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

**Title: Report from MBS SWG during SA4#125**

**Document for: Approval**

**Agenda item: 12.2**

MBS SWG Minutes during SA4#125

## 8.1 Opening of the session

Mr. Frédéric Gabin (Dolby, Chairman of MBS SWG) opens the sessions on 21 August 2023 at 16:00 (local time Gothenburg).

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

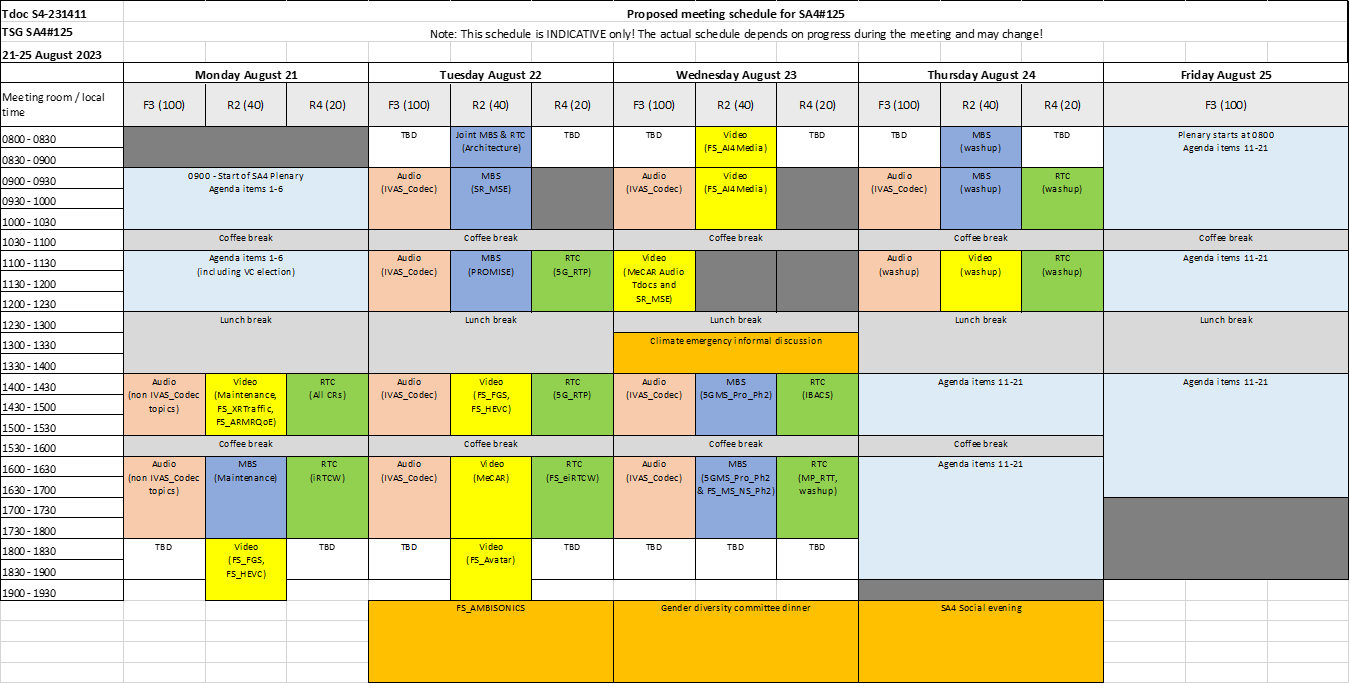
The minutes are shared.

The attendance is tracked [here](#bxrguoa2ijzi).

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

* https://list.etsi.org/scripts/wa.exe?A1=ind2308C&L=3GPP\_TSG\_SA\_WG4\_MBS
* https://list.etsi.org/scripts/wa.exe?A1=ind2308D&L=3GPP\_TSG\_SA\_WG4\_MBS

**SA4 Schedule:**



The agenda and the registration of documents are agreed.

## 8.2 Registration of documents

|  |  |  |  |
| --- | --- | --- | --- |
| TDoc | Title | Source | Agenda item |
| [S4-231138](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231138.zip) | LS on Security Context Transfer between MBSF and MBSTF | CT4 | 5.2 |
| [S4-231139](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231139.zip) | LS on area scope for QoE measurements | RAN2 | 5.2 |
| [S4-231141](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231141.zip) | LS on QoE measurement collection for application sessions delivered via MBS broadcast or multicast | RAN3 | 5.2 |
| [S4-231145](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231145.zip) | Reply LS on management of AS by AF | SA2 | 5.2 |
| [S4-231360](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231360.zip) | Proposed Reply LS on Security Context Transfer between MBSF and MBSTF | Ericsson GmbH, Eurolab | 5.2 |
| [S4-231407](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231407.zip) | Reply LS on Security Context Transfer between MBSF and MBSTF | SA3 | 5.2 |
| [S4-231276](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231276.zip) | Discussion on QMC for application sessions delivered via MBS broadcast or multicast | Huawei, HiSilicon | 8.3 |
| [S4-231195](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231195.zip) | Principle Alignment of Media Functions and Protocols for 5GMS and RTC | Qualcomm Incorporated | 8.4 |
| [S4-231196](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231196.zip) | 5GMS Functions are general Media Functions | Qualcomm Incorporated | 8.4 |
| [S4-231197](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231197.zip) | RTC Functions are general Media Functions | Qualcomm Incorporated | 8.4 |
| [S4-231198](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231198.zip) | Draft TS 26.51x: Object- and packet-based media delivery; protocols and APIs for media session handling | Qualcomm Incorporated | 8.4 |
| [S4-231199](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231199.zip) | Draft TS 26.51y: Object- and packet-based media delivery; protocols and APIs for media access | Qualcomm Incorporated | 8.4 |
| [S4-231200](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231200.zip) | New Draft WID: Object- and packet-based media delivery: General Features, Real-time Communication and Alignment with Streaming (OPAMEDIA) | Qualcomm Incorporated | 8.4 |
| [S4-231201](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231201.zip) | Updates to WID for 5G Media Streaming Protocols Phase 2 | Qualcomm Incorporated | 8.4 |
| [S4-231202](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231202.zip) | Draft Permanent Document: Commonalities and Differences between TS 26.501 and TS 26.506 | Qualcomm Incorporated | 8.4 |
| [S4-231203](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231203.zip) | Proposed Work Plan for Object- and packet-based media delivery: General Features, Real-time Communication and Alignment with Streaming (OPAMEDIA) | Qualcomm Incorporated | 8.4 |
| [S4-231315](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231315.zip) | [ARCH] Gap analysis on AS related interfaces between 5GMS and RTC | NTT | 8.4 |
| [S4-231279](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231279.zip) | Draft LS Reply on area scope for QoE measurements | Huawei, HiSilicon | 8.3 |
| [S4-231132](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231132.zip) | CR to 26.501-0072 on Stage 2 alignment (Rel-17) | Dolby Laboratories Inc. | 8.5 |
| [S4-231154](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231154.zip) | [EVEX] Event exposure | BBC | 8.5 |
| [S4-231155](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231155.zip) | [EVEX] Event exposure | BBC | 8.5 |
| [S4-231156](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231156.zip) | [5GMS3, TEI17] Essential maintenance | BBC | 8.5 |
| [S4-231157](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231157.zip) | [5GMS3] Essential maintenance | BBC | 8.5 |
| [S4-231158](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231158.zip) | [5GMS3] Essential maintenance | BBC | 8.5 |
| [S4-231159](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231159.zip) | [5MBUSA] Essential clarifications and corrections | BBC | 8.5 |
| [S4-231160](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231160.zip) | [5MBP3] API for unicast retrieval of MBS User Service Announcement | BBC | 8.5 |
| [S4-231179](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231179.zip) | [EVEX] Event exposure APIs | BBC | 8.5 |
| [S4-231205](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip) | Removal of HTTPList from 3GPP Metrics | Qualcomm Incorporated | 8.5 |
| [S4-231206](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231206.zip) | Removal of HTTPList from 3GPP Metrics | Qualcomm Incorporated | 8.5 |
| [S4-231254](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231254.zip) | [5MBP3] General Updates and Corrections | Qualcomm Incorporated, BBC, Ericsson | 8.5 |
| [S4-231316](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231316.zip) | [5GMSA, TEI17] Clarifications to Network Assistance feature | Nokia, BBC | 8.5 |
| [S4-231317](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231317.zip) | [5GMSA] Clarifications to Network Assistance feature | Nokia, BBC | 8.5 |
| [S4-231357](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231357.zip) | [5GMS\_EDGE\_3] Correction of EAS Discovery | Ericsson LM | 8.5 |
| [S4-231358](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231358.zip) | [MBUSA] Correction of Service Area mapping | Ericsson LM | 8.5 |
| [S4-231362](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231362.zip) | [5GMS, TEI17] Content hosting editorial correction | Tencent | 8.5 |
| [S4-231394](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231394.zip) | [5MBP3] General Updates and Corrections | Qualcomm Incorporated, BBC, Ericsson | 8.5 |
| [S4-231190](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231190.zip) | [SR\_MSE] Transport protocols | Qualcomm CDMA Technologies | 8.6 |
| [S4-231191](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231191.zip) | [SR\_MSE] Output description format | Qualcomm CDMA Technologies | 8.6 |
| [S4-231192](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231192.zip) | [SR\_MSE] Prerequisites for SR | Qualcomm CDMA Technologies | 8.6 |
| [S4-231193](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231193.zip) | [SR\_MSE] Rendering optimization | Qualcomm CDMA Technologies | 8.6 |
| [S4-231207](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231207.zip) | [SR\_MSE] Updates to Media Capabilities | Qualcomm Incorporated | 8.6 |
| [S4-231324](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231324.zip) | Split rendering Metrices | Nokia Hungary | 8.6 |
| [S4-231325](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231325.zip) | Editorial corrections on SR MSE architectures | Nokia Hungary | 8.6 |
| [S4-231326](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231326.zip) | Discussion on the use of RTC-interface based architecture in SA4 documents | Nokia Hungary | 8.6 |
| [S4-231328](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231328.zip) | RTC interfaces on SR MSE architectures | Nokia Hungary | 8.6 |
| [S4-231373](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231373.zip) | [SR\_MSE] Split-rendering session relocation | Nokia | 8.6 |
| [S4-231382](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231382.zip) | [SR\_MSE] Split-rendering session relocation | Nokia | 8.6 |
| [S4-231129](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231129.zip) | CR 26.140-0021 Updates to codecs and formats (Rel-18) | Dolby Laboratories Inc. | 8.7 |
| [S4-231130](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231130.zip) | CR 26.141-0008 Updates to codecs and formats (Rel-18) | Dolby Laboratories Inc. | 8.7 |
| [S4-231131](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231131.zip) | Draft TS 26.143 Messaging Media profiles v0.0.2 | Dolby Laboratories Inc. | 8.7 |
| [S4-231183](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231183.zip) | [PROMISE] On support for 3D formats in messaging | Qualcomm CDMA Technologies | 8.7 |
| [S4-231184](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231184.zip) | CR on Support for 3D formats in messaging | Qualcomm CDMA Technologies | 8.7 |
| [S4-231213](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231213.zip) | [PROMISE] General Comments on Media Capabilities | Qualcomm Incorporated | 8.7 |
| [S4-231339](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231339.zip) | CR 26.140-0021Rev1 Updates to codecs and formats (Rel-18) | Dolby Laboratories Inc. | 8.7 |
| [S4-231341](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231341.zip) | [PROMISE] Work Plan | Dolby Laboratories Inc. | 8.7 |
| [S4-231161](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231161.zip) | [5GMS\_Pro\_Ph2] API changes to support 3GPP Service URL | BBC | 8.8 |
| [S4-231162](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231162.zip) | [5GMS\_Pro\_Ph2] Event exposure APIs | BBC | 8.8 |
| [S4-231169](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231169.zip) | [5GMS\_Pro\_Ph2] ANBR-based network assistance data reporting | Sony Europe B.V. | 8.8 |
| [S4-231170](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231170.zip) | [5GMS\_Pro\_Ph2] ANBR-based network assistance data reporting | Sony Europe B.V. | 8.8 |
| [S4-231194](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231194.zip) | CR on Background Data Transfer in 5GMS | Qualcomm CDMA Technologies | 8.8 |
| [S4-231208](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231208.zip) | [5GMS\_Pro\_Ph2] Updated Work Plan | Qualcomm Incorporated | 8.8 |
| [S4-231209](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231209.zip) | [5GMS\_Pro\_Ph2] Service URL Handling | Qualcomm Incorporated | 8.8 |
| [S4-231210](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231210.zip) | [5GMS\_Pro\_Ph2] Low-Latency Streaming and Dynamic Policies | Qualcomm Incorporated | 8.8 |
| [S4-231211](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231211.zip) | [5GMS\_Pro\_Ph2] 5GMS over MBS and 5GMS hybrid services | Qualcomm Incorporated | 8.8 |
| [S4-231212](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231212.zip) | [5GMS\_Pro\_Ph2] Multiple media service entry points | Qualcomm Incorporated | 8.8 |
| [S4-231243](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231243.zip) | [5GMS\_Pro\_Ph2] Uplink Streaming: content publishing and egest | Tencent Cloud | 8.8 |
| [S4-231248](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231248.zip) | [5GMS\_Pro\_Ph2] Add HTTP-3 as allowed protocol in 26.512 | Tencent | 8.8 |
| [S4-231255](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231255.zip) | [5GMS\_Pro\_Ph2] Multiple Service Entry & Uplink streaming: media entry point | Tencent Cloud | 8.8 |
| [S4-231359](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231359.zip) | [5GMS\_Pro\_Ph2] Traffic Identification | Ericsson LM | 8.8 |
| [S4-231264](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231264.zip) | [FS\_MS\_NS\_Ph2] Key Issue on Bootstrapping Application Invocation on a Network Slice | Samsung Nanjing | 8.9 |
| [S4-231265](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231265.zip) | [FS\_MS\_NS\_Ph2] Collaboration Options and Network Slicing Scenarios | Samsung Nanjing | 8.9 |
| [S4-231267](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231267.zip) | [FS\_MS\_NS\_Ph2] Draft TR 26.941 v0.6.0 | Samsung Nanjing | 8.9 |
| [S4-231268](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231268.zip) | [FS\_MS\_NS\_Ph2] Proposed Updated Time and Work Plan | Samsung Nanjing | 8.9 |
| [S4-231151](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231151.zip) | [5GMS\_Ph2] Additional baseline parameter for 3GPP Service URL | BBC | 8.10 |
| [S4-231152](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231152.zip) | [5GMS\_Ph2] Update to 5GMS+MBS architecture | BBC | 8.10 |
| [S4-231153](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231153.zip) | [5GMS\_Ph2] Event exposure | BBC | 8.10 |
| [S4-231167](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231167.zip) | [TEI18, ADAE, EVEX] UE Application instructing DDCC for immediate data report delivery | Samsung | 8.10 |
| [S4-231168](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231168.zip) | [TEI18, ADAE, EVEX] UE Application instructing DDCC for immediate data report delivery | Samsung | 8.10 |
| [S4-231302](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231302.zip) | Discussion Threshold event based RVQoE | Apple | 8.10 |
| [S4-231303](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231303.zip) | Threshold event based RVQoE | Apple | 8.10 |
| [S4-231304](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231304.zip) | draft Reply LS on buffer level threshold-based RVQoE reporting | Apple | 8.10 |
| [S4-231314](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231314.zip) | [5GMS\_Ph2] Clarifications to Network Assistance feature | Nokia, BBC | 8.10 |
| [S4-231204](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231204.zip) | Some Potential Future Topics for Media Delivery | Qualcomm Incorporated | 8.11 |

