri, 8 Apr 2022 09:25:54 +0000 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fcdd1690.2204B&S=) | panqi (E) | Fri, 8 Apr 2022 10:52:47 +0000 |

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| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ad84985e.2204B&S=) | panqi (E) | Mon, 11 Apr 2022 10:16:34 +0000 |

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| --- | --- | --- | --- |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b80e010c.2204B&S=) | Richard Bradbury | |  | | --- | | Tue, 12 Apr 2022 15:28:44 +0100 | |

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| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9bf34549.2204B&S=) | panqi (E) | Wed, 13 Apr 2022 08:33:44 +0000 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4243978a.2204B&S=) | Richard Bradbury | Wed, 13 Apr 2022 11:38:35 +0100 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;83cd40ad.2204B&S=) | panqi (E) | Wed, 13 Apr 2022 11:40:04 +0000 |
| [[8.5 Rel-17/5MBUSA; 426; Block A; 7Apr 1400 CEST] dCR to 26.502 on Security mechanisms for MBS traffic -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b49fa4e9.2204B&S=) | Thorsten Lohmar | Wed, 13 Apr 2022 11:56:19 +0000 |

**Revisions:**

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| [S4-220426 Ericsson.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220426%20Ericsson.docx) | 4/7/2022 8:46 |
| [S4-220426\_Qualcomm.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220426_Qualcomm.docx) | 4/7/2022 2:26 |
| [S4-220426r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220426r01.docx) | 4/7/2022 7:59 |
| [S4-220426r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220426r02.docx) | 4/7/2022 10:24 |

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| [S4-220426r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220426r03.docx) | 4/11/2022 9:28 |

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| [S4-220426r03\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220426r03_BBC.docx) | 4/12/2022 14:24 |

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| [S4-220426r04.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220426r04.docx) | 4/13/2022 8:22 |
| [S4-220426r04\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220426r04_BBC.docx) | 4/13/2022 10:36 |
| [S4-220426r05.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220426r05.docx) | 4/13/2022 11:33 |

**Online Discussion:**

* Qi presents r02 which addresses the received comments.
* Charles: Did you integrate the proposed changes?
* Qi: yes
* Fred: Why do we need to document this (4.8)
* Qi: Application provider needs this for provisioning (?bad audio?)
* Thorsten: Need more time to consider. We should avoid stage 3 details (e.g. MIKEY) in a stage 2 specification. Is this only for RTP streaming or GCS, or for object delivery too? Has implications on MBSTF to apply the encryption.
* Qi: No limit in SA3 spec, so assume applies to all MBS distribution methods.
* Thorsten: Need to come up with a protocol for MIKEY. Not sure how it works for transparent delivery. Would be good to decide which distribution methods security could be useful for. In case of objects, maybe better to handle using DRM instead.
* Richard: SA3 design seems flawed and not workable. We cannot progress this. It should be better to manage keys in a control plane entity.
* More comments are presented in the draft LS Richard uploaded in the inbox (not a TDoc) (<https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-22xxxx%20LS%20on%20security%20architecture%20for%205G%20multicast-broadcast%20services.docx>)
* Richard: The data flow seems even contradictory to SA4 and SA3 architectures (cf HTTP POST in question 8 of draft LS)

**Decision:**

* Revise 426 in the same TDoc number.
* If hope for consensus on LS (S4-220531), let’s review draft on Monday

**Online Discussion:**

* Qi presents r05.
* Qi: In 4.8, new paragraph added from Richard in clause 4.8.3. The case MBSTF deployed outside of the trusted domain is not reasonable to me.
* Richard: There is collaboration where some of these functions can live outside.
* Thorsten: Does not make sense in my opinion. SA3 security measures only useful for operators, service providers will do their own things.
* Thorsten: Can we get an extension for this stage 2 details?
* Fred: We won’t get an exception for stage 2 but maybe for stage 3. But if something is broken we need to fix it.
* Thomas: Is it a new feature in MBS? Why is it happening now at the last minute?
* Charles: We should ask for support instead of trying to fix it like this last minute.
* Thorsten: Content provider encryption is not visible, everything over TLS. It is only make when the MBSTF is within the operator domain, but then still questionable in the case would do something on top of this.
* Richard: We need to reach out to SA3 to fix it the right way.
* Fred: This is the purpose of 531.

**Decision:**

* Fixes to be discussed at the next meeting.

**S4-220426** is **noted.**

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| S4-220531 | Security mechanisms for MBS traffic | Huawei, HiSilicon | Qi Pan |

**E-Mail Discussion:**

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| [[5MBUSA] 531; Draft LS to SA3 on Security architecture for 5G multicast-broadcast services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ad3eeefc.2204B&S=) | Richard Bradbury | Wed, 13 Apr 2022 12:18:12 +0100 |

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| [[5MBUSA] 531; Draft LS to SA3 on Security architecture for 5G multicast-broadcast services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ecd37d36.2204B&S=) | Richard Bradbury | Wed, 13 Apr 2022 19:07:53 +0100 |
| [[5MBUSA] 531; Draft LS to SA3 on Security architecture for 5G multicast-broadcast services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6912c54e.2204B&S=) | Charles Lo | Wed, 13 Apr 2022 19:46:20 +0000 |
| [[5MBUSA] 531; Draft LS to SA3 on Security architecture for 5G multicast-broadcast services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3e839bd3.2204B&S=) | Richard Bradbury | Wed, 13 Apr 2022 21:07:45 +0100 |
| [[5MBUSA] 531; Draft LS to SA3 on Security architecture for 5G multicast-broadcast services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;acebe7f9.2204B&S=) | Charles Lo | Wed, 13 Apr 2022 20:55:44 +0000 |
| [[5MBUSA] 531; Draft LS to SA3 on Security architecture for 5G multicast-broadcast services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b7b557b3.2204B&S=) | Charles Lo | Wed, 13 Apr 2022 21:09:44 +0000 |
| [[5MBUSA] 531; Draft LS to SA3 on Security architecture for 5G multicast-broadcast services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6f93ca43.2204B&S=) | panqi (E) | Thu, 14 Apr 2022 03:56:03 +0000 |
| [[5MBUSA] 531; Draft LS to SA3 on Security architecture for 5G multicast-broadcast services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ddd3a06c.2204B&S=) | Charles Lo | Thu, 14 Apr 2022 05:11:53 +0000 |
| [[5MBUSA] 531; Draft LS to SA3 on Security architecture for 5G multicast-broadcast services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;441167ff.2204B&S=) | Charles Lo | Thu, 14 Apr 2022 06:24:11 +0000 |
| [[5MBUSA] 531; Draft LS to SA3 on Security architecture for 5G multicast-broadcast services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2c2092c6.2204B&S=) | Charles Lo | Thu, 14 Apr 2022 06:26:56 +0000 |
| [[5MBUSA] 531; Draft LS to SA3 on Security architecture for 5G multicast-broadcast services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b9359a05.2204B&S=) | Charles Lo | Thu, 14 Apr 2022 06:27:22 +0000 |

**Revisions:**

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| [S4-22xxxx LS on security architecture for 5G multicast-broadcast services.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-22xxxx%20LS%20on%20security%20architecture%20for%205G%20multicast-broadcast%20services.docx) | 4/5/2022 18:27 |
| [S4-22xxxx LS on security architecture for 5G multicast-broadcast services\_Huawei.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-22xxxx%20LS%20on%20security%20architecture%20for%205G%20multicast-broadcast%20services_Huawei.docx) | 4/7/2022 9:46 |
| [S4-22xxxx LS on security architecture for 5G multicast-broadcast services\_Huawei\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-22xxxx%20LS%20on%20security%20architecture%20for%205G%20multicast-broadcast%20services_Huawei_BBC.docx) | 4/7/2022 20:04 |
| [S4-22xxxx LS on security architecture for 5G multicast-broadcast services\_Huawei\_BBC\_Qualcomm.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-22xxxx%20LS%20on%20security%20architecture%20for%205G%20multicast-broadcast%20services_Huawei_BBC_Qualcomm.docx) | 4/8/2022 5:02 |
| [S4-22xxxx LS on security architecture for 5G multicast-broadcast services\_Huawei\_BBC\_Qualcomm\_Huawei.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-22xxxx%20LS%20on%20security%20architecture%20for%205G%20multicast-broadcast%20services_Huawei_BBC_Qualcomm_Huawei.docx) | 4/11/2022 9:28 |

<https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-22xxxx%20LS%20on%20security%20architecture%20for%205G%20multicast-broadcast%20services_Huawei_BBC_Qualcomm_Huawei.docx>

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| [draft S4-220531 LS on security architecture for 5G multicast-broadcast servicesdocx.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/draft%20S4-220531%20LS%20on%20security%20architecture%20for%205G%20multicast-broadcast%20servicesdocx.docx) | 4/13/2022 11:13 |

**Online Discussion:**

* Richard presents draft HW BBC QC HW.
* Richard: It seems not a good design in SA3, there is nothing we can do about it. The document also contains updates to understand the consequences in SA4 if we would adopt this in SA4.
* Further update to be provided by Richard tomorrow.

**Decision:**

**Online Discussion:**

* Richard presents 531 draft.
* Richard:
  + Question 1, request to clarify the spec.
  + Question 2, clear answer in the spec.
* Charles: Preference to take out Q2
* Fred: More discussion needed. We need 531 for the closing plenary.

**Decision:**

**S4-2204531** is **noted/agreed/revised.**

## 8.6 EVEX (5GMS AF Event Exposure)

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| [S4-220486](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220486.zip) | Requirement on UE Behavior regarding QoE Measurement and Reporting | Qualcomm Incorporated | Charles Lo |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.5 TEI17; 486; Block A; 8Apr 1400 CEST] dCR to 26.247 on Requirement on UE Behavior regarding QoE Measurement and Reporting -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;75b2be4.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:09:54 +0000 |
| [[8.5 TEI17; 486; Block A; 8Apr 1400 CEST] dCR to 26.247 on Requirement on UE Behavior regarding QoE Measurement and Reporting -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8aa53f08.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 13:38:23 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

* Agreed by e-mail.

**S4-220486** is **agreed.**

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| [S4-220347](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220347.zip) | [EVEX] Data collection and reporting for 5G Media Streaming | BBC, Qualcomm Incorporated | Richard Bradbury |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.6 EVEX; 347; Block A; 8Apr 1400 CEST] dCR to 26.501 on Data collection and reporting for 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;85dbfec5.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:09:55 +0000 |
| [[8.6 EVEX; 347; Block A; 8Apr 1400 CEST] dCR to 26.501 on Data collection and reporting for 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c98c37bc.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 12:23:27 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

* Agreed by email,

**S4-220347** is **agreed.**

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| [S4-220349](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220349.zip) | [EVEX] Editor's draft TS 26.531 V1.2.0 | BBC | Richard Bradbury |

**E-mail Discussion:**

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| [[8.6 EVEX; 349; Block A; 8Apr 1400 CEST] Draft TS 26.531 1.2.0 Data Collection and Reporting; General Description and Architecture (Rel-17) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9a7a9c19.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:09:57 +0000 |
| [[8.6 EVEX; 349; Block A; 8Apr 1400 CEST] Draft TS 26.531 1.2.0 Data Collection and Reporting; General Description and Architecture (Rel-17) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f57bc95.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 12:24:20 +0000 |

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| [[8.6 EVEX; 349; Block A; 8Apr 1400 CEST] Draft TS 26.531 1.2.0 Data Collection and Reporting; General Description and Architecture (Rel-17) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7322c5c1.2204B&S=) | Thorsten Lohmar | Mon, 11 Apr 2022 15:41:40 +0000 |
| [[8.6 EVEX; 349; Block A; 8Apr 1400 CEST] Draft TS 26.531 1.2.0 Data Collection and Reporting; General Description and Architecture (Rel-17) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f54f9ef7.2204B&S=) | Richard Bradbury | Mon, 11 Apr 2022 16:55:41 +0100 |
| [[8.6 EVEX; 349->559; Block A; 8Apr 1400 CEST] Draft TS 26.531 1.2.0 Data Collection and Reporting; General Description and Architecture (Rel-17) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c183ff21.2204B&S=) | Richard Bradbury | Tue, 12 Apr 2022 13:53:29 +0100 |

**Revisions:**

**Online Discussion:**

**Decision:**

* Agreed by e-mail.

**S4-220349** is **agreed.**

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| --- | --- | --- | --- |
| S4-220381 | Support for Data Collection and Reporting in 5G Media Streaming | Qualcomm Incorporated, BBC | Charles Lo |

**E-mail Discussion:**

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220381** is **noted/agreed/revised.**

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| S4-220386 | Editor's Draft TS 26.532 V1.1.0 | Qualcomm Incorporated | Charles Lo |

**E-mail Discussion:**

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220386** is **noted/agreed/revised.**

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| [S4-220387](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220387.zip) | Updates and corrections to 26.532 | Ericsson LM, BBC, Qualcomm Incorporated | Gunnar Heikkilä |

**E-mail Discussion:**

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| [[8.6 EVEX; 387; Block A; 8Apr 1400 CEST] pCR to 26.532 on Updates and corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;50554bde.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:09:59 +0000 |
| [[8.6 EVEX; 387; Block A; 8Apr 1400 CEST] pCR to 26.532 on Updates and corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4a41ccb3.2204B&S=) | Gunnar Heikkilä | Fri, 8 Apr 2022 09:20:00 +0000 |
| [[8.6 EVEX; 387; Block A; 8Apr 1400 CEST] pCR to 26.532 on Updates and corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7ec76564.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 11:34:36 +0100 |
| [[8.6 EVEX; 387; Block A; 8Apr 1400 CEST] pCR to 26.532 on Updates and corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6fb9c3b7.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 12:25:54 +0000 |

**Revisions:**

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| --- | --- |
| [S4-220387r01 pCR 26.532 Updates and corrections to 26.532.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220387r01%20pCR%2026.532%20Updates%20and%20corrections%20to%2026.532.docx) | 4/8/2022 9:10 |

**Online Discussion:**

* r01 presented
* Gunnar: Content previously agreed in ad hoc meeting. Just a small editorial change in clause 4.3.2.2 in response to feedback from Charles.

**Decision:**

* Content agreed.

