**Source: SA4 MBS SWG Chairman[[1]](#footnote-2)**

**Title: 3GPP SA4 MBS SWG report during SA4#123-e**

**Document for: Approval**

**Agenda item: 12.2**

# Executive Summary

* MBS SWG took place over 3 days 18-20 April 2023, including three 1h30 long online sessions and email agreements over two days. 273 emails were sent over the MBS SWG email reflector during the week. Several offline sessions were organized by the rapporteurs.
* 38 delegates attended the 3 MBS SGW online sessions.
* Mr. Frédéric Gabin (Dolby) was the Chair and Prakash Kolan (Samsung), Julien Lemotheux (Orange) and Thomas Stockhammer (Qualcomm) acted as scribes and kept the online minutes up to date during the meeting.
* 76 Tdocs were allocated to the MBS SWG. 22 Tdocs were agreed or endorsed. 18 output Tdocs are sent to SA4 closing plenary.
* On Maintenance and liaisons
  + EVEX
    - SA6 sent an LS to SA4 on possible reuse of the SA4-defined EVEX framework in the context of the Application Data Analytics Enablement Services (ADAES) and application service management in eSEAL2. A detailed [reply LS](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230683.zip) was agreed. It includes an invitation for a joint call.
    - SA sent an [LS to SA4 on alignment of activities on UE data collection reporting and event exposure](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230481.zip). Two draft replies were discussed. More time is required to agree a response. The LS and draft replies were postponed to SA4#124.
    - 2 CRs to TS 26.531 on [*Provisioning of Data Collection and Reporting Configuration*](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230650.zip) and *on* [*Precedence Rules on Data Collection, Reporting and Event Exposure*](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230655.zip)were agreed.
  + QoE
    - A couple of incoming LSs on QoE were noted. RAN2 an LS to SA4 [on buffer level threshold-based RVQoE reporting](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230461.zip) to confirm APP layer triggering of buffer level threshold-based RVQoE reporting can be supported in Rel-18. A [reply LS](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230684.zip) was prepared and agreed to confirm RAN2 preference that application layer triggering of buffer level threshold-based RVQoE reporting can be supported in Rel-18 based on the corresponding QoE configuration received from the AS layer.
  + MBS
    - [CT3 sent an LS to SA4](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230454.zip) to confirm the adoption of SA4 TS 26.517 UserServiceDescription data structure for the encoding of the MBS User Service Announcement.
    - A couple of LSs on which SA4 was CCed were noted. A response by SA3 to SA2 is still expected to act on the 5MBS architecture.
    - A [new LS to CT4 (cc. CT3)](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230695.zip) was prepared requesting a correction to the object acquisition method API.
    - 3 CRs to TS 26.502 on [*Corrections to Object Distribution Method*](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230732.zip)*,* [*Correction of Object Distribution Parameters*](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230686.zip) and [*Correction of Nmb5 / Nmb10 notification events*](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230687.zip) were endorsed (i.e. agreed as basis for further work).
    - 2 CRs to TS 26.517 on [*Correction on length of FSA ID*](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230658.zip)and[*Manifest format for Object Collection and Carousel*](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230659.zip) were agreed. A larger CR on General Updates and Corrections was prepared for SA4 closing plenary.
  + 5GMS
    - A [CR to TS 26.512 on Rel-17 corrections](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230473.zip) was agreed.
* On Rel-18 Work Items
  + SR\_MSE (Split Rendering Media Service Enabler)
    - 2 pCRs to draft TS 26.565 on *Adding high-level call flow and improving the edge processing* and *Network Procedures for Split Rendering* were discussed but not concluded. An offline session took place to merge them into a single input to SA4 closing plenary.
  + 5GMS\_Ph2 (5G Media Streaming Architecture Phase2)
    - A [CR to TS 26.501 on *5GMS AS configuration via M3*](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230636.zip) was agreed.
    - A [CR to TS 26.501 on *Service URL Handling*](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230689.zip) was endorsed (i.e. agreed as basis for further work).
    - A [CR to TS 26.501 on *5GMS over 5MBS*](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230638.zip) was endorsed (i.e. agreed as basis for further work).
    - Other CRs to TS 26.501 on [*Feature description and dynamic policies for low-latency media streaming*](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230639.zip) and [*Multiple-manifest: Improvements on the multiple manifest downlink streaming call flow*](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230641.zip) were prepared but not concluded and are sent to SA4 plenary.
  + FS\_SmarTAR (Feasibility Study on Smartly Tethering AR Glasses)
    - 3 pCRs to TR 26.806 were agreed
      * [Editor's Proposed Update](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230537.zip)
      * [Clarification on non-5G delay measurement](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230678.zip)
      * [Key Issue #5: Compute distribution across UE and network for tethered glasses](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230530.zip)
  + FS\_MS\_NS\_Ph2 (Study on Media Streaming aspects of Network Slicing Phase 2)
    - A [pCR to TR 26.941 on Candidate Solution for Key Issue #1: Service Provisioning](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230679.zip) was agreed.
  + New Work / New Work Items and Study Items
    - The [Draft WID for 5G Media Streaming Protocols Phase 2](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230656.zip) was progressed. It is planned to be sent to SA#100 for approval in June. This WID is based on 5GMS\_Ph2 Stage 2 work. It is sent to SA4 plenary for information.
  + Others including TEI
    - A Rel-18 [CR to TS 26.117 on Corrections to references](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230485.zip) was agreed.
    - A Rel-18 [CR to TR 26.804 on 5GMS Service URL](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230681.zip) was agreed.
* One MBS SWG Telco was agreed and is scheduled Thursday 11th May 1600-1800 CEST and will include a joint session with 5G-MAG (1700-1800 To be confirmed)
* Big thanks to minute takers, rapporteurs, and contributors!

# MBS SWG Minutes during SA4#123-e

## 8.1 Opening of the session

Mr. Frédéric Gabin (Dolby, Chairman of MBS SWG) opens the sessions on 18th April 2023 at 15:00 CEST.

Prakash Kolan (Samsung), Julien Lemotheux (Orange) and Thomas Stockhammer (Qualcomm) are assigned as scribes.

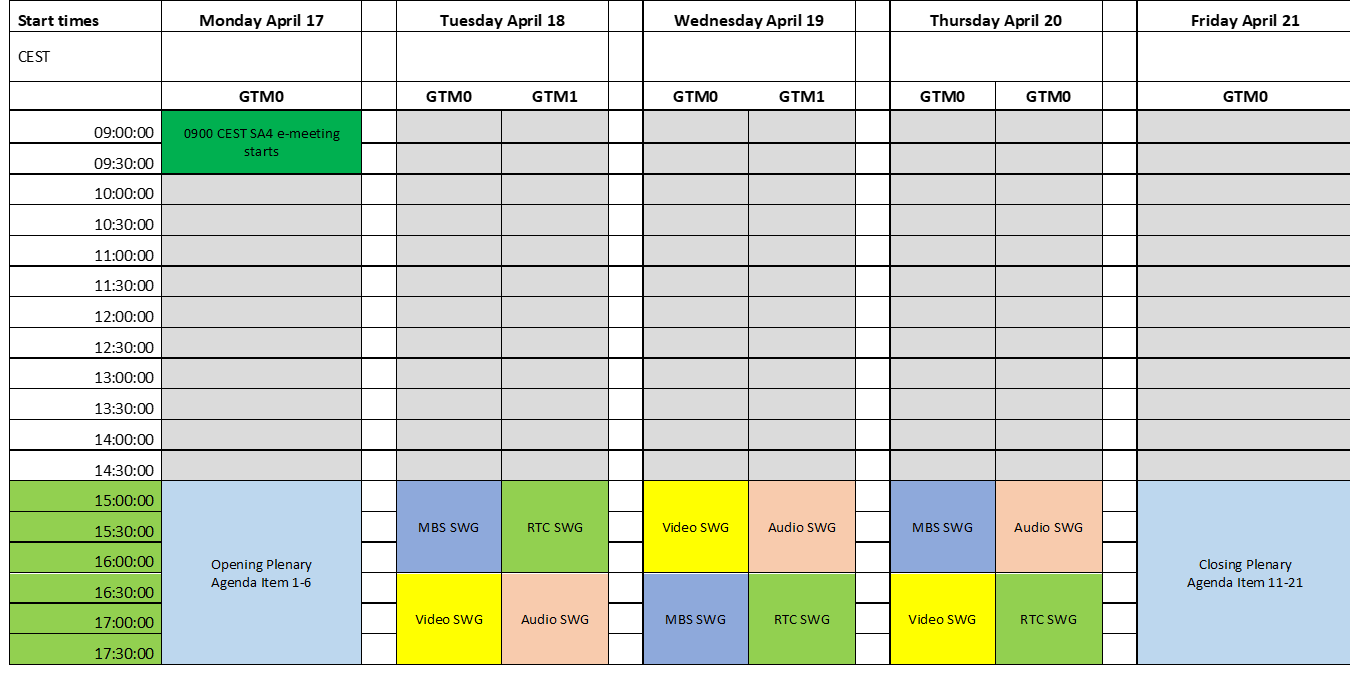
The minutes are shared [MBS SWG Minutes during SA4#123-e](https://docs.google.com/document/d/1K9SQEdWIjzwNcYAPKhF0d2rEkQ-AqHil1wQJ9sJ50DI/edit?usp=sharing).

The attendance is tracked [here](#yu61c3e3tljt).

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

* https://list.etsi.org/scripts/wa.exe?A1=ind2304C&L=3GPP\_TSG\_SA\_WG4\_MBS

**SA4 Schedule:**



The agenda and the registration of documents are agreed.

|  |  |  |  |
| --- | --- | --- | --- |
| Gabin, Frederic | [MBS SWG: a bit of planning](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fe21a4a.2304c) | 4/18/2023 10:55:49 | Hello,  Here is the proposed plan for both MBS SWG online sessions and email  agreements:  Tuesday online session: 5GMS\_Ph2, EVEX LSs, QoE LSs, other LSs  Wednesday 1300 CEST email deadline on Maintenance  Wednesday online session: Leftovers on maintenance and LSs, SR\_MSE, New Work  Thursday 1300 CEST email deadline on FS\_SmarTAR, FS\_MS\_NS\_Ph2, Others and  TEI18  Thursday online session: Wash-up [...] |
| Gabin, Frederic | [MBS SWG Tdoc allocation](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2c0addb9.2304c) | 4/18/2023 11:33:04 | Dear all,  The initial MBS SWG Tdoc allocation is available at  https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_123-e/Inbox/Drafts/MBS/MBS%20SWG%20Tdoc%20allocation.docx  Another few Tdocs have been moved and are highlighted in yellow.  Best regards,  /Frédéric |

## 8.2 Registration of documents

### 8.2.1 Documents prior to meeting

|  |  |  |  |
| --- | --- | --- | --- |
| TDoc | Title | Source | Agenda item |
| [S4-230454](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230454.zip) | Reply LS on 5MBS User Services | CT3 | 5.2 |
| [S4-230460](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230460.zip) | LS on Continuity of QoE measurements during intra-5GC inter-RAT HO | RAN2 | 5.2 |
| [S4-230461](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230461.zip) | LS on buffer level threshold-based RVQoE reporting | RAN2 | 5.2 |
| [S4-230466](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230466.zip) | Reply LS on Security architecture for 5G multicast/broadcast services | SA3 | 5.2 |
| [S4-230467](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230467.zip) | Reply LS on the impact of MSK update on MBS multicast session update procedure | SA3 | 5.2 |
| [S4-230477](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230477.zip) | LS on the reuse of EVEX as specified in TS 26.531 | SA6 | 5.2 |
| [S4-230478](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230478.zip) | LS on Approval of eQoE CRs for NR | SA5 | 5.2 |
| [S4-230481](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230481.zip) | Alignment of activities on UE data collection reporting and event exposure | TSG SA | 5.2 |
| [S4-230628](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230628.zip) | LS on consent of new Recommendation ITU-T Y.3123 (ex.Y.IMT2020-CEFEC) “Framework of edge computing capability exposure for IMT-2020 networks and beyond” | ITU | 5.3 |
| [S4-230482](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230482.zip) | Reply LS on alignment of activities on UE data collection, reporting and event exposure | BBC | 8.3 |
| [S4-230483](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230483.zip) | Reply LS on the reuse of EVEX as specified in TS 26.531 | BBC | 8.3 |
| [S4-230486](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230486.zip) | On Alignment of EVEX-related Future Work among 3GPP TSGs | Qualcomm Incorporated | 8.3 |
| [S4-230495](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230495.zip) | Discussion LS on buffer level threshold-based RVQoE reporting | Apple | 8.3 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Draft Reply LS on buffer level threshold-based RVQoE reporting | Apple | 8.3 |
| [S4-230500](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230500.zip) | Draft LS Reply on buffer level threshold-based RVQoE reporting | Huawei, HiSilicon | 8.3 |
| [S4-230578](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230578.zip) | LS on Object Acquisition Method | BBC | 8.3 |
| [S4-230456](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230456.zip) | [EVEX] Provisioning of Data Collection and Reporting Configuration | Qualcomm Incorporated, BBC, AT&T | 8.5 |
| [S4-230457](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230457.zip) | [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure | Qualcomm Incorporated, BBC, AT&T | 8.5 |
| [S4-230473](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230473.zip) | [5GMS3] Rel-17 corrections | BBC | 8.5 |
| [S4-230474](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230474.zip) | [5MBUSA] Corrections to Object Distribution Method | BBC, Nokia Corporation | 8.5 |
| [S4-230475](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230475.zip) | [FS\_5GMS\_EXT, TEI18] Proposal on 5GMS Service URL format and initiation of media session handling | BBC | 8.5 |
| [S4-230476](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230476.zip) | [FS\_5GMS\_EXT, TEI18] 5GMS Service URL | BBC | 8.5 |
| [S4-230503](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230503.zip) | Correctino on length of FSA ID | Huawei, HiSilicon | 8.5 |
| [S4-230505](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230505.zip) | [5MBUSA] Correction of Object Distribution Parameters | Ericsson LM | 8.5 |
| [S4-230506](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230506.zip) | [5MBUSA] Correction of Nmb5 / Nmb10 notification events | Ericsson LM | 8.5 |
| [S4-230507](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230507.zip) | [5MBP3] Correction of parameter usage for Byte Range Object Repair | Ericsson LM | 8.5 |
| [S4-230548](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230548.zip) | [5MBP3] Manifest format for Object Collection and Carousel | Nokia Corporation, BBC | 8.5 |
| [S4-230575](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230575.zip) | [FS\_5GMS\_EXT, TEI18] 5GMS Service URL | BBC | 8.5 |
| [S4-230624](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230624.zip) | Data Reporting Configuration Inclusion of Data Sampliing Rules and Data Reporting Rules | Qualcomm Incorporated | 8.5 |
| [S4-230563](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230563.zip) | [SR\_MSE] Adding high-level call flow and improving the edge processing | Tencent Cloud | 8.6 |
| [S4-230594](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230594.zip) | [SR\_MSE] Network Procedures for Split Rendering | Qualcomm CDMA Technologies | 8.6 |
| [S4-230472](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230472.zip) | [5GMS\_Ph2] 5GMS AS configuration via M3 | BBC | 8.7 |
| [S4-230484](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230484.zip) | [5GMS\_Ph2] Data collection for ANBR-based NA | Sony Europe B.V. | 8.7 |
| [S4-230531](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230531.zip) | [5GMS\_Ph2] Service URL Handling | Qualcomm Incorporated | 8.7 |
| [S4-230533](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230533.zip) | [5GMSA\_Ph2] 5GMS over 5MBS | Qualcomm Incorporated, BBC, Tencent | 8.7 |
| [S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip) | [5GMSA\_Ph2] End-to-end low latency live streaming | Qualcomm Incorporated, BBC, Tencent | 8.7 |
| [S4-230535](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230535.zip) | [5MBP3] General Updates and Corrections | Qualcomm incorporated | 8.7 |
| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | [5GMS\_Ph2] Multiple-manifest: Improvements on the multiple manifest downlink streaming call flow | Tencent Cloud | 8.7 |
| [S4-230566](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230566.zip) | [5GMS\_Ph2] End-to-end low latency live streaming: adding editor’s note | Tencent Cloud | 8.7 |
| [S4-230570](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230570.zip) | [5GMS\_Ph2] Update Workplan | Tencent Cloud | 8.7 |
| [S4-230458](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230458.zip) | [FS\_SmarTAR] RTP header extension for in-band delay measurement | Qualcomm Technologies Ireland | 8.8 |
| [S4-230504](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230504.zip) | Clarification on non-5G delay measurement | Huawei, HiSilicon | 8.8 |
| [S4-230530](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230530.zip) | [FS\_SmarTAR] Key Issue #5: Compute distribution across UE and network for tethered glasses | Qualcomm incorporated | 8.8 |
| [S4-230536](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230536.zip) | [FS\_SmarTAR] Proposed Updated Work Plan | Qualcomm incorporated | 8.8 |
| [S4-230537](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230537.zip) | [FS\_SmarTAR] Editor's Proposed Update of TR 26.806 | Qualcomm incorporated | 8.8 |
| [S4-230597](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230597.zip) | Draft TR 26.941 v0.5.0 | Samsung Research America | 8.9 |
| [S4-230598](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230598.zip) | [FS\_MS\_NS\_Ph2] Proposed Updated Time and Work Plan | Samsung Research America | 8.9 |
| [S4-230599](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230599.zip) | [FS\_MS\_NS\_Ph2] Candidate Solution for Key Issue #1: Service Provisioning | Samsung Research America | 8.9 |
| [S4-230600](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230600.zip) | [FS\_MS\_NS\_Ph2] Key Issue #3: Moving media flows to other slices | Samsung Research America | 8.9 |
| [S4-230532](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230532.zip) | Draft WID for 5G Media Streaming Protocols Phase 2 | Qualcomm incorporated, Tencent, Orange, BBC, Sony Europe B.V. | 8.10 |
| [S4-230569](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230569.zip) | [5GMS\_Pro\_Ph2] Update Draft WID for 5G Media Streaming Protocols Phase 2 | Tencent Cloud | 8.10 |
| [S4-230485](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230485.zip) | Corrections to references | Dolby Laboratories Inc. | 8.11 |
| [S4-230497](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230497.zip) | [EVEX] Discussion on EVEX extensions | Apple | 8.11 |