## 8.3 Reports/Liaisons from other groups/meetings

### 8.3.1 Incoming LSs

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231138](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231138.zip) | LS on Security Context Transfer between MBSF and MBSTF | CT4 | Dongwook Kim |

**Presenter**: Thorsten Lohmar

**Online Discussion**:

* Thorsten: CT4 wants to clean the specification. We have a proposed reply in 1360.

**Decision**: Replied into 1360.

[S4-231138](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231138.zip) is **replied into** [**S4-231360**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231360.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231139](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231139.zip) | LS on area scope for QoE measurements | RAN2 | Dongwook Kim |

**Presenter**: Qi Pan

**Online Discussion**:

* Qi: I have a proposed a reply LS for this in 1279.

**Decision**: Replied into 1279.

[S4-231139](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231139.zip) is **replied into** [**S4-231279**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231279.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231141](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231141.zip) | LS on QoE measurement collection for application sessions delivered via MBS broadcast or multicast | RAN3 | Dongwook Kim |

**Presenter**: Qi Pan

**Online Discussion**:

* Comments addressed in the discussion paper provided by Qi.

**Decision**: Will be replied.

[S4-231141](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231141.zip) is **replied into** [**S4-231491**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231491.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231145](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231145.zip) | Reply LS on management of AS by AF | SA2 | Dongwook Kim |

**Presenter**: Richard Bradbury

**Online Discussion**:

* No comments.

**Decision**: Noted.

[S4-231145](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231145.zip) is **noted**.

### 8.3.2 Proposed Responses

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231360](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231360.zip) | Proposed Reply LS on Security Context Transfer between MBSF and MBSTF | Ericsson GmbH, Eurolab | Thorsten Lohmar |

**Presenter**: Thorsten Lohmar

**Online Discussion**:

* Frederic: I don’t think the answer to response 3 is clear. I think we should say no, and there is a typo.
* Richard: We already sent a liaison. We could reference it.

**Decision**: Revised.

[S4-231360](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231360.zip) is **revised to** [**S4-231485**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231485.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231360.zip)485 | Proposed Reply LS on Security Context Transfer between MBSF and MBSTF | Ericsson GmbH, Eurolab | Thorsten Lohmar |

**Presenter**: Thorsten Lohmar

**Online Discussion**:

* No comments

**Decision**: Agreed. Goes to the plenary.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231360.zip)485 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-2314](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231407.zip)91 | Reply LS on QoE measurement collection for application sessions delivered via MBS broadcast or multicast | Huawei, HiSilicon | Qi Pan |

[S4-2314](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231407.zip)91 **goes to the plenary**.

## 8.4 Issues for immediate consideration

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231195**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231195.zip) | Principle Alignment of Media Functions and Protocols for 5GMS and RTC | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Stéphane: We already separated the control plane and the user plane for communication service. And the control plane is managed by CT. It is hard to understand, this is basic practice.
  + Thomas: I do not want to touch anything related to IMS.
  + Richard: It is misleading to talk about control and user plane. We are talking about session handling, media transport in the user plane. They are both user plane with respect to 5G. Generally, this is a nice thing to do. Concern is do we have time to do it given Rel-18 timelines. We have a lot of stage-3 CRs. Two meeting cycles for this work in two meeting cycles is ambitious.
  + Saba: Have some confusion. If we are creating two specifications, where does 26.113 go? Agree it is too ambitious. Should we try to have common functions, and refer from individual specifications. I’d like to understand where we are going with this.
  + Ryan: 26.113 will focus on conformance and protocol stack. Here we intend to discuss interface and APIs. It will be different.
    - Saba: So, all the SDP handling will be referred to 26.113?
    - Ryan: 113 will describe protocols and APIs.
    - Fred: RTP is in M4. So, how can it be defined in M4 spec and 113?
  + Thomas: Never understand what iRTCW is about. I don't understand what 113 is about. People who think 113 is valuable should check. It can remain existing with its scope, referencing the new specs. I believe the term service is a bit misleading. It can refer to streaming, real time aspects. The session handling is applicable generally across all aspects.
  + Ryan: I am supportive of the proposal. Question is, people who want to implement 5GMS which specification they need to use?
    - Thomas: 512
  + Yoshihiro: I think common part should be described in these two new specs, and others should be specified in 113 and 512. New specs include all the interfaces as clause level and can refer these documents for the protocol which is not common.
  + Frederic: The separation of the specifications is due to our organisation with 2 different SWG. To solve this a joint WG seems relevant.
  + Thorsten: Agree with Richard. I am concerned about the timeline. Even if we have knowledge which pieces go where, it will still be challenging. I do not think we know all the pieces… when we talk about session handling, are we talking about media session handling or RTP session etc…
    - Thomas: This is completely irrelevant to this proposal. Mixing up 26.506 has nothing to do with this. We can create a permanent document if there is a concern.
    - Thorsten: It could make sense to look closely into Table 1. Before we start, we should look into where goes what.
  + Stephane: iRTCW scope should be clear to everybody. IMS is a real service.
  + Iraj: Templates for 51x and 51y is a good start. I think the challenge we have is we need to talk about what is feasible to do. We have two meetings. One way to do it, maybe, we do 506, and start this work in Rel-19. We can start filling gaps here and see how it goes.
  + Thomas: We don't have two meeting cycles, we have four meeting cycles.
  + Fred: We have two meeting cycles.
  + Thomas: Why don't we start porting 512?
  + Iraj: Support for doing this in parallel. Look into both 506 and 512 for some time.
  + Imed: We extend the user plane control plane here. If something needs to interact with 5G functions, it is the control plane. It is a clear separation. We can argue on what to put in 51x and what to put in 51y. That part is not clear. On iRTCW, there is good value in iRTCW, how do we setup WebRTC e.g., can be looked at there. There was also a fallback to put the control plane in 113, or otherwise in 51x and 51y.
  + Thomas: I don't have a problem against 113, but the objectives are not obvious.
  + Saba: 26.113 needs to be considered here. It should be clear to everyone that we are doing 113, not just 512.
  + Thomas: I have a problem with 113 at this time. We came to the conclusion that stage-2 was completed in the last meeting, and now we have an agreed work item for stage-3. It is miscommunication from the RTC group that 113 is stage-3.
  + Frederic: Agree with Thomas. At the moment, there is no stage-3 that works with 506.
  + Richard: Agree with Imed, that we are the user plane for 5G.
  + Stephane: For this document, what are you trying to achieve exactly if you are comparing the three streams in table 1?
    - Thomas: At the end of last meeting, we had a baseline agreement of the way forward. The difference between streaming, real time services is blurring. The functions in the table are candidates that can be looked into.
  + Ryan: iRTCW was not meant to be stage-3.
  + Imed: We started with WebRTC. We reverse engineered 506. One of the reasons we are doing this is, we see common functionality between different streams. Makes sense to do this here.
  + Fred: Is 113 stage-3 for GA4RTAR?
  + Nick: This was not the original plan.
  + Thorsten: I really like the table, it shows some things. This is exactly what we need: what is real time communication. If we only use one way, is it a different technology?
    - Thomas: This is the status. Happy to look into table. What needs to be done in Re-18 is clear.
    - Thorsten: It is not clear to me what is going into these two specifications.
    - Thomas: This is an exercise at this point. If you disagree with the contents in table 1, we need to fix 506 first.
  + Yoshihiro: We have a paper for gap analysis. That may be relevant here.
  + Thomas: Table 1 is not holy grail analysis. Some of them are specific, some of them are not discussed yet.
  + Frederic: If we sum up:
    - 5GMS (service/use case):
      * Stage 2: 26.501
      * Stage 3: 26.511 → 26.117, 26.116, 26.118; and 26.512 → 26.51x (session handling) and 26.51y (Media delivery).
    - RTC (service/use case):
      * Stage 2: 26.506
      * Stage 3: 26.113 → 26.51x and 26.51y (and MTSI)
  + Imed: If we want to do this, we may cancel 113.
  + Richard: It is the case or prioritisation here.
  + Thomas: I still believe 113 is an empty spec more or less.
  + Thorsten: There is SWAP in 113. It is about session handling. It is unclear to me.
  + Thomas: Somebody needs to document what goes into M4, M5 etc. Somebody needs to make stage-3 113.
  + Thorsten:
  + Fred: It is difficult to deprecate 512 even if you want to go into 51x and 51y.
  + Nick: With respect to RTC, we need to get stage-3 for 506.
* Frederic: The ambition seems to be agreeable by the group. The issue in the path. One way forward could be to reduce dependency between RTC and MBS. My issue on the timeline. We could do this in MBS and ask RTC to do their stage 3. But Thomas says no.
  + Thomas: I confirm, I don’t know why people are too afraid to do this work.
  + Nick: One of the challenges in RTC is to understand 5GMS.
  + Richard: Agree with Thomas. Let's do the hard work first. We need to see what we sacrifice to do this.
* Thomas: Another option, not supportive of, but see if we have one 51x for all session handling, but independent media handling for these two streams.
* Thomas: Let’s have an offline during lunch break.
* r04 version presented.
* Thorsten: Can you elaborate on the way of working?
  + Thomas: Richard will be editor on the new specification TS 26.51x managed by MBS. It will be put in the new work item. We will list bugs in the Permanent Document. And we will do CR on 113.
* Thorsten: What is the timeline?
  + Thomas: The plan is Rel-18. It should be prioritised.
* Saba: About the title of the specification, isn’t it better to use “5G”?
  + Thomas: It is recommended to use 5G in the title of specifications.

**Decision**: r04 is agreed.

[S4-231195](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231195.zip) is **revised to** [**S4-231498**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231498.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231195.zip)**498** | Principle Alignment of Media Functions and Protocols for 5GMS and RTC | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231195.zip)498 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231196**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231196.zip) | 5GMS Functions are general Media Functions | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Postponed (See 1195)

[S4-231196](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231196.zip) is **postponed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231197**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231197.zip) | RTC Functions are general Media Functions | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Postponed (See 1195)

[S4-231197](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231197.zip) is **postponed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231198**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231198.zip) | Draft TS 26.51x: Object- and packet-based media delivery; protocols and APIs for media session handling | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Richard Bradbury

**Online Discussion**:

* r01 version presented.
* Thorsten: It is a good structure. I think clause 5 seems like a stage 2 thing. It is more about API.
  + Richard: Yes, I can call it interaction.
* Thorsten: About M6, M10 APIs, maybe we should not go in a detailed API specification and leave it at a concept level.
  + Richard: Would you say the level in 512 is too far?
  + Thorsten: No. But M6 and M10 don’t have to be detailed like M3 and M5.
* Yoshihiro: M10 is confusing.
  + Richard: Yes, we can remove it in the brackets on the titles.