**S4-220387** is **revised** to S4-220536 which is agreed**.**

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| [S4-220394](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220394.zip) | Update of Indirect Data Collection Client and Application Server text | Ericsson LM, BBC | Gunnar Heikkilä |

**E-mail Discussion:**

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| [[8.6 EVEX; 394; Block A; 8Apr 1400 CEST] pCR to 26.532 on Update of Indirect Data Collection Client and Application Server text -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;98ac7b9c.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:10:04 +0000 |
| [[8.6 EVEX; 394; Block A; 8Apr 1400 CEST] pCR to 26.532 on Update of Indirect Data Collection Client and Application Server text -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a3f09485.2204A&S=) | Charles Lo | Thu, 7 Apr 2022 17:17:31 +0000 |
| [[8.6 EVEX; 394; Block A; 8Apr 1400 CEST] pCR to 26.532 on Update of Indirect Data Collection Client and Application Server text -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;14940d84.2204A&S=) | Gunnar Heikkilä | Thu, 7 Apr 2022 19:01:35 +0000 |
| [[8.6 EVEX; 394; Block A; 8Apr 1400 CEST] pCR to 26.532 on Update of Indirect Data Collection Client and Application Server text -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4a247ede.2204A&S=) | Charles Lo | Thu, 7 Apr 2022 19:14:27 +0000 |
| [[8.6 EVEX; 394; Block A; 8Apr 1400 CEST] pCR to 26.532 on Update of Indirect Data Collection Client and Application Server text -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b8ede890.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 20:18:42 +0100 |
| [[8.6 EVEX; 394; Block A; 8Apr 1400 CEST] pCR to 26.532 on Update of Indirect Data Collection Client and Application Server text -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;356b64d1.2204B&S=) | Gunnar Heikkilä | Fri, 8 Apr 2022 09:12:36 +0000 |
| [[8.6 EVEX; 394; Block A; 8Apr 1400 CEST] pCR to 26.532 on Update of Indirect Data Collection Client and Application Server text -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;758063f8.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 11:14:49 +0100 |
| [[8.6 EVEX; 394; Block A; 8Apr 1400 CEST] pCR to 26.532 on Update of Indirect Data Collection Client and Application Server text -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e47d1362.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 12:26:45 +0000 |

**Revisions:**

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| [S4-220394\_Qualcomm.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220394_Qualcomm.docx) | 4/7/2022 17:16 |
| [S4-220394r01 pCR 26.532 Update of Indirect Data Collection Client and Application Server text.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220394r01%20pCR%2026.532%20Update%20of%20Indirect%20Data%20Collection%20Client%20and%20Application%20Server%20text.docx) | 4/8/2022 9:10 |

**Online Discussion:**

* r01 presented by Gunnar.
* Gunnar: Agreeable except for small editorial fix in clause 4.2.4.2 and 4.2.5.2 proposed by Charles.

**Decision:**

* Content agreeable.

**S4-220394** is **revised** to S4-220537 which is agreed**.**

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| [S4-220398](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220398.zip) | Minor update of Data Collection and Reporting Configuration API | Ericsson LM, BBC, Qualcomm Incorporated | Gunnar Heikkilä |

**E-mail Discussion:**

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| [[8.6 EVEX; 398; Block A; 8Apr 1400 CEST] pCR to 26.532 on Minor update of Data Collection and Reporting Configuration API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5d8f14ac.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:10:06 +0000 |
| [[8.6 EVEX; 398; Block A; 8Apr 1400 CEST] pCR to 26.532 on Minor update of Data Collection and Reporting Configuration API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7fc4e9ec.2204A&S=) | Charles Lo | Thu, 7 Apr 2022 17:32:13 +0000 |
| [[8.6 EVEX; 398; Block A; 8Apr 1400 CEST] pCR to 26.532 on Minor update of Data Collection and Reporting Configuration API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fa18109e.2204A&S=) | Gunnar Heikkilä | Thu, 7 Apr 2022 18:39:16 +0000 |
| [[8.6 EVEX; 398; Block A; 8Apr 1400 CEST] pCR to 26.532 on Minor update of Data Collection and Reporting Configuration API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;346d8098.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 20:12:51 +0100 |
| [[8.6 EVEX; 398; Block A; 8Apr 1400 CEST] pCR to 26.532 on Minor update of Data Collection and Reporting Configuration API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a6985d01.2204B&S=) | Gunnar Heikkilä | Fri, 8 Apr 2022 09:15:48 +0000 |
| [[8.6 EVEX; 398; Block A; 8Apr 1400 CEST] pCR to 26.532 on Minor update of Data Collection and Reporting Configuration API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;27bc396d.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 11:27:31 +0100 |
| [[8.6 EVEX; 398; Block A; 8Apr 1400 CEST] pCR to 26.532 on Minor update of Data Collection and Reporting Configuration API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f090477.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 12:27:49 +0000 |

**Revisions:**

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| [S4-220398\_Qualcomm.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220398_Qualcomm.docx) | 4/7/2022 17:24 |
| [S4-220398r01\_pCR 26.532 Minor update of Data Collection and Reporting Configuration API.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220398r01_pCR%2026.532%20Minor%20update%20of%20Data%20Collection%20and%20Reporting%20Configuration%20API.docx) | 4/8/2022 9:10 |

**Online Discussion:**

* r01 presented by Gunnar.
* Gunnar: Added “access” before “token” three times to avoid ambiguity.

**Decision:**

* Content is agreeable.

**S4-220398** is **revised** to S4-220538 which is agreed for inclusion in TS 26.532 by the editor.

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| S4-220402 | Support for Data Collection and Reporting in 5G Media Streaming | Qualcomm Incorporated, BBC | Charles Lo |

**E-mail Discussion:**

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220402** is **noted/agreed/revised.**

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| [S4-220403](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220403.zip) | [EVEX] Support for Data Collection and Reporting in 5G Media Streaming | Qualcomm Incorporated, BBC | Charles Lo |

**E-mail Discussion:**

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| [[8.6 EVEX; 403; Block A; 8Apr 1400 CEST] pCR to 26.512 on Support for Data Collection and Reporting for 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f90a682f.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:10:09 +0000 |
| [[8.6 EVEX; 403; Block A; 8Apr 1400 CEST] pCR to 26.512 on Support for Data Collection and Reporting for 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e76b3834.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:15:15 +0000 |
| [[8.6 EVEX; 403; Block A; 8Apr 1400 CEST] pCR to 26.512 on Support for Data Collection and Reporting for 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d52c61f8.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 15:30:53 +0100 |
| [[8.6 EVEX; 403; Block A; 8Apr 1400 CEST] pCR to 26.512 on Support for Data Collection and Reporting for 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fc1432e8.2204A&S=) | Charles Lo | Thu, 7 Apr 2022 21:04:32 +0000 |
| [[8.6 EVEX; 403; Block A; 8Apr 1400 CEST] pCR to 26.512 on Support for Data Collection and Reporting for 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5a57dcde.2204A&S=) | Charles Lo | Thu, 7 Apr 2022 21:22:07 +0000 |
| [[8.6 EVEX; 403; Block A; 8Apr 1400 CEST] pCR to 26.512 on Support for Data Collection and Reporting for 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fab83293.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 09:43:53 +0100 |
| [[8.6 EVEX; 403; Block A; 8Apr 1400 CEST] pCR to 26.512 on Support for Data Collection and Reporting for 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;be026de.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 12:36:44 +0000 |

**Revisions:**

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| [S4-220403\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220403_BBC.docx) | 4/7/2022 14:27 |
| [S4-220403r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220403r01.docx) | 4/7/2022 20:59 |
| [S4-220403r01\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220403r01_BBC.docx) | 4/8/2022 8:43 |

**Online Discussion:**

* Charles and Richard presents r01 BBC.
* Richard: We could cross reference the metris of the DASH QoE metrics in table 7.3.11.
* Richard: (18) Must 5GMS support all 5 features as a whole or individual support? I am not sure yet.
* Gunnar: It is up to us to decide. Modularity is nice. But no strong opinion.
* Fred: More discussion offline?
* Richard: The text now supports either options but we should make the decision at some point.

**Decision:**

* Defer decision on one negotiated feature or five for now.
* Agree with as base text.

**S4-220403** is **revised** to S4-220540.

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| S4-220404 | [EVEX] Draft of Indicative TS 26.512 V17.0.0 | Qualcomm Incorporated | Charles Lo |

**E-mail Discussion:**

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220404** is **noted/agreed/revised.**

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| S4-220405 | [EVEX] Editor's Draft TS 26.532 V1.1.0 | Qualcomm Incorporated | Charles Lo |

**E-mail Discussion:**

**Revisions:**

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| [S4-220405\_Editor's Draft TS 26.532 V1.1.0.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220405_Editor's%20Draft%20TS%2026.532%20V1.1.0.docx) | 4/10/2022 19:04 |
| [S4-220405\_Editor's Draft TS 26.532 V1.1.0\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220405_Editor's%20Draft%20TS%2026.532%20V1.1.0_BBC.docx) | 4/11/2022 8:12 |
| [S4-220405\_Editor's Draft TS 26.532 V1.1.0\_BBC\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220405_Editor's%20Draft%20TS%2026.532%20V1.1.0_BBC_BBC.docx) | 4/11/2022 8:13 |

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| [S4-220405r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220405r01.docx) | 4/11/2022 13:47 |
| [S4-220405r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220405r02.docx) | 4/11/2022 14:13 |
| [S4-220405r02\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220405r02_BBC.docx) | 4/11/2022 14:38 |
| [S4-220405r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220405r03.docx) | 4/11/2022 17:24 |

**Online Discussion:**

**Decision:**

**S4-220405** is **noted/agreed/revised.**

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| S4-220419 | [EVEX] Proposed Work Plan | Rappoteur (Qualcomm Incorporated) | Charles Lo |

**E-mail Discussion:**

**Revisions:**

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| [S4-220419 Work Plan for EVEX v0.4.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220419%20Work%20Plan%20for%20EVEX%20v0.4.doc) | 4/11/2022 5:09 |

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| [S4-220419r01.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220419r01.doc) | 4/12/2022 17:54 |

**Online Discussion:**

**Decision:**

**S4-220419** is **noted/agreed/revised.**

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| [S4-220425](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220425.zip) | discussion on use cases of new event type for exposure in 5GMS | Huawei, HiSilicon | Qi Pan |

**E-mail Discussion:**

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| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fb6d1f2f.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:10:11 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4dd3112f.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 15:32:38 +0100 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;158b0bbe.2204B&S=) | panqi (E) | Fri, 8 Apr 2022 10:15:15 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8f38993b.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 12:51:20 +0100 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;64e218a3.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 12:56:36 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1a4df9c8.2204B&S=) | panqi (E) | Fri, 8 Apr 2022 13:26:27 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4fd1ea65.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 13:46:28 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;88c8dffb.2204B&S=) | panqi (E) | Fri, 8 Apr 2022 14:15:31 +0000 |

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| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;59fbfeca.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 19:56:01 +0100 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ea206884.2204B&S=) | Charles Lo | Mon, 11 Apr 2022 04:25:21 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1de94536.2204B&S=) | panqi (E) | Mon, 11 Apr 2022 07:47:49 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;54822e46.2204B&S=) | Richard Bradbury | Mon, 11 Apr 2022 12:32:49 +0100 |

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| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;26483b11.2204B&S=) | panqi (E) | Mon, 11 Apr 2022 13:54:38 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c8bac718.2204B&S=) | Richard Bradbury | Mon, 11 Apr 2022 15:32:20 +0100 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b6d59511.2204B&S=) | Charles Lo | Mon, 11 Apr 2022 14:45:28 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7864108e.2204B&S=) | panqi (E) | Mon, 11 Apr 2022 15:19:33 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2b6bacfe.2204B&S=) | Richard Bradbury | Mon, 11 Apr 2022 16:47:46 +0100 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c924d36f.2204B&S=) | panqi (E) | Mon, 11 Apr 2022 15:52:28 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;32506858.2204B&S=) | Charles Lo | Tue, 12 Apr 2022 02:11:10 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;84b183ab.2204B&S=) | panqi (E) | Tue, 12 Apr 2022 02:31:42 +0000 |
| [[8.6 EVEX; 425; Block A; 8Apr 1400 CEST] discussion on use cases of new event type for exposure in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;10f4c6b5.2204B&S=) | Charles Lo | Tue, 12 Apr 2022 06:31:24 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220425** is **noted/agreed/revised.**

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| [S4-220485](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220485.zip) | [EVEX] Additional Text for Currently Empty Sections | Qualcomm Incorporated | Charles Lo |

**E-mail Discussion:**

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| [[8.6 EVEX; 485; Block A; 8Apr 1400 CEST] pCR to 26.532 on Additional Text for Currently Empty Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;290f0588.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:10:07 +0000 |
| [[8.6 EVEX; 485; Block A; 8Apr 1400 CEST] pCR to 26.532 on Additional Text for Currently Empty Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ff6fbe7d.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 15:34:48 +0100 |
| [[8.6 EVEX; 485; Block A; 8Apr 1400 CEST] pCR to 26.532 on Additional Text for Currently Empty Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;16f40097.2204A&S=) | Charles Lo | Thu, 7 Apr 2022 19:06:22 +0000 |
| [[8.6 EVEX; 485; Block A; 8Apr 1400 CEST] pCR to 26.532 on Additional Text for Currently Empty Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4c715ecc.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 22:15:04 +0100 |
| [[8.6 EVEX; 485; Block A; 8Apr 1400 CEST] pCR to 26.532 on Additional Text for Currently Empty Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3d4c9baa.2204A&S=) | Charles Lo | |  | | --- | | Thu, 7 Apr 2022 22:01:02 +0000 | |
| [[8.6 EVEX; 485; Block A; 8Apr 1400 CEST] pCR to 26.532 on Additional Text for Currently Empty Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;83a22753.2204B&S=) | Charles Lo | Fri, 8 Apr 2022 06:09:53 +0000 |
| [[8.6 EVEX; 485; Block A; 8Apr 1400 CEST] pCR to 26.532 on Additional Text for Currently Empty Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;119a836f.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 10:03:45 +0100 |
| [[8.6 EVEX; 485; Block A; 8Apr 1400 CEST] pCR to 26.532 on Additional Text for Currently Empty Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b58292ed.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 12:33:39 +0100 |
| [[8.6 EVEX; 485; Block A; 8Apr 1400 CEST] pCR to 26.532 on Additional Text for Currently Empty Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;66efad1f.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 12:34:43 +0000 |
| [[8.6 EVEX; 485; Block A; 8Apr 1400 CEST] pCR to 26.532 on Additional Text for Currently Empty Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3a94e031.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 14:02:52 +0100 |

**Revisions:**

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| [S4-220485\_Ericsson.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220485_Ericsson.docx) | 4/5/2022 11:17 |
| [S4-220485\_Ericsson\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220485_Ericsson_BBC.docx) | 4/5/2022 11:17 |
| [S4-220485\_Ericsson\_BBC\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220485_Ericsson_BBC_BBC.docx) | 4/6/2022 15:42 |
| [S4-220485\_Ericsson\_BBC\_BBC\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220485_Ericsson_BBC_BBC_BBC.docx) | 4/6/2022 15:54 |
| [S4-220485r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220485r01.docx) | 4/7/2022 1:53 |

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| [S4-220485r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220485r02.docx) | 4/7/2022 19:03 |
| [S4-220485r02\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220485r02_BBC.docx) | 4/7/2022 21:05 |
| [S4-220485r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220485r03.docx) | 4/7/2022 21:59 |
| [S4-220485r04.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220485r04.docx) | 4/8/2022 6:08 |
| [S4-220485r04\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220485r04_BBC.docx) | 4/8/2022 9:03 |
| [S4-220485r04\_BBC\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220485r04_BBC_BBC.docx) | 4/8/2022 11:31 |
| [S4-220485r04\_BBC\_BBC\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220485r04_BBC_BBC_BBC.docx) | 4/8/2022 12:58 |

**Online Discussion:**

* Richard presents the r04 BBC BBC BBC
* Richard: This DataAccesProfile will be shared between different specs. The point of the addition of targetEventConsumer is to point to which profile this data access applies to. The targetEventConsumer can also be empty in which case it applies to all consumers.
* Charles: I am ok with the changes in this revision.

**Decision:**

* Content agreeable.