### 8.2.1 Documents during meeting

|  |  |  |  |
| --- | --- | --- | --- |
| TDoc | Title | Source | Agenda item |
| [S4-230636](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230636.zip) | [5GMS\_Ph2] 5GMS AS configuration via M3 | BBC | 8.7 |
| [S4-230637](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230637.zip) | [5GMS\_Ph2] Service URL Handling | Qualcomm Incorporated, BBC | 8.7 |
| [S4-230638](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230638.zip) | [5GMSA\_Ph2] 5GMS over 5MBS | Qualcomm Incorporated, BBC, Tencent, Ericsson | 8.7 |
| [S4-230639](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230639.zip) | [5GMSA\_Ph2] End-to-end low latency live streaming | Qualcomm Incorporated, BBC, Tencent | 8.7 |
| [S4-230641](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230641.zip) | [5GMS\_Ph2] Multiple-manifest: Improvements on the multiple manifest downlink streaming call flow | Tencent Cloud | 8.7 |
| [S4-230650](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230650.zip) | [EVEX] Provisioning of Data Collection and Reporting Configuration | Qualcomm Incorporated, BBC, AT&T | 8.5 |
| [S4-230655](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230655.zip) | [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure | Qualcomm Incorporated, BBC, AT&T | 8.5 |
| [S4-230656](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230656.zip) | Draft WID for 5G Media Streaming Protocols Phase 2 | Qualcomm incorporated, Tencent, Orange, BBC, Sony Europe B.V. | 8.10 |
| [S4-230658](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230658.zip) | Correction on length of FSA ID | Huawei, HiSilicon | 8.5 |
| **[S4-230659](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230659.zip)** | [5MBP3] Manifest format for Object Collection and Carousel | Nokia Corporation, BBC | 8.5 |
| [S4-230662](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230662.zip) | Reply LS on Alignment of activities on UE data collection reporting and event exposure | Qualcomm Incorporated | 8.3 |
| [S4-230664](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230664.zip) | Reply LS on buffer level threshold-based RVQoE reporting | Apple | 8.3 |
| [S4-230678](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230678.zip) | Clarification on non-5G delay measurement | Huawei, HiSilicon | 8.8 |
| [S4-230679](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230679.zip) | [FS\_MS\_NS\_Ph2] Candidate Solution for Key Issue #1: Service Provisioning | Samsung Research America | 8.9 |
| [S4-230680](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230680.zip) | [FS\_MS\_NS\_Ph2] Key Issue #3: Moving media flows to other slices | Samsung Research America | 8.9 |
| [S4-230681](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230681.zip) | [FS\_5GMS\_EXT, TEI18] 5GMS Service URL | BBC, Qualcomm Incorporated | 8.5 |
| [S4-230683](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230683.zip) | Reply LS on the reuse of EVEX as specified in TS 26.531 | BBC, Samsung, Huawei | 8.3 |
| [S4-230684](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230684.zip) | Reply LS on buffer level threshold-based RVQoE reporting | Apple | 8.3 |
| [S4-230685](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230685.zip) | [5MBUSA] Corrections to Object Distribution Method | BBC, Nokia Corporation | 8.5 |
| **[S4-230686](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230686.zip)** | [5MBUSA] Correction of Object Distribution Parameters | Ericsson LM | 8.5 |
| **[S4-230687](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230687.zip)** | [5MBUSA] Correction of Nmb5 / Nmb10 notification events | Ericsson LM | 8.5 |
| **[S4-230688](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230688.zip)** | [5MBP3] Correction of parameter usage for Byte Range Object Repair | Ericsson LM | 8.5 |
| [S4-230689](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230689.zip) | [5GMS\_Ph2] Service URL Handling | Qualcomm Incorporated, BBC | 8.7 |
| [S4-230695](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230695.zip) | LS on Object Acquisition Method | BBC | 8.3 |
| [S4-230726](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230726.zip) | [SR\_MSE] Improvements and Corrections to edge and dynamic policy procedures in SR | Tencent Cloud, Qualcomm Inc. | 8.6 |
| [S4-230727](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230727.zip) | Draft TS 26.565 v0.4.0 | Qualcomm Incorporated | 8.6 |
| [S4-230728](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230728.zip) | SR\_MSE Time Plan v0.4.0 | Rapporteur | 8.6 |
| [S4-230731](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230731.zip) | [5MBP3] General Updates and Corrections | Qualcomm incorporated | 8.5 |

## 8.3 Reports/Liaisons from other groups/meetings

### 8.3.1 Incoming LSs

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-230454](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230454.zip) | Reply LS on 5MBS User Services | CT3 | Andrijana Brekalo |

**E-mail Discussion**: none

**Presenter**: Frederic Gabin

**Online Discussion**:

* Richard: Looked at changes in CR, and they look okay. This is one of the reasons why JSON based representation is preferred rather than XML

**Decision**: Noted.

[S4-230454](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230454.zip) is **noted**.

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| --- | --- | --- | --- |
| [S4-230460](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230460.zip) | LS on Continuity of QoE measurements during intra-5GC inter-RAT HO | RAN2 | Andrijana Brekalo |

**E-mail Discussion**: none

**Presenter**: Frederic Gabin

**Online Discussion**:

* Gunnar: I do not think this should have any impact on SA4 work

**Decision**: Noted.

[S4-230460](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230460.zip) is **noted**.

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| --- | --- | --- | --- |
| [S4-230461](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230461.zip) | LS on buffer level threshold-based RVQoE reporting | RAN2 | Andrijana Brekalo |

**E-mail Discussion**: none

**Presenter**: none

**Online Discussion**: none

**Decision**: Replied in 496.

[S4-230461](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230461.zip) is **replied in [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip)**.

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| --- | --- | --- | --- |
| [S4-230466](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230466.zip) | Reply LS on Security architecture for 5G multicast/broadcast services | SA3 | Andrijana Brekalo |

**E-mail Discussion**: none

**Presenter**: Frederic Gabin

**Online Discussion**:

* Thorsten: We still have security procedures for control plane procedures [in our spec?]. Just want to highlight that SA3 has ignored our request. They only modified the user plane procedures, not the control plane
* Richard: This change was made in response to a request from SA2 in Athens meeting. Didn’t we send another LS in Athens meeting
  + Qi: Yes
  + Richard: Maybe they will still have a response to send to our LS request.
  + Thorsten: Okay, we can note it in that case

**Decision**: Noted.

[S4-230466](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230466.zip) is **noted**.

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| --- | --- | --- | --- |
| [S4-230467](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230467.zip) | Reply LS on the impact of MSK update on MBS multicast session update procedure | SA3 | Andrijana Brekalo |

**E-mail Discussion**: none

**Presenter**: Frederic Gabin

**Online Discussion**: See 466.

**Decision**: Noted.

[S4-230467](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230467.zip) is **noted**.

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| --- | --- | --- | --- |
| [S4-230477](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230477.zip) | LS on the reuse of EVEX as specified in TS 26.531 | SA6 | Andrijana Brekalo |

**E-mail Discussion**:

|  |  |  |
| --- | --- | --- |
| [[8.3 EVEX; 477, 483; 20 April 1300 CEST] Reply LS on the reuse of EVEX as specified in TS 26.531 (to SA6) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7c1df573.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 15:09:06 +0000 |
| [Re: [8.3 EVEX; 477, 483; 20 April 1300 CEST] Reply LS on the reuse of EVEX as specified in TS 26.531 (to SA6) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8246b8ff.2304C&S=) | Prakash Kolan <p.kolan@SAMSUNG.COM> | Tue, 18 Apr 2023 18:31:31 +0000 |
| [Re: [8.3 EVEX; 477, 483; 20 April 1300 CEST] Reply LS on the reuse of EVEX as specified in TS 26.531 (to SA6) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e049cdb1.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Wed, 19 Apr 2023 07:33:39 +0000 |
| [Re: [8.3 EVEX; 477, 483; 20 April 1300 CEST] Reply LS on the reuse of EVEX as specified in TS 26.531 (to SA6) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;bbdb85da.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 12:15:44 +0100 |
| [Re: [8.3 EVEX; 477, 483; 20 April 1300 CEST] Reply LS on the reuse of EVEX as specified in TS 26.531 (to SA6) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9a90b72a.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 12:30:37 +0100 |
| [Re: [8.3 EVEX; 477, 483; 20 April 1300 CEST] Reply LS on the reuse of EVEX as specified in TS 26.531 (to SA6) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;37e965d7.2304C&S=) | Prakash Kolan <p.kolan@SAMSUNG.COM> | Wed, 19 Apr 2023 14:25:06 +0000 |
| [Re: [8.3 EVEX; 477, 483; 20 April 1300 CEST] Reply LS on the reuse of EVEX as specified in TS 26.531 (to SA6) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7946cbb3.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 18:43:07 +0100 |
| [Re: [8.3 EVEX; 477, 483; 20 April 1300 CEST] Reply LS on the reuse of EVEX as specified in TS 26.531 (to SA6) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e6c70f56.2304C&S=) | Charles Lo <clo@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 18:13:35 +0000 |
| [Re: [8.3 EVEX; 477, 483; 20 April 1300 CEST] Reply LS on the reuse of EVEX as specified in TS 26.531 (to SA6) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;12e4da91.2304C&S=) | Prakash Kolan <p.kolan@SAMSUNG.COM> | Wed, 19 Apr 2023 20:20:57 +0000 |
| [Re: [8.3 EVEX; 477, 483; 20 April 1300 CEST] Reply LS on the reuse of EVEX as specified in TS 26.531 (to SA6) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7e05844.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 11:34:29 +0100 |
| [Re: [8.3 EVEX; 477, 483; 20 April 1300 CEST] Reply LS on the reuse of EVEX as specified in TS 26.531 (to SA6) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;cba7c46b.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 11:24:41 +0000 |

**Presenter**: Andrijana Brekalo

**Online Discussion**: none

**Decision**: Replied into 483.

[S4-230477](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230477.zip) is **replied in [S4-230483](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230483.zip).**

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| --- | --- | --- | --- |
| [S4-230478](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230478.zip) | LS on Approval of eQoE CRs for NR | SA5 | Andrijana Brekalo |

**E-mail Discussion**: none

**Presenter**: Andrijana Brekalo

**Online Discussion**: none

**Decision**: Noted.

[S4-230478](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230478.zip) is **noted**.

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| --- | --- | --- | --- |
| [S4-230481](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230481.zip) | Alignment of activities on UE data collection reporting and event exposure | TSG SA | Andrijana Brekalo |

**E-mail Discussion**:

|  |  |  |
| --- | --- | --- |
| [[8.3 EVEX; 481, 486, 482; 20 April 1300 CEST] Reply LS on alignment of activities on UE data collection, reporting and event exposure (to SA) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1f96ee74.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 16:04:46 +0000 |
| [Re: [8.3 EVEX; 481, 486, 482; 20 April 1300 CEST] Reply LS on alignment of activities on UE data collection, reporting and event exposure (to SA) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a6cbe47.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 18:08:38 +0100 |
| [Re: [8.3 EVEX; 481, 486, 482; 20 April 1300 CEST] Reply LS on alignment of activities on UE data collection, reporting and event exposure (to SA) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f54c6f1e.2304C&S=) | Charles Lo <clo@QTI.QUALCOMM.COM> | Tue, 18 Apr 2023 23:23:43 +0000 |
| [Re: [8.3 EVEX; 481, 486, 482; 20 April 1300 CEST] Reply LS on alignment of activities on UE data collection, reporting and event exposure (to SA) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9d96c923.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 05:36:47 +0000 |
| [Re: [8.3 EVEX; 481, 486, 482; 20 April 1300 CEST] Reply LS on alignment of activities on UE data collection, reporting and event exposure (to SA) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;14e147bd.2304C&S=) | Charles Lo <clo@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 06:05:00 +0000 |
| [Re: [8.3 EVEX; 481, 486, 482; 20 April 1300 CEST] Reply LS on alignment of activities on UE data collection, reporting and event exposure (to SA) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ea2878f.2304C&S=) | Andrijana Brekalo <Andrijana.Brekalo@ETSI.ORG> | Wed, 19 Apr 2023 07:19:33 +0000 |
| [Re: [8.3 EVEX; 481, 486, 482; 20 April 1300 CEST] Reply LS on alignment of activities on UE data collection, reporting and event exposure (to SA) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e7329c73.2304C&S=) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Wed, 19 Apr 2023 09:26:55 +0000 |
| [Re: [8.3 EVEX; 481, 486, 482; 20 April 1300 CEST] Reply LS on alignment of activities on UE data collection, reporting and event exposure (to SA) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;555383b1.2304C&S=) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Wed, 19 Apr 2023 09:44:06 +0000 |
| [Re: [8.3 EVEX; 481, 486, 482; 20 April 1300 CEST] Reply LS on alignment of activities on UE data collection, reporting and event exposure (to SA) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9d169063.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 11:40:21 +0100 |
| [Re: [8.3 EVEX; 481, 486, 482; 20 April 1300 CEST] Reply LS on alignment of activities on UE data collection, reporting and event exposure (to SA) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e07176b0.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 11:31:01 +0000 |
| [Re: [8.3 EVEX; 481, 486, 482; 20 April 1300 CEST] Reply LS on alignment of activities on UE data collection, reporting and event exposure (to SA) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4da53f49.2304C&S=) | Charles Lo <clo@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 23:50:46 +0000 |

**Presenter**: Andrijana Brekalo

**Online Discussion**:

* Draft responses in 482 and 662. But no consensus. More time is needed.

**Decision**: There will be a response at the next SA4 meeting.

[S4-230481](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230481.zip) is **postponed**.

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| --- | --- | --- | --- |
| [S4-230628](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230628.zip) | LS on consent of new Recommendation ITU-T Y.3123 (ex.Y.IMT2020-CEFEC) “Framework of edge computing capability exposure for IMT-2020 networks and beyond” | ITU | Andrijana Brekalo |

**E-mail Discussion**: none

**Presenter**: Frederic Gabin

**Online Discussion**: none

**Decision**: Noted

[S4-230628](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230628.zip) is **noted**.

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| --- | --- | --- | --- |
| [S4-230497](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230497.zip) | [EVEX] Discussion on EVEX extensions | Apple | Waqar Zia |

**E-mail Discussion**:

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| --- | --- | --- |
| [[8.3 EVEX; 497; 20 April 1300 CEST] [EVEX] Discussion on EVEX extensions -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a0b647c0.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 15:48:40 +0000 |
| [Re: [8.3 EVEX; 497; 20 April 1300 CEST] [EVEX] Discussion on EVEX extensions -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2f344548.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 16:51:47 +0100 |
| [Re: [8.3 EVEX; 497; 20 April 1300 CEST] [EVEX] Discussion on EVEX extensions -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;908b9424.2304C&S=) | Shane He (Nokia) <shane.he@NOKIA.COM> | Wed, 19 Apr 2023 16:54:01 +0000 |
| [Re: [8.3 EVEX; 497; 20 April 1300 CEST] [EVEX] Discussion on EVEX extensions -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b76c63c9.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 12:30:46 +0000 |

**Presenter**: Waqar Zia

**Online Discussion**: None

**Decision**: Agreed via emails. Clarification on SA3 coordination is still welcome though.

[S4-230497](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230497.zip) is **agreed**.