**Decision**: Revised to 1500. M10 will be removed.

[S4-231198](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231198.zip) is **revised to** [**S4-231500**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231500.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231199**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231199.zip) | Draft TS 26.51y: Object- and packet-based media delivery; protocols and APIs for media access | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Noted (See 1195).

[S4-231199](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231199.zip) is **noted**.

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231200**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231200.zip) | New Draft WID: Object- and packet-based media delivery: General Features, Real-time Communication and Alignment with Streaming (OPAMEDIA) | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

**Decision**: Noted (See 1195)

[S4-231200](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231200.zip) is **noted**.

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231201**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231201.zip) | Updates to WID for 5G Media Streaming Protocols Phase 2 | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* r01 version presented.
* Frederic: “Procedures” will be replaced by “Interactions”, right?
  + Thomas: Yes and the second Note has to be removed. And Samsung will be added in supporters.

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

[S4-231201](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231201.zip) is **revised to** [**S4-231501**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231501.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231501**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231501.zip) | Updates to WID for 5G Media Streaming Protocols Phase 2 | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Agreed without presentation.

[S4-231501](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231501.zip) is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231202**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231202.zip) | Draft Permanent Document: Commonalities and Differences between TS 26.501 and TS 26.506 | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* r01 version presented.
* Frederic: Is it under both work item?
  + Thomas: Yes. Maybe we will need co-rapporteurs with Ryan.
* Yoshihiro: I have comments on background. Should I make comments here or later?
  + Thomas/Fred: We can modify the description later. Should make comments in the next telco.
* Shane: About AF terminology, similar means it is an AF or not?
  + Richard: Maybe the reference to 501 can be put in a Note.
  + Thomas: I will fix it later.

**Decision**: r01 is agreed as a basis for further work.

[S4-231202](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231202.zip) is **revised to** [**S4-231502**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231502.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231502**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231502.zip) | Draft Permanent Document: Commonalities and Differences between TS 26.501 and TS 26.506 | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Agreed as a basis for further work.

[S4-231502](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231502.zip) is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231203**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231203.zip) | Proposed Work Plan for Object- and packet-based media delivery: General Features, Real-time Communication and Alignment with Streaming (OPAMEDIA) | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Noted (See 1195)

[S4-231203](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231203.zip) is **noted**.

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4-231315**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231315.zip) | [ARCH] Gap analysis on AS related interfaces between 5GMS and RTC | NTT | Yoshihiro Inoue |

**Presenter**: Yoshihiro Inoue

**Online Discussion**:

* No comments.

**Decision**: Agreed.

[S4-231315](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231315.zip) is **agreed**.

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

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231276](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231276.zip) | Discussion on QMC for application sessions delivered via MBS broadcast or multicast | Huawei, HiSilicon | Qi Pan |

**Presenter**: Qi Pan

**Online Discussion**:

* Richard: I agree. It seems logical to me.
* Thorsten: We have the object metrics, this is the most we can provide.
* Thomas: We have a legacy with MBMS. But we haven’t done any of the work here yet. But I would be against calling QoE metrics.

**Decision**: Agreed. A response will be prepared by Qi.

[S4-231276](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231276.zip) is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231279](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231279.zip) | Draft LS Reply on area scope for QoE measurements | Huawei, HiSilicon | Qi Pan |

**Presenter**: Qi Pan

**Online Discussion**:

* r1 version presented.
* No comments.

**Decision**: Revised according to r1. The revision will be agreed without presentation.

[S4-231279](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231279.zip) is **revised to** [**S4-231490**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231490.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231132](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231132.zip) | CR to 26.501-0072 on Stage 2 alignment (Rel-17) | Dolby Laboratories Inc. | Frederic Gabin |

**E-mail Discussion**:

|  |  |  |
| --- | --- | --- |
| [S4-231132](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231132.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Fri, 18 Aug 2023 16:18:57 +0100 |

**Presenter**: Frederic Gabin

**Online Discussion**:

* Richard: There is another misalignment with MQTT.
* Richard: It is release 17 and will be mirrored in release 16, we have to discuss release 18 about the nominal period.
  + Frederic: Shall we differ release 18 on a different CR? Probably.
* Frederic: Are there any conflicts with any other docs?
  + Richard: Yes, 1316.

**Decision**: Merged into the revision of 1317. We will need to have the Release 16 version. The mirror will be agreed without presentation.

[S4-231132](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231132.zip) is **merged into a revision of 1317**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231155](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231155.zip) | [EVEX] Event exposure | BBC | Richard Bradbury |

**Presenter**: Richard Bradbury

**Online Discussion**:

* No comments

**Decision**: Endorsed, pending CT3 agreement.

[S4-231155](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231155.zip) is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231156](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231156.zip) | [5GMS3, TEI17] Essential maintenance | BBC | Richard Bradbury |

**Presenter**: Richard Bradbury

**Online Discussion**:

* Ericsson version presented.
* Thorsten: In bullet B, I commented to indicate we must change the name.
* Qi: In clause 16.3, in the last part, where are the notifications coming from.
  + Richard: From the PCF. This text is a copy of one of the previous clause.
  + Qi: Why only the three notifications. There are lot of notifications from PCF.
  + Richard: This is mirror text from existing text in 16.2. Do not know why we included only those three in first place in 16.2.

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

[S4-231156](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231156.zip) is **revised to** [**S4-231424**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231424.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231156.zip)424 | [5GMS3, TEI17] Essential maintenance | BBC | Richard Bradbury |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231156.zip)424 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231158](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231158.zip) | [5GMS3] Essential maintenance | BBC | Richard Bradbury |

**Presenter**: Richard Bradbury

**Online Discussion**:

* Thorsten: I commented in 1156. I withdrew my comment about removing the APP Id and AF Id from the policy resource.
* Thorsten: We need to be more careful in clause 16.3, bullet B. AsSessionWithQoS is only defined in 29.522.
  + Richard: I agree with Thorsten. We have to use the good API name.
  + Thorsten: Maybe we can add a note.

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

[S4-231158](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231158.zip) is **revised to** [**S4-231425**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231425.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231158.zip)425 | [5GMS3] Essential maintenance | BBC | Richard Bradbury |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231158.zip)425 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231159](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231159.zip) | [5MBUSA] Essential clarifications and corrections | BBC | Richard Bradbury |

**Presenter**: Richard Bradbury

**Online Discussion**:

* Richard: This is a resubmission of a TDoc endorsed during the AdHoc.
* No other comments.

**Decision**: Agreed.

[S4-231159](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231159.zip) is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231160](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231160.zip) | [5MBP3] API for unicast retrieval of MBS User Service Announcement | BBC | Richard Bradbury |

**Presenter**: Richard Bradbury

**Online Discussion**:

* Richard: I have a r01 version to replace 26.501 by 26.517.

**Decision**: r01 agreed.

[S4-231160](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231160.zip) is **revised to** [**S4-231426**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231426.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231160.zip)426 | [5MBP3] API for unicast retrieval of MBS User Service Announcement | BBC | Richard Bradbury |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231160.zip)426 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231179](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231179.zip) | [EVEX] Event exposure APIs | BBC | Richard Bradbury |

**Presenter**: Richard Bradbury

**Online Discussion**:

* Qi: The changes for Rel-18 are okay, but because of the backward compatibility issue (heard from SA3 colleague), doing this change for Rel-17 may not be appropriate
* Richard: Okay, we can ignore Rel-17 changes.

**Decision**: Revised. The revision will be endorsed.

[S4-231179](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231179.zip) is **revised to** [**S4-231427**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231427.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231179.zip)427 | [EVEX] Event exposure APIs | BBC | Richard Bradbury |

**Decision**: Endorsed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231179.zip)427 is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231205](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip) | Removal of HTTPList from 3GPP Metrics | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Richard: It is worthwhile to go forward with the schema version.
* Thomas: Okay, let's prepare the revision and check.

**Decision**: Revised.

[S4-231205](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip) is **revised to** [**S4-231428**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231428.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip)428 | Removal of HTTPList from 3GPP Metrics | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: None.

**Decision**: Revised

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip)428 is **revised to** [**S4-231503**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231503.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip)503 | Removal of HTTPList from 3GPP Metrics | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Thomas: I need to fix the TDoc number.

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

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip)503 is **revised to** [**S4-231516**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231516.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip)516 | Removal of HTTPList from 3GPP Metrics | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip)516 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231206](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231206.zip) | Removal of HTTPList from 3GPP Metrics | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**: None.

**Decision**: Revised (like 1205).

[S4-231206](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231206.zip) is **revised to** [**S4-231429**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231429.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231206.zip)429 | Removal of HTTPList from 3GPP Metrics | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

**Decision**:

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231206.zip)429 is **revised to** [**S4-231504**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231504.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip)504 | Removal of HTTPList from 3GPP Metrics | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Thomas: I need to fix the TDoc number.

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

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip)504 is **revised to** [**S4-231517**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231517.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip)517 | Removal of HTTPList from 3GPP Metrics | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231205.zip)517 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231254](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231254.zip) | [5MBP3] General Updates and Corrections | Qualcomm Incorporated, BBC, Ericsson | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Frederic: Boxes have to be ticked.
* rev12 version presented.
* Thomas: Would like to do some updates, and look into it in plenary.

**Decision**: Revised to 1394. The revision will go to the plenary.

[S4-231254](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231254.zip) is **revised to** [**S4-231394**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231394.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231254.zip)394 | [5MBP3] General Updates and Corrections | Qualcomm Incorporated, BBC, Ericsson | Thomas Stockhammer |

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231254.zip)394 **goes to the plenary**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231316](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231316.zip) | [5GMSA, TEI17] Clarifications to Network Assistance feature | Nokia, BBC | Abdelaali CHAOUB |

**E-mail Discussion**:

|  |  |  |
| --- | --- | --- |
| [S4-231314](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231314.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Fri, 18 Aug 2023 16:26:11 +0100 |

**Presenter**: Daniel Venmani

**Online Discussion**:

* Frederic: This is a mirror, this should be a category A. You can add Dolby as source.

**Decision**: Revised to change the category and add Dolby as source.

[S4-231316](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231316.zip) is **revised to** [**S4-230141**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-230141.zip)**5**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231316.zip)415 | [5GMSA, TEI17] Clarifications to Network Assistance feature | Nokia, BBC | Abdelaali CHAOUB |

**Presenter**: Daniel Venmani

**Online Discussion**:

* No comments.

**Decision**: Revised to remove the rev mark in the cover page. The revision will be agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231316.zip)415 is **revised to** [**S4-231513**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231513.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231316.zip)513 | [5GMSA, TEI17] Clarifications to Network Assistance feature | Nokia, BBC | Abdelaali CHAOUB |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231316.zip)513 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231317](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231317.zip) | [5GMSA] Clarifications to Network Assistance feature | Nokia, BBC | Abdelaali CHAOUB |

**E-mail Discussion**:

|  |  |  |
| --- | --- | --- |
| [S4-231314](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231314.zip) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Fri, 18 Aug 2023 16:26:11 +0100 |

**Presenter**: Daniel Venmani

**Online Discussion**:

* Richard: Nominal time period has to be replaced like in 1132.
* Frederic: We need to merge 1132 with this one.
* Qi: In clause 6.1, in the last 2 bullets, the term ANBR RAN-layer could be replaced by ANBR based RAN signalling like in existing text.
* Frederic: Nominal time period has to be deleted, “layer” removed and then merged with 1132.

**Decision**: Revised.

[S4-231317](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231317.zip) is **revised to** [**S4-230141**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-230141.zip)**6**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231317.zip)416 | [5GMSA] Clarifications to Network Assistance feature | Nokia, BBC | Abdelaali CHAOUB |

**Presenter**: Daniel Venmani

**Online Discussion**:

* Richard: Looked at it. Looks good.

**Decision**: Revised to remove the rev marks in the cover page. The revision will be looked at plenary.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231317.zip)416 is **revised to** [**S4-231515**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231515.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231317.zip)515 | [5GMSA] Clarifications to Network Assistance feature | Nokia, BBC | Abdelaali CHAOUB |

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231317.zip)515 **goes to the plenary**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231357](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231357.zip) | [5GMS\_EDGE\_3] Correction of EAS Discovery | Ericsson LM | Thorsten Lohmar |

**Presenter**: Thorsten Lohmar

**Online Discussion**:

* r1 version presented.
* Iraj: When you say EAS Id, at what stage are you referring to? In SA6, the EAS Id was used for filtering.
* Thorsten: The EAS Id needs to be inserted into Service Access Information so the EAS filter can be built. According to SA6, the client can use the EAS Id as a filter option.
* Frederic: Needs further discussion with Imed as to why this wasn’t included earlier.
* \_r04\_BBC is presented in washup session.
* Iraj: Using edgeConfigurationIds only for content hosting is incorrect. You can use it for content hosting, content preparation and more.