**S4-220485** is **revised** to S4-220539 which is agreed without presentation, to be integrated into TS 26.532.

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| S4-220533 | [EVEX] dCR on Use Cases for newly-defined 5GMS events | Huawei, Hisilicon | Qi Pan |

**Revisions:**

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| [DRAFT S4-220533\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/DRAFT%20S4-220533_BBC.docx) | 4/8/2022 18:54 |
| [DRAFT S4-220533\_BBC\_Qualcomm.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/DRAFT%20S4-220533_BBC_Qualcomm.docx) | 4/11/2022 4:20 |
| [DRAFT S4-220533\_draft CR on use cases for newly defined 5GMS event.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/DRAFT%20S4-220533_draft%20CR%20on%20use%20cases%20for%20newly%20defined%205GMS%20event.docx) | 4/8/2022 14:14 |
| [DRAFT S4-220533\_r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/DRAFT%20S4-220533_r01.docx) | 4/11/2022 7:45 |
| [DRAFT S4-220533\_r01\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/DRAFT%20S4-220533_r01_BBC.docx) | 4/11/2022 11:29 |
| [DRAFT S4-220533\_r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/DRAFT%20S4-220533_r02.docx) | 4/11/2022 12:30 |

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| [S4-220533\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220533_BBC.docx) | 4/11/2022 14:31 |

**Online Discussion:**

* Qi presents r02.

**Decision:**

* Qi to upload to meeting inbox.

**S4-220533** is **agreed**.

## 8.7 5MBP3 (5G Multicast-Broadcast Protocols)

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| [S4-220351](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220351.zip) | [5MBP3] xMB Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

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| [[8.7 5MBP3; 351; Block A; 8Apr 1400 CEST] dCR to 26.348 on xMB Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;934bd7f7.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:37:07 +0000 |
| [[8.7 5MBP3; 351; Block A; 8Apr 1400 CEST] dCR to 26.348 on xMB Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3ce74925.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 15:39:56 +0100 |
| [[8.7 5MBP3; 351; Block A; 8Apr 1400 CEST] dCR to 26.348 on xMB Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;64f0273c.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 13:00:50 +0000 |
| [[8.7 5MBP3; 351; Block A; 8Apr 1400 CEST] dCR to 26.348 on xMB Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;512e090f.2204B&S=) | Thomas Stockhammer | |  | | --- | | Fri, 8 Apr 2022 14:31:33 +0000 | |

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| [[8.7 5MBP3; 351; Block A; 8Apr 1400 CEST] dCR to 26.348 on xMB Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;848b8179.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 18:17:15 +0100 |
| [[8.7 5MBP3; 351; Block A; 8Apr 1400 CEST] dCR to 26.348 on xMB Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9d6fdbb3.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 12:55:58 +0000 |

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| [[8.7 5MBP3; 351; Block A; 8Apr 1400 CEST] dCR to 26.348 on xMB Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9d6fdbb3.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 12:55:58 +0000 |

**Revisions:**

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| [S4-220351\_BBC.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220351_BBC.doc) | 4/7/2022 14:38 |
| [S4-220351r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220351r01.docx) | 4/8/2022 14:30 |

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| [S4-220351r01\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220351r01_BBC.docx) | 4/8/2022 17:16 |
| [S4-220351r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220351r02.docx) | 4/11/2022 12:53 |

**Online Discussion:**

* r02 incorporating BBC feedback presented by Thomas.
* Now in dCR format.
* Just stage 2. Doesn’t seem to require any CT3 updates.
* Thorsten: Maybe no technical things in CT3. But some people only read CT3 stage 3 specifications.
* Thomas: Let’s finalise this, then send to CT3 for their opinion.

**Decision:**

* Agree content as basis for further work.

**S4-220351** is **revised** to S4-220545which is agreed as the basis of further work.

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| [S4-220352](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220352.zip) | [5MBP3] User Service Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

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| [[8.7 5MBP3; 352; Block A; 8Apr 1400 CEST] dCR to 26.346 on User Service Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9761f699.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:37:11 +0000 |
| [[8.7 5MBP3; 352; Block A; 8Apr 1400 CEST] dCR to 26.346 on User Service Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6d92b198.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 13:01:22 +0000 |

**Decision:**

* Agreed via e-mail.

**S4-220352** is **agreed.**

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| [S4-220353](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220353.zip) | [5MBP3] API Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

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| [[8.7 5MBP3; 353; Block A; 8Apr 1400 CEST] dCR to 26.347 on API Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e4406d81.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:37:12 +0000 |
| [[8.7 5MBP3; 353; Block A; 8Apr 1400 CEST] dCR to 26.347 on API Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2888263f.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 15:41:32 +0100 |
| [[8.7 5MBP3; 353; Block A; 8Apr 1400 CEST] dCR to 26.347 on API Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a101f822.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 13:03:16 +0000 |

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| [[8.7 5MBP3; 353; Block A; 8Apr 1400 CEST] dCR to 26.347 on API Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1698d8ef.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 11:10:37 +0000 |

**Revisions:**

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| [S4-220353r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220353r01.docx) | 4/11/2022 11:03 |

**Online Discussion:**

* Thomas presents r01.

**Decision:**

* Agreed as basis for further work.

**S4-220353** is **revised** to S4-220560 which is agreed**.**

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| [S4-220354](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220354.zip) | [5MBP3] 5GMS Protocol Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

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| [[8.7 5MBP3; 354; Block A; 8Apr 1400 CEST] dCR to 26.512 on 5GMS Protocol Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3b80f399.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:37:15 +0000 |
| [[8.7 5MBP3; 354; Block A; 8Apr 1400 CEST] dCR to 26.512 on 5GMS Protocol Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2c2ed67c.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 15:56:55 +0100 |
| [[8.7 5MBP3; 354; Block A; 8Apr 1400 CEST] dCR to 26.512 on 5GMS Protocol Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7bd3af83.2204B&S=) | Johann Mika | Fri, 8 Apr 2022 10:32:24 +0000 |
| [[8.7 5MBP3; 354; Block A; 8Apr 1400 CEST] dCR to 26.512 on 5GMS Protocol Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e2444130.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 13:47:43 +0100 |
| [[8.7 5MBP3; 354; Block A; 8Apr 1400 CEST] dCR to 26.512 on 5GMS Protocol Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;902dfa24.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 13:05:34 +0000 |

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| [[8.7 5MBP3; 354; Block A; 8Apr 1400 CEST] dCR to 26.512 on 5GMS Protocol Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f7d5e81.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 12:11:53 +0000 |
| [[8.7 5MBP3; 354; Block A; 8Apr 1400 CEST] dCR to 26.512 on 5GMS Protocol Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;40c24810.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 12:29:15 +0000 |

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| [[8.7 5MBP3; 354; Block A; 8Apr 1400 CEST] dCR to 26.512 on 5GMS Protocol Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f7d5e81.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 12:11:53 +0000 |
| [[8.7 5MBP3; 354; Block A; 8Apr 1400 CEST] dCR to 26.512 on 5GMS Protocol Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;40c24810.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 12:29:15 +0000 |
| [[8.7 5MBP3; 354; Block A; 8Apr 1400 CEST] dCR to 26.512 on 5GMS Protocol Extensions for 5GMS via eMBMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;40c24810.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 12:29:15 +0000 |

**Revisions:**

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| [S4-220354\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220354_BBC.docx) | 4/7/2022 14:48 |

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| [S4-220354r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220354r01.docx) | 4/11/2022 12:30 |

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| [S4-220353r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220353r01.docx) | 4/11/2022 11:03 |

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| [S4-220547\_dCR TS 26.512 Support for Data Collection and Reporting in 5G Media Streaming.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220547_dCR%20TS%2026.512%20Support%20for%20Data%20Collection%20and%20Reporting%20in%205G%20Media%20Streaming.docx) | 4/12/2022 6:02 | 94,1 KB |

**Online Discussion:**

* Thomas presents r01.
* Thomas: Technical questions: 1) How would the certificate handling work? 2) Consumption reporting stored locally?

**Decision:**

* More work to do to answer open questions, but agreeable as the basis of further work.

**S4-220354** is **revised** to S4-220540 which is agreed**.**

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| [S4-220547r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220547r01.docx) | 4/12/2022 15:03 |

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| [[EVEX] 540->547; revised dCR to TS 26.512](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b51bc587.2204B&S=) | Richard Bradbury | Tue, 12 Apr 2022 11:56:59 +0100 |
| [[EVEX] 540->547; revised dCR to TS 26.512](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b819e26e.2204B&S=) | Charles Lo | Tue, 12 Apr 2022 15:20:53 +0000 |

**Online Discussion:**

* Charles presents 547r01.
* Charles:
  + Reference number updated (due to proper version of TS 26.512 the updated dCR should be directed against being V17.0.0 instead of V16.4.0).
* Wrong allocation, this 547 should actually be 540.

**Decision:**

* Agreed.

**S4-220540** is **revised** to S4-220569 which is agreed**.**

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| [S4-220470](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220470.zip) | [5MBP3]: Stage 3 Proposal for Clause 7 (Packet Distribution Method) | Ericsson LM | Thorsten Lohmar |

**E-mail Discussion:**

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| [[8.7 5MBP3; 470; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 7 (Packet Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d4e362.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:37:16 +0000 |
| [[8.7 5MBP3; 470; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 7 (Packet Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b2c3d60c.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 15:58:16 +0100 |
| [[8.7 5MBP3; 470; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 7 (Packet Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3aae87c5.2204B&S=) | Charles Lo | Fri, 8 Apr 2022 05:08:46 +0000 |
| [[8.7 5MBP3; 470; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 7 (Packet Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3a95e73d.2204B&S=) | Thomas Stockhammer | Fri, 8 Apr 2022 11:39:59 +0000 |
| [[8.7 5MBP3; 470; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 7 (Packet Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;17107471.2204B&S=) | Thorsten Lohmar | Fri, 8 Apr 2022 12:26:48 +0000 |
| [[8.7 5MBP3; 470; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 7 (Packet Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3f735ad5.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 13:07:00 +0000 |
| [[8.7 5MBP3; 470; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 7 (Packet Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1269fbad.2204B&S=) | Thorsten Lohmar | Fri, 8 Apr 2022 14:27:32 +0000 |

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| [[8.7 5MBP3; 470; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 7 (Packet Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;aa5d6d1b.2204B&S=) | Thorsten Lohmar | Wed, 13 Apr 2022 08:37:44 +0000 |

**Revisions:**

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| [S4-220470\_Qualcomm.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220470_Qualcomm.docx) | 4/8/2022 5:06 |

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| [S4-220470r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220470r01.docx) | 4/13/2022 8:37 |

**Online Discussion:**

* Fred: Discussion over email but no conclusion.
* Thomas: Offline happened today. Thorsten to do updates based on the offline discussion.

**Decision:**

**Online Discussion (470, 471, 472):**

* Fred: Can we note them?
* Richard: 472 quite mature now.
* Ref: Let’s revise 472 then to S4-220570.

**Decision:**

* 570 to be presented in the closing plenary.
* 470 and 471 good content but not ready yet to be agreed.
  + The editor may integrate into the draft TS in square brackets.

**S4-220472** is **revised to** S4-220570**.**

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| [S4-220471](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220471.zip) | [5MBP3]: Stage 3 Proposal for Clause 6 (Object Distribution Method) | Ericsson LM | Thorsten Lohmar |

**E-mail Discussion:**

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| [[8.7 5MBP3; 471; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 6 (Object Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7694592d.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:37:18 +0000 |
| [[8.7 5MBP3; 471; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 6 (Object Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;43126ea2.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 15:59:33 +0100 |
| [[8.7 5MBP3; 471; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 6 (Object Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2c331a38.2204B&S=) | Charles Lo | Fri, 8 Apr 2022 06:03:47 +0000 |
| [[8.7 5MBP3; 471; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 6 (Object Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7778fa74.2204B&S=) | Thorsten Lohmar | Fri, 8 Apr 2022 06:49:01 +0000 |
| [[8.7 5MBP3; 471; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 6 (Object Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;66a6c40.2204B&S=) | Thorsten Lohmar | Fri, 8 Apr 2022 09:52:58 +0000 |
| [[8.7 5MBP3; 471; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 6 (Object Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f88a9f00.2204B&S=) | Thomas Stockhammer | Fri, 8 Apr 2022 11:35:09 +0000 |
| [[8.7 5MBP3; 471; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 6 (Object Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;31992890.2204B&S=) | Thorsten Lohmar | Fri, 8 Apr 2022 12:25:03 +0000 |
| [[8.7 5MBP3; 471; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 6 (Object Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1ffe701e.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 13:25:34 +0000 |

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| [[8.7 5MBP3; 471; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 6 (Object Distribution Method) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;13224eb.2204B&S=) | Thorsten Lohmar | Wed, 13 Apr 2022 07:36:28 +0000 |

**Revisions:**

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| [S4-220471\_Qualcomm.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220471_Qualcomm.docx) | 4/8/2022 5:25 |
| [S4-220471r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220471r01.docx) | 4/8/2022 9:45 |
| [S4-220471r01\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220471r01_QCOM.docx) | 4/8/2022 11:30 |
| [S4-220471r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220471r02.docx) | 4/8/2022 14:27 |

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| [S4-220471r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220471r03.docx) | 4/13/2022 7:34 |

**Online Discussion:**

* Thorsten summarises offline telco of 11th April:
  + Move away from copying and use referencing text from MBMS instead. Based on Annex L profile of FLUTE.
  + Need to check how best to map MBMS terms to MBS terms. One idea is to put it in 26.346 another idea is 26.517.
  + Add a new collapsed 2022 FLUTE FDT schema. Allow both old and new to be used.
  + On SDP: Concluded we need a new SDP specification in TS 26.517 because the MBMS spec only focusses on broadcast but not multicast.
  + Some discussion on QoS, but no conclusion yet.

**Decision:**

**S4-220471** is **noted.**

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| [S4-220472](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220472.zip) | [5MBP3]: Stage 3 Proposal for Clause 5 (Service Announcement) | Ericsson LM | Thorsten Lohmar |

**E-mail Discussion:**

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| [[8.7 5MBP3; 472; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 5 (Service Announcement) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;aa42483d.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:37:19 +0000 |
| [[8.7 5MBP3; 472; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 5 (Service Announcement) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;378c0f87.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 16:03:34 +0100 |
| [[8.7 5MBP3; 472; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 5 (Service Announcement) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ca8528cd.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 13:27:44 +0000 |
| [[8.7 5MBP3; 472; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 5 (Service Announcement) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;71506b0.2204B&S=) | Thorsten Lohmar | Fri, 8 Apr 2022 14:13:01 +0000 |

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| [[8.7 5MBP3; 472; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 5 (Service Announcement) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;352dade0.2204B&S=) | Thorsten Lohmar | Wed, 13 Apr 2022 09:59:06 +0000 |
| [[8.7 5MBP3; 472; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 5 (Service Announcement) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4237fc6d.2204B&S=) | Richard Bradbury | Wed, 13 Apr 2022 13:28:10 +0100 |

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| [[8.7 5MBP3; 472; Block A; 8Apr 1400 CEST] pCR to 26.517 on Stage 3 Proposal for Clause 5 (Service Announcement) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b0dd7742.2204B&S=) | Thorsten Lohmar | Thu, 14 Apr 2022 07:10:25 +0000 |

**Revisions:**

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| [S4-220472\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220472_BBC.docx) | 4/7/2022 15:02 |
| [S4-220472r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220472r01.docx) | 4/8/2022 14:12 |

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| [S4-220472r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220472r02.docx) | 4/13/2022 9:58 |

**Online Discussion:**

**Decision:**

**S4-220472** is **revised to 570 (see 470).**

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| [S4-220473](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220473.zip) | Identification of ingest scenarios for MBS Object Distribution | Ericsson LM | Thorsten Lohmar |

**E-mail Discussion:**

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| [[8.7 5MBP3; 473; Block A; 8Apr 1400 CEST] DP on Identification of ingest scenarios for MBS Object Distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9b44bd2c.2204A&S=) | Gabin, Frederic | Thu, 7 Apr 2022 11:37:20 +0000 |
| [[8.7 5MBP3; 473; Block A; 8Apr 1400 CEST] DP on Identification of ingest scenarios for MBS Object Distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5b6e0018.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 16:07:18 +0100 |
| [[8.7 5MBP3; 473; Block A; 8Apr 1400 CEST] DP on Identification of ingest scenarios for MBS Object Distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9bbb2e62.2204B&S=) | Thorsten Lohmar | Fri, 8 Apr 2022 10:00:34 +0000 |
| [[8.7 5MBP3; 473; Block A; 8Apr 1400 CEST] DP on Identification of ingest scenarios for MBS Object Distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;861312de.2204B&S=) | Thomas Stockhammer | Fri, 8 Apr 2022 11:48:24 +0000 |
| [[8.7 5MBP3; 473; Block A; 8Apr 1400 CEST] DP on Identification of ingest scenarios for MBS Object Distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b6eafc05.2204B&S=) | Gabin, Frederic | Fri, 8 Apr 2022 13:35:54 +0000 |

**Revisions:**

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| [S4-220473r01.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220473r01.doc) | 4/8/2022 9:59 |

**Online Discussion:**

* Thorsten presents r01 including Richard’s comments.
* Thorsten: Need to discuss more how file delivery is done. Different usage of manifest. Need to think some more. Sometimes manifest can make sense. In xMB there is a “Files” subresource that is manipulated via xMB. Could make sense for the MBSTF. Should it be a separate manifest? Should it be pulled from the MBSTF or manipulated?