### 8.3.2 Proposed Responses

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| --- | --- | --- | --- |
| [S4-230482](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230482.zip) | Reply LS on alignment of activities on UE data collection, reporting and event exposure | BBC | Richard Bradbury |

**E-mail Discussion**: See [S4-230481](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230481.zip).

**Presenter**: Richard Bradbury

**Online Discussion**:

* There is an alternative answer from Qualcomm in 662.

**Decision**: No consensus between the 2 available draft responses. Will be managed at the next meeting.

[S4-230482](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230482.zip) is **postponed**.

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| --- | --- | --- | --- |
| [S4-230483](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230483.zip) | Reply LS on the reuse of EVEX as specified in TS 26.531 | BBC | Richard Bradbury |

**E-mail Discussion**: See [S4-230477](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230477.zip).

**Presenter**: Richard Bradbury

**Online Discussion**:

* Qi: For the answer on question 2 and 4. I think EVEX can meet their requirements.
* Richard: For question 2, I tried to give a comprehensive answer. The goal is to invite them to explain their needs in detail. Liaisons are useless.
* Prakash: I do agree. On number 2, they are asking if we can have an application independent enabler.
* Richard: For an application specific, they can use R8. There is no need for 3GPP specification.
* Frederic: Times is up. I will trigger email discussions.
* r04 version presented.
* Richard: The answers were correct but Prakash has proposed improvements.
* Prakash: Yes, the 1st version of the reply focused on the interface between the ASP and the AF. Some responses drafted were useful but they were not addressing the questions which were on end-to-end.
* Richard: Now, with Prakash's explanations, I feel less positive that EVEX is right for them. We provide the information, they will find their conclusions. No modification is required.

**Decision**: Revised to 683. The revision will be agreed without presentation and goes to the SA4 plenary.

[S4-230483](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230483.zip) is **revised to [S4-230683](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230683.zip)**.

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| [S4-230683](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230683.zip) | Reply LS on the reuse of EVEX as specified in TS 26.531 | BBC | Richard Bradbury |

**Decision**: Agreed without presentation.

[S4-230683](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230683.zip) is **agreed**.

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| [S4-230486](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230486.zip) | On Alignment of EVEX-related Future Work among 3GPP TSGs | Qualcomm Incorporated | Charles Lo |

**E-mail Discussion**: See [S4-230481](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230481.zip).

**Presenter**: Charles Lo

**Online Discussion**: none

**Decision**: Noted.

[S4-230486](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230486.zip) is **noted**.

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| [S4-230495](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230495.zip) | Discussion LS on buffer level threshold-based RVQoE reporting | Apple | Waqar Zia |

**E-mail Discussion**: none

**Presenter**: none

**Online Discussion**: none

**Decision**: Noted.

[S4-230495](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230495.zip) is **noted**.

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| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Draft Reply LS on buffer level threshold-based RVQoE reporting | Apple | Waqar Zia |

**E-mail Discussion**:

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| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Charles Lo <clo@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 04:21:34 +0000 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 05:38:41 +0000 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Waqar Zia <waqar\_zia@APPLE.COM> | Wed, 19 Apr 2023 13:58:18 +0200 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Charles Lo <clo@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 14:11:21 +0000 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Wed, 19 Apr 2023 14:44:19 +0000 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Waqar Zia <waqar\_zia@APPLE.COM> | Wed, 19 Apr 2023 19:28:25 +0200 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Hyung-Nam Choi5 <hchoi5@LENOVO.COM> | Wed, 19 Apr 2023 19:50:20 +0000 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Wed, 19 Apr 2023 20:29:20 +0000 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Wed, 19 Apr 2023 20:45:24 +0000 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Waqar Zia <waqar\_zia@APPLE.COM> | Thu, 20 Apr 2023 08:52:53 +0200 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Thu, 20 Apr 2023 06:54:28 +0000 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Waqar Zia <waqar\_zia@APPLE.COM> | Thu, 20 Apr 2023 14:50:32 +0200 |
| [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) | Waqar Zia <waqar\_zia@APPLE.COM> | Thu, 20 Apr 2023 17:45:27 +0200 |

**Presenter**: Waqar Zia

**Online Discussion**:

* r2 version presented.
* Gunnar: I had a late input on email. If application has to do it - they talk about threshold. With one threshold how does it really work? It is not a good way to use this periodic reporting. All of my comments were sent through email
* Qi: I think we may need to make it clear that the trigger may not be used in parallel to periodic reporting. Need a mechanism to avoid too frequent reporting. Need to give a warning about this point
* Waqar: In my idea, the periodic reporting is about configuration. Can an application misuse this? Possible. But such misuse can happen in multiple cases. Lets go with having this configuration based on RAN2 reporting needs. When that is done in RAN2, we can work further on app behaviour
* Gunnar: Today, we do not have a threshold in app layer for reporting. It is concerning that application may be reporting too much
* r3 version presented.
* Waqar: I revised it to 664. But I didn’t ask for that.

**Decision**: Revised to 664.

[S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip) is **revised to** [S4-230664](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230664.zip).

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip)664 | Draft Reply LS on buffer level threshold-based RVQoE reporting | Apple | Waqar Zia |

**E-mail Discussion**: none

**Presenter**: Waqar Zia

**Online Discussion**:

* Hyung-Nam: I think we can be more specific on the action and say keep SA4 updated on the details.
* Gunnar: I agree. It is also how the functionality is assumed to work.
* Hyung-Nam: We can remove the second occurrence of “kindly”. Replace “replay in” by “reply into” and add “further details of work on …”
* Frederic: I save the online edits in r1 and put it in the draft folder.

**Decision**: r1 with online edits is agreed. The revision will be agreed without presentation.

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip)664 is **revised to [S4-230684](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230684.zip)**.

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| [S4-230684](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230684.zip) | Reply LS on buffer level threshold-based RVQoE reporting | Apple | Waqar Zia |

**Decision**: agreed without presentation.

[S4-230684](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230684.zip) is **agreed** and sent to SA4 plenary for approval.

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| [S4-230500](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230500.zip) | Draft LS Reply on buffer level threshold-based RVQoE reporting | Huawei, HiSilicon | Qi Pan |

**E-mail Discussion**: See [S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip).

**Presenter**: none

**Online Discussion**: none

**Decision**: Noted

[S4-230500](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230500.zip) is **noted**.

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| [S4-230578](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230578.zip) | LS on Object Acquisition Method | BBC | Richard Bradbury |

**E-mail Discussion**:

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| [S4-230578](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230578.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 12:13:30 +0100 |
| [S4-230578](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230578.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 18:12:15 +0100 |

**Presenter**: Richard Bradbury

**Online Discussion**:

* r02 version presented.
* Thorsten: Does CT3 have only one way for the two methods - PUSH and PULL?
* Frederic: The actions are for CT4 and not CT3.
* Richard: Yes, I have to modify it.

**Decision**: We expect a revision in 695. The revision will go to the plenary.

[S4-230578](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230578.zip) is **revised to [S4-230695](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230695.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230578.zip)695 | LS on Object Acquisition Method | BBC | Richard Bradbury |

**E-mail Discussion**: See [S4-230578](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230578.zip).

**Decision**: See [S4-230578](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230578.zip). Goes to the plenary.

[S4-230695](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230695.zip) **goes to the plenary**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230481.zip)662 | Replay LS (to SA) on alignment of activities on UE data collection reporting and event exposure | Qualcomm | Charles Lo |

**E-mail Discussion**: none

**Presenter**: Charles Lo

**Online Discussion**:

* Gunnar: I would prefer SA4 to keep 531 and 532. It is quite important for SA4.
* Richard: I agree with that view. I can not agree the extensions will exceed SA4 scope.
* Prakash: Samsung doesn't have a strong position. But we prefer to take this kind of decision at the SA level. We prefer to not have a strong recommendation.
* Thomas: The rapporteur will be gone. We have a lot of interest from people in SA2. That’s why we think SA2 is a good place.
* Richard: Charles was the rapporteur for the WI. But the rapporteur for 531 is me and Charles is the rapporteur for 532.
* Prakash: Maybe we can take this decision at the next SA4 meeting to have more time.
* Frederic: Yes, it was good the answer to SA6 during this meeting. We can take more time to answer SA.

**Decision**: No consensus between the 2 available draft responses (482 and 662). It will be managed at the next meeting.

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230481.zip)662 is **postponed**.

## 8.4 Issues for immediate consideration

None

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

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| [S4-230456](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230456.zip) | [EVEX] Provisioning of Data Collection and Reporting Configuration | Qualcomm Incorporated, BBC, AT&T | Charles Lo |

**E-mail Discussion**:

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| [[8.5 EVEX; 456; 19 April 1300 CEST] CR 26.531-0005 [EVEX] Provisioning of Data Collection and Reporting Configuration -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;548d8929.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 10:41:29 +0000 |
| [Re: [8.5 EVEX; 456; 19 April 1300 CEST] CR 26.531-0005 [EVEX] Provisioning of Data Collection and Reporting Configuration -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4b9ad145.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 11:53:19 +0100 |
| [Re: [8.5 EVEX; 456; 19 April 1300 CEST] CR 26.531-0005 [EVEX] Provisioning of Data Collection and Reporting Configuration -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;cf3f18e.2304C&S=) | Charles Lo <clo@QTI.QUALCOMM.COM> | Tue, 18 Apr 2023 20:27:48 +0000 |
| [Re: [8.5 EVEX; 456; 19 April 1300 CEST] CR 26.531-0005 [EVEX] Provisioning of Data Collection and Reporting Configuration -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fea4aeb2.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 10:33:00 +0100 |
| [Re: [8.5 EVEX; 456; 19 April 1300 CEST] CR 26.531-0005 [EVEX] Provisioning of Data Collection and Reporting Configuration -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b191f633.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 11:09:16 +0100 |
| [Re: [8.5 EVEX; 456; 19 April 1300 CEST] CR 26.531-0005 [EVEX] Provisioning of Data Collection and Reporting Configuration -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8cd6a361.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 12:19:00 +0000 |
| [Re: [8.5 EVEX; 456; 19 April 1300 CEST] CR 26.531-0005 [EVEX] Provisioning of Data Collection and Reporting Configuration -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9f5b469d.2304C&S=) | Charles Lo <clo@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 14:35:51 +0000 |
| [[EVEX] updates to EVEX CRs 456->650 and 457->655](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b6cb30c0.2304C&S=) | Charles Lo <clo@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 15:50:02 +0000 |
| [Re: [EVEX] updates to EVEX CRs 456->650 and 457->655](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;781d501b.2304C&S=) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Wed, 19 Apr 2023 16:03:59 +0000 |
| [Re: [EVEX] updates to EVEX CRs 456->650 and 457->655](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ddb8c854.2304C&S=) | HU, JAMES <QH8316@ATT.COM> | Wed, 19 Apr 2023 16:48:56 +0000 |
| [Re: [EVEX] updates to EVEX CRs 456->650 and 457->655](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8e23bef4.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 18:16:56 +0100 |
| [Re: [EVEX] updates to EVEX CRs 456->650 and 457->655](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;186e6572.2304C&S=) | Charles Lo <clo@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 20:11:47 +0000 |
| [Re: [EVEX] updates to EVEX CRs 456->650 and 457->655](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;bc883f4.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 09:29:02 +0100 |

**Presenter**: Charles Lo

**Online Discussion**:

**Decision**: 456r02 agreed via emails. The revision will be agreed without presentation.

[S4-230456](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230456.zip) is **revised to [S4-230650](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230650.zip)**.

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| [S4-230650](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230650.zip) | [EVEX] Provisioning of Data Collection and Reporting Configuration | Qualcomm Incorporated, BBC, AT&T | Charles Lo |

**E-mail Discussion**: See [S4-230456](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230456.zip)

**Decision**: Agreed via emails without presentation.

[S4-230650](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230650.zip) is **agreed**.

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| [S4-230457](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230457.zip) | [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure | Qualcomm Incorporated, BBC, AT&T | Charles Lo |

**E-mail Discussion**:

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| --- | --- | --- |
| [[8.5 EVEX; 457; 19 April 1300 CEST] CR 26.531-0006 [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;93d95912.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 10:41:32 +0000 |
| [Re: [8.5 EVEX; 457; 19 April 1300 CEST] CR 26.531-0006 [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;cbbb7af3.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 11:56:02 +0100 |
| [Re: [8.5 EVEX; 457; 19 April 1300 CEST] CR 26.531-0006 [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ed69af57.2304C&S=) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Tue, 18 Apr 2023 11:57:38 +0000 |
| [Re: [8.5 EVEX; 457; 19 April 1300 CEST] CR 26.531-0006 [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;89854829.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 13:18:39 +0100 |
| [Re: [8.5 EVEX; 457; 19 April 1300 CEST] CR 26.531-0006 [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1b3c7c40.2304C&S=) | Charles Lo <clo@QTI.QUALCOMM.COM> | Tue, 18 Apr 2023 23:44:19 +0000 |
| [Re: [8.5 EVEX; 457; 19 April 1300 CEST] CR 26.531-0006 [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;cd479a11.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 12:21:54 +0000 |
| [Re: [8.5 EVEX; 457; 19 April 1300 CEST] CR 26.531-0006 [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b91588ef.2304C&S=) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Wed, 19 Apr 2023 13:11:55 +0000 |
| [Re: [8.5 EVEX; 457; 19 April 1300 CEST] CR 26.531-0006 [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8d6f9d5b.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 13:39:49 +0000 |
| [Re: [8.5 EVEX; 457; 19 April 1300 CEST] CR 26.531-0006 [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;50c1c0b1.2304C&S=) | Charles Lo <clo@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 14:36:45 +0000 |

**Presenter**: Charles Lo

**Online Discussion**: none

**Decision**: 457r02 agreed via emails. The revision will be agreed without presentation.

[S4-230457](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230457.zip) is **revised to [S4-230655](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230655.zip)**.

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| [S4-230655](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230655.zip) | [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure | Qualcomm Incorporated, BBC, AT&T | Charles Lo |

**E-mail Discussion**: See [S4-230457](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230457.zip).

**Decision**: Agreed with emails without presentation.

[S4-230655](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230655.zip) is **agreed**.

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| [S4-230473](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230473.zip) | [5GMS3] Rel-17 corrections | BBC | Richard Bradbury |

**E-mail Discussion**:

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| [[8.5 5GMS3; 473; 19 April 1300 CEST] CR 26.512-0033 [5GMS3] Rel-17 corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;88630c22.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 10:41:37 +0000 |
| [Re: [8.5 5GMS3; 473; 19 April 1300 CEST] CR 26.512-0033 [5GMS3] Rel-17 corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9a757c4.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Tue, 18 Apr 2023 10:49:50 +0000 |
| [Re: [8.5 5GMS3; 473; 19 April 1300 CEST] CR 26.512-0033 [5GMS3] Rel-17 corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;64246024.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 12:47:24 +0100 |
| [Re: [8.5 5GMS3; 473; 19 April 1300 CEST] CR 26.512-0033 [5GMS3] Rel-17 corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e7a868ee.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Wed, 19 Apr 2023 07:35:03 +0000 |
| [Re: [8.5 5GMS3; 473; 19 April 1300 CEST] CR 26.512-0033 [5GMS3] Rel-17 corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;bed401fa.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 12:24:00 +0000 |

**Decision**: Agreed via emails.

[S4-230473](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230473.zip) is **agreed**.