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

[S4-231357](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231357.zip) is **revised to** [**S4-231514**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231514.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231357.zip)514 | [5GMS\_EDGE\_3] Correction of EAS Discovery | Ericsson LM | Thorsten Lohmar |

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

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231357.zip)514 is **revised to** [**S4-231554**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231554.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231357.zip)554 | [5GMS\_EDGE\_3] Correction of EAS Discovery | Ericsson LM | Thorsten Lohmar |

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231357.zip)554 **goes to the plenary**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231358](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231358.zip) | [MBUSA] Correction of Service Area mapping | Ericsson LM | Thorsten Lohmar |

**Presenter**: Thorsten Lohmar

**Online Discussion**:

* BBC commented version is presented.
* Thorsten is happy with BBC edits. No other comments.

**Decision**: Revised to tick the boxes. The revision will be revised, and agreed without presentation.

[S4-231358](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231358.zip) is **revised to** [**S4-231422**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231422.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231358.zip)422 | [MBUSA] Correction of Service Area mapping | Ericsson LM | Thorsten Lohmar |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231358.zip)422 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231362](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231362.zip) | [5GMS, TEI17] Content hosting editorial correction | Tencent | Iraj Sodagar |

**Presenter**: Iraj Sodagar

**Online Discussion**:

* Ericsson version presented.
* Iraj: Good catch from Thorsten, it should be “hosting” and not “publishing”.
* Thorsten: Is there a stage-2 description? If not, we may try adding this.
* Iraj: About the correction from Richard in BBC version, “return” is fine.
* Frederic: Can you change the title to essential correction, and the source extended to Ericsson and BBC.

**Decision**: Revised. The revision will be to the washup.

[S4-231362](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231362.zip) is **revised to** [**S4-231417**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231417.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231362.zip)417 | [5GMS, TEI17] Content hosting editorial correction | Tencent | Iraj Sodagar |

**Presenter**: Iraj Sodagar

**Online Discussion**:

* Thorsten: Do we need to do something in 501?
  + Frederic: We probably need to bring a correction to stage 2.
* Imed: If we change, we should use “delete” instead of “destroy” everywhere.
  + Richard: I prefer to destroy. We can fix it later.

**Decision**: Agreed.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231362.zip)417 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231394](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231394.zip) | [5MBP3] General Updates and Corrections | Qualcomm Incorporated, BBC, Ericsson | Thomas Stockhammer |

[S4-231394](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231394.zip) **goes to the plenary**.

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

*WID:*[*SP-220685*](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_96_Budapest_2022_06/Docs/SP-220685.zip) *WID on Split Rendering Media Service Enabler (SR\_MSE)*

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231190](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231190.zip) | [SR\_MSE] Transport protocols | Qualcomm CDMA Technologies | Imed Bouazizi |

**Presenter**: Imed Bouazizi

**Online Discussion**:

* Thorsten: I uploaded a commented version. It is fine to start connecting with the PDU set. About the guidelines, once it is written, I would like to be more specific on what to use in these guidelines. And the last part deserves our own clause.
  + Imed: I am OK to put the last part in brackets or in an Editor’s note.
* Iraj: I think we need to define if we can have one or more messages in the same envelope.
  + Imed: Yes, we can do more sophisticated. I will produce a revision.

**Decision**: Revised.

[S4-231190](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231190.zip) is **revised to** [**S4-231449**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231449.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231190.zip)449 | [SR\_MSE] Transport protocols | Qualcomm CDMA Technologies | Imed Bouazizi |

**Presenter**: Imed Bouazizi

**Online Discussion**:

* Richard: Is it TS or TR? Styles of Editors notes and tables to be fixed.
* Thorsten: I do not understand the field “messages” in one table, and message in another table.
* Imed: Agree, it can be clarified.
* Iraj: I think you need to define the JSON.

**Decision**: Agreed.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231190.zip)449 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231191](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231191.zip) | [SR\_MSE] Output description format | Qualcomm CDMA Technologies | Imed Bouazizi |

**Presenter**: Imed Bouazizi

**Online Discussion**:

* Iraj: Does this extension introduce new items or profiles?
  + Imed: Yes, it introduces new parameters, like the root node.
* Ahmed: I would like to see some examples. And about the scene description, is it the MPEG scene description?
  + Imed: Yes.
  + Ahmed: Why is this extension not managed in MPEG?
  + Imed: They don’t have a use case for it.
* Waqar: Is this a part of configuration?
  + Imed: You send a configuration to the SRS, and you receive the description. The description of the output is missing.
* Gazi: Shall this be managed in MeCar first?
  + Imed: I don’t mind.
  + Gazi: There is already metadata for this in MeCar.
  + Imed: We can resubmit it to MeCar.

**Decision**: Noted. Will be resubmitted to MeCar.

[S4-231191](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231191.zip) is **noted**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231192](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231192.zip) | [SR\_MSE] Prerequisites for SR | Qualcomm CDMA Technologies | Imed Bouazizi |

**Presenter**: Imed Bouazizi

**Online Discussion**:

* Ericsson version presented.
* Imed: We need a stage 3 for 26.506.
* Iraj: We need more references. What does XR runtime mean? 3D graphics...
* Daniel: I suggest indicating we have an assumption in the 2nd bullet in 6.1.
  + Imed: Yes.
  + Iraj: The language is not correct, but this is our assumption.
* I will produce a revision.

**Decision**: Revised.

[S4-231192](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231192.zip) is **revised to** [**S4-231450**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231450.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231192.zip)450 | [SR\_MSE] Prerequisites for SR | Qualcomm CDMA Technologies | Imed Bouazizi |

**Presenter**: Imed Bouazizi

**Online Discussion**:

* \_Nokia version presented.
* Daniel: Sent comments to this tdoc. Suggested to rephrase the requirements on 5G system to say what we can do rather than what 5G system should do.
* Imed: These are prerequisites.
* Fred: We set the requirements for the 5G system for our services. We can make the assumptions, set requirements on the 5G system. However, I don't think we should say “provision” here…
* Iraj: Can be brief. You can just say - “the 5G system supports” so and so
* Thomas: I think these prerequisites are not requirements, but statements of facts.
* Fred: We need to work more on this.
* Imed: Will provide a revision.

**Decision**: Noted.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231192.zip)450 is **noted**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231193](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231193.zip) | [SR\_MSE] Rendering optimization | Qualcomm CDMA Technologies | Imed Bouazizi |

**Presenter**: Imed Bouazizi

**Online Discussion**:

* Daniel: In the Guidelines, is it possible to add a sentence to indicate that the server can act.
  + Imed: OK, if you have a concrete statement, I can add it.
* Ahmed: How is it calculated?
  + Imed: The XR runtime will provide it.

**Decision**: Revised.

[S4-231193](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231193.zip) is **revised to** [**S4-231451**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231451.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231193.zip)451 | [SR\_MSE] Rendering optimization | Qualcomm CDMA Technologies | Imed Bouazizi |

**Presenter**: Imed Bouazizi

**Online Discussion**:

* \_nokia\_R2 version presented.
* Imed: The sentence highlighted by Nokia could be put in the middle of the text.
  + Daniel: OK.

**Decision** To be revised, and the revision is agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231193.zip)451 is **revised to** [**S4-231518**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231518.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231193.zip)518 | [SR\_MSE] Rendering optimization | Qualcomm CDMA Technologies | Imed Bouazizi |

**Decision**: Agreed without presentation

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231193.zip)518 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231207](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231207.zip) | [SR\_MSE] Updates to Media Capabilities | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Julien: Audio codec selection is still on discussion in MeCAR, can we wait for this discussion?
  + Thomas: I am OK to put this in brackets.

**Decision**: Revised.

[S4-231207](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231207.zip) is **revised to** [**S4-231432**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231432.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231207.zip)432 | [SR\_MSE] Updates to Media Capabilities | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Thorsten: You mean whether the pixel is stereoscope
  + Thomas: Correct.
* Thomas: Probably encoding capabilities have to be removed.
* Richard: Some typos - to be fixed

**Decision**: Agreed. The editor will do the small fixes.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231207.zip)432 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231324](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231324.zip) | Split rendering Metrices | Nokia Hungary | Daniel Philip VENMANI |

**Presenter**: Daniel Philip VENMANI

**Online Discussion**:

* Imed: I wonder if we can have more normative references. What happens to the TR? I don’t mind putting this in brackets.
  + Daniel: I agree.
* Thorsten: Split rendering is not limited to VR or AR. I would like to allow 2D type of content.
  + Daniel: Yes, this is the beginning.

**Decision**: Agreed. It is up to the editor to put it in a good way.

[S4-231324](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231324.zip) is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231325](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231325.zip) | Editorial corrections on SR MSE architectures | Nokia Hungary | Daniel Philip VENMANI |

**Presenter**: Daniel Philip VENMANI

**Online Discussion**:

* Frederic: We have guidelines for diagrams.
* Imed: It was not clear what had changed. The interface between Application and XR runtime doesn’t always exist. It seems to be OK.
  + Thorsten: We have an interface to XR runtime which is optional. The text should be more explicit.
* Thomas: I think we need a function to do the pose.
  + Imed: Even pose is optional.
* Yoshihiro: You describe the RTC-2 interface but this is not specified.
  + Frederic: If RTC-2 has to be removed we will need a CR.

**Decision**: Revised.

[S4-231325](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231325.zip) is **revised to** [**S4-231434**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231434.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231325.zip)434 | Editorial corrections on SR MSE architectures | Nokia Hungary | Daniel Philip VENMANI |

**Presenter**: Daniel Philip VENMANI

**Online Discussion**:

* Imed: Would it be possible to get the sources for the diagram?
  + Daniel: It is Visio, you can double click and edit it.
  + Imed: But on the 2nd one?
  + Daniel: I don’t have the source. This is a picture.
  + Imed: OK, I’ll fix that.

**Decision**: Agreed.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231325.zip)434 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231326](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231326.zip) | Discussion on the use of RTC-interface based architecture in SA4 documents | Nokia Hungary | Daniel Philip VENMANI |

**Presenter**: Daniel Philip VENMANI

**Online Discussion**:

* Imed: We had an agreement that should be based on RTC. I understand that the difference between streaming and real time communication is less visible. But not on the control plane.
  + Daniel: Why is Qualcomm interesting to have Split Rendering based only on RTC?
  + Frederic: This was our starting point.

**Decision**: We agree on the statement, but we don’t agree on the solution.

[S4-231326](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231326.zip) is **noted**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231328](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231328.zip) | RTC interfaces on SR MSE architectures | Nokia Hungary | Daniel Philip VENMANI |

**Presenter**: Daniel Philip VENMANI

**Online Discussion**: See 1326.

**Decision**: Noted.

[S4-231328](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231328.zip) is **noted**.

## 8.7 PROMISE (5G-Advanced media profiles for messaging services)

*WID:* [*SP-200542*](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230542.zip) *New WID on 5G-Advanced media profiles for messaging services*

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231131](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231131.zip) | Draft TS 26.143 Messaging Media profiles v0.0.2 | Dolby Laboratories Inc. | Frederic Gabin |

**Presenter**: Frederic Gabin

**Online Discussion**:

* Thomas: We plan to only define profiles. Do we also want to define capabilities like in 5GMS?
  + Frederic: I don’t think there is an expectation to define new capabilities.
  + Thomas: We have a TDoc on capabilities, probably we will have to revisit. An alignment with the structure with 517 should be considered.
  + Frederic: There will be a revision in the week.

**Decision**: Revised.

[S4-231131](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231131.zip) is **revised to** [**S4-231444**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231444.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231131.zip)444 | Draft TS 26.143 Messaging Media profiles v0.1.0 | Dolby Laboratories Inc. | Frederic Gabin |

**Presenter**: Frederic Gabin

**Online Discussion**:

* No comments

**Decision**: Agreed as basis for further work.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231131.zip)444 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231183](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231183.zip) | [PROMISE] On support for 3D formats in messaging | Qualcomm CDMA Technologies | Imed Bouazizi |

**Presenter**: Imed Bouazizi

**Online Discussion**:

* Xiaomi version presented.
* Imed: We don’t include audio here, but it could be needed in the future.
* Ahmed: How will this message be rendered and generated on devices not supporting this feature?
  + Imed: You have the control of the scene.
* Eric: For this MMS application, do we need to require the GLB binary?
  + Imed: We don’t know yet. I think you can do both.