**Decision:**

* Parked for now.

**Online Discussion:**

* Thorsten: We need to discuss more on this.

**Decision:**

* Noted, more discussion needed.

**S4-220473** is **noted.**

## 8.8 5GMS\_EDGE\_3 (Edge Extensions to 5GMS Stage 3)

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| [S4-220379](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220379.zip) | draft consolidated CR on Edge | Qualcomm Technologies Ireland | Imed Bouazizi |

**E-mail Discussion:**

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| [[8.8 5GMS\_EDGE\_3; 379; Block A; 7Apr 1400 CEST] dCR to 26.512 on Adding Edge Support -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c74b5ead.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 11:17:40 +0000 |
| [[8.8 5GMS\_EDGE\_3; 379; Block A; 7Apr 1400 CEST] dCR to 26.512 on Adding Edge Support -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6f877fa4.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 14:17:45 +0100 |
| [[8.8 5GMS\_EDGE\_3; 379; Block A; 7Apr 1400 CEST] dCR to 26.512 on Adding Edge Support -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a4b97b4b.2204A&S=) | panqi (E) | Wed, 6 Apr 2022 15:22:41 +0000 |
| [[8.8 5GMS\_EDGE\_3; 379; Block A; 7Apr 1400 CEST] dCR to 26.512 on Adding Edge Support -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ac77ffd1.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 17:15:15 +0100 |
| [[8.8 5GMS\_EDGE\_3; 379; Block A; 7Apr 1400 CEST] dCR to 26.512 on Adding Edge Support -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;78485189.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 19:13:03 +0000 |
| [[8.8 5GMS\_EDGE\_3; 379; Block A; 7Apr 1400 CEST] dCR to 26.512 on Adding Edge Support -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2ed7ffa9.2204A&S=) | Imed Bouazizi | Thu, 7 Apr 2022 02:33:37 +0000 |
| [[8.8 5GMS\_EDGE\_3; 379; Block A; 7Apr 1400 CEST] dCR to 26.512 on Adding Edge Support -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b217ef93.2204A&S=) | Imed Bouazizi | Thu, 7 Apr 2022 02:37:46 +0000 |
| [[8.8 5GMS\_EDGE\_3; 379; Block A; 7Apr 1400 CEST] dCR to 26.512 on Adding Edge Support -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;901f333e.2204A&S=) | Imed Bouazizi | Thu, 7 Apr 2022 02:44:45 +0000 |
| [[8.8 5GMS\_EDGE\_3; 379; Block A; 7Apr 1400 CEST] dCR to 26.512 on Adding Edge Support -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;36681f2f.2204A&S=) | panqi (E) | Thu, 7 Apr 2022 07:15:59 +0000 |
| [[8.8 5GMS\_EDGE\_3; 379; Block A; 7Apr 1400 CEST] dCR to 26.512 on Adding Edge Support -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b63fa8a4.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 12:11:10 +0100 |

**Revisions:**

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| [S4-220379\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220379_BBC.docx) | 4/6/2022 13:15 |

**Online Discussion:**

* Imed presents rBBC.
* Imed: It’s a long CR consolidating many previously agreeable changes.
* Richard: (11.2.3.2) If you are discovering and you only give the provider id, is it enough? Is the 5GMS AS modelled as a category or type or feature?
* Iraj: Need to have a more fine-grained way of describing 5GMS than just “5GMS AS”.
* Qi: (4.7.2.1) question on this section.
* Imed: Edge is contextual and the SAI has to be written by the 5GMS AF because it could be dynamically changing (e.g. the discovery template). For the M8 case, only a reference to SAI is passed over M6.
* Iraj: Agree that AF has the latest SAI, but in terms of overall design, agree with Qi that we should in future provide a way to pass the information via a client API.
* Imed: Would M6 or M5 information take precedence? I think M5.
* Iraj: Agree.
* Imed: Could relax to say configuration over M5 has precedence over M8+M6. And we can change it in Rel-18.
* Richard: Need to consider how M6 works with EDGE-5 when SA6 defines it.
* Imed: M6 should take into account what SA6 does with EDGE-5 in Rel-18.

**Decision:**

* Imed aiming to produce a revision.

**S4-220379** is **revised** to S4-220564 which is agreed**.**

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| [S4-220564.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220564.docx) | 4/12/2022 19:21 |
| [S4-220564\_r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220564_r01.docx) | 4/13/2022 4:33 |
| [S4-220564r01\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220564r01_BBC.docx) | 4/13/2022 11:45 |
| [S4-220564-Tencent.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220564-Tencent.docx) | 4/12/2022 21:29 |

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| [[Edge] 564 in the drafts](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1c5b86a5.2204B&S=) | Imed Bouazizi | Tue, 12 Apr 2022 19:23:04 +0000 |
| [[Edge] 564 in the drafts](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;af076feb.2204B&S=) | Iraj Sodagar | Tue, 12 Apr 2022 21:33:49 +0000 |
| [[Edge] 564 in the drafts](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;85d81fff.2204B&S=) | Imed Bouazizi | Wed, 13 Apr 2022 04:34:06 +0000 |
| [[Edge] 564 in the drafts](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f3821e28.2204B&S=) | Richard Bradbury | Wed, 13 Apr 2022 12:50:27 +0100 |
| [[Edge] 564 in the drafts](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;793c12d6.2204B&S=) | Imed Bouazizi | Wed, 13 Apr 2022 12:39:42 +0000 |

**Online Discussion:**

* Imed presents 564r02.
* Changes:
  + Small diff
  + Quality gets better and close from closing the topic.

**Decision:**

* Agreed, Baseline for further work.

**S4-220564** is **agreed** as basis for further work**.**

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| [S4-220380](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220380.zip) | draft CR on API for client-driven edge management | Qualcomm Technologies Ireland | Imed Bouazizi |

**E-mail Discussion:**

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| [[8.8 5GMS\_EDGE\_3; 380; Block A; 7Apr 1400 CEST] dCR to 26.512 on API for client-driven edge management -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;599bc96d.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 11:17:51 +0000 |
| [[8.8 5GMS\_EDGE\_3; 380; Block A; 7Apr 1400 CEST] dCR to 26.512 on API for client-driven edge management -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;98ab90ee.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 14:28:38 +0100 |
| [[8.8 5GMS\_EDGE\_3; 380; Block A; 7Apr 1400 CEST] dCR to 26.512 on API for client-driven edge management -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4ae21dbd.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 18:01:10 +0000 |
| [[8.8 5GMS\_EDGE\_3; 380; Block A; 7Apr 1400 CEST] dCR to 26.512 on API for client-driven edge management -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b99a562a.2204A&S=) | Imed Bouazizi | Wed, 6 Apr 2022 18:07:46 +0000 |

**Revisions:**

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| --- | --- |
| [S4-220380\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220380_BBC.docx) | 4/6/2022 13:19 |

**Online Discussion:**

* Imed presents.
* This is a minimalistic M6 where the app can request client-driven edge resources and subsequently receives notifications about their status.
* rBBC provides editorial changes and no functionnal modification.

**Decision:**

* Further discussion offline.

**S4-220380** is **noted.**

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| [S4-220411](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220411.zip) | [EDGE] Discussion on edge provisioning procedures | Tencent Cloud | Iraj Sodagar |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.8 5GMS\_EDGE\_3; 411; Block A; 7Apr 1400 CEST] Discussion on edge provisioning signalling and procedures -> for discussion](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;84e291a4.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 11:18:09 +0000 |
| [[8.8 5GMS\_EDGE\_3; 411; Block A; 7Apr 1400 CEST] Discussion on edge provisioning signalling and procedures -> for discussion](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b42c0473.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 14:50:41 +0100 |
| [[8.8 5GMS\_EDGE\_3; 411; Block A; 7Apr 1400 CEST] Discussion on edge provisioning signalling and procedures -> for discussion](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;925f3836.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 14:21:04 +0000 |
| [[8.8 5GMS\_EDGE\_3; 411; Block A; 7Apr 1400 CEST] Discussion on edge provisioning signalling and procedures -> for discussion](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;eb4c1cfe.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 17:12:05 +0000 |
| [[8.8 5GMS\_EDGE\_3; 411; Block A; 7Apr 1400 CEST] Discussion on edge provisioning signalling and procedures -> for discussion](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;883ca9b7.2204A&S=) | Imed Bouazizi | Thu, 7 Apr 2022 02:49:02 +0000 |
| [[8.8 5GMS\_EDGE\_3; 411; Block A; 7Apr 1400 CEST] Discussion on edge provisioning signalling and procedures -> for discussion](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6fffe78a.2204A&S=) | Iraj Sodagar | Thu, 7 Apr 2022 05:09:15 +0000 |

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| [[8.8 5GMS\_EDGE\_3; 411; Block A; 7Apr 1400 CEST] Discussion on edge provisioning signalling and procedures -> for discussion](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;33dbeb6.2204A&S=) | Imed Bouazizi | Thu, 7 Apr 2022 21:27:24 +0000 |

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| [[8.8 5GMS\_EDGE\_3; 411; Block A; 7Apr 1400 CEST] Discussion on edge provisioning signalling and procedures -> for discussion](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;bc987a7a.2204B&S=) | Iraj Sodagar | Tue, 12 Apr 2022 11:09:18 +0000 |

**Revisions:**

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| [S4-220411-EDGE-Discussion-r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220411-EDGE-Discussion-r01.docx) | 4/7/2022 23:02 |

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| [S4-220411-EDGE-Discussion-r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220411-EDGE-Discussion-r02.docx) | 4/12/2022 11:04 |

**Online Discussion:**

**Decision:**

**S4-220411** is **noted/agreed/revised.**

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| [S4-220412](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220412.zip) | [EDGE] Improved CR on M1 edge provisioning | Tencent Cloud | Iraj Sodagar |

**E-mail Discussion:**

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| [[8.8 5GMS\_EDGE\_3; 412; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on M1 edge provisioning-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b9df891a.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 11:18:19 +0000 |
| [[8.8 5GMS\_EDGE\_3; 412; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on M1 edge provisioning-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b92dedc2.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 14:53:55 +0100 |
| [[8.8 5GMS\_EDGE\_3; 412; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on M1 edge provisioning-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;946043bf.2204A&S=) | panqi (E) | Wed, 6 Apr 2022 15:06:26 +0000 |
| [[8.8 5GMS\_EDGE\_3; 412; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on M1 edge provisioning-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;61bdb0c6.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 17:29:04 +0000 |
| [[8.8 5GMS\_EDGE\_3; 412; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on M1 edge provisioning-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8b5a06e4.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 18:39:46 +0100 |
| [[8.8 5GMS\_EDGE\_3; 412; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on M1 edge provisioning-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d99aaf81.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 17:45:05 +0000 |
| [[8.8 5GMS\_EDGE\_3; 412; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on M1 edge provisioning-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;582a926d.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 19:43:49 +0000 |
| [[8.8 5GMS\_EDGE\_3; 412; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on M1 edge provisioning-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1a224332.2204A&S=) | Imed Bouazizi | Thu, 7 Apr 2022 02:06:10 +0000 |
| [[8.8 5GMS\_EDGE\_3; 412; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on M1 edge provisioning-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2f2130f3.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 20:51:14 -0700 |
| [[8.8 5GMS\_EDGE\_3; 412; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on M1 edge provisioning-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;73081509.2204A&S=) | Imed Bouazizi | Thu, 7 Apr 2022 04:09:10 +0000 |
| [[8.8 5GMS\_EDGE\_3; 412; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on M1 edge provisioning-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;675f1d12.2204A&S=) | Iraj Sodagar | Thu, 7 Apr 2022 04:32:53 +0000 |
| [[8.8 5GMS\_EDGE\_3; 412; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on M1 edge provisioning-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;48332f5.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 11:23:19 +0100 |

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220412** is **noted.**

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| [S4-220413](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220413.zip) | [EDGE] Improved CR on signaling edge configuration over M5 | Tencent Cloud | Iraj Sodagar |

**E-mail Discussion:**

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| [[8.8 5GMS\_EDGE\_3; 413; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge configuration signaling over M5 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6605425d.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 11:18:26 +0000 |
| [[8.8 5GMS\_EDGE\_3; 413; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge configuration signaling over M5 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dc21dd23.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 14:59:34 +0100 |
| [[8.8 5GMS\_EDGE\_3; 413; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge configuration signaling over M5 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a88620f6.2204A&S=) | panqi (E) | Wed, 6 Apr 2022 15:18:02 +0000 |
| [[8.8 5GMS\_EDGE\_3; 413; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge configuration signaling over M5 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;77cfe2a6.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 17:42:05 +0000 |
| [[8.8 5GMS\_EDGE\_3; 413; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge configuration signaling over M5 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;da9f2e03.2204A&S=) | Imed Bouazizi | Thu, 7 Apr 2022 02:51:13 +0000 |
| [[8.8 5GMS\_EDGE\_3; 413; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge configuration signaling over M5 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d19cba8d.2204A&S=) | panqi (E) | Thu, 7 Apr 2022 03:31:00 +0000 |
| [[8.8 5GMS\_EDGE\_3; 413; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge configuration signaling over M5 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;20b57937.2204A&S=) | Iraj Sodagar | Thu, 7 Apr 2022 04:38:54 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

* Content to become a CR to TS 26.501 in SA4#118-e.