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| [S4-230474](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230474.zip) | [5MBUSA] Corrections to Object Distribution Method | BBC, Nokia Corporation | Richard Bradbury |

**E-mail Discussion**:

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| [Re: [8.5 5MBUSA; 474->685; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;431cf41.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 18:49:48 +0100 |
| [[8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;985f34de.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 10:41:41 +0000 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2e7c5906.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Tue, 18 Apr 2023 10:51:52 +0000 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a0091624.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 13:42:00 +0100 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4ab51b4a.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Tue, 18 Apr 2023 13:18:37 +0000 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;33a483ec.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Tue, 18 Apr 2023 15:30:16 +0000 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e5de279e.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 18:33:17 +0100 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e36fac80.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 19:36:05 +0100 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4394dcf4.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Wed, 19 Apr 2023 04:30:17 +0000 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;32e76da5.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Wed, 19 Apr 2023 07:37:28 +0000 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;405cc7b5.2304C&S=) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 11:55:04 +0000 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e6dcf435.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Wed, 19 Apr 2023 12:17:43 +0000 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e793c375.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 12:29:57 +0000 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;eb0e934a.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 13:50:05 +0100 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;da570a58.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 15:28:05 +0100 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;35d0ab5d.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 14:30:50 +0000 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;698b6912.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 20:23:31 +0100 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4bfc4383.2304C&S=) | Abdelaali Chaoub (Nokia) <abdelaali.chaoub@NOKIA.COM> | Thu, 20 Apr 2023 12:37:52 +0000 |
| [Re: [8.5 5MBUSA; 474; 19 April 1300 CEST] CR 26.502-0021 [5MBUSA] Corrections to Object Distribution Method -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1d67efb7.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Thu, 20 Apr 2023 13:03:17 +0000 |

**Presenter**: Richard Bradbury

**Online Discussion**:

* R01 version presented.
* r02 version presented.
* Frederic: “Draft Change Request” is not allowed. It should indicate that it is a CR.
* Thorsten: This push of the object in a single link is an issue. We need to work on the way to signal this.

**Decision**: Revised. The revision will be endorsed without presentation.

[S4-230474](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230474.zip) is **revised to [S4-230685](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230685.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230474.zip)685 | [5MBUSA] Corrections to Object Distribution Method | BBC, Nokia Corporation | Richard Bradbury |

**E-mail Discussion**: See [S4-230685](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230685.zip).

**Decision**: Endorsed without presentation.

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230474.zip)685 is **revised to [S4-230732](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230732.zip)** which is then **endorsed**.

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| [S4-230503](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230503.zip) | Correctino on length of FSA ID | Huawei, HiSilicon | Qi Pan |

**E-mail Discussion**:

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| [Re: [8.5 5MBP3; 503->658; 19 April 1300 CEST] CR 26.517-0008 [5MBP3] Correctino on length of FSA ID -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c11941db.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Thu, 20 Apr 2023 12:54:51 +0000 |
| [[8.5 5MBP3; 503; 19 April 1300 CEST] CR 26.517-0008 [5MBP3] Correctino on length of FSA ID -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1547b49f.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 10:41:47 +0000 |
| [Re: [8.5 5MBP3; 503; 19 April 1300 CEST] CR 26.517-0008 [5MBP3] Correctino on length of FSA ID -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d38e1932.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Tue, 18 Apr 2023 10:48:23 +0000 |
| [Re: [8.5 5MBP3; 503; 19 April 1300 CEST] CR 26.517-0008 [5MBP3] Correctino on length of FSA ID -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8e43941d.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 11:59:13 +0100 |
| [Re: [8.5 5MBP3; 503; 19 April 1300 CEST] CR 26.517-0008 [5MBP3] Correctino on length of FSA ID -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;67f0eb4d.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Wed, 19 Apr 2023 03:54:33 +0000 |
| [Re: [8.5 5MBP3; 503; 19 April 1300 CEST] CR 26.517-0008 [5MBP3] Correctino on length of FSA ID -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;64eb6ce3.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 10:44:27 +0100 |
| [Re: [8.5 5MBP3; 503; 19 April 1300 CEST] CR 26.517-0008 [5MBP3] Correctino on length of FSA ID -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d5cbbe8f.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Wed, 19 Apr 2023 11:35:05 +0000 |
| [Re: [8.5 5MBP3; 503; 19 April 1300 CEST] CR 26.517-0008 [5MBP3] Correctino on length of FSA ID -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d313aa29.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Wed, 19 Apr 2023 11:57:48 +0000 |
| [Re: [8.5 5MBP3; 503; 19 April 1300 CEST] CR 26.517-0008 [5MBP3] Correctino on length of FSA ID -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;127b2a64.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 13:53:26 +0100 |
| [Re: [8.5 5MBP3; 503; 19 April 1300 CEST] CR 26.517-0008 [5MBP3] Correctino on length of FSA ID -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;93ab4af1.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Wed, 19 Apr 2023 13:11:08 +0000 |
| [Re: [8.5 5MBP3; 503; 19 April 1300 CEST] CR 26.517-0008 [5MBP3] Correctino on length of FSA ID -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c4885e.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 13:13:39 +0000 |

**Presenter**: Qi Pan

**Online Discussion**:

* r03 version presented.
* Frederic: There is a typo in the title.
* Richard: This is a non-backwards compatible change. Previously an integer, but now a hex string. Thorsten, you have experience with MBMS. Any simple rules for schema change?
* Thorsten: We keep the existing schema, but add the new
* Frederic: This is not an extension. It is a name change
* Frederic: Id is to be updated
* Frederic: CR template to have ME impact corrected

**Decision**: Revised with the 3 changes. The revision will be agreed without presentation.

[S4-230503](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230503.zip) is **revised to [S4-230658](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230658.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230503.zip)658 | Correction on length of FSA ID | Huawei, HiSilicon | Qi Pan |

**E-mail Discussion**: See [S4-230503](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230503.zip).

**Decision**: Agreed without presentation.

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230503.zip)658 is **agreed.**

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| [S4-230505](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230505.zip) | [5MBUSA] Correction of Object Distribution Parameters | Ericsson LM | Thorsten Lohmar |

**E-mail Discussion**:

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| [[8.5 5MBUSA; 505; 19 April 1300 CEST] CR 26.502-0022 [5MBUSA] Correction of Object Distribution Parameters -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1b4c8239.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 10:41:43 +0000 |
| [Re: [8.5 5MBUSA; 505; 19 April 1300 CEST] CR 26.502-0022 [5MBUSA] Correction of Object Distribution Parameters -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;38e7096d.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 12:02:05 +0100 |
| [Re: [8.5 5MBUSA; 505; 19 April 1300 CEST] CR 26.502-0022 [5MBUSA] Correction of Object Distribution Parameters -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;cf2a9654.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Wed, 19 Apr 2023 07:58:21 +0000 |
| [Re: [8.5 5MBUSA; 505; 19 April 1300 CEST] CR 26.502-0022 [5MBUSA] Correction of Object Distribution Parameters -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8bbcc890.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Wed, 19 Apr 2023 09:33:15 +0000 |
| [Re: [8.5 5MBUSA; 505; 19 April 1300 CEST] CR 26.502-0022 [5MBUSA] Correction of Object Distribution Parameters -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7974b6e7.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 13:07:33 +0000 |
| [Re: [8.5 5MBUSA; 505; 19 April 1300 CEST] CR 26.502-0022 [5MBUSA] Correction of Object Distribution Parameters -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;112ac934.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 19:21:49 +0100 |
| [Re: [8.5 5MBUSA; 505; 19 April 1300 CEST] CR 26.502-0022 [5MBUSA] Correction of Object Distribution Parameters -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d1dbb97e.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 11:23:34 +0100 |
| [Re: [8.5 5MBUSA; 505; 19 April 1300 CEST] CR 26.502-0022 [5MBUSA] Correction of Object Distribution Parameters -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;552f664f.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Thu, 20 Apr 2023 11:45:06 +0000 |
| [Re: [8.5 5MBUSA; 505; 19 April 1300 CEST] CR 26.502-0022 [5MBUSA] Correction of Object Distribution Parameters -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1e9ec492.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 20:49:36 +0100 |

**Presenter**: Thorsten Lohmar

**Online Discussion**:

* r01 version presented.
* Thorsten: This is work in progress. I will prepare an update for the wash-up.
* r03 version presented.

**Decision**: Revised according to r03. The revision will be endorsed without presentation.

[S4-230505](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230505.zip) is **revised to [S4-230686](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230686.zip)**.

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| **[S4-230686](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230686.zip)** | [5MBUSA] Correction of Object Distribution Parameters | Ericsson LM | Thorsten Lohmar |

**Decision**: Endorsed without presentation.

**[S4-230686](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230686.zip)** is **endorsed**.

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| [S4-230506](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230506.zip) | [5MBUSA] Correction of Nmb5 / Nmb10 notification events | Ericsson LM | Thorsten Lohmar |

**E-mail Discussion**:

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| [[8.5 5MBUSA; 506; 19 April 1300 CEST] CR 26.502-0015 [5MBUSA] Correction of Nmb5 / Nmb10 notification events -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;61b88d35.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 10:41:45 +0000 |
| [Re: [8.5 5MBUSA; 506; 19 April 1300 CEST] CR 26.502-0015 [5MBUSA] Correction of Nmb5 / Nmb10 notification events -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9e6733c7.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 12:04:25 +0100 |
| [Re: [8.5 5MBUSA; 506; 19 April 1300 CEST] CR 26.502-0015 [5MBUSA] Correction of Nmb5 / Nmb10 notification events -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a6b99475.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Tue, 18 Apr 2023 12:48:56 +0000 |
| [Re: [8.5 5MBUSA; 506; 19 April 1300 CEST] CR 26.502-0015 [5MBUSA] Correction of Nmb5 / Nmb10 notification events -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e8e9f3c6.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 20:19:44 +0100 |
| [Re: [8.5 5MBUSA; 506; 19 April 1300 CEST] CR 26.502-0015 [5MBUSA] Correction of Nmb5 / Nmb10 notification events -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6e9386be.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 13:10:02 +0000 |
| [Re: [8.5 5MBUSA; 506; 19 April 1300 CEST] CR 26.502-0015 [5MBUSA] Correction of Nmb5 / Nmb10 notification events -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4cd0ee17.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Thu, 20 Apr 2023 11:11:00 +0000 |
| [Re: [8.5 5MBUSA; 506; 19 April 1300 CEST] CR 26.502-0015 [5MBUSA] Correction of Nmb5 / Nmb10 notification events -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;50653a29.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 12:45:26 +0100 |

**Presenter**: Thorsten Lohmar

**Online Discussion**:

* r01 version presented.
* Thorsten: Richard, about this new event (below figure 5.5-1): Steps 9 and 10 might be left overs and refer to deactivation events. Thus, is the MBSTF producing events, e.g. for each transmitted object? When not, it might be better just keep the deactivation events in 5.5-3.
* Richard: Notifying every time an object is ingested is crazy. Notify only in case of extreme failures
* r02\_BBC version presented
* Richard: You moved step-9 into Step-3. In certain circumstances, e.g., when there is failure, it may be needed to be there in step-9
* Thorsten: This is targeting clause 5.

**Decision**: Revised according to r02\_BBC version. The revision will be endorsed without presentation.

[S4-230506](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230506.zip) is **revised** to [S4-230687](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230687.zip).

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| **[S4-230687](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230687.zip)** | [5MBUSA] Correction of Nmb5 / Nmb10 notification events | Ericsson LM | Thorsten Lohmar |

**Decision**: Endorsed without presentation.

**[S4-230687](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230687.zip)** is **endorsed**.

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| [S4-230507](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230507.zip) | [5MBP3] Correction of parameter usage for Byte Range Object Repair | Ericsson LM | Thorsten Lohmar |

**E-mail Discussion**:

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| [[8.5 5MBP3; 507; 19 April 1300 CEST] CR 26.517-0009 [5MBP3] Correction of parameter usage for Byte Range Object Repair -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7de9ef8f.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 10:41:49 +0000 |
| [Re: [8.5 5MBP3; 507; 19 April 1300 CEST] CR 26.517-0009 [5MBP3] Correction of parameter usage for Byte Range Object Repair -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c041516f.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 12:06:28 +0100 |
| [Re: [8.5 5MBP3; 507; 19 April 1300 CEST] CR 26.517-0009 [5MBP3] Correction of parameter usage for Byte Range Object Repair -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;111b26b4.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Tue, 18 Apr 2023 12:54:13 +0000 |
| [Re: [8.5 5MBP3; 507; 19 April 1300 CEST] CR 26.517-0009 [5MBP3] Correction of parameter usage for Byte Range Object Repair -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;793337a9.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 17:25:31 +0100 |
| [Re: [8.5 5MBP3; 507; 19 April 1300 CEST] CR 26.517-0009 [5MBP3] Correction of parameter usage for Byte Range Object Repair -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d022c508.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Wed, 19 Apr 2023 09:44:18 +0000 |
| [Re: [8.5 5MBP3; 507; 19 April 1300 CEST] CR 26.517-0009 [5MBP3] Correction of parameter usage for Byte Range Object Repair -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b43cccd3.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 13:57:38 +0100 |
| [Re: [8.5 5MBP3; 507; 19 April 1300 CEST] CR 26.517-0009 [5MBP3] Correction of parameter usage for Byte Range Object Repair -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d498fa39.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 13:27:07 +0000 |
| [Re: [8.5 5MBP3; 507; 19 April 1300 CEST] CR 26.517-0009 [5MBP3] Correction of parameter usage for Byte Range Object Repair -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a96f7c06.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Wed, 19 Apr 2023 13:55:38 +0000 |
| [Re: [8.5 5MBP3; 507; 19 April 1300 CEST] CR 26.517-0009 [5MBP3] Correction of parameter usage for Byte Range Object Repair -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2b205e36.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 14:18:23 +0000 |
| [Re: [8.5 5MBP3; 507; 19 April 1300 CEST] CR 26.517-0009 [5MBP3] Correction of parameter usage for Byte Range Object Repair -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9d64eca2.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 19:10:36 +0100 |
| [Re: [8.5 5MBP3; 507; 19 April 1300 CEST] CR 26.517-0009 [5MBP3] Correction of parameter usage for Byte Range Object Repair -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ed9d6b63.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Thu, 20 Apr 2023 11:09:29 +0000 |
| [Re: [8.5 5MBP3; 507; 19 April 1300 CEST] CR 26.517-0009 [5MBP3] Correction of parameter usage for Byte Range Object Repair -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c79fdbc3.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 13:11:45 +0100 |

**Presenter**: Thorsten Lohmar

**Online Discussion**:

* r02 version presented.
* Thorsten: I think the target date is wrong.
* r03\_BBC version is presented
* Frederic: It is strange that we have URI types for a URL
* Richard: This is very similar to Thorsten’s CR

**Decision**: Revised according to r03\_BBC version. The revision will be endorsed without presentation.

[S4-230507](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230507.zip) is **revised to [S4-230688](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230688.zip)**.

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| **[S4-230688](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230688.zip)** | [5MBP3] Correction of parameter usage for Byte Range Object Repair | Ericsson LM | Thorsten Lohmar |

**Decision**: Endorsed without presentation.

**[S4-230688](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230688.zip)** is **endorsed**.

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| [S4-230548](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230548.zip) | [5MBP3] Manifest format for Object Collection and Carousel | Nokia Corporation, BBC | Abdelaali CHAOUB |

**E-mail Discussion**:

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| [[8.5 5MBP3; 548; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] Manifest format for Object Collection and Carousel-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;281fcb12.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 10:41:52 +0000 |
| [Re: [8.5 5MBP3; 548; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] Manifest format for Object Collection and Carousel-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ca492a39.2304C&S=) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Tue, 18 Apr 2023 10:51:02 +0000 |
| [Re: [8.5 5MBP3; 548; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] Manifest format for Object Collection and Carousel-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dc2c4c75.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 12:37:35 +0100 |
| [Re: [8.5 5MBP3; 548; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] Manifest format for Object Collection and Carousel-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a182e045.2304C&S=) | Abdelaali Chaoub (Nokia) <abdelaali.chaoub@NOKIA.COM> | Tue, 18 Apr 2023 12:17:37 +0000 |
| [Re: [8.5 5MBP3; 548; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] Manifest format for Object Collection and Carousel-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;613f86ac.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 16:47:42 +0100 |
| [Re: [8.5 5MBP3; 548; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] Manifest format for Object Collection and Carousel-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;21043e6d.2304C&S=) | Abdelaali Chaoub (Nokia) <abdelaali.chaoub@NOKIA.COM> | Tue, 18 Apr 2023 21:03:21 +0000 |
| [Re: [8.5 5MBP3; 548; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] Manifest format for Object Collection and Carousel-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;942493e9.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 10:02:43 +0100 |
| [Re: [8.5 5MBP3; 548; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] Manifest format for Object Collection and Carousel-> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4e4ed23a.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 13:34:17 +0000 |

**Presenter**: Abdelaali CHAOUB

**Online Discussion**: none

**Decision**: Revised to 659. The revision is agreed without presentation.

[S4-230548](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230548.zip) is **revised to [S4-230659](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230659.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230548.zip)659 | [5MBP3] Manifest format for Object Collection and Carousel | Nokia Corporation, BBC | Abdelaali CHAOUB |

**E-mail Discussion**: See [S4-230548](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230548.zip)

**Decision**: Agreed via emails without presentation.

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230548.zip)659 is **agreed**.