**Decision**: Agreed.

[S4-231183](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231183.zip) is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231184](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231184.zip) | CR on Support for 3D formats in messaging | Qualcomm CDMA Technologies | Imed Bouazizi |

**Presenter**: Imed Bouazizi

**Online Discussion**:

* Iraj: If the MMS relay doesn’t support that 3D scene, why does it need to do the transcoding?
  + Frederic: The word “legacy devices” is missing.
  + Imed: If you support 3D, you shall support transcoding.
  + Frederic: It doesn’t say “in case of legacy device”, you have to indicate it. And if the relay doesn’t not support 3D, it should indicate that the message is forwarded indicating there could be a wrong rendering.
  + Mary-Luc, I uploaded a revision adding “and MPEG lights texture based.
* Shane: Should we consider other solutions like ISOBMFF?
  + Imed: ISOBMFF is not a 3D format. It is just a file format which doesn’t fulfil the functionality.
* Frederic: Should we merge it in one single CR?
  + Imed: Yes.

**Decision**: The content is agreeable. Merged with the revision of 1339.

[S4-231184](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231184.zip) is **merged into** [**S4-231446**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231446.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231213](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231213.zip) | [PROMISE] General Comments on Media Capabilities | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Frederic: You can’t do a single MP4 container today.
  + Thomas: You couldn’t do a single part MIME, I think this is possible.
* Imed: Why do we have 5GMSd?
  + Thomas: This is a copy/paste.
* Thomas: Do we want to do media and envelope encryption?
  + Frederic: Envelope encryption is not in our scope.
* Imed: In 140 section 4.9, we say 3GP file format.
  + Thomas: Are we going to keep the 3GP file format? Can we refer to ISO8? I don’t believe MPEG is developing a format for messages.
  + Thomas: We need to review the file format capabilities, is ISO8 relevant?
* Imed: We have HTML5, SMIL and XHTML. Or if we have a single asset, it can be directly WAV… If you have several assets, we will have to use MP4, HTML5 or glTF.
* Frederic: I’ll take care of the editing for 140.

**Decision**: Agreed.

[S4-231213](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231213.zip) is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231339](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231339.zip) | CR 26.140-0021Rev1 Updates to codecs and formats (Rel-18) | Dolby Laboratories Inc. | Frederic Gabin |

**Presenter**: Frederic Gabin

**Online Discussion**:

* Frederic: Can we use it as a basis for further work? We need to revise it to integrate 1184.
* Thomas: Do we need to duplicate in 26.143?
  + Frederic: Another solution could be to integrate this directly in the TS. But we will need a CR in any case.
  + Thomas: Maybe we could indicate something in “Other comments” in the cover page.
  + Frederic: OK.

**Decision**: Revised.

[S4-231339](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231339.zip) is **revised to** [**S4-231446**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231446.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231339.zip)446 | CR 26.140-0021r2 Updates to codecs and formats (Rel-18) | Dolby Laboratories Inc. | Frederic Gabin |

**Presenter**: Frederic Gabin

**Online Discussion**:

* Thomas: Looks good.
* Fred: Intention is to attach and send LS to GSMA.

**Decision**: Revised to add Qualcomm in sources and correct the Tdoc number. The revision will be endorsed.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231339.zip)446 is **revised to** [**S4-231556**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231556.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231339.zip)556 | CR 26.140-0021r2 Updates to codecs and formats (Rel-18) | Dolby Laboratories Inc. | Frederic Gabin |

**Decision**: Endorsed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231339.zip)556 is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231341](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231341.zip) | [PROMISE] Work Plan | Dolby Laboratories Inc. | Frederic Gabin |

**Presenter**: Frederic Gabin

**Online Discussion**:

* Frederic: Thomas will consider an LS to MPEG, and I will manage the LS to GSMA.

**Decision**: Revised.

[S4-231341](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231341.zip) is **revised to** [**S4-231447**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231447.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231341.zip)447 | [PROMISE] Work Plan | Dolby Laboratories Inc. | Frederic Gabin |

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231341.zip)447 **goes to the plenary**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231341.zip)448 | LS on 5G-Advanced formats and codecs for messaging services (to GSMA NG-UPG) | Dolby Laboratories Inc. | Frederic Gabin |

**Presenter**: Frederic Gabin

**Online Discussion**:

* Frederic: The Tdoc number will have to be corrected.
* Thomas: We will have to check if we have someone to receive this letter. It could be confusing without explanations.

**Decision**: Revised to correct the dates and the Tdoc number. The revision will be agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231341.zip)448 is **revised to** [**S4-231557**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231557.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231341.zip)557 | LS on 5G-Advanced formats and codecs for messaging services (to GSMA NG-UPG) | Dolby Laboratories Inc. | Frederic Gabin |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231341.zip)557 is **agreed**.

## 8.8 5GMS\_Pro\_Ph2 (5G Media Streaming Protocols Phase 2)

*WID:* [*SP-230543*](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230543.zip) *New WID for 5G Media Streaming Protocols Phase 2*

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231161](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231161.zip) | [5GMS\_Pro\_Ph2] API changes to support 3GPP Service URL | BBC | Richard Bradbury |

**Presenter**: Richard Bradbury

**Online Discussion**:

* Iraj: If service provider wants to offer both Rel-17 and 18, how does it work for Rel-17 devices?
  + Richard: The AF can implement both versions v2 and V3. You can do data modelling inside the AF. WE provision once using M1, resource exists in AF, you can provide two different APIs to access the resource.
  + Iraj: In M1, when provisioning is done, is the provisioning Id provided by AF or ASP?
  + Richard: Provisioning Id is assigned by AF. The ASP may provide the application Id.

**Decision**: Endorsed

[S4-231161](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231161.zip) is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231162](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231162.zip) | [5GMS\_Pro\_Ph2] Event exposure APIs | BBC | Richard Bradbury |

**Presenter**: Richard Bradbury

**Online Discussion**:

* r02 version presented.
* No comments

**Decision**: Endorsed the r02 version.

[S4-231162](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231162.zip) is **revised to** [**S4-231465**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231465.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231162.zip)465 | [5GMS\_Pro\_Ph2] Event exposure APIs | BBC | Richard Bradbury |

**Decision**: Endorsed without presentation.

[S4-23](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231162.zip)1465 is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231169](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231169.zip) | [5GMS\_Pro\_Ph2] ANBR-based network assistance data reporting | Sony Europe B.V. | Paul Szucs |

**Presenter**: Paul Szucs

**Online Discussion**:

* r01\_ BBC version presented.
* No comments.

**Decision**: r01\_BBC version endorsed.

[S4-231169](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231169.zip) is **revised to** [**S4-231466**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231466.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231169.zip)466 | [5GMS\_Pro\_Ph2] ANBR-based network assistance data reporting | Sony Europe B.V. | Paul Szucs |

**Decision**: Endorsed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231169.zip)466 is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231170](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231170.zip) | [5GMS\_Pro\_Ph2] ANBR-based network assistance data reporting | Sony Europe B.V. | Paul Szucs |

**Presenter**: Paul Szucs

**Online Discussion**:

* \_BBC version presented.
* Richard: How does the dependency between two CRs work
  + Fred: Depends. If one CR is rejected, the other is rejected.
* Frederic: You need to tick the boxes.

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

[S4-231170](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231170.zip) is **revised to** [**S4-231467**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231467.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231170.zip)467 | [5GMS\_Pro\_Ph2] ANBR-based network assistance data reporting | Sony Europe B.V. | Paul Szucs |

**Decision**: Endorsed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231170.zip)467 is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231194](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231194.zip) | CR on Background Data Transfer in 5GMS | Qualcomm CDMA Technologies | Imed Bouazizi |

**Presenter**: Imed Bouazizi

**Online Discussion**:

* \_Ericsson version presented (only comments added)
* Thorsten: In M1, there is also a BDT management API on NEF. Why don't you reuse the existing NEF API?
  + Imed: The way we did it so far is we pass the info to AF, and AF will invoke either the N33 or the M5.
  + Thorsten, so we do it twice? Once with N33 and again with M1
  + Imed: If you also configured through NEF, dont need to configure policy again with M1
  + Thorsten: Some properties like min bitrate and max bit rate are missing. It will be useful to explain
  + Thorsten: For M6, we need to do all features, not just the BDT
  + Imed: Agree
* Richard: Sent some comments earlier. I did not find text about asynchronous notifications to AF
  + Imed: Makes sense. All the existing text is more static, except the M6. We can add more details for the dynamic part
  + Richard: There is no stage-2 support for procedures
  + Imed: Maybe we need to add something in stage-2. At the time of work, we classified this work for stage-3. But we can look at it.

**Decision**: Endorsed.

[S4-231194](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231194.zip) is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231208](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231208.zip) | [5GMS\_Pro\_Ph2] Updated Work Plan | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Richard: I proposed October 26th with 5G-Mag.
* Thomas: OK, let’s add the 12th and fix the submission deadline.

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

[S4-231208](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231208.zip) is **revised to** [**S4-231148**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231148.zip)**0**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231208.zip)480 | [5GMS\_Pro\_Ph2] Updated Work Plan | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Revised to 1509.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231208.zip)480 is **revised to** [**S4-231509**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231509.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231208.zip)509 | [5GMS\_Pro\_Ph2] Updated Work Plan v0.4.0 | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Frederic: Don’t already plan for an extension. I object to this.

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

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231208.zip)509 is **revised to** [**S4-231525**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231525.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231208.zip)525 | [5GMS\_Pro\_Ph2] Updated Work Plan v0.4.0 | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231208.zip)525 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231209](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231209.zip) | [5GMS\_Pro\_Ph2] Service URL Handling | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* BBC version presented.
* Thomas: I would like to move this in 5G-Mag reference tool in the coming weeks.
* Frederic: What is the association with Android?
  + Thomas: To make this work, you need to register in a central registry. It is an app link. It is not yet clear.
  + Imed/Thomas: You need to register as a developer to upload the app, and get the link
  + Thorsten: Is the plan to turn this to a URL schema?
  + Thomas: No. When you get the URL you move the URL to the Media Session Handler.
  + Richard: Thomas did a detailed study and looked at URL schemas. Found out that they do not do what we intend to do. With HTTP URL, if the App is not installed, you can follow the link.

**Decision**: Endorsed with the change by BBC. Revised. The revision will be endorsed without presentation.

[S4-231209](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231209.zip) is **revised to** [**S4-231464**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231464.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231209.zip)464 | [5GMS\_Pro\_Ph2] Service URL Handling | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Endorsed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231209.zip)464 is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231210](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231210.zip) | [5GMS\_Pro\_Ph2] Low-Latency Streaming and Dynamic Policies | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* \_BBC\_Ericsson version presented
* Thorsten: It is not just enough for HTTP chunked delivery. We also need to agree on the format. We also need to provide a requirement on 5GMS AS for the delivery
  + Thomas: Do we have any requirements on the AS anywhere? I dont think we do.
  + Richard: We had some discussion earlier on to redirect at the AS.
  + Richard: The chunked transfer coding is HTTP/1.1. We sort of get this free in HTTP/. Also, we don't need the range request for HTTP/2 and HTTP/3. We also need to check the HTTP RFC if that has been superseded or obsolete.
* Thomas: Are we going to create something on the AS clause?
  + Richard: This is Rel-18. I’d suggest yes
  + Thomas: But we are not doing user plane for Rel-18
  + Fred: Yes, just the session handling
  + Thomas: We can probably add a note that this is related to AS. Then we can check all of these things.

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

[S4-231210](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231210.zip) is **revised to** [**S4-231469**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231469.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231210.zip)469 | [5GMS\_Pro\_Ph2] Low-Latency Streaming and Dynamic Policies | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Endorsed without presentation

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231210.zip)469 is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231211](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231211.zip) | [5GMS\_Pro\_Ph2] 5GMS over MBS and 5GMS hybrid services | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* r01 and then Ericsson versions presented.
* Thorsten: What is this dynamic provisioning?
* Thorsten: Replacing eMBMS with MBS is fine. But are there cases where we might need both?
* Richard: Yes.
* Thorsten: There are some more editorial comments. We can look at them in subsequent meetings.

**Decision**: Revised according to the new versions. The revision will be endorsed without presentation.

[S4-231211](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231211.zip) is **revised to** [**S4-231470**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231470.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231211.zip)470 | [5GMS\_Pro\_Ph2] 5GMS over MBS and 5GMS hybrid services | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Endorsed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231211.zip)470 is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231212](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231212.zip) | [5GMS\_Pro\_Ph2] Multiple media service entry points | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* \_BBC version is presented.
* Richard: If we are having priorities here, we might include them in M1 as well.
* Iraj: If there are two different formats and manifests provided (e.g., mpd and m3u8), do you need to list them here?
* Richard: Think so. The distributionConfigurations is an array, so we can have multiple objects.
* Richard: We can add to the M1 entrypoint
* Thorsten: Sent comments through email. I think it should be indicating preference, but not enforcement.
* Richard: The problem is that it is indicative only.