**S4-220413** is **noted.**

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| [S4-220414](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220414.zip) | [EDGE] Improved CR on edge provisioning procedures | Tencent Cloud | Iraj Sodagar |

**E-mail Discussion:**

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| [[8.8 5GMS\_EDGE\_3; 414; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b2ff9ecc.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 11:18:37 +0000 |
| [[8.8 5GMS\_EDGE\_3; 414; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;376b5e7b.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 15:00:59 +0100 |
| [[8.8 5GMS\_EDGE\_3; 414; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;15eccb99.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 17:54:06 +0000 |
| [[8.8 5GMS\_EDGE\_3; 414; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5aa5d2ad.2204A&S=) | Imed Bouazizi | Wed, 6 Apr 2022 18:04:40 +0000 |
| [[8.8 5GMS\_EDGE\_3; 414; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;22e60bb4.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 21:33:50 +0000 |
| [[8.8 5GMS\_EDGE\_3; 414; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;703a0709.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 10:02:22 +0100 |
| [[8.8 5GMS\_EDGE\_3; 414; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;52faf035.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 11:01:14 +0100 |

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| [[8.8 5GMS\_EDGE\_3; 414; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dc944d.2204B&S=) | Iraj Sodagar | Tue, 12 Apr 2022 21:13:29 +0000 |
| [[8.8 5GMS\_EDGE\_3; 414; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9050d7ea.2204B&S=) | Richard Bradbury | Wed, 13 Apr 2022 12:58:53 +0100 |

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| [[8.8 5GMS\_EDGE\_3; 414; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b62e36d9.2204B&S=) | Imed Bouazizi | Wed, 13 Apr 2022 12:48:22 +0000 |
| [[8.8 5GMS\_EDGE\_3; 414; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dbbb77a0.2204B&S=) | Iraj Sodagar | Wed, 13 Apr 2022 14:15:06 +0000 |
| [[8.8 5GMS\_EDGE\_3; 414->571; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;43765181.2204B&S=) | Richard Bradbury | Wed, 13 Apr 2022 20:21:30 +0100 |
| [[8.8 5GMS\_EDGE\_3; 414->571; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c7d7bcbc.2204B&S=) | Iraj Sodagar | Wed, 13 Apr 2022 19:47:38 +0000 |
| [[8.8 5GMS\_EDGE\_3; 414->571; Block A; 7Apr 1400 CEST] dCR to 26.512 on Improved CR on edge provisioning procedures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7158ccfe.2204B&S=) | Iraj Sodagar | Thu, 14 Apr 2022 06:31:58 +0000 |

**Revisions:**

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| [S4-220414-EDGE-Provisioning-dCR\_IB.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220414-EDGE-Provisioning-dCR_IB.docx) | 4/6/2022 18:02 |
| [S4-220414-EDGE-Provisioning-dCR\_IB-Tencent.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220414-EDGE-Provisioning-dCR_IB-Tencent.docx) | 4/6/2022 21:27 |

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| [S4-220414-EDGE-Provisioning-dCR\_r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220414-EDGE-Provisioning-dCR_r02.docx) | 4/12/2022 21:02 |
| [S4-220414-EDGE-Provisioning-dCR\_r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220414-EDGE-Provisioning-dCR_r03.docx) | 4/12/2022 21:10 |

**Online Discussion:**

* Richard presents r03\_IB
* Richard: Not really time for looking at it
* Fred: Let’s push it to the closing plenary.

**Decision:**

* Richard to review and feed back via reflector.
* Revised to S4-220571.
* 571 to be presented at the closing plenary. Iraj to make it ready following Richard’s feedback.

**S4-220414** is **revised to** S4-220571**.**

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| [S4-220415](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220415.zip) | [EDGE] Requesting edge server discovery over M6 | Tencent Cloud | Iraj Sodagar |

**E-mail Discussion:**

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| [[8.8 5GMS\_EDGE\_3; 415; Block A; 7Apr 1400 CEST] dCR to 26.512 on Requesting edge server discovery over M6 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e7c8ebd5.2204A&S=) | Gabin, Frederic | Wed, 6 Apr 2022 11:18:44 +0000 |
| [[8.8 5GMS\_EDGE\_3; 415; Block A; 7Apr 1400 CEST] dCR to 26.512 on Requesting edge server discovery over M6 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a7c7e839.2204A&S=) | Richard Bradbury | Wed, 6 Apr 2022 15:08:37 +0100 |
| [[8.8 5GMS\_EDGE\_3; 415; Block A; 7Apr 1400 CEST] dCR to 26.512 on Requesting edge server discovery over M6 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;88071cf0.2204A&S=) | Iraj Sodagar | Wed, 6 Apr 2022 18:12:11 +0000 |
| [[8.8 5GMS\_EDGE\_3; 415; Block A; 7Apr 1400 CEST] dCR to 26.512 on Requesting edge server discovery over M6 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;15ae0feb.2204A&S=) | Imed Bouazizi | Thu, 7 Apr 2022 02:54:56 +0000 |
| [[8.8 5GMS\_EDGE\_3; 415; Block A; 7Apr 1400 CEST] dCR to 26.512 on Requesting edge server discovery over M6 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;12d5ade1.2204A&S=) | Iraj Sodagar | Thu, 7 Apr 2022 04:40:57 +0000 |
| [[8.8 5GMS\_EDGE\_3; 415; Block A; 7Apr 1400 CEST] dCR to 26.512 on Requesting edge server discovery over M6 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;611464c5.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 11:42:49 +0100 |

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| [[8.8 5GMS\_EDGE\_3; 415; Block A; 7Apr 1400 CEST] dCR to 26.512 on Requesting edge server discovery over M6 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a08dd0f.2204B&S=) | Imed Bouazizi | Fri, 8 Apr 2022 12:57:16 +0000 |
| [[8.8 5GMS\_EDGE\_3; 415; Block A; 7Apr 1400 CEST] dCR to 26.512 on Requesting edge server discovery over M6 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2f07602e.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 14:14:12 +0100 |

**Revisions:**

**Online Discussion:**

* Presented by Iraj
* Procedures fit more in TS 26.501.

**Decision:**

* Further discussion in offline discussion.
* Noted, after offline session

**S4-220415** is **noted.**

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| [[Edge] Offline discussion 411-415](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a3428c15.2204A&S=) | Imed Bouazizi | Thu, 7 Apr 2022 14:02:56 +0000 |
| [[Edge] Offline discussion 411-415](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3f9157d7.2204A&S=) | Imed Bouazizi | Thu, 7 Apr 2022 14:03:10 +0000 |
| [[Edge] Offline discussion 411-415](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3b8b454e.2204A&S=) | Richard Bradbury | Thu, 7 Apr 2022 15:15:01 +0100 |
| [[Edge] Offline discussion 411-415](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;afdf2a13.2204A&S=) | panqi (E) | Thu, 7 Apr 2022 14:25:06 +0000 |
| [[Edge] Offline discussion 411-415](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;df1c27bf.2204A&S=) | Iraj Sodagar | Thu, 7 Apr 2022 16:16:20 +0000 |
| [[Edge] Offline discussion 411-415](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;cf555a81.2204A&S=) | Imed Bouazizi | Thu, 7 Apr 2022 16:48:15 +0000 |
| [[Edge] Offline discussion 411-415](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1e9df0db.2204B&S=) | Iraj Sodagar | Thu, 7 Apr 2022 23:06:21 +0000 |
| [[Edge] Offline discussion 411-415](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8d1f9b2d.2204B&S=) | Richard Bradbury | Fri, 8 Apr 2022 09:18:30 +0100 |

## 8.9 FS\_NPN4AVProd (Feasibility Study on Media Production over 5G NPN)

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| [S4-220467](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220467.zip) | [FS\_NPN4AVProd]: Description of KI#4 (Standby and Program Cameras), incl solutions | Ericsson LM | Thorsten Lohmar |

**E-mail Discussion:**

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| [[8.9 FS\_NPN4AVProd; 467; Block B; 12Apr 1400 CEST] pCR to 26.805 on Description of KI#4 (Standby and Program Cameras), incl solutions -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ce409805.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:33:38 +0000 |
| [[8.9 FS\_NPN4AVProd; 467; Block B; 12Apr 1400 CEST] pCR to 26.805 on Description of KI#4 (Standby and Program Cameras), incl solutions -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f910b2f4.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:33:23 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220467** is **agreed.**

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| [S4-220468](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220468.zip) | [FS\_NPN4AVProd]: KI6 Interfacing Audio Channels | Sennheiser, Ericsson LM | Thorsten Lohmar |

**E-mail Discussion:**

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| [[8.9 FS\_NPN4AVProd; 468; Block B; 12Apr 1400 CEST] pCR to 26.805 on KI6 Interfacing Audio Channels -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;55c2bebb.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:33:41 +0000 |
| [[8.9 FS\_NPN4AVProd; 468; Block B; 12Apr 1400 CEST] pCR to 26.805 on KI6 Interfacing Audio Channels -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6a0e6c6.2204B&S=) | Richard Bradbury | Mon, 11 Apr 2022 12:48:19 +0100 |
| [[8.9 FS\_NPN4AVProd; 468; Block B; 12Apr 1400 CEST] pCR to 26.805 on KI6 Interfacing Audio Channels -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c8e5c494.2204B&S=) | Thorsten Lohmar | Mon, 11 Apr 2022 15:33:40 +0000 |
| [[8.9 FS\_NPN4AVProd; 468; Block B; 12Apr 1400 CEST] pCR to 26.805 on KI6 Interfacing Audio Channels -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;96e66f2d.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 15:57:07 +0000 |
| [[8.9 FS\_NPN4AVProd; 468; Block B; 12Apr 1400 CEST] pCR to 26.805 on KI6 Interfacing Audio Channels -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;aeb5f6a5.2204B&S=) | Thorsten Lohmar | Mon, 11 Apr 2022 19:04:45 +0000 |
| [[8.9 FS\_NPN4AVProd; 468; Block B; 12Apr 1400 CEST] pCR to 26.805 on KI6 Interfacing Audio Channels -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3950d71b.2204B&S=) | Richard Bradbury | Mon, 11 Apr 2022 20:18:14 +0100 |
| [[8.9 FS\_NPN4AVProd; 468; Block B; 12Apr 1400 CEST] pCR to 26.805 on KI6 Interfacing Audio Channels -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;91119f4.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 08:27:15 +0000 |
| [[8.9 FS\_NPN4AVProd; 468; Block B; 12Apr 1400 CEST] pCR to 26.805 on KI6 Interfacing Audio Channels -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ccbb195f.2204B&S=) | Thorsten Lohmar | Tue, 12 Apr 2022 08:31:15 +0000 |
| [[8.9 FS\_NPN4AVProd; 468; Block B; 12Apr 1400 CEST] pCR to 26.805 on KI6 Interfacing Audio Channels -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;422a4b0f.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:34:41 +0000 |

**Revisions:**

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| [S4-220468r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220468r01.docx) | 4/11/2022 15:32 |
| [S4-220468r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220468r02.docx) | 4/11/2022 19:01 |
| [S4-220468r02\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220468r02_BBC.docx) | 4/11/2022 19:17 |
| [S4-220468r02\_BBC\_Dolby.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220468r02_BBC_Dolby.docx) | 4/12/2022 8:22 |
| [S4-220468r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220468r03.docx) | 4/12/2022 8:30 |

**Online Discussion:**

* Jens (Sennheiser) presents r03.
* Stefan: 1) About HTF, does it work as is or does it need something more for the transport on SDI? 2) What is ITU-R purpose?
* Fred: 2) This ITU-R would enable this more than 16 channels onto SDI. With 5.1 channels you run quickly against this 16 limit.
* Thomas: 1) Probably it works as is, this is just a note anyway.
* Stefan: I couldn’t figure it out myself but this is indeed just a note and not a normative statement so it is fine like this.
* Fred: The NOTE seems thus fine like this.
* Stefan: What is meant to be replaced by a 5G link by this study?
* Thorsten: Link between microphone and the system according to me.
* Jens: The focus on productioning, raw audio transmitted in a 5G system without losing any quality.
* Fred: Indeed, raw format but also NGA format.

**Decision:**

* Thorsten to revise to S4-220561 which is agreed without presentation.

**S4-220468** is **revised** which is agreed without presentation**.**

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| [S4-220469](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220469.zip) | [FS\_NPN4AVProd]: KIX Device On Boarding | Ericsson LM, Dolby Laboratories | Thorsten Lohmar |

**E-mail Discussion:**

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| [[8.9 FS\_NPN4AVProd; 469; Block B; 12Apr 1400 CEST] pCR to 26.805 on Device On Boarding -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;cc7039a3.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:33:43 +0000 |
| [[8.9 FS\_NPN4AVProd; 469; Block B; 12Apr 1400 CEST] pCR to 26.805 on Device On Boarding -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c8fe9422.2204B&S=) | Richard Bradbury | Mon, 11 Apr 2022 12:55:03 +0100 |
| [[8.9 FS\_NPN4AVProd; 469; Block B; 12Apr 1400 CEST] pCR to 26.805 on Device On Boarding -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f9b800fd.2204B&S=) | Thorsten Lohmar | Mon, 11 Apr 2022 15:15:24 +0000 |
| [[8.9 FS\_NPN4AVProd; 469; Block B; 12Apr 1400 CEST] pCR to 26.805 on Device On Boarding -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a222f4f6.2204B&S=) | Richard Bradbury | Mon, 11 Apr 2022 19:54:04 +0100 |
| [[8.9 FS\_NPN4AVProd; 469; Block B; 12Apr 1400 CEST] pCR to 26.805 on Device On Boarding -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;baeccbcd.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:35:38 +0000 |

**Revisions:**

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| [S4-220469\_BBC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220469_BBC.docx) | 4/11/2022 11:52 |
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| [S4-220469r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_118-e/Inbox/Drafts/MBS/S4-220469r01.docx) | 4/11/2022 15:14 |

**Online Discussion:**

* Thorsten presents r01.
* Thorsten: Got feedback from Richard. Change are:
  + Renamed key issues, from camera to remote device onboarding.
  + More text to be added related to the editor’s note.
  + Media production event described in before, during and after phases.
  + Linking with SA2 work.
  + Work in progress, goal to conclude study next meeting.

**Decision:**

* Revised to 562.

**S4-220469** is **revised to S4-220562** which is agreed without presentation**.**

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| S4-220355 | [FS\_NPN4AVProd] Updates to mmWAVE for Media Production | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220355** is **withdrawn.**

## 8.10 FS\_5G\_MSE (Feasibility Study on 5G Media Service Enablers)

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| [S4-220356](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220356.zip) | [FS\_5G\_MSE] Editorial Improvements | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

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| --- | --- | --- |
| [[8.10 FS\_5G\_MSE; 356; Block B; 12Apr 1400 CEST] pCR to 26.857 From Ideas to a TR -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;47a1e895.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:33:46 +0000 |
| [[8.10 FS\_5G\_MSE; 356; Block B; 12Apr 1400 CEST] pCR to 26.857 From Ideas to a TR -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2aff9c78.2204B&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Tue, 12 Apr 2022 11:02:06 +0000 |
| [[8.10 FS\_5G\_MSE; 356; Block B; 12Apr 1400 CEST] pCR to 26.857 From Ideas to a TR -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;987b711.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:36:38 +0000 |

**Revisions:**

**Online Discussion:**

* Thomas presents r01.
* Saba:
  + Section 5
  + “Also, call flows and procedures should be made mandatory for describing an MSE. They are an important aspect for its understanding. Same goes for pre and post conditions, which would be needed for integration of multiple MSE to make a service/application.” (email)
* Thomas: Agreed. It needs to be formulated in shall but this is still a note.

**Decision:**

* Call flows and procedures to be added as text.
* Agreed for draft TR.