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| [S4-230535](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230535.zip) | [5MBP3] General Updates and Corrections | Qualcomm incorporated | Thomas Stockhammer |

**E-mail Discussion**:

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| [[8.5 5MBP3; 535; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] General Updates and Corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6932043.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 10:41:54 +0000 |
| [Re: [8.5 5MBP3; 535; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] General Updates and Corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b91eedc0.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 12:08:13 +0100 |
| [Re: [8.5 5MBP3; 535; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] General Updates and Corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;21dfbc7e.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 13:36:42 +0000 |
| [Re: [8.5 5MBP3; 535; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] General Updates and Corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;37410a05.2304C&S=) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 22:34:52 +0000 |
| [Re: [8.5 5MBP3; 535; 19 April 1300 CEST] CR 26.517-0007 [5MBP3] General Updates and Corrections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;179a15c3.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 11:41:27 +0100 |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* \_BBC version presented.
* Thomas: I would like to avoid this bundling.
* Richard: Historically we had multiple documents. Thorsten suggested that we ditch XML altogether
* Thomas: I am okay to dump this everything, and in long term it simplifies everything
* Thomas: It doesn’t make sense to have two representations.
* Richard: Yeah, probably not strong enough reason to keep XML representation
* Thomas: Okay, this might need substantial changes, but it might be worth it. Need to do it by next meeting
* Thomas: This document has elements and attributes. JSON doesn’ have that right
* Richard: Thorsten represented it clearly.
* Thorsten: General question - for object repair parameters. When we now start inserting in one document, how do we control objects that were inserted incorrectly and prevent object repair using unicast?
* Thomas: In XML, there is this link element that you can use to update
* Richard: In JSON, there is JSON PATCH
* Thomas: Do we have the guts to remove XML?
* Richard: Maybe do a Rel-17 change citing the clause 5.1A.1 point 2 as the reason?
* Qi: I do not think we should change Rel-17 as there are products that have implemented stage-3 spec already

**Decision**: Revised. The revision will go to the plenary.

[S4-230535](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230535.zip) is **revised to [S4-230731](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230731.zip)**.

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| [S4-230731](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230731.zip) | [5MBP3] General Updates and Corrections | Qualcomm incorporated | Thomas Stockhammer |

[S4-230731](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230731.zip) is **presented to SA4 plenary**.

## 8.6 SR\_MSE (Split Rendering Media Service Enabler)

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| [S4-230563](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230563.zip) | [SR\_MSE] Adding high-level call flow and improving the edge processing | Tencent Cloud | Iraj Sodagar |

**E-mail Discussion**: none

**Presenter**: Iraj Sodagar

**Online Discussion**:

* Thorsten: Where is v0.3.0 of 26.565?
* Frederic : 0.3.0 was available in Athens (Tdoc [S4-230291](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230291.zip)) but the specification has not been uploaded. Question to be asked to Imed or Adrianna but they are not connected.
* Thorsten: The figure resembles 5GMS kind of architecture, but the function names are completely different. Maybe align/explain the figure?
* Iraj: We are working on the architecture in RTC with a similar approach as 5GMS. This contribution is proposing an update for provisioning interface for this use case
* Thorsten: Are we copying the text from the 5GMS specification?
* Iraj: Yes, and updating it.
* Thorsten: No strong concern on architecture. General concern on using 5GMS architecture, but this is not specific to this contribution
* Richard: Can we not use yellow? It is specific for 5GMS. Can we choose another colour?
  + Frederic: The yellow boxes are 5GMS specific
  + Chris Steck: You can’t rely on colours to represent meaning in a spec due to accessibility needs. Probably better to indicate in legend where each component belongs
* Thomas: Imed has comments but he is not online.
* Thomas: I don't believe this is 5G media streaming at all. It is more related to GA4RTAR
  + Iraj: This exists in the specification. We are just adding a bullet point text
* Thorsten: I agree with Chris. But this is due to copy and paste from existing architectures..
* Iraj: We did not copy and paste. We have new functionalities added.
* Richard: Any reason for not giving a name to the reference point between RTC AF and MSH?
  + Iraj: I am just using what is there already
* Thomas: Question on the mode - can the split rendering service be run transparent to the application?
  + Iraj: Think so, but we need Imed to discuss further on this technical aspect

**Decision**: Goes to the plenary.

[S4-230563](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230563.zip) **goes to the plenary**.

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| [S4-230594](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230594.zip) | [SR\_MSE] Network Procedures for Split Rendering | Qualcomm CDMA Technologies | Imed Bouazizi |

**E-mail Discussion**:

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| [S4-230594](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230594.zip) | Sunzhao(Sunny) <sunzhao@HUAWEI.COM> | Mon, 17 Apr 2023 07:01:02 +0000 |
| [S4-230594](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230594.zip) | Imed Bouazizi <BOUAZIZI@QTI.QUALCOMM.COM> | Mon, 17 Apr 2023 17:28:31 +0000 |
| [S4-230594](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230594.zip) | Sunzhao(Sunny) <sunzhao@HUAWEI.COM> | Tue, 18 Apr 2023 08:27:14 +0000 |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Iraj: This is related to 563. Both have to be discussed offline. I will organise it.

**Decision**: Goes to the plenary.

[S4-230594](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230594.zip) **goes to the plenary**.

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| [S4-230727](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230727.zip) | Draft TS 26.565 v0.4.0 | Qualcomm Incorporated | Imed Bouazizi |

[S4-230727](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230727.zip) is **presented to SA4 plenary**.

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| [S4-230728](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230728.zip) | SR\_MSE Time Plan v0.4.0 | Rapporteur | Imed Bouazizi |

[S4-230728](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230728.zip) is **presented to SA4 plenary**.

## 8.7 5GMS\_Ph2 (5G Media Streaming Architecture Phase2)

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| [S4-230472](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230472.zip) | [5GMS\_Ph2] 5GMS AS configuration via M3 | BBC | Richard Bradbury |

**E-mail Discussion**:

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| [S4-230472](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230472.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 13:06:09 +0100 |

**Presenter**: Richard Bradbury

**Online Discussion**:

* r01 version presented.
* Thorsten: I think we don’t call it M1D, it is now M1.
* Richard: It depends if we are in stage 2 or 3. In stage 2, it is still M1D. I didn’t change it, I changed only the M3d link.

**Decision**: r01 is agreed.

[S4-230472](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230472.zip) is **revised to [S4-230636](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230636.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230472.zip)636 | [5GMS\_Ph2] 5GMS AS configuration via M3 | BBC | Richard Bradbury |

**Decision**: Agreed without presentation.

[S4-230636](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230636.zip) is **agreed**.

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| [S4-230531](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230531.zip) | [5GMS\_Ph2] Service URL Handling | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion**:

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| [S4-230531](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230531.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 11:34:47 +0100 |
| [531 -> 637 on Inbox](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;25db0a41.2304C&S=) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 10:26:26 +0000 |
| [Re: 531 -> 637 on Inbox](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a5770a6.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 13:33:03 +0100 |
| [Re: 531 -> 637 on Inbox](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;75361e14.2304C&S=) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 12:36:18 +0000 |
| [Re: 531 -> 637 on Inbox](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a8a86cc3.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 13:48:50 +0100 |
| [Re: 531 -> 637 on Inbox](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;deaf8cce.2304C&S=) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 12:59:10 +0000 |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* \_BBC version presented.
* Thomas: It is a step forward to complete.
* Thomas: In Figure 4.2.2-2, Service URL Handling should be shown as a revision.
* Thorsten: Addition in the figure could be shown in a Note.
* Thomas: Service URL handling also applies to uplink streaming. Interested parties can check how to use the URL
* Richard: Trying to embed an external identifier might be the way to go in release 18. Prior to Rel-18, the identifiers work with a single 5GMS system, but starting Rel-18, we may use this URL at a 5G system universal level

**Decision**: Revised to 637. The revision will go to the washup, the goal is to endorse.

[S4-230531](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230531.zip) is **revised to [S4-230637](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230637.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230531.zip)637 | [5GMS\_Ph2] Service URL Handling | Qualcomm Incorporated | Thomas Stockhammer |

**E-mail Discussion**: See [S4-230531](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230531.zip).

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Richard: A merge is needed to take into consideration M3d as a solid line.
* Thomas: We talk about profiles here. Is this something new here, or was it introduced somewhere else?
* Richard: Suggest to have it documented if it is useful to have the profile signalled as part of the API

**Decision**: Revised. The revision will be endorsed without presentation

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230531.zip)637 is **revised to [S4-230689](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230689.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230531.zip)689 | [5GMS\_Ph2] Service URL Handling | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Endorsed without presentation

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230531.zip)689 is **endorsed**.

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| [S4-230533](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230533.zip) | [5GMSA\_Ph2] 5GMS over 5MBS | Qualcomm Incorporated, BBC, Tencent | Thomas Stockhammer |

**E-mail Discussion**:

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| [S4-230533](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230533.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 11:35:13 +0100 |
| [533 -> 638 in Inbox](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;726fcbae.2304C&S=) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 12:06:28 +0000 |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* \_BBC version presented
* Thomas: Do we want to have 2 reporting mechanisms?
* Richard: Maybe we could have a clause indicating that things can happen in parallel. I would be happy to remove the content with just a sentence explaining what could happen.
* Thomas: Hybrid has been removed because it is confusing.
* Abdelaali: Hybrid has been defined in a report, probably 80X.
* Thomas: No need to argue if we remove the term.
* Thomas: All the spec is written with DASH, but we also support HLS. How do we say that we do both?
* Thorsten: We have introduced specific things for DASH and HLS. It would be good to indicate if both can be supported or not.
* Frederic: Maybe we can replace “DASH” by “DASH/HLS”.
* Richard: That could be a note in clause 4 saying it applies to both DASH and HLS
* Thorsten: I would be OK with a note. My aim is constituency.
* Thomas: This note should be done elsewhere, this is more a Rel-16 bug fixing. Maybe we could fix it for Rel-18, but if people are interested, we can piggyback to older releases
* Thorsten: Maybe we can have a separate CR to do all the fixes

**Decision**: Revised to 638. 638 will be reviewed during the washup.

[S4-230533](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230533.zip) is **revised** to [S4-230638](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230638.zip).

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230533.zip)638 | [5GMSA\_Ph2] 5GMS over 5MBS | Qualcomm Incorporated, BBC, Tencent | Thomas Stockhammer |

**E-mail Discussion**: none

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Richard: Changes in 5.X.1 seems to be okay

**Decision**: Endorsed.

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230533.zip)638 is **endorsed**.

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| [S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip) | [5GMSA\_Ph2] End-to-end low latency live streaming | Qualcomm Incorporated, BBC, Tencent | Thomas Stockhammer |

**E-mail Discussion**:

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| [S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 11:48:10 +0100 |
| [S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip) | Iraj Sodagar <irajs@LIVE.COM> | Tue, 18 Apr 2023 22:56:15 +0000 |
| [S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 13:27:28 +0100 |
| [S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip) | Iraj Sodagar <irajs@LIVE.COM> | Wed, 19 Apr 2023 23:44:08 +0000 |
| [S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 12:49:04 +0000 |
| [S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 13:56:29 +0100 |
| [S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip) | Iraj Sodagar <irajs@LIVE.COM> | Thu, 20 Apr 2023 13:32:15 +0000 |
| [S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 14:33:37 +0100 |
| [S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 13:38:43 +0000 |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* \_BBC version presented.
* Thomas: This is progressing the work.
* Richard: I think we need an entirely new and much simpler diagram in Figure 5.3.1-1.
* Thomas: Yes, it needs to be fixed

**Decision**: Revised to 639.

[S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip) is **revised to [S4-230639](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230639.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip)639 | [5GMSA\_Ph2] End-to-end low latency live streaming | Qualcomm Incorporated, BBC, Tencent | Thomas Stockhammer |

**E-mail Discussion**: none

**Presenter**: Thomas Stockhammer

**Online Discussion**:

**Decision**: 639 is not available. It will go to the plenary.

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip)639 **goes to the plenary**.

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| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | [5GMS\_Ph2] Multiple-manifest: Improvements on the multiple manifest downlink streaming call flow | Tencent Cloud | Iraj Sodagar |

**E-mail Discussion**:

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| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 18 Apr 2023 11:35:52 +0100 |
| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | Iraj Sodagar <irajs@LIVE.COM> | Tue, 18 Apr 2023 19:55:51 +0000 |
| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 10:14:26 +0100 |
| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 11:53:11 +0000 |
| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 13:39:48 +0100 |
| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 13:41:54 +0100 |
| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 22:42:48 +0000 |
| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | Iraj Sodagar <irajs@LIVE.COM> | Thu, 20 Apr 2023 00:08:11 +0000 |
| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | Iraj Sodagar <irajs@LIVE.COM> | Thu, 20 Apr 2023 07:27:13 +0000 |
| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 11:48:55 +0100 |
| [S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 11:08:26 +0000 |

**Presenter**: Iraj Sodagar

**Online Discussion**:

* \_BBC version presented
* Richard: Okay with the proposal, but the \_BBC version suggest simpler changes for the same proposal
* Iraj: We’ll try to look into the suggested changes

**Decision**: Revised to 641.

[S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip) is **revised to [S4-230641](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230641.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip)641 | [5GMS\_Ph2] Multiple-manifest: Improvements on the multiple manifest downlink streaming call flow | Tencent Cloud | Iraj Sodagar |

**E-mail Discussion**: none

**Presenter**: Iraj Sodagar

**Online Discussion**: none

**Decision**: Not available. Goes to the plenary.

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip)641 **goes to the plenary**.

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| [S4-230566](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230566.zip) | [5GMS\_Ph2] End-to-end low latency live streaming: adding editor’s note | Tencent Cloud | Iraj Sodagar |

**E-mail Discussion**: See [S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip).

**Presenter**: Iraj Sodagar

**Online Discussion**:

* Iraj: Richard has started a thread by email. We need to discuss it.
* Thomas: What is the diagram?
* Iraj: The question is how entities work with each other. This explains that there is a one to one mapping.
* Thomas: I agree but I don’t believe “Media Entry Point” is correct.
* Richard: A more formal diagram using UML notation is my suggestion. Example I sent using email might not be completely right. Need to revisit
* Iraj: What if a picked service operation point is not supported. Will the Media Player inform the application?
* Thomas: A service operation point is picked and checked if it is supported
* Iraj: Maybe we check offline
* Abdellali: Maybe have some defaults for some parameters?
* Thomas: It might be difficult to have defaults for some parameters. We need to check
* Thomas: Suggest to merge 534 and 566

**Decision**: Merged into 639.

[S4-230566](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230566.zip) is **merged into [S4-230639](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230639.zip)**.

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

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| [S4-230458](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230458.zip) | [FS\_SmarTAR] RTP header extension for in-band delay measurement | Qualcomm Technologies Ireland | Ma Liangping |

**E-mail Discussion**:

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| [[8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;686770c3.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 20:53:20 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a4200cb3.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Wed, 19 Apr 2023 08:52:13 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c6c7e418.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 15:21:29 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6959138f.2304C&S=) | Shane He (Nokia) <shane.he@NOKIA.COM> | Wed, 19 Apr 2023 16:43:39 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;90b0b730.2304C&S=) | Daniel Venmani (Nokia) <daniel.venmani@NOKIA.COM> | Wed, 19 Apr 2023 16:44:29 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;55738bb4.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Thu, 20 Apr 2023 04:27:13 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8fc69208.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 06:17:32 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3d734ae.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 06:32:29 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;61f4e94f.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 07:06:56 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;817437ba.2304C&S=) | Daniel Venmani (Nokia) <daniel.venmani@NOKIA.COM> | Thu, 20 Apr 2023 08:01:58 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1d1bb578.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 12:00:10 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8c484121.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 13:03:07 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;20e5e47d.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 13:32:16 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;8eb5e243.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 13:39:44 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;729d5a26.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 14:10:47 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;53bd12a3.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Thu, 20 Apr 2023 14:22:54 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a7825631.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 14:38:52 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;56d18100.2304C&S=) | Daniel Venmani (Nokia) <daniel.venmani@NOKIA.COM> | Thu, 20 Apr 2023 14:57:13 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;96c3e171.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 15:31:23 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;6878cb49.2304C&S=) | Shane He (Nokia) <shane.he@NOKIA.COM> | Thu, 20 Apr 2023 15:32:31 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3cfb547d.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 17:15:41 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;3f4dcdc.2304C&S=) | Shane He (Nokia) <shane.he@NOKIA.COM> | Thu, 20 Apr 2023 17:37:16 +0000 |
| [Re: [8.8 FS\_SmarTAR; 458; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 RTP header extension for in-band delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1086f470.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 17:44:59 +0000 |

**Presenter**: Ma Liangping

**Online Discussion**: none

**Decision**: Noted.

[S4-230458](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230458.zip) is **noted**.