**Decision**: Endorsed after revision.

[S4-231212](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231212.zip) is **revised to** [**S4-231471**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231471.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231212.zip)471 | [5GMS\_Pro\_Ph2] Multiple media service entry points | Qualcomm Incorporated | Thomas Stockhammer |

**Decision**: Endorsed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231212.zip)471 is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231243](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231243.zip) | [5GMS\_Pro\_Ph2] Uplink Streaming: content publishing and egest | Tencent Cloud | Iraj Sodagar |

**Presenter**: Iraj Sodagar

**Online Discussion**:

* r02 version presented.
* Richard: Maybe we could merge.
  + Iraj: It is shared between uplink and downlink. Should we repeat it twice?
  + Richard: At the moment, we can’t describe it at the same time, they have different identifiers. But they have the same structure.
  + Iraj: OK, we don’t need to converge here.
* Richard: How do you plug donwnlink and uplink?
  + Thorsten: Maybe we should spend some thoughts on this.
  + Richard: By configuration you could plug M2u with M2d.
* Thomas: It looks like DASF-IF has defined an egest protocol. This is misleading.
  + Iraj: This is a good comment. Maybe I should change the title to something like “HTTP push-based egest based on DASH-IF”.

**Decision**: Revised. Revision will be endorsed without presentation.

[S4-231243](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231243.zip) is **revised to S4-2314**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231248](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231248.zip) | [5GMS\_Pro\_Ph2] Add HTTP-3 as allowed protocol in 26.512 | Tencent | Spencer Dawkins |

**Presenter**: Iraj Sodagar

**Online Discussion**:

* r03 version presented.
* Richard: Can we make a statement indicating that we automatically accept DASH-IF updates?
  + Frederic: There could be a Note indicating that DASH-IF is based on HTTP/1.1, and if that changes, the DASH-IF reference could also be changed in a future release.
* HTTP/3Thomas: What is happening in other 3GPP groups developing open APIs specifications?
  + Thorsten: In CT, it is all HTTP/2. There is no upgrade procedure.
  + Thomas: If we would be the 1st one to implement HTTP/3, I would be reluctant.
  + Frederic: Is there a technical reason to do this upgrade? If not, let’s not do it at all.
  + Richard: It could be better to not include HTTP/3 in Rel-18, precluding nothing.
  + Thomas: HTTP/3 is OK on the media plane. But for others, we should have a justification to do this.
  + Richard: Low latency could be a justification.
* Frederic: We accept the revision in r03 and remove the paragraph. Clause 10 should be checked.

**Decision**: Revision in r03 accepted. The paragraph on HTTP/3 has to be removed and HTTP/3 support in clause 10 will have to be checked. The revision will be endorsed without presentation.

[S4-231248](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231248.zip) is **revised to** [**S4-231479**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231479.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231479](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231479.zip) | [5GMS\_Pro\_Ph2] Add HTTP-3 as allowed protocol in 26.512 | Tencent | Spencer Dawkins |

**Decision**: Endorsed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231248.zip)479 is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231255](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231255.zip) | [5GMS\_Pro\_Ph2] Multiple Service Entry & Uplink streaming: media entry point | Tencent Cloud | Iraj Sodagar |

**Presenter**: Iraj Sodagar

**Online Discussion**:

* r02 version presented.
* Richard: It is probably better to add a text indicating that you can have a manifest or not.
* Iraj: The entry point is a location, not a resource.
* Richard: We don't need to change cardinality I think. For the locator, it is an AbsoluteURL.
* Iraj: There might be cases where there is no manifest. The streamer might just prepare the segments, and they are sent out. Manifest could be prepared later
* Richard: Okay, maybe we can say there may be a manifest. The original text is vague that it might cover what you are proposing
* Iraj: The entrypoint information for downlink is little different than the one for uplink. It is more like a basePath for uplink
* Thorsten: When does this become a full path if it is just a basePath.
* Frederic: It is better to see the revision before endorsing it.

**Decision**: Revised.

[S4-231255](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231255.zip) is **revised to** [**S4-231472**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231472.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231255.zip)472 | [5GMS\_Pro\_Ph2] Multiple Service Entry & Uplink streaming: media entry point | Tencent Cloud | Iraj Sodagar |

**Presenter**: Iraj Sodagar

**Online Discussion**:

* Richard: Clarification on the absoluteURL for uplink streaming

**Decision**: Endorsed.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231255.zip)472 is **endorsed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231359](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231359.zip) | [5GMS\_Pro\_Ph2] Traffic Identification | Ericsson LM | Thorsten Lohmar |

**Presenter**: Thorsten Lohmar

**Online Discussion**:

* BBC version presented.
* Qi: In step 4, the QoS description should be moved into the brackets.
  + Thorsten: I will take the action to check a bit.
  + Qi: What do you mean with QoS description?
  + Thorsten: It is more the way the PCF manages this.
* Thomas: This is a call flow for stage 2?
  + Thorsten: This is an annex, but I can put it in stage 2. As long as we move the entire annex, this is an easy move.

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

[S4-231359](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231359.zip) is **revised to** [**S4-231473**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231473.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231359.zip)473 | [5GMS\_Pro\_Ph2] Traffic Identification | Ericsson LM | Thorsten Lohmar |

**Decision**: Endorsed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231359.zip)473 is **endorsed**.

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

*WID:*[*SP-220675*](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_96_Budapest_2022_06/Docs/SP-220675.zip) *Study on Media Streaming aspects of Network Slicing Phase 2*

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231264](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231264.zip) | [FS\_MS\_NS\_Ph2] Key Issue on Bootstrapping Application Invocation on a Network Slice | Samsung Nanjing | Prakash Kolan |

**Presenter**: Prakash Kolan

**Online Discussion**:

* r02\_BBC version presented.
* Richard: On step 3, Does It dependent on NEF?
  + Prakash: Yes.
* Daniel: Is there a difference with SA2?
  + Prakash: No.
  + Qi: We are just reusing the procedure defined by SA2. But is it better to keep informative text at the beginning of the TR?
* Frederic: The purpose of URSP is to prevent ambiguity. Why would we have ambiguity with 5GMS?
  + Thorsten: Android supports this.
  + Frederic: So, for this, there is no gap. I don’t see SA4 defining this, this is not in our ToR.
  + Thorsten: We need to think also there is the Operating System in the path which is not in scope of SA4.

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

[S4-231264](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231264.zip) is **revised to** [**S4-231486**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231486.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231265](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231265.zip) | [FS\_MS\_NS\_Ph2] Collaboration Options and Network Slicing Scenarios | Samsung Nanjing | Prakash Kolan |

**Presenter**: Prakash Kolan

**Online Discussion**:

* r02 version presented.
* Frederic: Just 3.1.4 has to be deleted?
  + Prakash: Yes.

**Decision**: r02 agreed with the diagram in 3.1.4 removed. The revision will be agreed without presentation.

[S4-231265](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231265.zip) is **revised to** [**S4-231487**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231487.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231265.zip)487 | [FS\_MS\_NS\_Ph2] Collaboration Options and Network Slicing Scenarios | Samsung Nanjing | Prakash Kolan |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231265.zip)487 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231267](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231267.zip) | [FS\_MS\_NS\_Ph2] Draft TR 26.941 v0.6.0 | Samsung Nanjing | Prakash Kolan |

**Presenter**: Prakash Kolan

**Online Discussion**:

* Richard: I need time to check this.

**Decision**: Goes to the plenary.

[S4-231267](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231267.zip) **goes to the plenary**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231268](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231268.zip) | [FS\_MS\_NS\_Ph2] Proposed Updated Time and Work Plan | Samsung Nanjing | Prakash Kolan |

**Presenter**: Prakash Kolan

**Online Discussion**:

* Frederic: I have a problem extending this work in March without a good reason.
* Thomas: Is this TR to be released to SA during this meeting?
  + Frederic: It has.
  + Parkash: We should be around 60% completion, so it is OK.

**Decision**: Revised to still complete in December. The revision will be agreed without presentation.

[S4-231268](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231268.zip) is **revised to** [**S4-231526**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231526.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231268.zip)526 | [FS\_MS\_NS\_Ph2] Proposed Updated Time and Work Plan | Samsung Nanjing | Prakash Kolan |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231268.zip)526 is **agreed**.

## 8.10 Other Rel-18 matters including TEI

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231151](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231151.zip) | [5GMS\_Ph2] Additional baseline parameter for 3GPP Service URL | BBC | Richard Bradbury |

**Presenter**: Richard Bradbury

**Online Discussion**:

* Thomas: Would it be OK with what is defined in stage 2?
  + Richard: It is fine. This is just a shopping list.

**Decision**: Agreed. Goes to the plenary.

[S4-231151](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231151.zip) is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231152](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231152.zip) | [5GMS\_Ph2] Update to 5GMS+MBS architecture | BBC | Richard Bradbury |

**Presenter**: Richard Bradbury

**Online Discussion**:

* No comments.

**Decision**: Agreed.

[S4-231152](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231152.zip) is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231153](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231153.zip) | [5GMS\_Ph2] Event exposure | BBC | Richard Bradbury |

**Presenter**: Richard Bradbury

**Online Discussion**:

* Frederic: You need to tick the boxes.

**Decision**: Revised to tick the boxes. The revision will be agreed without presentation.

[S4-231153](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231153.zip) is **revised to** [**S4-231423**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231423.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231153.zip)423 | [5GMS\_Ph2] Event exposure | BBC | Richard Bradbury |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231153.zip)423 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231167](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231167.zip) | [TEI18, ADAE, EVEX] UE Application instructing DDCC for immediate data report delivery | Samsung | Sapan Shah |

**Presenter**: Prakash Nolan

**Online Discussion**:

* r02 version presented.
* Frederic: Several issues in the cover page:
  + We will need a TDoc number
  + Source to TSG should be S4 and not SA4
  + Boxes should be ticked (Yes to other spec) and spec affected added (531).
  + Core network should be ticked.

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

[S4-231167](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231167.zip) is **revised to** [**S4-231492**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231492.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231167.zip)492 | [TEI18, ADAE, EVEX] UE Application instructing DDCC for immediate data report delivery | Samsung | Sapan Shah |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231167.zip)492 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231168](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231168.zip) | [TEI18, ADAE, EVEX] UE Application instructing DDCC for immediate data report delivery | Samsung | Sapan Shah |

**Presenter**: None.

**Online Discussion**:

* See 1167.

**Decision**: Revised (see 1167). The revision will be agreed without presentation.

[S4-231168](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231168.zip) is **revised to** [**S4-231493**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231493.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231168.zip)493 | [TEI18, ADAE, EVEX] UE Application instructing DDCC for immediate data report delivery | Samsung | Sapan Shah |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231168.zip)493 is **agreed**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231302](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231302.zip) | Discussion Threshold event based RVQoE | Apple | Waqar Zia |

**Presenter**: Waqar Zia

**Online Discussion**:

* Thomas: There are 2 ways in network assistance. Is this something different?
  + Frederic: Using RVQoE doesn’t need network assistance.
  + Waqar: Here you have only what you need.
  + Thomas: Is it sending an event and RAN should not do anything if they are not asked to do something?
  + Qi: They want to add a new reporting condition.
  + Thomas: Then what is the problem? It could be a fast forward…
  + Waqar: This is in case the application can’t do anything else. The application indicates its problem. And the solution is managed by 5G.
  + Waqar: I think the concept is good.
  + Frederic: Network assistance is good. But I don’t know if RVQoE is better.
* Qi: I am confused by the threshold.

**Decision**: Noted.

[S4-231302](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231302.zip) is **noted**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231303](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231303.zip) | Threshold event based RVQoE | Apple | Waqar Zia |

**Presenter**: Waqar Zia

**Online Discussion**:

* Thomas: That seems a 3rd way to do network assistance.
* Richard: The boost is just for uplink and ANBR just for downlink. ANBR for uplink is missing for stage 2.
* Thomas: Is buffer level defined as an event?
  + Waqar: No, this is a periodic reporting.

**Decision**: Apple chose to withdraw it. Noted.

[S4-231303](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231303.zip) is **noted**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231304](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231304.zip) | draft Reply LS on buffer level threshold-based RVQoE reporting | Apple | Waqar Zia |

**Presenter**: Waqar Zia

**Online Discussion**:

* Thomas: This network assistance exists.
  + Waqar: Yes, but it has nothing to do with buffer level threshold.
  + Thomas: Maybe we can indicate we have something which can answer their needs.
  + Frederic: We will work on this offline.

**Decision**: Revised.

[S4-231304](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231304.zip) is **revised to** [**S4-231527**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231527.zip).

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231304.zip)527 | draft Reply LS on buffer level threshold-based RVQoE reporting | Apple | Waqar Zia |

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231304.zip)527 **goes to the plenary**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231314](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231314.zip) | [5GMS\_Ph2] Clarifications to Network Assistance feature | Nokia, BBC | Abdelaali CHAOUB |

**Presenter**: Daniel Venmani

**Online Discussion**:

* Frederic: “Nominal time period” has to be removed. It will still be a category F.
* Richard: Work item code is rather 5GMS, TEI18.