**S4-220356** is **agreed.**

|  |  |  |  |
| --- | --- | --- | --- |
| S4-220357 | [FS\_5G\_MSE] Existing 3GPP Specifications | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220357** is **withdrawn.**

|  |  |  |  |
| --- | --- | --- | --- |
| S4-220358 | [FS\_5G\_MSE] External Specifications | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220358** is **withdrawn.**

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-220359](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220359.zip) | [FS\_5G\_MSE] Developer Feedback | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.10 FS\_5G\_MSE; 359; Block B; 12Apr 1400 CEST] DP on Developer Feedback -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7275c575.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:33:52 +0000 |
| [[8.10 FS\_5G\_MSE; 359; Block B; 12Apr 1400 CEST] DP on Developer Feedback -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c9234af7.2204B&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Tue, 12 Apr 2022 11:19:47 +0000 |
| [[8.10 FS\_5G\_MSE; 359; Block B; 12Apr 1400 CEST] DP on Developer Feedback -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fa63e5ab.2204B&S=) | Richard Bradbury | Tue, 12 Apr 2022 12:42:15 +0100 |
| [[8.10 FS\_5G\_MSE; 359; Block B; 12Apr 1400 CEST] DP on Developer Feedback -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3dcffb5c.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:39:12 +0000 |
| [[8.10 FS\_5G\_MSE; 359; Block B; 12Apr 1400 CEST] DP on Developer Feedback -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fc8a4e3e.2204B&S=) | Iraj Sodagar | Tue, 12 Apr 2022 12:50:30 +0000 |

**Revisions:**

**Online Discussion:**

* Thomas: 5G-MAG developers gave good input.
* Thomas: Happy to develop a questionnaire to be sent to developers.

**Decision:**

* Agreed by e-mail and confirmed in session.

**S4-220359** is **agreed.**

## 8.11 FS\_SmarTAR (Feasibility Study on Smartly Tethering AR Glasses)

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-220360](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220360.zip) | [FS\_SmartAR] Proposed Timeplan | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.11 FS\_SmarTAR; 360; Block B; 12Apr 1400 CEST] Work Plan -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;15b83613.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:33:57 +0000 |
| [[8.11 FS\_SmarTAR; 360; Block B; 12Apr 1400 CEST] Work Plan -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7e45af5c.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:39:36 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

* Agreed via e-mail.

**S4-220360** is **agreed.**

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-220361](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220361.zip) | [FS\_SmarTAR] Proposed TR 26.806 Skeleton | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.11 FS\_SmarTAR; 361; Block B; 12Apr 1400 CEST] Proposed TR 26.806 Skeleton -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ca8cb952.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 05:25:05 +0000 |
| [[8.11 FS\_SmarTAR; 361; Block B; 12Apr 1400 CEST] Proposed TR 26.806 Skeleton -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a90e1a4.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:40:27 +0000 |

**Revisions:**

**Online Discussion:**

* (Skeleton TR 26.806 presented by Thomas.)
* Fred: I hadn’t seen the proposed skeleton when I drafted my contribution, so it probably needs to target clause 6.

**Decision:**

* Skeleton agreeable.

**S4-220361** is **agreed.**

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-220362](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220362.zip) | [FS\_SmarTAR] A guiding use case | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.11 FS\_SmarTAR; 362; Block B; 12Apr 1400 CEST] pCR 26.806 on a guiding use case -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d7513f00.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:34:05 +0000 |
| [[8.11 FS\_SmarTAR; 362; Block B; 12Apr 1400 CEST] pCR 26.806 on a guiding use case -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1acc33b1.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:41:13 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

* Agreed via e-mail.

**S4-220362** is **agreed.**

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| [S4-220363](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220363.zip) | [FS\_SmarTAR] Initial Ideas on Tethering architectures | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.11 FS\_SmarTAR; 363; Block B; 12Apr 1400 CEST] DP on Initial Ideas on Tethering architectures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6f594864.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:34:08 +0000 |
| [[8.11 FS\_SmarTAR; 363; Block B; 12Apr 1400 CEST] DP on Initial Ideas on Tethering architectures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f96b8fdf.2204B&S=) | Thorsten Lohmar | Mon, 11 Apr 2022 15:51:36 +0000 |
| [[8.11 FS\_SmarTAR; 363; Block B; 12Apr 1400 CEST] DP on Initial Ideas on Tethering architectures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4b29c47c.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 16:00:52 +0000 |

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| --- | --- | --- |
| [[8.11 FS\_SmarTAR; 363; Block B; 12Apr 1400 CEST] DP on Initial Ideas on Tethering architectures -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;53233f8.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:42:56 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

* Agreed via e-mail.

**S4-220363** is **agreed.**

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| [S4-220409](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220409.zip) | pCR to TR 26.806 FS\_SmarTAR, on PIN (Personal IoT Network) elements | Dolby Laboratories Inc. | Frederic Gabin |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.11 FS\_SmarTAR; 409; Block B; 12Apr 1400 CEST] pCR 26.806 on PIN (Personal IoT Network) elements-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;24c68da0.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:34:06 +0000 |
| [[8.11 FS\_SmarTAR; 409; Block B; 12Apr 1400 CEST] pCR 26.806 on PIN (Personal IoT Network) elements-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7d48d4cd.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 20:43:07 +0000 |
| [[8.11 FS\_SmarTAR; 409; Block B; 12Apr 1400 CEST] pCR 26.806 on PIN (Personal IoT Network) elements-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c20e2168.2204B&S=) | panqi (E) | Tue, 12 Apr 2022 02:42:26 +0000 |
| [[8.11 FS\_SmarTAR; 409; Block B; 12Apr 1400 CEST] pCR 26.806 on PIN (Personal IoT Network) elements-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6b88ca94.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 05:38:52 +0000 |
| [[8.11 FS\_SmarTAR; 409; Block B; 12Apr 1400 CEST] pCR 26.806 on PIN (Personal IoT Network) elements-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5a527e92.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 05:46:36 +0000 |
| [[8.11 FS\_SmarTAR; 409; Block B; 12Apr 1400 CEST] pCR 26.806 on PIN (Personal IoT Network) elements-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7ff20d29.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:42:19 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

* Agreed via e-mail.

**S4-220409** is **agreed.**

## 8.12 New Work / New Work Items and Study Items

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-220364](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220364.zip) | Proposal for Rel-18 MBS WID scheduling | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.12 New Work; 364; Block B; 12Apr 1400 CEST] DP on Proposal for Rel-18 MBS WID scheduling -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ab1a8b86.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:34:11 +0000 |
| [[8.12 New Work; 364; Block B; 12Apr 1400 CEST] DP on Proposal for Rel-18 MBS WID scheduling -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7889fdc9.2204B&S=) | Prakash Kolan | Tue, 12 Apr 2022 04:41:41 +0000 |
| [[8.12 New Work; 364; Block B; 12Apr 1400 CEST] DP on Proposal for Rel-18 MBS WID scheduling -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;883fabd0.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 10:28:03 +0000 |
| [[8.12 New Work; 364; Block B; 12Apr 1400 CEST] DP on Proposal for Rel-18 MBS WID scheduling -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d334db02.2204B&S=) | Iraj Sodagar | Tue, 12 Apr 2022 12:12:33 +0000 |
| [[8.12 New Work; 364; Block B; 12Apr 1400 CEST] DP on Proposal for Rel-18 MBS WID scheduling -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d101c365.2204B&S=) | Thomas Stockhammer | Tue, 12 Apr 2022 12:16:02 +0000 |
| [[8.12 New Work; 364; Block B; 12Apr 1400 CEST] DP on Proposal for Rel-18 MBS WID scheduling -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3c26a983.2204B&S=) | Iraj Sodagar | Tue, 12 Apr 2022 12:28:17 +0000 |
| [[8.12 New Work; 364; Block B; 12Apr 1400 CEST] DP on Proposal for Rel-18 MBS WID scheduling -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;80c7787b.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:44:24 +0000 |

**Revisions:**

**Online Discussion:**

* Thomas presents the document.
* Thomas:
  + Beneficial to plan Rel-18 work.
  + Some maintenance expected at SA4#119-e.
  + Recommend focussing on stage 2 for new normative work items at SA4#119-e.
  + Recommend a single umbrella Work Item for Rel-18 extensions to 5GMS.
  + Try to avoid time crunches.
* Iraj: Like structure for SA4#119-e and SA4#120. Struggle in TR26.804 breaking into two parts (separate Work Item for stage-2 and stage-3) seems unnecessary.
* Thomas: Scheduling stage-2 and stage-3 sequentially has benefits. Avoids overlap with overhanging stage-3 work from SA4#120.
* Iraj: Complete WID in #119-e. Most of the work would start in #120 or #121… Maybe approve WIDs in #119-e, but the Work Item starts after #120.
* Thomas: Focus on stage-2.
* Fred: No mix of stage-2 and stage-3 in the same Work Item because of different freeze deadlines and possible impacts on other groups.
* Iraj: Separate work items for stage-2 and stage-3 of 5GMS Advanced?
* Fred: Yes, don’t mix. Think if it can be done in parallel or not, dependencies, etc. Nice to have one Work Item if changing TS 26.501, then one or several stage-3 Work Items to affect other specifications.
* Iraj: Some discussion in #119-e may be related to stage-3. Is Thomas suggesting not to discuss this at #119-e?
* Thomas: Just saying let’s prioritise stage-2 at #119-e.
* Fred: Can even wait for stage-2 to complete before starting stage-3.
* Fred: No process for requiring four supporters for each objective in a new Work Item. Either supported en bloc.
* Thomas: Still believe that there are multiple supporters to ensure that work progresses.
* Prakash: Agree with the principle of minimising the number of study items. Of 11 topics in FS\_5GMS\_EXT, four are outstanding but at different stages of progress. Unclear right now. Is it even possible to make a single study for all four?
* Fred: Sometimes makes sense to bundle, sometimes not. No one-size-fits-all guidance.

**Decision:**

* At #119-e:
  + Prioritise Rel-17 completion and new stage-2 work.
  + We can discuss new stage-3 work not dependent on stage-2.

**S4-220364** is **noted/agreed/revised.**

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-220442](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220442.zip) | Feasibility Study on Network Slicing Extensions | Samsung Electronics Co. Ltd., BBC | Prakash Kolan |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.12 New Work; 442; Block B; 12Apr 1400 CEST] New Feasibility Study on Network Slicing Extensions -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e4bcf06c.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:34:12 +0000 |
| [[8.12 New Work; 442; Block B; 12Apr 1400 CEST] New Feasibility Study on Network Slicing Extensions -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7a1d28ad.2204B&S=) | panqi (E) | Tue, 12 Apr 2022 09:05:06 +0000 |
| [[8.12 New Work; 442; Block B; 12Apr 1400 CEST] New Feasibility Study on Network Slicing Extensions -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;279784c.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:45:54 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220442** is **noted/agreed/revised.**

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-220474](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220474.zip) | For discussion: Draft New WID on new 5GMS extensions (NEXT) | Tencent Cloud | Iraj Sodagar |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.12 New Work; 474; Block B; 12Apr 1400 CEST] New WID on new 5GMS extensions-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;eb854ac3.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:34:13 +0000 |
| [[8.12 New Work; 474; Block B; 12Apr 1400 CEST] New WID on new 5GMS extensions-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;85421ae6.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 19:31:24 +0000 |
| [[8.12 New Work; 474; Block B; 12Apr 1400 CEST] New WID on new 5GMS extensions-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;63169dd3.2204B&S=) | Iraj Sodagar | Tue, 12 Apr 2022 11:20:31 +0000 |
| [[8.12 New Work; 474; Block B; 12Apr 1400 CEST] New WID on new 5GMS extensions-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9eafa59d.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 12:46:39 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

**S4-220474** is **noted/agreed/revised.**

## 8.13 Others including TEI

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-220416](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220416.zip) | IANA Registration for MBMS ROM SACH | Qualcomm Incorporated | Charles Lo |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.13 TEI; 416; Block B; 12Apr 1400 CEST] DP on IANA Registration for MBMS ROM SACH -> for discussion](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ca701c2b.2204B&S=) | Gabin, Frederic | Mon, 11 Apr 2022 09:33:33 +0000 |
| [[8.13 TEI; 416; Block B; 12Apr 1400 CEST] DP on IANA Registration for MBMS ROM SACH -> for discussion](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9eb257f3.2204B&S=) | Thomas Stockhammer | Mon, 11 Apr 2022 20:05:40 +0000 |
| [[8.13 TEI; 416; Block B; 12Apr 1400 CEST] DP on IANA Registration for MBMS ROM SACH -> for discussion](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ccc34ed5.2204B&S=) | Gabin, Frederic | Tue, 12 Apr 2022 13:03:33 +0000 |

**Revisions:**

**Online Discussion:**

* Presented by Charles.
* Richard: If you go with a non-SSM address,
* Imed: The choice for SSM is many releases old. Making this change will not be straightforward.
* Richard: It is a non-backward compatible change, it is quite radical.
* Thomas: We can make sure to get this SSM assigned.
* Charles: How did we register SSM addresses in the past?
* Richard: We didn’t, it is like the IPv4 range of addresses.
* Charles: We want to pre-provision this address on the phone.
* Thomas: If we have good motivation, we can go back to the old one.
* Richard: Is it needed to register and not just say use this value?
* Fred: Indeed, what is the risk for a random value we put in the spec? Is it a collision risk?
* Richard: It’s like multicast range, they are not registrable.
* Thomas: If IANA says don’t do it , then it is good. There is an annex to be provided in due time, nothing done yet with IANA.
* Thomas: As 5G broadcast becomes real, we need to solve this at some point.
* Charles: Is there a range of values for user device?
* Richard: Yes. It’s 232.0.0.0/8
  + https://www.iana.org/assignments/multicast-addresses/multicast-addresses.xhtml#multicast-addresses-10

**Decision:**

* Up to Charles to continue talking with IANA and see the options.
* Charles to keep Richard, Thomas, Imed posted on this.

**S4-220416** is **noted.**

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

See time plans

## 8.15 Any Other Business

none

## 8.16 Close of the session

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

The online session was closed on April 13, 2022 at 1530 (CEST).