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| [S4-230504](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230504.zip) | Clarification on non-5G delay measurement | Huawei, HiSilicon | Qi Pan |

**E-mail Discussion**:

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| [[8.8 FS\_SmarTAR; 504; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 Clarification on non-5G delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;24230f7b.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 20:53:26 +0000 |
| [Re: [8.8 FS\_SmarTAR; 504; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 Clarification on non-5G delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fc73e319.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 05:44:54 +0000 |
| [Re: [8.8 FS\_SmarTAR; 504; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 Clarification on non-5G delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4e8ac349.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Wed, 19 Apr 2023 08:13:01 +0000 |
| [Re: [8.8 FS\_SmarTAR; 504; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 Clarification on non-5G delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;387602dc.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 15:07:22 +0000 |
| [Re: [8.8 FS\_SmarTAR; 504; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 Clarification on non-5G delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;293c668f.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Thu, 20 Apr 2023 06:09:40 +0000 |
| [Re: [8.8 FS\_SmarTAR; 504; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 Clarification on non-5G delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;84d84441.2304C&S=) | Liangping Ma <lpma@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 06:40:59 +0000 |
| [Re: [8.8 FS\_SmarTAR; 504; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 Clarification on non-5G delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;a061d03b.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 12:01:51 +0000 |
| [Re: [8.8 FS\_SmarTAR; 504; 20 April 1300 CEST] [FS\_SmarTAR] pCR 26.806 Clarification on non-5G delay measurement -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f937182d.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Thu, 20 Apr 2023 12:10:54 +0000 |

**Decision**: Revised by email. 504r01 looks agreeable, it is revised to 678.

[S4-230504](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230504.zip) is **revised to [S4-230678](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230678.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230504.zip)678 | Clarification on non-5G delay measurement | Huawei, HiSilicon | Qi Pan |

**E-mail Discussion**: See [S4-230678](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230678.zip).

**Decision**: Agreed without presentation.

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230504.zip)678 is **agreed**.

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| [S4-230530](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230530.zip) | [FS\_SmarTAR] Key Issue #5: Compute distribution across UE and network for tethered glasses | Qualcomm incorporated | Thomas Stockhammer |

**E-mail Discussion**:

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| [[8.8 FS\_SmarTAR; 530; 20 April 1300 CEST] [FS\_SmarTAR] Key Issue #5: Compute distribution across UE and network for tethered glasses -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fd54b620.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 20:53:30 +0000 |
| [Re: [8.8 FS\_SmarTAR; 530; 20 April 1300 CEST] [FS\_SmarTAR] Key Issue #5: Compute distribution across UE and network for tethered glasses -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e3e34606.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 12:11:08 +0000 |

**Decision**: Agreed via emails.

[S4-230530](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230530.zip) is **agreed**.

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| [S4-230536](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230536.zip) | [FS\_SmarTAR] Proposed Updated Work Plan | Qualcomm incorporated | Thomas Stockhammer |

[S4-230536](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230536.zip) is **presented to the SA4 plenary**.

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| [S4-230537](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230537.zip) | [FS\_SmarTAR] Editor's Proposed Update of TR 26.806 | Qualcomm incorporated | Thomas Stockhammer |

**E-mail Discussion**:

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| [[8.8 FS\_SmarTAR; 537; 20 April 1300 CEST] [FS\_SmarTAR] Editor's Proposed Update of TR 26.806 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e20cf182.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 20:53:15 +0000 |
| [Re: [8.8 FS\_SmarTAR; 537; 20 April 1300 CEST] [FS\_SmarTAR] Editor's Proposed Update of TR 26.806 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2679e8fe.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 11:48:07 +0000 |

**Decision**: Agreed via emails.

[S4-230537](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230537.zip) is **agreed**.

## 8.9 FS\_MS\_NS\_Ph2 (Study on Media Streaming aspects of Network Slicing Phase 2)

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| [S4-230599](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230599.zip) | [FS\_MS\_NS\_Ph2] Candidate Solution for Key Issue #1: Service Provisioning | Samsung Research America | Prakash Kolan |

**E-mail Discussion**:

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| [[8.9 FS\_MS\_NS\_Ph2; 599; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Candidate Solution for Key Issue #1: Service Provisioning -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9a7197bc.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 21:52:10 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 599; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Candidate Solution for Key Issue #1: Service Provisioning -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f0a9473c.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 09:37:37 +0100 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 599; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Candidate Solution for Key Issue #1: Service Provisioning -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9c3c4ec0.2304C&S=) | Prakash Kolan <p.kolan@SAMSUNG.COM> | Wed, 19 Apr 2023 20:26:03 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 599; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Candidate Solution for Key Issue #1: Service Provisioning -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;f0dc97d4.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 11:37:01 +0100 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 599; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Candidate Solution for Key Issue #1: Service Provisioning -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;73edce54.2304C&S=) | Prakash Kolan <p.kolan@SAMSUNG.COM> | Thu, 20 Apr 2023 12:13:29 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 599; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Candidate Solution for Key Issue #1: Service Provisioning -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;2c3a8598.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 12:17:05 +0000 |

**Decision**: Revised via emails based on BBC comments and adding BBC as source. The revised version will be agreed without presentation.

[S4-230599](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230599.zip) is **revised to [S4-230679](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230679.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230599.zip)679 | [FS\_MS\_NS\_Ph2] Candidate Solution for Key Issue #1: Service Provisioning | Samsung Research America | Prakash Kolan |

**E-mail Discussion**: See [S4-230599](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230599.zip)

**Decision**: Agreed via emails without presentation.

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230599.zip)679 is **agreed**.

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| [S4-230600](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230600.zip) | [FS\_MS\_NS\_Ph2] Key Issue #3: Moving media flows to other slices | Samsung Research America | Prakash Kolan |

**E-mail Discussion**:

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| --- | --- | --- |
| [[8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5c033cef.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 18 Apr 2023 21:52:14 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c04b19bc.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 09:41:43 +0100 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;50522ab4.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Wed, 19 Apr 2023 11:35:34 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;bb597014.2304C&S=) | Prakash Kolan <p.kolan@SAMSUNG.COM> | Wed, 19 Apr 2023 23:07:56 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4d987137.2304C&S=) | Prakash Kolan <p.kolan@SAMSUNG.COM> | Wed, 19 Apr 2023 23:19:44 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5341106f.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Thu, 20 Apr 2023 06:57:49 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;78b02b25.2304C&S=) | Daniel Venmani (Nokia) <daniel.venmani@NOKIA.COM> | Thu, 20 Apr 2023 09:55:28 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9380dd4e.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 11:58:03 +0100 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;fa4696f.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 12:18:22 +0100 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;998b8a7c.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 12:23:15 +0100 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;85bb25fd.2304C&S=) | Prakash Kolan <p.kolan@SAMSUNG.COM> | Thu, 20 Apr 2023 12:09:00 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;d999c141.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 13:20:25 +0100 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1abd1172.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 12:20:28 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;aa418c10.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 13:24:18 +0100 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;9bbdaa86.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 12:25:17 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;dd2666ed.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Thu, 20 Apr 2023 12:58:02 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;1a71c9ea.2304C&S=) | Prakash Kolan <p.kolan@SAMSUNG.COM> | Thu, 20 Apr 2023 15:45:40 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;72edc1bd.2304C&S=) | Daniel Venmani (Nokia) <daniel.venmani@NOKIA.COM> | Thu, 20 Apr 2023 16:03:51 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;52a59ea7.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 20:10:15 +0100 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;de796433.2304C&S=) | Prakash Kolan <p.kolan@SAMSUNG.COM> | Fri, 21 Apr 2023 03:41:57 +0000 |
| [Re: [8.9 FS\_MS\_NS\_Ph2; 600; 20 April 1300 CEST] [FS\_MS\_NS\_Ph2] pCR 26.941 Key Issue #3: Moving media flows to other slices -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;c21e2b3e.2304C&S=) | panqi (E) <panqi8@HUAWEI.COM> | Fri, 21 Apr 2023 05:38:15 +0000 |

**Decision**: Revised via emails. It will be used as a basis for further work. The revision will be noted without presentation.

[S4-230600](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230600.zip) is **revised to [S4-230680](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230680.zip)**.

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| [S4-2306](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230600.zip)80 | [FS\_MS\_NS\_Ph2] Key Issue #3: Moving media flows to other slices | Samsung Research America | Prakash Kolan |

**Decision**: Noted without presentation.

[S4-2306](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230600.zip)80 is **noted**.

## 8.10 New Work / New Work Items and Study Items

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-230532](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230532.zip) | Draft WID for 5G Media Streaming Protocols Phase 2 | Qualcomm incorporated, Tencent, Orange, BBC, Sony Europe B.V. | Thomas Stockhammer |

**E-mail Discussion**: none

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Iraj: Have a related contribution on this - 569
* Thorsten: Question on timing - I would have expected to go for approval at next SA4 meeting because next SA meeting is after next SA4 meeting
* Frederic: Yes, we can agree this as a basis for further work, and finalize in Berlin meeting

**Decision**: Revised to 656. Tencent to be added in sources.

[S4-230532](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230532.zip) is **revised to [S4-230656](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230656.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230532.zip)656 | Draft WID for 5G Media Streaming Protocols Phase 2 | Qualcomm incorporated, Tencent, Orange, BBC, Sony Europe B.V. | Thomas Stockhammer |

**E-mail Discussion**:

|  |  |  |
| --- | --- | --- |
| [New WID -> Please check](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;df61fa6c.2304C&S=) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 15:19:58 +0000 |
| [Re: New WID -> Please check](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;4fbcfefe.2304C&S=) | Iraj Sodagar <irajs@LIVE.COM> | Wed, 19 Apr 2023 20:09:08 +0000 |
| [Re: New WID -> Please check](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;e754bcb4.2304C&S=) | Julien Lemotheux <julien.lemotheux@ORANGE.COM> | Thu, 20 Apr 2023 07:41:59 +0000 |
| [Re: New WID -> Please check](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;439ace8.2304C&S=) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Thu, 20 Apr 2023 12:37:49 +0000 |

**Presenter**: Thomas Stockhammer

**Online Discussion**: none

**Decision**: Goes to the plenary

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230532.zip)656 **goes to the plenary**.

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| [S4-230569](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230569.zip) | [5GMS\_Pro\_Ph2] Update Draft WID for 5G Media Streaming Protocols Phase 2 | Tencent Cloud | Iraj Sodagar |

**E-mail Discussion**: none

**Presenter**: Iraj Sodagar

**Online Discussion**:

* Thomas: Tracking % progress for each topic is okay. It is a little tricky. The work plan always addresses this right?
* Iraj: In current document, there is progress for complete work item, not for each topic
* Thomas: We are discussing in closing plenary on the completion
* Frederic: Prefer to leave to the rapporteur to see how he/she documents the progress.
* Iraj: Since they are many topics, maybe we have two rapporteurs?
* Frederic: Is it okay to revise this at the next meeting to include two rapporteurs?

**Decision**: Partially agreed. Only Tencent to be added as a source.

[S4-230569](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230569.zip) is **partially agreed**. Note that 3GU does not accept such status so the 3GU status is “**noted**” although parts of the document were agreed in the SWG.

## 8.11 Others including TEI

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-230485](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230485.zip) | Corrections to references | Dolby Laboratories Inc. | Frederic Gabin |

**E-mail Discussion**:

|  |  |  |
| --- | --- | --- |
| [[8.11 Others including TEI; 485; 20 April 1300 CEST] CR 26.117-0002 Corrections to references -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;7a0a39ee.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 05:54:40 +0000 |
| [Re: [8.11 Others including TEI; 485; 20 April 1300 CEST] CR 26.117-0002 Corrections to references -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;95ec5dc5.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 12:21:12 +0000 |

**Decision**: Agreed via emails.

[S4-230485](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230485.zip) is **agreed**.

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| [S4-230475](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230475.zip) | [FS\_5GMS\_EXT, TEI18] Proposal on 5GMS Service URL format and initiation of media session handling | BBC | Richard Bradbury |

**E-mail Discussion**:

|  |  |  |
| --- | --- | --- |
| [Re: [8.11 FS\_5GMS\_EXT & TEI18; 475, 575->681; 20 April 1300 CEST] DP and CR 26.804-0005 on 5GMS Service URL (Rel-18) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;186530e2.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 20 Apr 2023 13:43:54 +0100 |
| [[8.11 FS\_5GMS\_EXT & TEI18; 475, 575; 20 April 1300 CEST] DP and CR 26.804-0005 on 5GMS Service URL (Rel-18) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;5d65feb1.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 19 Apr 2023 05:54:44 +0000 |
| [Re: [8.11 FS\_5GMS\_EXT & TEI18; 475, 575; 20 April 1300 CEST] DP and CR 26.804-0005 on 5GMS Service URL (Rel-18) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ddd0b03a.2304C&S=) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 13:00:47 +0000 |
| [Re: [8.11 FS\_5GMS\_EXT & TEI18; 475, 575; 20 April 1300 CEST] DP and CR 26.804-0005 on 5GMS Service URL (Rel-18) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;ddb6d923.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 16:18:37 +0100 |
| [Re: [8.11 FS\_5GMS\_EXT & TEI18; 475, 575; 20 April 1300 CEST] DP and CR 26.804-0005 on 5GMS Service URL (Rel-18) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;b1f9a3bf.2304C&S=) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 19 Apr 2023 15:22:37 +0000 |
| [Re: [8.11 FS\_5GMS\_EXT & TEI18; 475, 575; 20 April 1300 CEST] DP and CR 26.804-0005 on 5GMS Service URL (Rel-18) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;cfbcc95a.2304C&S=) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 19 Apr 2023 17:51:49 +0100 |
| [Re: [8.11 FS\_5GMS\_EXT & TEI18; 475, 575; 20 April 1300 CEST] DP and CR 26.804-0005 on 5GMS Service URL (Rel-18) -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_MBS;98094ab8.2304C&S=) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 20 Apr 2023 12:23:13 +0000 |

**Decision**: Agreed via emails.

[S4-230475](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230475.zip) is **agreed**.

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| [S4-230476](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230476.zip) | [FS\_5GMS\_EXT, TEI18] 5GMS Service URL | BBC | Richard Bradbury |

**E-mail Discussion**: none

**Presenter**: Richard Bradbury

**Online Discussion**: none

**Decision**: Revised to 575.

[S4-230476](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230476.zip) is **revised to [S4-230575](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230575.zip)**.

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| [S4-230575](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230575.zip) | [FS\_5GMS\_EXT, TEI18] 5GMS Service URL | BBC | Richard Bradbury |

**E-mail Discussion**: See [S4-230475](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230475.zip).

**Decision**: 575r01 looks agreeable. Revised via emails and the revision will be agreed without presentation.

[S4-230575](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230575.zip) is **revised to [S4-230681](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230681.zip)**.

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| [S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230575.zip)681 | [FS\_5GMS\_EXT, TEI18] 5GMS Service URL | BBC | Richard Bradbury |

**E-mail Discussion**: See [S4-230475](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230475.zip)

**Decision**: Agreed via emails without presentation.

[S4-230](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230575.zip)681 is **agreed**.