**Decision**: Revised (See 1316).

[S4-231314](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231314.zip) is **revised to** [**S4-230141**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-230141.zip)**4**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231414](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231414.zip) | [5GMS\_Ph2] Clarifications to Network Assistance feature | Nokia, BBC | Abdelaali CHAOUB |

**Presenter**: Daniel Venmani

**Online Discussion**:

* No comment.

**Decision**: Revised.

[S4-231414](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231414.zip) is **revised to** [**S4-230151**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-230151.zip)**2**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231314.zip)512 | [5GMS\_Ph2] Clarifications to Network Assistance feature | Nokia, BBC | Abdelaali CHAOUB |

**Decision**: Agreed without presentation.

[S4-231](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231314.zip)512 is **agreed**.

## 8.11 New Work / New Work Items and Study Items

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-231204](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231204.zip) | Some Potential Future Topics for Media Delivery | Qualcomm Incorporated | Thomas Stockhammer |

**Presenter**: Thomas Stockhammer

**Online Discussion**:

* Julien: Want to understand if you would like to use CMCD and CMSD in context of EVEX?
* Thomas: EVEX may be a level higher. CMCD and CMSD are operational
* Richard: Some of them are overlapping with QoE metrics. For some of them, we have exposing them through M5 API. We can study if we want to use M4 to provide these metrics to AS, and then ultimately to AF.
* Iraj: What is the ask?
  + Thomas: We probably put into study phase. We want to understand how to use these technologies. Probably a study in Rel-19 to investigate this.
  + Iraj: What is the timeline?
  + Fred: Lets focus on stage-3 before Rel-19 study.

**Decision**: Noted.

[S4-231204](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_125_Gotheneburg/Docs/S4-231204.zip) is **noted**.

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

## 8.13 Any Other Business

### 8.13.1 Input documents

### 8.13.2 Report

### 8.13.3 Summary from Offline Discussions

### 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 August 24, 2023 at 10:38 (CEST).

## 8.15 Attendees

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TITLE** | **Family Name** | **Given Name** | **Employer Organization** | **f2f** | **online** |
| Dr. | Bouazizi | Imed | Qualcomm Incorporated | Yes |  |
| Dr. | Bradbury | Richard | BBC | Yes |  |
| Mr. | Champel | Mary-Luc | Beijing Xiaomi Mobile Software | Yes |  |
| Dr. | CHAOUB | Abdelaali | Nokia France |  | Yes |
| Dr. | Chen | Lulin | MediaTek Inc |  | Yes |
| Mr. | Dawkins | Spencer | Tencent |  | Yes |
| Mr. | Gabin | Frederic | Dolby Laboratories Inc. | Yes |  |
| Mr. | Gibellino | Diego | TELECOM ITALIA S.p.A. |  | Yes |
| Mr. | Gu | Xiaojun | HUAWEI TECHNOLOGIES Co. Ltd. | Yes |  |
| Mr. | Gunkel | Simon | TNO | Yes |  |
| Dr. | Hamza | Ahmed | InterDigital Communications | Yes |  |
| Dr. | He | Xuan (Shane) | Nokia Germany | Yes |  |
| Dr. | Hu | James | AT&T GNS Belgium SPRL | Yes |  |
| Dr. | Kolan | Prakash | Samsung Research America | Yes |  |
| Mr. | Kwon | WooSuk | LG Electronics Inc. | Yes |  |
| Mr. | Lemotheux | Julien | Orange | Yes |  |
| Dr. | Lohmar | Thorsten | Ericsson LM | Yes |  |
| Mr. | O’Leary | Ed | Rogers Communications |  | Yes |
| Dr. | Pan | Qi | HUAWEI TECHNOLOGIES Co. Ltd. | Yes |  |
| Mr. | Sanchez de la Fuente | Yago | Fraunhofer HHI | Yes |  |
| Dr. | Sodagar | Iraj | Tencent | Yes |  |
| Mr. | Steck | Chris | DTS Licensing Limited | Yes |  |
| Dr. | Stockhammer | Thomas | Qualcomm CDMA Technologies | Yes |  |
| Dr. | Stoica | Razvan-Andrei | Motorola Mobility Germany GmbH | Yes |  |
| Mr. | Szucs | Paul | Sony Europe B.V. | Yes |  |
| Mr. | Teniou | Gilles | Tencent | Yes |  |
| Mr. | Thomas | Emmanuel | Beijing Xiaomi Mobile Software | Yes |  |
| Dr. | Tourapis | Alexandros | Apple GmbH | Yes |  |
| Dr. | VENMANI | Daniel Philip | Nokia France | Yes |  |
| Dr. | Wang | Xin | MediaTek Inc. |  | Yes |
| Mr. | Yip | Eric | Samsung Electronics Co., Ltd | Yes |  |
| Dr. | Yoon | Joonhee | LG Electronics Inc. |  | Yes |
| 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…

online meeting notes: <https://docs.google.com/document/d/1su4ZXexTeaQsvTVbzfmY98I86ICu0_O5pUUSUAVJ5H0/edit>

|  |  |  |
| --- | --- | --- |
| A.I. # | A.I. Title | Tdoc # |
| 8 | Multicast-Broadcast-Streaming (MBS) SWG |  |
| 8.1 | Opening of the session |  |
| 8.2 | Registration of documents |  |
| 8.3 | Reports/Liaisons from other groups/meetings | MBS Security:1138 (CT4) reply in 1360 -> 1485a (plenary)QoE:1139 (RAN2) reply 1279 -> 1490a (plenary)1141 (RAN3) reply in 1491 (plenary)1276a (discussion on LS in 1141)5GMS : 1145n (SA2) |
| 8.4 | Issues for immediate consideration | Architecture alignment session (Joint session with RTC on Tuesday 8am)Arch. Align.: 1195->1498a, 1196pp, 1197pp, 1198->1500n, 1199n, 1315aNew WID: 1200n (OPAMEDIA)Rev. WID: 1201->1501a (plenary), 1202->1502a, 1203n |
| 8.5 | CRs to features in Release 17 and earlier | 26.501:- Stage 2/3 align.: 1132m (-> 1416)- 5GMSA (Rel-16): 1317->1416->1515a (plenary)- 5GMSA/NA (Rel-17): 1316->1415->1513a (plenary)- EVEX: 1155e26.512:- 5GMS3 Rel-16: 1158->1425a (plenary)- 5GMS3 Rel-17: 1156->1424a (plenary), 1362->1417a (plenary)- 5GMS\_EDGE\_3: 1357->1514->1554 (plenary)26.502:- 5MBUSA: 1159a (plenary), 1358->1422a (plenary)26.517:- 5MBP3: 1160->1426a (washup), 1254->1394 (plenary)- EVEX: 1179->1427e (plenary)26.247:- 5GMS3: 1205&1206->1428&1429->1503&1504->1516&1517a (plenary)~~1154~~, ~~1157~~ |
| 8.6 | SR\_MSE (Split Rendering Media Service Enabler) | 26.565:- Transport protocol: 1190->1449a- Output format: 1191n- Prerequisites: 1192->1450n- Rendering Optimization: 1193->1451->1518a- Media Capabilities: 1207->1432a- Metrics: 1324a- Architecture: 1325->1434a- RTC-interfaces: 1326n, 1328nTP : 1519 (plenary)TS : 1520 (plenary)~~1373, 1382~~ |
| 8.7 | PROMISE (5G-Advanced media profiles for messaging services) | 26.143: 1131->1444a (plenary)3D: 1183a26.140: 1184m (1446), 1339->1446->1556e (plenary)Disc.: 1213aTP: 1341->1447 (plenary)LS (to GSMA - Fred): 1448->1448a (plenary)LS (to MPEG - Thomas): 1437 (plenary)~~1129~~, ~~1130~~ |
| 8.8 | 5GMS\_Pro\_Ph2 (5G Media Streaming Protocols Phase 2) | 26.512:- Service URL: 1161e, 1209->1464e- Event exposure APIs: 1162->1465e- NA: 1169->1466e, 1170->1467e- Background Data Transfer: 1194e- Low latency: 1210->1469e- 5GMS over MBS: 1211->1470e- Multiple media service entry: 1212->1471e, 1255->1472e- Uplink streaming: 1243->1477e- HTTP/3: 1248->1479->1511e- Traffic Identification: 1359->1473eTP: 1208->1480->1509->1525a (plenary) |
| 8.9 | FS\_MS\_NS\_Ph2 (Study on Media Streaming aspects of Network Slicing Phase 2) | Key Issue on Bootstrapping: 1264->1486aCollaboration Options: 1265->1487aTR: 1267->1555 (plenary)TP: 1268->1526a (plenary) |
| 8.10 | Other Rel-18 matters including TEI | 26.501:- 5GMS\_Ph2: 1151a (plenary), 1152a (plenary), 1153->1423a (Plenary), 1314->1414->1512a (plenary)RvQoE:- DP: 1302n- 26.247: 1303n- LS: 1304->1527 (plenary)26.531/EVEX: 1167 -> 1492a (plenary)26.532/EVEX: 1168 -> 1493a (plenary) |
| 8.11 | New Work / New Work Items and Study Items | 5GMS: 1204n |
| 8.12 | Review of the future work plan (next meeting dates, hosts) | 3GPP SA4 MBS SWG Telco (October 12, 2023, 15:30 – 17:30 CEST, Host Qualcomm)3GPP SA4 MBS SWG Telco (October 26, 2023, 15:30 – 17:30 CEST, Host Qualcomm) – joint session with 5G-MAG (15:30-16:30)3GPP SA4 MBS SWG Telco (November 2, 2023, 15:30 – 17:30 CET, Host Qualcomm) – with power to approve replies to potential incoming LSs relative to MBS SWG A.I. |
| 8.13 | Any Other Business |  |
| 8.14 | Close of the session |  |

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

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

# Annex C - SWG Tdoc status

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **Agenda item sort order** | **MBS Agenda item** | **Plenary Agenda item** | **TDoc Status** | **Revised to** |
| S4-230975 | [5MBP3] General Updates and Corrections | Qualcomm Incorporated | 31 | 8.5 |  | endorsed |  |
| S4-231001 | [5MBP3] Correction of parameter usage for Byte Range Object Repair | Ericsson LM | 31 | 8.5 |  | endorsed |  |
| [**S4-230925**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230925.zip) | [SR\_MSE] On SR configuration API and view configuration | Xiaomi Communications | 32 | 8.6 |  | **agreed** |  |
| S4-231003 | [SR\_MSE] pCR on signaling for SR session control | Qualcomm Incorporated | 32 | 8.6 |  | agreed |  |
| S4-231004 | [SR\_MSE] SR Rendering API | Qualcomm CDMA Technologies | 32 | 8.6 |  | agreed |  |
| S4-231005 | [SR\_MSE] Pixel Streaming Media Profile | Qualcomm CDMA Technologies | 32 | 8.6 |  | agreed |  |
| [**S4-230813**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230813.zip) | [FS\_SmarTAR] Key Issue #5: Compute distribution across UE and network for tethered glasses | Qualcomm incorporated | 34 | 8.8 |  | **agreed** |  |
| [**S4-230820**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230820.zip) | [FS\_SmarTAR] Proposed Finalization of TR | Qualcomm Tech. Netherlands B.V | 34 | 8.8 |  | **agreed** |  |
| [**S4-230853**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230853.zip) | General corrections and editorial modifications | Nokia | 34 | 8.8 |  | **agreed** |  |
| S4-231021 | Call flows for standalone AR glasses-based device architecture | Nokia | 34 | 8.8 |  | agreed |  |
| [**S4-231029**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-231029.zip) | [FS\_SmarTAR] Methods for achieving desired end-to-end packet error rate and bit rate | Qualcomm Technologies Ireland | 34 | 8.8 |  | **agreed** |  |