## Annex A Attendees

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Organization Represented | Present |
| Mr. | Achter | Johannes | Deutsche Telekom AG |  |
| Dr. | Ahsan | Saba | Nokia Denmark |  |
| Mr. | Aracena | Mauricio | Ericsson LM |  |
| Ms. | Arora | Akansha | TSDSI |  |
| Mr. | AUMONT | FRANCK | InterDigital France R&D, SAS |  |
| Dr. | Bae | BeomSik | Samsung Electronics Benelux BV |  |
| Dr. | Bouazizi | Imed | Qualcomm Technologies Ireland |  |
| Dr. | Bradbury | Richard | BBC |  |
| Dr. | Bruhn | Stefan | Dolby Laboratories Inc. |  |
| Dr. | Budagavi | Madhukar | Samsung Electronics Polska |  |
| Mr. | Burman | Bo | Ericsson France S.A.S |  |
| Mr. | Chakraborty | Prasenjit | Samsung R&D Institute UK |  |
| Mr. | Champel | Mary-Luc | Beijing Xiaomi Electronics |  |
| Dr. | Chan | Yee Sin | Facebook India |  |
| Dr. | Chen | Lulin | MediaTek Inc. | Yes |
| Dr. | Chiba | Tsunehiko | VIAVI Solutions |  |
| Mr. | Chien | Wei-Jung | Qualcomm Technologies Int |  |
| Mr. | Choi | Hyung-Nam | Motorola Mobility UK Ltd. |  |
| Mr. | Chou | Joey | Intel Korea, Ltd. |  |
| Dr. | Curcio | Igor | Nokia Italy |  |
| Mr. | Dawkins | Spencer | Tencent | Yes |
| Mr. | De Bont | Frans | Philips International B.V. |  |
| Mr. | Defrance | Serge | InterDigital France R&D, SAS |  |
| Mr. | Doehla | Stefan | Fraunhofer IIS |  |
| Dr. | Ehara | Hiroyuki | Panasonic Corporation |  |
| Dr. | El Essaili | Ali | Ericsson GmbH, Eurolab |  |
| Mr. | Fontaine | Loic | InterDigital Belgium. LLC | Yes |
| Mr. | Gabin | Frederic | Dolby Laboratories Inc. |  |
| Mrs. | Gao | Fei | China Mobile Com. Corporation |  |
| Mr. | Gao | Shuai | China Unicom |  |
| Mr. | Gao | Yuan | Huawei Technologies France |  |
| Mr. | Gibellino | Diego | TELECOM ITALIA S.p.A. |  |
| Dr. | Gierlich | Hans Wilhelm | HEAD acoustics GmbH |  |
| Dr. | Gorley | Paul | BBC |  |
| Mr. | Gu | Xiaojun | Huawei Technologies R&D UK |  |
| Prof. | Guan | Ke | BJTU |  |
| Mr. | Gudumasu | Srinivas | InterDigital Communications |  |
| Mr. | Gunkel | Simon | KPN N.V. |  |
| Mr. | Guo | Yi | Intel Belgium SA/NV |  |
| Dr. | Hamza | Ahmed | InterDigital Communications | Yes |
| Dr. | Han | Jae-Shin | LG Electronics Deutschland |  |
| Dr. | He | Xuan (Shane) | Nokia France |  |
| Dr. | He | Yong | Qualcomm Tech. Netherlands B.V |  |
| Mr. | Heikkilä | Gunnar | Ericsson Japan K.K. | Yes |
| Dr. | Holub | Jan | Mesaqin.com s.r.o (Ltd.) |  |
| Mr. | Homkar | Ajay | Cadence Design Systems Inc. |  |
| Mr. | Howells | Elfed | Huawei Telecommunication India |  |
| Dr. | Hu | James | AT&T GNS Belgium SPRL |  |
| Dr. | Isabelle | Scott | Amazon |  |
| Mr. | Jang | Jaehyuk | Samsung Electronics Co., Ltd |  |
| Mr. | Jansson Toftgård | Tomas | Ericsson LM |  |
| Dr. | Jelinek | Milan | VoiceAge Corporation |  |
| Dr. | Joshi | Rajan | Samsung Electronics Romania |  |
| Dr. | Jung | Kyunghun | Facebook Japan K.K. |  |
| Ms. | Kang | HyunJeong | Samsung Electronics France SA |  |
| Miss | ke | xiaowan | vivo Communication Technology |  |
| Miss | Kedalagudde | Meghashree D | Intel Corporation SAS |  |
| Dr. | Kim | Wuk | Harman GmbH |  |
| Dr. | Kolan | Prakash | Samsung R&D Institute India |  |
| Dr. | Kroon | Peter | Apple Benelux B.V. |  |
| Mr. | Kwon | WooSuk | LG Electronics Inc. | Yes |
| Mr. | Laaksonen | Lasse | Nokia UK |  |
| Mr. | Lau | Stephen | Kepler |  |
| Dr. | Lee | Brian | Dolby Laboratories Inc. | Yes |
| Dr. | Lee | Hakju Ryan | Samsung Guangzhou Mobile R&D |  |
| Dr. | Lei | Yixue | Tencent |  |
| Mr. | Lemotheux | Julien | Orange Spain | Yes |
| Mr. | Leung | Nikolai | Qualcomm Incorporated |  |
| Miss | LI | QIUTING | ZTE Corporation |  |
| Dr. | Litwic | Lukasz | Ericsson Hungary Ltd |  |
| Mr. | Liu | Dan | ZTE Corporation |  |
| Mr. | LIU | Jianning(Carry) | Beijing Xiaomi Software Tech |  |
| Mr. | Lo | Charles | Qualcomm Israel Ltd. |  |
| Dr. | Lohmar | Thorsten | Ericsson GmbH, Eurolab |  |
| Ms. | Lu | Wei | Xiaomi Technology |  |
| Mr. | Luetzenkirchen | Thomas | Intel Deutschland GmbH |  |
| Mr. | Ma | Liangping | QUALCOMM Europe Inc. - Italy |  |
| Dr. | Mandal | Priyatosh | TSDSI |  |
| Mrs. | Martin-Cocher | Gaelle | InterDigital, Europe, Ltd. |  |
| Miss | Martinez Tarradell | Marta | Intel Corporation Italia SpA |  |
| Dr. | Mika | Johann | ORS | Yes |
| Mr. | Morita | Naotaka | NTT Advanced Technology Corpor |  |
| Dr. | Moriya | Takehiro | NTT |  |
| Mr. | Multrus | Markus | Fraunhofer IIS |  |
| Mr. | Nangia | Vijay | Motorola Mobility UK Ltd. |  |
| Dr. | Ni | Hui | HiSilicon Technologies Co. Ltd |  |
| Mr. | Niang | Mamadou M. | Verizon Spain |  |
| Dr. | Oh | Sejin | Dolby Laboratories Inc. |  |
| Mr. | Onno | Stephane | InterDigital Finland Oy |  |
| Dr. | Palat | Sudeep | Intel Corporation (UK) Ltd |  |
| Dr. | Pan | Qi | HUAWEI TECHNOLOGIES Co. Ltd. | Yes |
| Mr. | Pazos | Marcelo | Qualcomm Europe Inc. Sweden |  |
| Dr. | Peng | Ke | OPPO |  |
| Mr. | Pihlajakuja | Tapani | Nokia Belgium |  |
| Mr. | Pilz | Jens | Sennheiser Electronic GmbH | Yes |
| Mr. | Plante | Fabrice | Apple Italia S.R.L. |  |
| Mr. | Pousi | Timo | Oy LM Ericsson AB |  |
| Mr. | Pudney | Chris | VODAFONE Group Plc |  |
| Mr. | Ragot | Stephane | Orange Romania |  |
| Mr. | Rämö | Anssi | Nokia Poland |  |
| Mr. | Reimes | Jan | HEAD acoustics GmbH |  |
| Mr. | Rhyu | Sungryeul | Samsung Electronics GmbH |  |
| Dr. | Ridge | Justin | Nokia Japan |  |
| Dr. | Rusanovskyy | Dmytro | Qualcomm India Pvt Ltd |  |
| Ms. | Saha | Jayeeta | ETSI |  |
| Mr. | Sanchez de la Fuente | Yago | Fraunhofer HHI |  |
| Mr. | Schevciw | Andre | Qualcomm Technologies Int |  |
| Dr. | Schierl | Thomas | Fraunhofer HHI |  |
| Dr. | Shailendra | Samar | Intel Technology India Pvt Ltd |  |
| Mr. | Shan | Changhong | Intel China Ltd. |  |
| Ms. | Shen | Yang | Beijing Xiaomi Mobile Softwar |  |
| Mr. | Simmons | John | Google Inc. |  |
| Mr. | Singer | David | Apple (UK) Limited |  |
| Dr. | Sodagar | Iraj | Tencent Cloud |  |
| Dr. | Song | Jaeyeon | BEIJING SAMSUNG TELECOM R&D |  |
| Mr. | Steck | Chris | DTS Licensing Limited |  |
| Dr. | Stockhammer | Thomas | Qualcomm CDMA Technologies | YES |
| Mr. | Stojanovski | Saso | Intel Finland Oy |  |
| Dr. | Su | Huan-yu | HuaWei Technologies Co., Ltd |  |
| Mr. | sun | zhao | Huawei Tech.(UK) Co.. Ltd |  |
| Mr. | Suzuki | Rihito | NTT corporation |  |
| Dr. | Szczerba | Marek | Philips International B.V. |  |
| Mr. | Szucs | Paul | Sony Europe B.V. | yes |
| Dr. | TAN | PENG | TELUS |  |
| Dr. | Tech | Gerhard | Fraunhofer HHI |  |
| Mr. | Teniou | Gilles | Tencent |  |
| Mr. | THIENOT | Cedric | ENENSYS | yes |
| Mr. | Thomas | Emmanuel | Xiaomi Communications | yes |
| Dr. | Tossavainen | Antero | Huawei Technologies Sweden AB |  |
| Dr. | Tourapis | Alexandros | Apple GmbH |  |
| Mr. | Tsujikawa | Toru | NTT |  |
| Mr. | Varga | Imre | Qualcomm Austria RFFE GmbH |  |
| Mr. | Wang | Bin | Beijing Xiaomi Mobile Softwar |  |
| Mr. | Wang | Dong | Guangdong OPPO Mobile Telecom. |  |
| Dr. | Wang | Xin | MediaTek Inc. |  |
| Dr. | Wey | Jun Shan | Verizon Switzerland AG |  |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software |  |
| Mr. | Xie | Minjie | OPPO |  |
| Mr. | Xu | Song | China Mobile Com. Corporation |  |
| Dr. | Yang | Hyun-Koo | Samsung Electronics Nordic AB | Yes |
| Mr. | Yao | Yizhi | Intel Technology Poland SP Zoo |  |
| Mrs. | Yin | Yujian | China Mobile Com. Corporation |  |
| Mr. | Yip | Eric | Samsung Electronics Iberia SA | Yes |
| Dr. | ZHANG | Yu | ABS |  |
| Miss | Zhang | Zhijiao | CENC |  |
| Dr. | Zhang | Zhuoyun | Tencent Cloud |  |
| Dr. | Zhao | Shuai | Intel Sweden AB |  |

## Annex B Final Tdoc allocation

**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, app approved, n noted, pa partially agreed, np not pursued, pp postponed…

|  |  |  |  |
| --- | --- | --- | --- |
| A.I. # | A.I. Title | Block | Tdoc #s |
| 8 | Multicast-Broadcast-Streaming (MBS) SWG |  |  |
| 8.1 | Opening of the session | A |  |
| 8.2 | Registration of documents | A |  |
| 8.3 | Reports/Liaisons from other groups/meetings | A | QoE :RAN2/QoE:452n -> MBS SWG -> Noted453 -> MBS SWG -> response in 534RAN3/QoE: 454n -> MBS SWG -> Noted5MBS :CT4/5MBS:445n -> MBS SWG -> Noted489 -> MBS SWG response in 544RAN2/5MBS: 449pp -> MBS SWG -> postponedSA2/5MBS: 456 -> MBS SWG -> Reply in 567EVEX :SA3 LI/filter: 462pp -> MBS SWG -> postponedSA2/Collection: 458n -> MBS SWG -> NotedOther:SA6/Edge: 465n -> MBS SWG -> NotedDVB/Content enc. : 480 -> MBS SWG -> Response in 541 |
| 8.4 | Issues for immediate consideration | A |  |
| 8.5 | CRs to completed features in Release 17 and earlier | A | 5MBUSA: 346->568, 348->529a, 350->530a, 426n, 531 (LS to SA3), 532[EVEX] [5GMS\_EDGE]: 400a26.247: 407a26.247 (QoE): 423->535a, 486a26.346: 542 |
| 8.6 | EVEX (5GMS AF Event Exposure) | A | 26.501: 347a, 533a26.531: 349a26.532: 387->536a, 394->537a, 398->538a, 485->539a, 405->546 (1.1.1)26.512: 403->540->569aDP: 425nTP: 419LS: 543381->~~402~~, ~~386~~, 404 |
| 8.7 | 5MBP3 (5G Multicast-Broadcast Protocols) | A | 26.348: 351->545a26.346: 352a26.347: 353->560a26.512: 354->547a26.517: 470n, 471n, 472->570DP: 473n |
| 8.8 | 5GMS\_EDGE\_3 (Edge Extensions to 5GMS Stage 3) | A | 26.512: 379->564a, 380n, 412n, 413n, 414->571, 415nDP: 411n |
| 8.9 | FS\_NPN4AVProd (Feasibility Study on Media Production over 5G NPN) | B | 26.805: 467a, 468->561a, 469->562a, 548, 565 |
| 8.10 | FS\_5G\_MSE (Feasibility Study on 5G Media Service Enablers) | B | 26.857: 356a, 566DP: 359a~~355~~, ~~357~~, ~~358~~ |
| 8.11 | FS\_SmarTAR (Feasibility Study on Smartly Tethering AR Glasses) | B | TP: 360a26.806: 361a, 362a, 409a, 563DP: 363a |
| 8.12 | New Work / New Work Items and Study Items | B | Scheduling: 364nFS\_5GNeSE: 442nNEXT: 474n |
| 8.13 | Others including TEI | B | 416n |
| 8.14 | Review of the future work plan (next meeting dates, hosts) | B |  |
| 8.15 | Any Other Business | B |  |
| 8.16 | Close of the session | B |  |