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

|  |
| --- |
| 3GPP SA4 MBS SWG Telco (May 1, 2023, 16:00 – 18:00 CEST, Host Qualcomm) |

## 8.13 Any Other Business

### 8.13.1 Input documents

none

### 8.13.2 Report

The report will be made available in [S4-230733](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230733.zip)

### 8.13.3 Summary from Offline Discussions

See above

### 8.13.4 Output documents

## 8.14 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 24, 2023 at 16:30 (CEST).

## Annex A - Attendees

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TITLE** | **Family Name** | **Given Name** | **Employer Organization** | **PRESENCE** |
| Dr. | Ahsan | Saba | Nokia Corporation |  |
| Mr. | Ani Simi | Gokul Sani | ORS |  |
| Mr. | Aracena | Mauricio | Ericsson LM |  |
| Mr. | Bae | Jaehyeon | Samsung Electronics Co., Ltd |  |
| Mr. | Baek | Youngkyo | Samsung R&D Institute UK |  |
| Mr. | BASAIER | JIALADE | China Unicom |  |
| Mr. | Baskaran | Dhivagar | CEWiT |  |
| Dr. | Bouazizi | Imed | Qualcomm Incorporated | yes |
| Dr. | Bradbury | Richard | BBC | yes |
| Mrs. | Brekalo | Andrijana | ETSI |  |
| Dr. | Bruhn | Stefan | Dolby Sweden AB |  |
| Mr. | Burman | Bo | Ericsson LM |  |
| Dr. | Cetinkaya | Egemen | Verizon UK Ltd |  |
| Ms. | CHAKRABARTI | SAMITA | Verizon UK Ltd |  |
| Mr. | Chakraborty | Prasenjit | Samsung R&D Institute India |  |
| Mr. | Champel | Mary-Luc | Beijing Xiaomi Mobile Software |  |
| Dr. | Chan | Yee Sin | Meta Ireland |  |
| Dr. | CHAOUB | Abdelaali | Nokia France | yes |
| Ms. | Chen | Lijuan | ZTE Corporation |  |
| Dr. | Chen | Lulin | MediaTek Inc. |  |
| Mr. | Cheng | Sihan | vivo Mobile Communication Co., |  |
| Dr. | Chiba | Tsunehiko | VIAVI Solutions |  |
| Mr. | Choi | Hongjin | Samsung R&D Institute UK |  |
| Mr. | Choi | Hyung-Nam | Motorola Mobility UK Ltd. | yes |
| Miss | chong | vivian | VIVO TECH GmbH |  |
| Dr. | Curcio | Igor | Nokia Corporation |  |
| Mr. | Dawes | Peter | VODAFONE Group Plc |  |
| Mr. | Dawkins | Spencer | Tencent | yes |
| Mr. | De Bont | Frans | Philips International B.V. |  |
| Mr. | Diaz | Edward | Verizon UK Ltd |  |
| Mr. | Doehla | Stefan | Fraunhofer IIS | yes |
| Dr. | Dong | Hao | ZTE Corporation |  |
| Ms. | Dong | Xufei | CITC |  |
| Dr. | Ehara | Hiroyuki | Panasonic Holdings Corporation |  |
| Miss | Eitoku | Haruka | NTT corporation |  |
| Dr. | El Essaili | Ali | Ericsson GmbH, Eurolab |  |
| Mr. | Fontaine | Loic | InterDigital France R&D, SAS | yes |
| Ing. | Fotopoulou | Eleni | Fraunhofer IIS |  |
| Mr. | Gabin | Frederic | Dolby Laboratories Inc. | yes |
| Mr. | Gadhai | Shyam Vijay | IIT Kanpur |  |
| Mr. | Gao | Qian | China Unicom |  |
| Mr. | Gao | Shuai | China Unicom | yes |
| Mr. | Gao | Yuan | Huawei Technologies France |  |
| Mr. | Gestraud | Yann | Orange |  |
| Mr. | Gibellino | Diego | TELECOM ITALIA S.p.A. | yes |
| Mrs. | Godoy | Gabriela | SDI Squared |  |
| Miss | Gonzalez | Veronica | VODAFONE Group Plc |  |
| Mr. | Gudumasu | Srinivas | InterDigital Communications |  |
| Mr. | Gül | Serhan | Nokia Germany |  |
| Mr. | Gunkel | Simon | TNO |  |
| Mr. | Guo | Peipei | China Mobile Com. Corporation |  |
| Mr. | Guo | Yi | Intel Corporation (UK) Ltd |  |
| Dr. | Hamza | Ahmed | InterDigital Communications | yes |
| Dr. | Han | Jaemin | Intel Technology India Pvt Ltd |  |
| Dr. | Harada | Noboru | NTT |  |
| Mr. | Harper | Colby | Pivotal Commware |  |
| Dr. | He | Xuan (Shane) | Nokia Germany | Yes |
| Dr. | He | Yong | Qualcomm Incorporated |  |
| Mr. | Heikkilä | Gunnar | Ericsson LM | yes |
| Dr. | Holub | Jan | Mesaqin.com s.r.o (Ltd.) |  |
| Mr. | Homkar | Ajay | Cadence Design Systems Inc. |  |
| Mr. | Howells | Elfed | Huawei Technologies R&D UK |  |
| Dr. | Hu | James | AT&T GNS Belgium SPRL | yes |
| Miss | Hu | Xiaokun | HuaWei Technologies Co., Ltd |  |
| Mr. | Inoue | Yoshihiro | NTT |  |
| Mr. | Jansson Toftgård | Tomas | Ericsson LM |  |
| Dr. | Jelinek | Milan | VoiceAge Corporation |  |
| Dr. | Ji | Zhu | Meta USA |  |
| Mr. | Jin | James | vivo Mobile Communication Co., |  |
| Dr. | Jung | Kyunghun | Meta Ireland |  |
| Miss | Kedalagudde | Meghashree D | Intel Deutschland GmbH |  |
| Ms. | Kim | DongYeon | Samsung R&D Institute UK |  |
| Dr. | Kim | Hyesung | Samsung R&D Institute UK |  |
| Dr. | Kolan | Prakash | Samsung Research America | yes |
| Mr. | Kolekar | Abhijeet | Intel Corporation (UK) Ltd |  |
| Dr. | Kondrad | Lukasz | Nokia |  |
| Dr. | Kweon | Kisuk | Samsung Electronics Co., Ltd |  |
| Mr. | Kwon | WooSuk | LG Electronics Inc. | Yes |
| Mr. | Laaksonen | Lasse | Nokia Corporation |  |
| Mr. | Lair | Yannick | Nokia France |  |
| Dr. | Lee | Brian | Dolby Laboratories Inc. | yes |
| Mr. | Lee | Cheolung | Samsung R&D Institute UK |  |
| Dr. | Lee | Duckey | Samsung R&D Institute UK |  |
| Dr. | Lee | Hakju Ryan | Samsung R&D Institute UK | yes |
| Mr. | Lee | Jicheol | Samsung R&D Institute UK |  |
| Dr. | Lehtiniemi | Arto | Nokia Corporation |  |
| Dr. | Lei | Yixue | Tencent |  |
| Mr. | Lemotheux | Julien | Orange | yes |
| Mr. | Leung | Nikolai | Qualcomm CDMA Technologies |  |
| Ms. | Li | Chenyi | China Unicom |  |
| Mrs. | li | Jing | China Unicom |  |
| Ms. | LI | PEI | China Unicom |  |
| Miss | LI | QIUTING | ZTE Corporation |  |
| Mr. | Li | Zhendong | Nubia Technology Co.,Ltd |  |
| Mr. | Li | Zhijun | ZTE Corporation |  |
| Miss | Liang | Shuang | Nubia Technology Co.,Ltd |  |
| Dr. | Liangping | Ma | Qualcomm Austria RFFE GmbH | yes |
| Mr. | Libunao | Gerardo | Verizon UK Ltd |  |
| Mr. | Lim | Suhwan | Meta Ireland |  |
| Mr. | Lintervo | Arvi | Nokia Corporation |  |
| Dr. | Litwic | Lukasz | Ericsson LM |  |
| Ms. | Liu | Qing | China Telecommunications |  |
| Mr. | Lo | Charles | Qualcomm CDMA Technologies | yes |
| Dr. | Lohmar | Thorsten | Ericsson LM | yes |
| Ms. | Luan | Xiaoxu | Pengcheng laboratory |  |
| Mr. | Luetzenkirchen | Thomas | Intel Deutschland GmbH |  |
| Mr. | Lyu | Huazhang | vivo Mobile Communication Co., |  |
| Mr. | M Vamanan | Sudeep | Apple AB |  |
| Mr. | Ma | Ruitao | China Unicom |  |
| Mr. | MAO | Yuxin | Beijing Xiaomi Mobile Software |  |
| Mrs. | Martin-Cocher | Gaelle | InterDigital, Europe, Ltd. |  |
| Miss | Martinez Tarradell | Marta | Intel |  |
| Dr. | Moon | Sang-Jun | Samsung Electronics Co., Ltd |  |
| Dr. | Moriya | Takehiro | NTT |  |
| Mr. | Multrus | Markus | Fraunhofer IIS |  |
| Dr. | Mustapha | Mona | Apple France |  |
| Mr. | NAKAMURA | Kazuo | NICT |  |
| Mr. | Nangia | Vijay | Motorola Mobility UK Ltd. |  |
| Dr. | Ni | Hui | HUAWEI TECHNOLOGIES Co. Ltd. |  |
| Mr. | Norvell | Erik | Ericsson LM |  |
| Mr. | Oettl | Martin | Nokia Germany |  |
| Mr. | O'Leary | Edward | Rogers Communications Canada |  |
| Mr. | Onno | Stephane | InterDigital France R&D, SAS | yes |
| Mr. | Outters | Jan | ATEME |  |
| Dr. | Palat | Sudeep | Intel Corporation (UK) Ltd |  |
| Dr. | Pan | Qi | HUAWEI TECHNOLOGIES Co. Ltd. | yes |
| Dr. | Park | Jungshin | Samsung Electronics Co., Ltd |  |
| Mr. | Pihlajakuja | Tapani | Nokia Corporation |  |
| Mr. | Plante | Fabrice | Apple Italia S.R.L. |  |
| Mr. | Podborski | Dimitri | Apple AB |  |
| Mr. | Potetsianakis | Emmanouil | Beijing Xiaomi Mobile Software |  |
| Mr. | Pousi | Timo | Ericsson LM |  |
| Mr. | Pozo | Sergio | VODAFONE Group Plc |  |
| Mr. | Pudney | Chris | VODAFONE Group Plc |  |
| Mr. | Ragot | Stephane | Orange |  |
| Miss | Ramazanirend | Elmira | VODAFONE Group Plc | yes |
| Mr. | Rämö | Anssi | Nokia Corporation |  |
| Mr. | Reimes | Jan | HEAD acoustics GmbH |  |
| Mr. | Ren | Chi | China Unicom |  |
| Dr. | Rhyu | Sungryeul | Samsung Electronics Co., Ltd | yes |
| Dr. | Ridge | Justin | Nokia Corporation |  |
| Ms. | Romaguera | Cristina | VODAFONE Group Plc |  |
| Mr. | Ruan | Bangqiu | ZTE Corporation |  |
| Ms. | Sabater | Susana | VODAFONE Group Plc |  |
| Mr. | Sanchez de la Fuente | Yago | Fraunhofer HHI |  |
| Mr. | Schevciw | Andre | Qualcomm Technologies Int |  |
| Dr. | Shailendra | Samar | Intel Technology India Pvt Ltd |  |
| Mr. | Shan | Changhong | Intel Corporation (UK) Ltd |  |
| Ms. | Shan | Huaqi | China Mobile Com. Corporation |  |
| Mr. | Shi | Xiaoyan | Intel |  |
| Mr. | shimada | Kazuki | NTT |  |
| Mr. | Smith | David K. | AT&T GNS Belgium SPRL |  |
| Dr. | Sodagar | Iraj | Tencent | yes |
| Mr. | Son | Jangwoo | Fraunhofer HHI |  |
| Dr. | Song | Jaeyeon | Samsung Electronics Co., Ltd | yes |
| Mr. | Srikanth | Nagisetty | Panasonic Holdings Corporation |  |
| Mr. | Srinivasan | Suresh | Intel |  |
| Mr. | Steck | Chris | DTS Licensing Limited | yes |
| Mr. | Stegenborg-Andersen | Tore | FORCE Technology |  |
| Dr. | Stockhammer | Thomas | Qualcomm CDMA Technologies | yes |
| Dr. | Stoica | Razvan-Andrei | Motorola Mobility Germany GmbH | yes |
| Mr. | Stojanovski | Saso | Intel Deutschland GmbH |  |
| Dr. | Su | Huan-yu | HuaWei Technologies Co., Ltd |  |
| Dr. | Suh | Dongeun | Samsung R&D Institute UK |  |
| Dr. | Suh | Kyungjoo Grace | Samsung R&D Institute UK |  |
| Mr. | Sun | Mingrui | China Unicom |  |
| Ms. | Sun | Xiaowen | vivo Mobile Communication Co., |  |
| Mr. | sun | Zhao | HUAWEI TECHNOLOGIES Co. Ltd. |  |
| Dr. | Szczerba | Marek | Philips International B.V. |  |
| Mr. | Szucs | Paul | Sony Europe B.V. | yes |
| Dr. | Targali | Yousif | Verizon UK Ltd |  |
| Dr. | Tech | Gerhard | Fraunhofer HHI |  |
| Mr. | Teniou | Gilles | Tencent |  |
| Mr. | Thiebaut | Laurent | Nokia France |  |
| Mr. | Thomas | Emmanuel | Beijing Xiaomi Mobile Software | yes |
| Dr. | Tourapis | Alexandros | Apple GmbH |  |
| Mr. | Tsujikawa | Toru | NTT corporation |  |
| Mr. | Vaillancourt | Tommy | VoiceAge Corporation |  |
| Mr. | Varga | Imre | Qualcomm CDMA Technologies |  |
| Dr. | VENMANI | Daniel Philip | Nokia France | yes |
| Mr. | Wang | Bin | Beijing Xiaomi Mobile Software |  |
| Mr. | Wang | Dong | Guangdong OPPO Mobile Telecom. | yes |
| Ms. | Wang | Hui | vivo Communication Technology |  |
| Miss | Wang | Menghan | ZTE Corporation |  |
| Mr. | Wang | Wen | vivo Mobile Communication Co., |  |
| Dr. | Wang | Zhaoning | China Unicom |  |
| Ms. | WEI | QUN | China Unicom |  |
| Mr. | Wiehe | Ulrich | Nokia Shanghai Bell |  |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software |  |
| Mr. | Wu | Nien | Beijing Xiaomi Mobile Software |  |
| Miss | wu | Weizhi | IPLOOK |  |
| Mr. | Xie | Baoguo | ZTE Corporation |  |
| Mr. | Xing | TianQi | China Unicom |  |
| Mr. | Xiong | Chunshan | CICT |  |
| Miss | Xu | Jiayi | China Mobile Com. Corporation |  |
| Mr. | Xu | Song | China Mobile Com. Corporation |  |
| Miss | Yan | Xiaojian | ZTE Corporation |  |
| Dr. | Yang | Hyun-Koo | Samsung Electronics Co., Ltd |  |
| Dr. | Yao | Ge | China Unicom |  |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd |  |
| Ms. | Yi | Haofan | BJTU |  |
| Mrs. | Yin | Yujian | China Mobile Com. Corporation |  |
| Mr. | Yip | Eric | Samsung Electronics Co., Ltd | yes |
| Dr. | Yoon | Joonhee | LG Electronics Inc. | yes |
| Dr. | Yoon | Kangjin | Samsung R&D Institute UK |  |
| Mr. | You | Shilin | ZTE Corporation |  |
| Mr. | Yu | Hang | vivo Mobile Com. (Chongqing) |  |
| Dr. | Zhang | Amy | vivo Japan KK |  |
| Mr. | zhang | Dejun | Douyin |  |
| Mr. | Zhang | Yizhong | vivo Mobile Communication (S) |  |
| Dr. | ZHANG | Yu | ABS |  |
| Dr. | Zhang | Zhuoyun | Tencent |  |
| Miss | ZHAO | HUAN | China Unicom |  |
| Miss | zhao | Lu | China Mobile Com. Corporation |  |
| Dr. | Zhao | Shuai | Intel |  |
| Dr. | Zhou | Lei | New H3C Technologies Co., Ltd. |  |
| Miss | Zhou | Xingyue | ZTE Corporation |  |
| Mr. | Zhu | Jinguo | ZTE Corporation. |  |
| Dr. | Zia | Waqar | Apple Marketing Iberia | Yes |