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **Agenda item sort order** | **MBS Agenda item** | **Plenary Agenda item** | **TDoc Status** | **Revised to** |
| [**S4-230868**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230868.zip) | Reply LS on alignment of activities on UE data collection, reporting and event exposure | BBC, Qualcomm Incorporated | 29 | 8.3 | 5.2 | **agreed** |  |
| [**S4-230789**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230789.zip) | Corrections to references | Dolby Laboratories Inc. | 31 | 8.5 | 13 | **agreed** |  |
| [**S4-230790**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230790.zip) | Corrections to references | Dolby Laboratories Inc. | 31 | 8.5 | 13 | **agreed** |  |
| S4-230964 | [5GMSA, TEI17] Feature description | BBC | 31 | 8.5 | 13 | agreed |  |
| S4-230967 | [5GMSA] Feature description | BBC | 31 | 8.5 | 13 | agreed |  |
| S4-230968 | [5GMS3, TEI17] Rel-17 corrections | BBC | 31 | 8.5 | 13 | agreed |  |
| S4-230973 | [EVEX] Data Reporting Configuration Inclusion of Data Sampling Rules and Data Reporting Rules | Qualcomm Incorporated, BBC | 31 | 8.5 | 13 | agreed |  |
| S4-230974 | [5MBP3] Manifest format for Object Collection and Carousel | Nokia, BBC, Ericsson | 31 | 8.5 | 13 | agreed |  |
| S4-230976 | [5GMS3] Rel-16 corrections | BBC | 31 | 8.5 | 13 | agreed |  |
| S4-231040 | [5MBUSA] Object Distributuion Method and notification event corrections | Ericsson LM, BBC, Nokia | 31 | 8.5 | 13 | agreed |  |
| S4-231041 | Security mechanisms for MBS traffic | Huawei, HiSilicon, BBC, Ericsson LM | 31 | 8.5 | 13 | agreed |  |
| [**S4-230769**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230769.zip) | [5GMS\_Ph2] 5GMS AS configuration via M3 | BBC | 33 | 8.7 | 14.10 | **agreed** |  |
| S4-230981 | [5GMS\_Ph2] Multiple-manifest: Improvements on the multiple manifest downlink streaming call flow | Tencent Cloud | 33 | 8.7 | 14.10 | agreed |  |
| S4-230982 | [5GMS\_Ph2] Uplink Streaming: editorial correction | Tencent Cloud | 33 | 8.7 | 14.10 | agreed |  |
| S4-230984 | [5GMS\_Ph2] Data collection for ANBR-based NA | Sony Europe B.V., BBC | 33 | 8.7 | 14.10 | agreed |  |
| S4-230986 | [5GMSA\_Ph2] 5GMS over 5MBS | Qualcomm Incorporated, BBC, Tencent, Ericsson | 33 | 8.7 | 14.10 | agreed |  |
| S4-231018 | [5GMS\_Ph2] Work Item Summary | Tencent Cloud | 33 | 8.7 | 14.10 | endorsed |  |
| S4-230934 | [FS\_MS\_NS\_Ph2] Proposed Updated Time and Work Plan | Samsung Electronics Benelux BV | 35 | 8.9 | 15.5 | agreed |  |
| S4-231048 | LS on network slice replacement procedure | Samsung Electronics Benelux BV | 35 | 8.9 | 15.5 | agreed |  |
| [**S4-230852**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230852.zip) | [5GMS\_Pro\_Ph2] Draft Work Plan | Qualcomm Tech. Netherlands B.V | 38 | 8.12 | 17 | **agreed** |  |

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **Agenda item sort order** | **MBS Agenda item** | **Plenary Agenda item** | **TDoc Status** | **Revised to** |
| [**S4-230771**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230771.zip) | [5GMS3] Rel-17 corrections | BBC | 31 | 8.5 |  | **revised** | [**S4-230968**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452220) |
| [**S4-230777**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230777.zip) | [EVEX] Data Reporting Configuration Inclusion of Data Sampling Rules and Data Reporting Rules | Qualcomm Incorporated, BBC | 31 | 8.5 |  | **revised** | [**S4-230973**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452228) |
| [**S4-230803**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230803.zip) | [5MBP3] General Updates and Corrections | Qualcomm Incorporated | 31 | 8.5 |  | **revised** | [**S4-230975**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452249) |
| [**S4-230869**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230869.zip) | [5MBP3] Manifest format for Object Collection and Carousel | Nokia, BBC, Ericsson | 31 | 8.5 |  | **revised** | [**S4-230974**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452232) |
| [**S4-230870**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230870.zip) | Correction on length of FSA ID | Huawei, HiSilicon | 31 | 8.5 |  | **noted** |  |
| [**S4-230873**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230873.zip) | Security mechanisms for MBS traffic | Huawei, HiSilicon | 31 | 8.5 |  | **revised** | [**S4-230969**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452224) |
| [**S4-230889**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230889.zip) | [5MBUSA] Object Distributuion Method and notification event corrections | Ericsson LM, BBC, Nokia | 31 | 8.5 |  | **revised** | [**S4-230970**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452225) |
| S4-230906 | [5GMSA] Feature description and dynamic policies for low-latency media streaming | Qualcomm Incorporated, BBC, Tencent | 31 | 8.5 |  | withdrawn |  |
| [**S4-230907**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230907.zip) | [5GMSA] Feature description | BBC | 31 | 8.5 |  | **revised** | [**S4-230964**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452216) |
| [**S4-230908**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230908.zip) | [5GMSA] Feature description | BBC | 31 | 8.5 |  | **revised** | [**S4-230967**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452219) |
| S4-230969 | Security mechanisms for MBS traffic | Huawei, HiSilicon | 31 | 8.5 |  | revised | [**S4-231041**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452680) |
| S4-230970 | [5MBUSA] Object Distributuion Method and notification event corrections | Ericsson LM, BBC, Nokia | 31 | 8.5 |  | revised | [**S4-231040**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452678) |
| [**S4-230788**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230788.zip) | [SR\_MSE] Architecture improvements and alignment | Tencent Cloud | 32 | 8.6 |  | **noted** |  |
| [**S4-230796**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230796.zip) | [SR\_MSE] General updates to TS26.565 | Qualcomm CDMA Technologies | 32 | 8.6 |  | **revised** | [**S4-230978**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452262) |
| [**S4-230797**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230797.zip) | [SR\_MSE] Pixel Streaming Media Profile | Qualcomm CDMA Technologies | 32 | 8.6 |  | **revised** | [**S4-231005**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452458) |
| [**S4-230798**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230798.zip) | [SR\_MSE] SR Rendering API | Qualcomm CDMA Technologies | 32 | 8.6 |  | **revised** | [**S4-231004**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452457) |
| [**S4-230799**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230799.zip) | [SR\_MSE] pCR on signaling for SR session control | Qualcomm Incorporated | 32 | 8.6 |  | **revised** | [**S4-231003**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452452) |
| [**S4-230892**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230892.zip) | [SR\_MSE] Correction of the architecture | Ericsson GmbH, Eurolab | 32 | 8.6 |  | **noted** |  |
| S4-230978 | [SR\_MSE] General updates to TS26.565 | Qualcomm CDMA Technologies | 32 | 8.6 |  | reserved | [**S4-231075**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452850) |
| [**S4-230770**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230770.zip) | [5GMS\_Ph2] Feature description and dynamic policies for low-latency media streaming | Qualcomm Incorporated, BBC, Tencent | 33 | 8.7 |  | **revised** | [**S4-230979**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452272) |
| [**S4-230785**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230785.zip) | [5GMS\_Ph2] Multiple-manifest: Improvements on the multiple manifest downlink streaming call flow | Tencent Cloud | 33 | 8.7 |  | **revised** | [**S4-230981**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452277) |
| [**S4-230787**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230787.zip) | [5GMS\_Ph2] Uplink Streaming: editorial correction | Tencent Cloud | 33 | 8.7 |  | **revised** | [**S4-230982**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452278) |
| [**S4-230806**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230806.zip) | [5GMS\_Ph2] Data collection for ANBR-based NA | Sony Europe B.V. | 33 | 8.7 |  | **revised** | [**S4-230984**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452283) |
| [**S4-230814**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230814.zip) | [5GMS\_Ph2] Service URL Handling | Qualcomm Incorporated, BBC | 33 | 8.7 |  | **revised** | [**S4-230985**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452286) |
| [**S4-230815**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230815.zip) | [5GMSA\_Ph2] 5GMS over 5MBS | Qualcomm Incorporated, BBC, Tencent, Ericsson | 33 | 8.7 |  | **revised** | [**S4-230986**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452290) |
| [**S4-230860**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230860.zip) | [5GMS\_Ph2] Service URL Handling clarifications | Tencent | 33 | 8.7 |  | **merged** |  |
| [**S4-230861**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230861.zip) | [5GMSA\_Ph2] Dynamic policies service points for uplink streaming | Tencent Cloud | 33 | 8.7 |  | **merged** |  |
| [**S4-230887**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230887.zip) | [5GMS\_Ph2] Network Assistance feature for throughput prediction | Nokia | 33 | 8.7 |  | **noted** |  |
| [**S4-230888**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230888.zip) | [5GMS\_Ph2] Network Assistance API for throughput prediction | Nokia | 33 | 8.7 |  | **noted** |  |
| [**S4-230819**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230819.zip) | [FS\_SmarTAR] Editor's Proposed Updates | Qualcomm Tech. Netherlands B.V | 34 | 8.8 |  | **revised** | [**S4-231024**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452535) |
| [**S4-230847**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230847.zip) | [FS\_SmarTAR] Methods for achieving desired end-to-end packet error rate and bit rate | Qualcomm Technologies Ireland | 34 | 8.8 |  | **revised** | [**S4-231029**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452625) |
| [**S4-230854**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230854.zip) | Call flows for standalone AR glasses-based device architecture | Nokia | 34 | 8.8 |  | **revised** | [**S4-231021**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452531) |
| [**S4-230871**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230871.zip) | Candidate solution for network slice migration when multiple slices provisioned | Huawei, HiSilicon | 35 | 8.9 |  | **noted** |  |
| [**S4-230927**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230927.zip) | [FS\_MS\_NS\_Ph2] Survey of Network Operators on Network Slicing | Samsung Electronics Benelux BV | 35 | 8.9 |  | **noted** |  |
| [**S4-230928**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230928.zip) | [FS\_MS\_NS\_Ph2] Key Issue #3: Moving media flows to other slices | Samsung Research America | 35 | 8.9 |  | **noted** |  |
| [**S4-230929**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230929.zip) | [FS\_MS\_NS\_Ph2] Key Issue on impact of Network Slice data rate limitations on media streaming procedures | Samsung Electronics Benelux BV | 35 | 8.9 |  | **noted** |  |
| [**S4-230930**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230930.zip) | [FS\_MS\_NS\_Ph2] Key Issue on Slice selection for M5 requests | Samsung Research America | 35 | 8.9 |  | **noted** |  |
| [**S4-230932**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230932.zip) | [FS\_MS\_NS\_Ph2] Issues for consideration in FS\_MS\_NS\_Ph2 study | Samsung Electronics Benelux BV | 35 | 8.9 |  | **noted** |  |
| S4-230933 | [FS\_MS\_NS\_Ph2] Draft TR 26.941 v0.6.0 | Samsung Electronics Benelux BV | 35 | 8.9 |  | withdrawn |  |
| [**S4-230938**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230938.zip) | LS on network slice replacement procedure | Samsung Electronics Benelux BV | 35 | 8.9 |  | **revised** | [**S4-231037**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452668) |
| S4-231037 | LS on network slice replacement procedure | Samsung Electronics Benelux BV | 35 | 8.9 |  | revised | [**S4-231048**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452705) |
| [**S4-230816**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230816.zip) | New WID for 5G Media Streaming Protocols Phase 2 | Qualcomm incorporated, Tencent, Orange, BBC, Sony Europe B.V., Dolby Laboratories, Inc., AT&T | 36 | 8.10 |  | **revised** | [**S4-231012**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452504) |
| [**S4-230857**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_124_Berlin/Docs/S4-230857.zip) | Discussion buffer level threshold-based RVQoE reporting | Apple | 36 | 8.10 |  | **noted** |  |

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **Agenda item sort order** | **MBS Agenda item** | **Plenary Agenda item** | **TDoc Status** | **Revised to** |
| S4-231052 | SR\_MSE Time Plan v0.5.0 | Rapporteur | 32 | 8.6 | 14.8 | reserved |  |
| S4-231053 | Draft TS 26.565 v0.4.0 | Qualcomm Incorporated | 32 | 8.6 | 14.8 | reserved |  |
| S4-230979 | [5GMS\_Ph2] Feature description and dynamic policies for low-latency media streaming | Qualcomm Incorporated, BBC, Tencent | 33 | 8.7 | 14.10 | reserved | [**S4-231089**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452944) |
| S4-230985 | [5GMS\_Ph2] Service URL Handling | Qualcomm Incorporated, BBC | 33 | 8.7 | 14.10 | reserved | [**S4-231076**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1452852) |
| S4-231024 | TR 26.806 v1.3.0 | Qualcomm Tech. Netherlands B.V | 34 | 8.8 | 15.4 | reserved |  |
| S4-231012 | New WID for 5G Media Streaming Protocols Phase 2 | Qualcomm Incorporated, Tencent, Orange, BBC, Sony Europe B.V., Dolby Laboratories, Inc., AT&T, HuaWei Technologies Co., Ltd, Ericsson | 37 | 8.11 | 17 | reserved |  |
| S4-231051 | LS on data collection and reporting in TS 26.501 | Sony Group Corporation | 87 | 8.7 | 14.10 | reserved |  |

1. **Frédéric Gabin**

   E-mail: frederic.gabin@dolby.com

   Tel (mobile): +33 678 44 85 75

   Mailing Address: Dolby France, 18 rue de Londres, 75009 Paris, France [↑](#footnote-ref-1)