*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 C- Documents status

## C.1 Agreed documents (not presented to SA4 plenary)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **For** | **SWG Agenda item** | **TDoc Status** | **Revised to** | **Plenary Agenda item** |
| [**S4-220347**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220347.zip) | [EVEX] Data collection and reporting for 5G Media Streaming | BBC, Qualcomm Incorporated | Agreement | 8.6 | **agreed** | - | - |
| [**S4-220349**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220349.zip) | [EVEX] Editor's draft TS 26.531 V1.2.0 | BBC | Agreement | 8.6 | **agreed** | - | - |
| [**S4-220352**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220352.zip) | [5MBP3] User Service Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Agreement | 8.7 | **agreed** | - | - |
| [**S4-220356**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220356.zip) | [FS\_5G\_MSE] Editorial Improvements | Qualcomm Incorporated | Agreement | 8.10 | **agreed** | - | - |
| [**S4-220359**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220359.zip) | [FS\_5G\_MSE] Developer Feedback | Qualcomm Incorporated | Agreement | 8.10 | **agreed** | - | - |
| [**S4-220361**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220361.zip) | [FS\_SmarTAR] Proposed TR 26.806 Skeleton | Qualcomm Incorporated | Agreement | 8.11 | **agreed** | - | - |
| [**S4-220362**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220362.zip) | [FS\_SmarTAR] A guiding use case | Qualcomm Incorporated | Agreement | 8.11 | **agreed** | - | - |
| [**S4-220363**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220363.zip) | [FS\_SmarTAR] Initial Ideas on Tethering architectures | Qualcomm Incorporated | Agreement | 8.11 | **agreed** | - | - |
| [**S4-220400**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220400.zip) | [EVEX] [5GMS\_EDGE] Expanded downlink provisioning procedures and domain model | BBC, Qualcomm Incorporated | Agreement | 8.5 | **agreed** | - | - |
| [**S4-220407**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220407.zip) | Registration of URNs | Qualcomm CDMA Technologies | Discussion | 8.5 | **agreed** | - | - |
| [**S4-220409**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220409.zip) | pCR to TR 26.806 FS\_SmarTAR, on PIN (Personal IoT Network) elements | Dolby Laboratories Inc. | Agreement | 8.11 | **agreed** | - | - |
| [**S4-220467**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220467.zip) | [FS\_NPN4AVProd]: Description of KI#4 (Standby and Program Cameras), incl solutions | Ericsson LM | Approval | 8.9 | **agreed** | - | - |
| [**S4-220486**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220486.zip) | Requirement on UE Behavior regarding QoE Measurement and Reporting | Qualcomm Incorporated | Agreement | 8.5 | **agreed** | - | - |
| **S4-220529** | [5MBUSA] Additional stage 2 detail | BBC | Agreement | 8.5 | **agreed** | - | - |
| **S4-220530** | [5MBUSA] Corrections to 5GMS via eMBMS | Qualcomm Incorporated | Agreement | 8.5 | **agreed** | - | - |
| **S4-220533** | dCR 26.501 on use cases for newly defined 5GMS event | Huawei, HiSilicon | Agreement | 8.6 | **agreed** | - | - |
| **S4-220535** | dCR TS 26.247 Support of NR QoE features | Huawei, HiSilicon | Agreement | 8.5 | **agreed** | - | - |
| **S4-220536** | Updates and corrections to 26.532 | Ericsson LM, BBC, Qualcomm Incorporated | Agreement | 8.6 | **agreed** | - | - |
| **S4-220537** | Update of Indirect Data Collection Client and Application Server text | Ericsson LM, BBC | Agreement | 8.6 | **agreed** | - | - |
| **S4-220538** | Minor update of Data Collection and Reporting Configuration API | Ericsson LM, BBC, Qualcomm Incorporated | Agreement | 8.6 | **agreed** | - | - |
| **S4-220539** | [EVEX] Additional Text for Currently Empty Sections | Qualcomm Incorporated | Agreement | 8.6 | **agreed** | - | - |
| **S4-220545** | [5MBP3] xMB Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Agreement | 8.7 | **agreed** | - | - |
| **S4-220547** | [5MBP3] 5GMS Protocol Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Agreement | 8.7 | **agreed** | - | - |
| **S4-220560** | [5MBP3] API Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Agreement | 8.7 | **agreed** | - | - |
| **S4-220561** | [FS\_NPN4AVProd]: KI6 Interfacing Audio Channels | Sennheiser, Ericsson LM, Qualcomm, Dolby | Approval | 8.9 | **agreed** | - | - |
| **S4-220562** | [FS\_NPN4AVProd]: KIX Device On Boarding | Ericsson LM, Dolby Laboratories | Approval | 8.9 | **agreed** | - | - |
| **S4-220564** | draft consolidated CR on Edge | Qualcomm Technologies Ireland | Agreement | 8.8 | **agreed** | - | - |
| **S4-220569** | [EVEX] Support for Data Collection and Reporting in 5G Media Streaming | Qualcomm Incorporated, BBC | Agreement | 8.6 | **agreed** | - | - |

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **For** | **SWG Agenda item** | **TDoc Status** | **Revised to** | **Plenary Agenda item** |
| [**S4-220360**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220360.zip) | [FS\_SmartAR] Proposed Timeplan | Qualcomm Incorporated | Agreement | 8.11 | **agreed** | - | 16.7 |

## C.3 Other status than agreed documents (not to be presented to SA4 plenary)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **For** | **SWG Agenda item** | **TDoc Status** | **Revised to** | **Plenary Agenda item** |
| [**S4-220346**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220346.zip) | [5MBUSA] MBS User Service procedures | BBC | Agreement | 8.5 | **Revised** | **S4-220568** | - |
| [**S4-220348**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220348.zip) | [5MBUSA] Additional stage 2 detail | BBC | Agreement | 8.5 | **Revised** | **S4-220529** | - |
| [**S4-220350**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220350.zip) | [5MBUSA] Corrections to 5GMS via eMBMS | Qualcomm Incorporated | Agreement | 8.5 | **Revised** | **S4-220530** | - |
| [**S4-220351**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220351.zip) | [5MBP3] xMB Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Agreement | 8.7 | **Revised** | **S4-220545** | - |
| [**S4-220353**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220353.zip) | [5MBP3] API Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Agreement | 8.7 | **Revised** | **S4-220560** | - |
| [**S4-220354**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220354.zip) | [5MBP3] 5GMS Protocol Extensions for 5GMS via eMBMS | Qualcomm Incorporated | Agreement | 8.7 | **Revised** | **S4-220547** | - |
| S4-220355 | [FS\_NPN4AVProd] Updates to mmWAVE for Media Production | Qualcomm Incorporated | Agreement | 8.10 | **Withdrawn** | - | - |
| S4-220357 | [FS\_5G\_MSE] Existing 3GPP Specifications | Qualcomm Incorporated | Agreement | 8.10 | **Withdrawn** | - | - |
| S4-220358 | [FS\_5G\_MSE] External Specifications | Qualcomm Incorporated | Agreement | 8.10 | **Withdrawn** | - | - |
| [**S4-220364**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220364.zip) | Proposal for Rel-18 MBS WID scheduling | Qualcomm Incorporated | Agreement | 8.12 | **Noted** | - | - |
| [**S4-220379**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220379.zip) | draft consolidated CR on Edge | Qualcomm Technologies Ireland |  | 8.8 | **Revised** | **S4-220564** | - |
| [**S4-220380**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220380.zip) | draft CR on API for client-driven edge management | Qualcomm Technologies Ireland |  | 8.8 | **Noted** | - | - |
| S4-220381 | Support for Data Collection and Reporting in 5G Media Streaming | Qualcomm Incorporated, BBC | Agreement | 8.6 | **Revised** | **S4-220402** | - |
| S4-220386 | Editor's Draft TS 26.532 V1.1.0 | Qualcomm Incorporated | Agreement | 8.6 | **Withdrawn** | - | - |
| [**S4-220387**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220387.zip) | Updates and corrections to 26.532 | Ericsson LM, BBC, Qualcomm Incorporated | Agreement | 8.6 | **Revised** | **S4-220536** | - |
| [**S4-220394**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220394.zip) | Update of Indirect Data Collection Client and Application Server text | Ericsson LM, BBC | Agreement | 8.6 | **Revised** | **S4-220537** | - |
| [**S4-220398**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220398.zip) | Minor update of Data Collection and Reporting Configuration API | Ericsson LM, BBC, Qualcomm Incorporated | Agreement | 8.6 | **Revised** | **S4-220538** | - |
| S4-220402 | Support for Data Collection and Reporting in 5G Media Streaming | Qualcomm Incorporated, BBC | Agreement | 8.6 | **Withdrawn** | - | - |
| [**S4-220403**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220403.zip) | [EVEX] Support for Data Collection and Reporting in 5G Media Streaming | Qualcomm Incorporated, BBC | Agreement | 8.6 | **Revised** | **S4-220540** | - |
| S4-220404 | [EVEX] Draft of Indicative TS 26.512 V17.0.0 | Qualcomm Incorporated | Agreement | 8.6 | **Not treated (late)** | - | - |
| S4-220405 | [EVEX] Editor's Draft TS 26.532 V1.1.0 | Qualcomm Incorporated | Agreement | 8.6 | **Revised** | **S4-220546** | - |
| [**S4-220411**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220411.zip) | [EDGE] Discussion on edge provisioning procedures | Tencent Cloud | Discussion | 8.8 | **Noted** | - | - |
| [**S4-220412**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220412.zip) | [EDGE] Improved CR on M1 edge provisioning | Tencent Cloud | Agreement | 8.8 | **Noted** | - | - |
| [**S4-220413**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220413.zip) | [EDGE] Improved CR on signaling edge configuration over M5 | Tencent Cloud | Agreement | 8.8 | **Noted** | - | - |
| [**S4-220414**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220414.zip) | [EDGE] Improved CR on edge provisioning procedures | Tencent Cloud | Agreement | 8.8 | **Revised** | **S4-220571** | - |
| [**S4-220415**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220415.zip) | [EDGE] Requesting edge server discovery over M6 | Tencent Cloud | Agreement | 8.8 | **Noted** | - | - |
| [**S4-220416**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220416.zip) | IANA Registration for MBMS ROM SACH | Qualcomm Incorporated | Discussion | 8.13 | **Noted** | - | - |
| [**S4-220423**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220423.zip) | dCR TS 26.247 Support of NR QoE features | Huawei, HiSilicon | Agreement | 8.5 | **Revised** | **S4-220535** | - |
| [**S4-220425**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220425.zip) | discussion on use cases of new event type for exposure in 5GMS | Huawei, HiSilicon | Agreement | 8.6 | **Noted** | - | - |
| [**S4-220426**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220426.zip) | Security mechanisms for MBS traffic | Huawei, HiSilicon | Agreement | 8.5 | **Noted** | - | - |
| [**S4-220442**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220442.zip) | Feasibility Study on Network Slicing Extensions | Samsung Electronics Co. Ltd., BBC |  | 8.12 | **Noted** | - | - |
| [**S4-220445**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220445.zip) | Reply LS on 5MBS preparation of stage 3 work split between SA4 and CT3 | CT4 | Discussion | 8.3 | **Noted** | - | - |
| [**S4-220449**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220449.zip) | LS on the MBS broadcast service continuity and MBS session identification | RAN2 | Information | 8.3 | **Postponed** | - | - |
| [**S4-220452**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220452.zip) | LS on RAN2 agreements on NR QoE | RAN2 | Information | 8.3 | **Noted** | - | - |
| [**S4-220453**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220453.zip) | LS on UE capabilities for NR QoE | RAN2 | Discussion | 8.3 | **Replied to** | **S4-220534** | - |
| [**S4-220454**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220454.zip) | LS on RAN3 agreements for NR QoE | RAN3 | Discussion | 8.3 | **Noted** | - | - |
| [**S4-220456**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220456.zip) | Reply LS on maximum number of MBS sessions that can be associated to a PDU session | SA2 | Discussion | 8.3 | **Replied to** | **S4-220567** | - |
| [**S4-220458**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220458.zip) | Reply LS on UE data collection and reporting | SA2 | Discussion | 8.3 | **Noted** | - | - |
| [**S4-220462**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220462.zip) | LS on smart filtering and enhancement of LI | SA3 LI | Discussion | 8.3 | **Postponed** | - | - |
| [**S4-220465**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220465.zip) | Reply LS on follow-up on EAS definition | SA6 | Discussion | 5.2 | **Noted** | - | - |
| [**S4-220468**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220468.zip) | [FS\_NPN4AVProd]: KI6 Interfacing Audio Channels | Sennheiser, Ericsson LM | Approval | 8.9 | **Revised** | **S4-220561** | - |
| [**S4-220469**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220469.zip) | [FS\_NPN4AVProd]: KIX Device On Boarding | Ericsson LM, Dolby Laboratories | Approval | 8.9 | **Revised** | **S4-220562** | - |
| [**S4-220470**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220470.zip) | [5MBP3]: Stage 3 Proposal for Clause 7 (Packet Distribution Method) | Ericsson LM | Approval | 8.7 | **Noted** | - | - |
| [**S4-220471**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220471.zip) | [5MBP3]: Stage 3 Proposal for Clause 6 (Object Distribution Method) | Ericsson LM | Approval | 8.7 | **Noted** | - | - |
| [**S4-220472**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220472.zip) | [5MBP3]: Stage 3 Proposal for Clause 5 (Service Announcement) | Ericsson LM | Approval | 8.7 | **Revised** | **S4-220570** | - |
| [**S4-220473**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220473.zip) | Identification of ingest scenarios for MBS Object Distribution | Ericsson LM | Agreement | 8.7 | **Noted** | - | - |
| [**S4-220474**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220474.zip) | For discussion: Draft New WID on new 5GMS extensions (NEXT) | Tencent Cloud | Discussion | 8.12 | **Noted** | - | - |
| [**S4-220480**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220480.zip) | LIAISON on Content Encoding in MBMS FLUTE | DVB | Discussion | 5.3 | **Replied to** | **S4-220541** | - |
| [**S4-220485**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220485.zip) | [EVEX] Additional Text for Currently Empty Sections | Qualcomm Incorporated | Agreement | 8.6 | **Revised** | **S4-220539** | - |
| [**S4-220489**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_118-e/Docs/S4-220486.zip) | LS on Clarifications on Nmbstf\_MBSDistributionSession Service (From: CT4) | CT4 | LS | 8.3 | **Replied to** | **S4-220544** | - |
| **S4-220540** | [EVEX] Support for Data Collection and Reporting in 5G Media Streaming | Qualcomm Incorporated, BBC | Agreement | 8.6 | **Revised** | **S4-220569** | - |

## C.4 Other status than agreed documents (to be presented to SA4 plenary)

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **For** | **SWG Agenda item** | **TDoc Status** | **Revised to** | **Plenary Agenda item** |
| S4-220419 | [EVEX] Proposed Work Plan | Rappoteur (Qualcomm Incorporated) | Agreement | 8.6 | **available** | - | 14.1 |
| **S4-220531** | LS on Security architecture for 5G multicast/broadcast services (To: SA3, Cc: SA2) | BBC | Agreement | 8.5 | **available** | - | 13 |
| **S4-220532** | dCR to 26.502 on [5MBUSA]: Various corrections around File Repair, Consumption Reporting and Reception Reporting | Ericsson LM | Agreement | 8.5 | **available** | - | 13 |
| **S4-220534** | Reply LS on UE capabilities for NR QoE (To: RAN2, CT1) | Ericsson LM | Agreement | 8.3 | **available** | - | 5.2 |
| **S4-220541** | Reply LS on Content Encoding in MBMS FLUTE (To: DVB) | Dolby | Agreement | 8.3 | **Available** | - | 5.3 |
| **S4-220542** | dCR TS 26.346 on Content Encoding in MBMS FLUTE (Rel-17) | Dolby | Agreement | 8.3 | **Available** | - | 13 |
| **S4-220543** | DRAFT LS to CT3 and SA2 on EVEX | Rapporteur (Qualcomm Incorporated) | Agreement | 8.6 | **Available** | - | 14.1 |
| **S4-220544** | Reply LS on Clarifications on Nmbstf\_MBSDistributionSession Service (To: CT4) | BBC | Agreement | 8.3 | **Available** | - | 11 |
| **S4-220546** | Draft TS 26.532 V1.1.1 | Editor (Qualcomm Incorporated) | Agreement | 8.6 | **Available** | - | 14.1 |
| **S4-220548** | Draft TR 26.805 v1.2.0 | Editor (Ericsson LM) | Agreement | 8.9 | **Available** | - | 16.3 |
| **S4-220563** | Draft TR 26.806 v0.1.0 | Editor (Qualcomm) | Agreement | 8.11 | **Available** | - | 16.7 |
| **S4-220565** | Considerations for completing the FS\_NPN4AVProd study | Rapporteur (Ericsson LM) | Agreement | 8.9 | **Available** | - | 16.3 |
| **S4-220566** | Draft TR 26.857 v0.2.0 | Rapporteur (Qualcomm) | Agreement | 8.10 | **Available** | - | 16.4 |
| **S4-220567** | Reply LS on maximum number of MBS sessions that can be associated to a PDU session | SA2 | Discussion | 8.3 | **Available** | - | 5.2 |
| **S4-220568** | [5MBUSA] MBS User Service procedures | BBC | Agreement | 8.5 | **Available** | - | 13 |
| **S4-220570** | [5MBP3]: Stage 3 Proposal for Clause 5 (Service Announcement) | Ericsson LM | Approval | 8.7 | **Available** | - | 14.2 |
| **S4-220571** | [EDGE] Improved CR on edge provisioning procedures | Tencent Cloud | Agreement | 8.8 | **Available** | - | 14.3 |
| **S4-220572** | MBS SWG report at SA4#118-e | MBS SWG chair (Dolby) | Approval | - | **Available** | - | 12.2 |

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