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

|  |  |  |
| --- | --- | --- |
| A.I. # | A.I. Title | Tdoc # |
| 8 | Multicast-Broadcast-Streaming (MBS) SWG |  |
| 8.1 | Opening of the session |  |
| 8.2 | Registration of documents | Present document |
| 8.3 | Reports/Liaisons from other groups/meetings | EVEX:477 (SA6) -> draft reply in 483->683a481pp (SA) -> draft reply in 482pp, 662ppDP: 486n, 497aQoE:Inter-RAT HO : 460n (RAN2)RVQoE : 461 (RAN2) reply in 496->664->684a, 495n, 500neQoE for NR : 478n (SA5)Other LSs:EDGE: 628n (ITU-T)5MBS:Service Announcement: 454n (CT3)Security Arch.: 466n (SA3), 467n (SA3)Object acquisition: 578-> 695 (to CT4 cc. CT3) |
| 8.4 | Issues for immediate consideration |  |
| 8.5 | CRs to features in Release 17 and earlier | 26.531 (EVEX): 456->650a, 457->655a26.512 (5GMS3): 473a26.502 (5MBS): 474->685->732e, 505->686e, 506->687e26.517 (5MBP3): 503->658a, 507->688e, 548->659a, 535->731624 |
| 8.6 | SR\_MSE (Split Rendering Media Service Enabler) | 563, 594 |
| 8.7 | 5GMS\_Ph2 (5G Media Streaming Architecture Phase2) | 26.501:M3: 472->636aService URL Handling: 531->637->689e5GMS over 5MBS: 533->638elow latency live: 534->639, 566m (in 639)multiple manifests: 564->641484, 570 |
| 8.8 | FS\_SmarTAR (Feasibility Study on Smartly Tethering AR Glasses) | 26.806: 537a, 458n, 504->678a, 530a536 |
| 8.9 | FS\_MS\_NS\_Ph2 (Study on Media Streaming aspects of Network Slicing Phase 2) | 26.941: 599->679a, 600->680n597, 598 |
| 8.10 | New Work / New Work Items and Study Items | 532->656, 569pa |
| 8.11 | Others including TEI | 26.117: 485a5GMS Service URL: 475a, 476->575->681a |
| 8.12 | Review of the future work plan (next meeting dates, hosts) | Proposal: 11th May 1600-1800 (including a joint session with 5G-MAG) |
| 8.13 | Any Other Business |  |
| 8.14 | Close of the session |  |

# Annex C - SWG Tdoc status

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **SWG Agenda item** | **TDoc Status** | **Revised to** |
| **[S4-230475](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230475.zip)** | [FS\_5GMS\_EXT, TEI18] Proposal on 5GMS Service URL format and initiation of media session handling | BBC | 8.5 | **agreed** |  |
| **[S4-230497](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230497.zip)** | [EVEX] Discussion on EVEX extensions | Apple | 8.11 | **agreed** |  |
| **[S4-230530](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230530.zip)** | [FS\_SmarTAR] Key Issue #5: Compute distribution across UE and network for tethered glasses | Qualcomm incorporated | 8.8 | **agreed** |  |
| **[S4-230569](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230569.zip)** | [5GMS\_Pro\_Ph2] Update Draft WID for 5G Media Streaming Protocols Phase 2 | Tencent Cloud | 8.10 | **Note (partially agreed)** |  |
| [S4-230638](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230638.zip) | [5GMSA\_Ph2] 5GMS over 5MBS | Qualcomm Incorporated, BBC, Tencent, Ericsson | 8.7 | endorsed |  |
| [S4-230678](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230678.zip) | Clarification on non-5G delay measurement | Huawei, HiSilicon | 8.8 | agreed |  |
| [S4-230679](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230679.zip) | [FS\_MS\_NS\_Ph2] Candidate Solution for Key Issue #1: Service Provisioning | Samsung Research America | 8.9 | agreed |  |
| **[S4-230686](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230686.zip)** | [5MBUSA] Correction of Object Distribution Parameters | Ericsson LM | 8.5 | **endorsed** |  |
| **[S4-230687](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230687.zip)** | [5MBUSA] Correction of Nmb5 / Nmb10 notification events | Ericsson LM | 8.5 | **endorsed** |  |
| **[S4-230688](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230688.zip)** | [5MBP3] Correction of parameter usage for Byte Range Object Repair | Ericsson LM | 8.5 | **endorsed** |  |
| [S4-230689](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230689.zip) | [5GMS\_Ph2] Service URL Handling | Qualcomm Incorporated, BBC | 8.7 | endorsed |  |
| [S4-230732](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230732.zip) | [5MBUSA] Corrections to Object Distribution Method | BBC, Nokia Corporation | 8.5 | endorsed |  |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **MBS SWG agenda Item** | **SA4 agenda Item** | **TDoc Status** | **Revised to** |
| **[S4-230473](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230473.zip)** | [5GMS3] Rel-17 corrections | BBC | 8.5 | 13 | **agreed** |  |
| **[S4-230485](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230485.zip)** | Corrections to references | Dolby Laboratories Inc. | 8.11 | 14.13 | **agreed** |  |
| [S4-230636](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230636.zip) | [5GMS\_Ph2] 5GMS AS configuration via M3 | BBC | 8.7 | 14.10 | agreed |  |
| [S4-230650](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230650.zip) | [EVEX] Provisioning of Data Collection and Reporting Configuration | Qualcomm Incorporated, BBC, AT&T | 8.5 | 13 | agreed |  |
| [S4-230655](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230655.zip) | [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure | Qualcomm Incorporated, BBC, AT&T | 8.5 | 13 | agreed |  |
| [S4-230658](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230658.zip) | Correction on length of FSA ID | Huawei, HiSilicon | 8.5 | 13 | agreed |  |
| **[S4-230659](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230659.zip)** | [5MBP3] Manifest format for Object Collection and Carousel | Nokia Corporation, BBC | 8.5 | 13 | **agreed** |  |
| [S4-230681](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230681.zip) | [FS\_5GMS\_EXT, TEI18] 5GMS Service URL | BBC, Qualcomm Incorporated | 8.11 | 14.13 | agreed |  |
| [S4-230683](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230683.zip) | Reply LS on the reuse of EVEX as specified in TS 26.531 | BBC, Samsung, Huawei | 8.3 | 5.2 | agreed |  |
| [S4-230684](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230684.zip) | Reply LS on buffer level threshold-based RVQoE reporting | Apple | 8.3 | 5.2 | agreed |  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **MBS SWG Agenda Item** | **TDoc Status** | **Revised to** |
| **[S4-230454](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230454.zip)** | Reply LS on 5MBS User Services | CT3 | 8.3 | **noted** |  |
| **[S4-230456](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230456.zip)** | [EVEX] Provisioning of Data Collection and Reporting Configuration | Qualcomm Incorporated, BBC, AT&T | 8.5 | **revised** | **[S4-230650](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230650.zip)** |
| **[S4-230457](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230457.zip)** | [EVEX] Precedence Rules on Data Collection, Reporting and Event Exposure | Qualcomm Incorporated, BBC, AT&T | 8.5 | **revised** | **[S4-230655](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230655.zip)** |
| **[S4-230458](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230458.zip)** | [FS\_SmarTAR] RTP header extension for in-band delay measurement | Qualcomm Technologies Ireland | 8.8 | **noted** | **[S4-230730](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230730.zip)** |
| **[S4-230460](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230460.zip)** | LS on Continuity of QoE measurements during intra-5GC inter-RAT HO | RAN2 | 8.3 | **noted** |  |
| **[S4-230461](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230461.zip)** | LS on buffer level threshold-based RVQoE reporting | RAN2 | 8.3 | **replied to** |  |
| **[S4-230466](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230466.zip)** | Reply LS on Security architecture for 5G multicast/broadcast services | SA3 | 8.3 | **noted** |  |
| **[S4-230467](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230467.zip)** | Reply LS on the impact of MSK update on MBS multicast session update procedure | SA3 | 8.3 | **noted** |  |
| **[S4-230472](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230472.zip)** | [5GMS\_Ph2] 5GMS AS configuration via M3 | BBC | 8.7 | **revised** | **[S4-230636](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230636.zip)** |
| **[S4-230474](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230474.zip)** | [5MBUSA] Corrections to Object Distribution Method | BBC, Nokia Corporation | 8.5 | **revised** | **[S4-230685](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230685.zip)** |
| **[S4-230476](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230476.zip)** | [FS\_5GMS\_EXT, TEI18] 5GMS Service URL | BBC | 8.5 | **revised** | **[S4-230575](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230575.zip)** |
| **[S4-230477](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230477.zip)** | LS on the reuse of EVEX as specified in TS 26.531 | SA6 | 8.3 | **replied to** |  |
| **[S4-230478](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230478.zip)** | LS on Approval of eQoE CRs for NR | SA5 | 8.3 | **noted** |  |
| **[S4-230481](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230481.zip)** | Alignment of activities on UE data collection reporting and event exposure | TSG SA | 8.3 | **postponed** |  |
| **[S4-230482](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230482.zip)** | Reply LS on alignment of activities on UE data collection, reporting and event exposure | BBC | 8.3 | **postponed** |  |
| **[S4-230483](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230483.zip)** | Reply LS on the reuse of EVEX as specified in TS 26.531 | BBC | 8.3 | **revised** | **[S4-230683](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230683.zip)** |
| [S4-230484](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230484.zip) | [5GMS\_Ph2] Data collection for ANBR-based NA | Sony Europe B.V. | 8.7 | not treated |  |
| **[S4-230486](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230486.zip)** | On Alignment of EVEX-related Future Work among 3GPP TSGs | Qualcomm Incorporated | 8.3 | **noted** |  |
| **[S4-230495](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230495.zip)** | Discussion LS on buffer level threshold-based RVQoE reporting | Apple | 8.3 | **noted** |  |
| **[S4-230496](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230496.zip)** | Draft Reply LS on buffer level threshold-based RVQoE reporting | Apple | 8.3 | **revised** | **[S4-230664](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230664.zip)** |
| **[S4-230500](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230500.zip)** | Draft LS Reply on buffer level threshold-based RVQoE reporting | Huawei, HiSilicon | 8.3 | **noted** |  |
| **[S4-230503](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230503.zip)** | Correctino on length of FSA ID | Huawei, HiSilicon | 8.5 | **revised** | **[S4-230658](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230658.zip)** |
| **[S4-230504](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230504.zip)** | Clarification on non-5G delay measurement | Huawei, HiSilicon | 8.8 | **revised** | **[S4-230678](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230678.zip)** |
| **[S4-230505](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230505.zip)** | [5MBUSA] Correction of Object Distribution Parameters | Ericsson LM | 8.5 | **revised** | **[S4-230686](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230686.zip)** |
| **[S4-230506](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230506.zip)** | [5MBUSA] Correction of Nmb5 / Nmb10 notification events | Ericsson LM | 8.5 | **revised** | **[S4-230687](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230687.zip)** |
| **[S4-230507](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230507.zip)** | [5MBP3] Correction of parameter usage for Byte Range Object Repair | Ericsson LM | 8.5 | **revised** | **[S4-230688](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230688.zip)** |
| **[S4-230532](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230532.zip)** | Draft WID for 5G Media Streaming Protocols Phase 2 | Qualcomm incorporated, Tencent, Orange, BBC, Sony Europe B.V. | 8.10 | **revised** | **[S4-230656](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230656.zip)** |
| **[S4-230533](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230533.zip)** | [5GMSA\_Ph2] 5GMS over 5MBS | Qualcomm Incorporated, BBC, Tencent | 8.7 | **revised** | **[S4-230638](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230638.zip)** |
| **[S4-230534](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230534.zip)** | [5GMSA\_Ph2] End-to-end low latency live streaming | Qualcomm Incorporated, BBC, Tencent | 8.7 | **revised** | **[S4-230639](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230639.zip)** |
| **[S4-230535](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230535.zip)** | [5MBP3] General Updates and Corrections | Qualcomm incorporated | 8.7 | **revised** | **[S4-230731](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230731.zip)** |
| [S4-230536](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230536.zip) | [FS\_SmarTAR] Proposed Updated Work Plan | Qualcomm incorporated | 8.8 | not treated |  |
| **[S4-230537](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230537.zip)** | [FS\_SmarTAR] Editor's Proposed Update of TR 26.806 | Qualcomm incorporated | 8.8 | **revised** | **[S4-230734](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230734.zip)** |
| **[S4-230548](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230548.zip)** | [5MBP3] Manifest format for Object Collection and Carousel | Nokia Corporation, BBC | 8.5 | **revised** | **[S4-230659](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230659.zip)** |
| **[S4-230564](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230564.zip)** | [5GMS\_Ph2] Multiple-manifest: Improvements on the multiple manifest downlink streaming call flow | Tencent Cloud | 8.7 | **revised** | **[S4-230641](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230641.zip)** |
| **[S4-230566](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230566.zip)** | [5GMS\_Ph2] End-to-end low latency live streaming: adding editor’s note | Tencent Cloud | 8.7 | **merged** |  |
| **[S4-230575](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230575.zip)** | [FS\_5GMS\_EXT, TEI18] 5GMS Service URL | BBC | 8.5 | **revised** | **[S4-230681](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230681.zip)** |
| [S4-230597](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230597.zip) | Draft TR 26.941 v0.5.0 | Samsung Research America | 8.9 | not treated |  |
| [S4-230598](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230598.zip) | [FS\_MS\_NS\_Ph2] Proposed Updated Time and Work Plan | Samsung Research America | 8.9 | not treated |  |
| **[S4-230599](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230599.zip)** | [FS\_MS\_NS\_Ph2] Candidate Solution for Key Issue #1: Service Provisioning | Samsung Research America | 8.9 | **revised** | **[S4-230679](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230679.zip)** |
| **[S4-230600](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230600.zip)** | [FS\_MS\_NS\_Ph2] Key Issue #3: Moving media flows to other slices | Samsung Research America | 15.6 | **revised** | **[S4-230680](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230680.zip)** |
| [**S4-230624**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230624.zip)**[S4-230624](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230624.zip)** | Data Reporting Configuration Inclusion of Data Sampliing Rules and Data Reporting Rules | Qualcomm Incorporated | 8.5 | **not treated** |  |
| **[S4-230628](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230628.zip)[S4-230628](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_123-e/Docs/S4-230628.zip)** | LS on consent of new Recommendation ITU-T Y.3123 (ex.Y.IMT2020-CEFEC) “Framework of edge computing capability exposure for IMT-2020 networks and beyond” | ITU | 8.3 | **noted** |  |
| [S4-230637](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230637.zip)S4-230637 | [5GMS\_Ph2] Service URL Handling | Qualcomm Incorporated, BBC | 8.7 | revised | **[S4-230689](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230689.zip)[S4-230689](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1435174)** |
| [S4-230662](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230662.zip)S4-230662 | Reply LS on Alignment of activities on UE data collection reporting and event exposure | Qualcomm Incorporated | 8.3 | postponed |  |
| [S4-230664](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230664.zip)S4-230664 | Reply LS on buffer level threshold-based RVQoE reporting | Apple | 8.3 | revised | **[S4-230684](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230684.zip)[S4-230684](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1435158)** |
| [S4-230680](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230680.zip)S4-230680 | [FS\_MS\_NS\_Ph2] Key Issue #3: Moving media flows to other slices | Samsung Research America | 8.9 | noted |  |
| [S4-230685](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230685.zip)S4-230685 | [5MBUSA] Corrections to Object Distribution Method | BBC, Nokia Corporation | 8.5 | revised | **[S4-230732](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230732.zip)[S4-230732](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1435381)** |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **MBS SWG Agenda Item** | **TDoc Status** | **Revised to** |
| **[S4-230563](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230563.zip)** | [SR\_MSE] Adding high-level call flow and improving the edge processing | Tencent Cloud | 8.6 | **not concluded** | **[S4-230726](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230726.zip)** |
| [S4-230570](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230570.zip) | [5GMS\_Ph2] Update Workplan | Tencent Cloud | 8.7 | not treated |  |
| **[S4-230578](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230578.zip)** | LS on Object Acquisition Method | BBC | 8.3 | **not concluded** | **[S4-230695](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230695.zip)** |
| **[S4-230594](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230594.zip)** | [SR\_MSE] Network Procedures for Split Rendering | Qualcomm CDMA Technologies | 8.6 | **not concluded** |  |
| [S4-230639](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230639.zip) | [5GMSA\_Ph2] Feature description and dynamic policies for low-latency media streaming | Qualcomm Incorporated, BBC, Tencent | 8.7 | reserved |  |
| [S4-230641](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230641.zip) | [5GMS\_Ph2] Multiple-manifest: Improvements on the multiple manifest downlink streaming call flow | Tencent Cloud | 8.7 | reserved |  |
| [S4-230656](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230656.zip) | Draft WID for 5G Media Streaming Protocols Phase 2 | Qualcomm incorporated, Tencent, Orange, BBC, Sony Europe B.V. | 8.10 | reserved |  |
| [S4-230731](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_123-e/Docs/S4-230731.zip) | [5MBP3] General Updates and Corrections | Qualcomm incorporated | 8.5 | reserved |  |

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