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

**Title: 3GPP SA4 MBS SWG report at SA4#108-e**

**Document for: Approval**

**Agenda item: 13.2**

MBS SWG Minutes during SA4#108-e

## 8.1 Opening of the session

The MBS SWG email discussions started on Thursday 02 April at 1618 CEST.

MBS SWG Telcos are on:

* Monday 6 April 1800-1900 CEST
* Tuesday 7 April 1800-2000 CEST
* Wednesday 8 April 1400-1530 CEST

Mr. Frédéric Gabin (Ericsson, Chairman of MBS SWG) opens the telco sessions on April 6 at 1800 CEST.

Scribes: Lucia and Paul volunteered.

## 8.2 Registration of documents

The following documents were allocated

|  |  |  |
| --- | --- | --- |
| 8.1 | Opening of the session |  |
| 8.2 | Registration of documents |  |
| 8.3 | Reports/Liaisons from other groups/meetings | 533 (CTA)  538 (DVB TM-Mcast) |
| 8.4 | Issues for immediate consideration |  |
| 8.5 | CRs to features in Release 15 and earlier |  |
| 8.6 | CRs to completed features in Release 16 | 5GMSA: 539, 541, 591, 512->594, 593, 601, 568->597, 572, 575, 576, 590, 594, 602  MC\_XMB: 579-> (wednesday)  TEI16: 580-> (wednesday) |
| 8.7 | 5GMS3 (5G Media Streaming stage 3) | TP: 600 (telco)  26.512: 509, 511, 513, 514, 540, 542, 553, 554, 573, 574, 577, 588, 611,  26.511: 510, 522, 555, 556, 557, |
| 8.8 | FS\_5GMS\_Multicast (Feasibility Study on Multicast Architecture Enhancements for 5GMSA) | TP: 598  26.802: 612 |
| 8.9 | FS\_XRTraffic (Feasibility Study on Typical Traffic Characteristics for XR Services and other Media) | TP: 563  26.925: 564 |
| 8.10 | FS\_EMSA (Feasibility Study on Streaming Architecture extensions For Edge processing) | TP: 545nt  26.803: 544, 596 |
| 8.11 | New Work / New Work Items and Study Items |  |
| 8.12 | Others including TEI |  |
| 8.13 | Review of the future work plan (next meeting dates, hosts) |  |
| 8.14 | Any Other Business |  |
| 8.15 | Close of the session |  |

## 8.3 Reports/Liaisons from other groups/meetings

|  |  |  |
| --- | --- | --- |
| [**S4-200533**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200533.zip) | Common Media Client Data CTA-5004 (community review) | Consumer Technology Association’s WAVE |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200533** is noted/approved/agreed/revised…

|  |  |  |
| --- | --- | --- |
| [**S4-200538**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200538.zip) | Liaison to 3GPP SA4  PHASE 1 TECHNICAL SPECIFICATION ON ABR MULTICAST | DVB Technical Module, TM-Mcast |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200538** is noted/approved/agreed/revised...

## 8.4 Issues for immediate consideration

none

## 8.5 CRs to Features in Release 15 and earlier

none

## 8.6 CRs to completed features in Release 16

5GMSA

|  |  |  |
| --- | --- | --- |
| [**S4-200539**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200539.zip) | CR on Domain Model for Uplink Streaming | Qualcomm India Pvt Ltd |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200539** is noted/approved/agreed/revised…

|  |  |  |
| --- | --- | --- |
| [**S4-200541**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200541.zip) | Corrections to Stage 2 Ingest Configuration Procedures | Qualcomm India Pvt Ltd |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200541** is noted/approved/agreed/revised…

|  |  |  |
| --- | --- | --- |
| [**S4-200591**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200591.zip) | Corrections and clarifications for consumption reporting | Tencent |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200591** is noted/approved/agreed/revised…

|  |  |  |
| --- | --- | --- |
| [**S4-200594**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200594.zip) | Add sample percentage to 5GMSA stage 2 Consumption Reporting | BBC |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200594** is agreed

|  |  |  |
| --- | --- | --- |
| [**S4-200593**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200593.zip) | Network assistance provided by 5GMSu AF | Tencent |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200593** is noted/approved/agreed/revised…

|  |  |  |
| --- | --- | --- |
| [**S4-200601**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200601.zip) | 5GMSA Network Assistance | Sony Europe B.V. |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200601** is noted/approved/agreed/revised…

|  |  |  |
| --- | --- | --- |
| [**S4-200597**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200597.zip) | Rename Ingest Session Configuration as Content Hosting Configuration | BBC |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200597** is noted/approved/agreed/revised…

|  |  |  |
| --- | --- | --- |
| [**S4-200572**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200572.zip) | Correction of Provisioning Session Concept | Ericsson LM, BBC |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200572** is noted/approved/agreed/revised…

|  |  |  |
| --- | --- | --- |
| [**S4-200575**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200575.zip) | Discussion of Multi-MNO Distribution Scenario | Ericsson LM |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200575** is noted/approved/agreed/revised…

|  |  |  |
| --- | --- | --- |
| [**S4-200576**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200576.zip) | Collaboration Model: Multi-MNO Distribution | Ericsson LM |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200576** is noted/approved/agreed/revised…

|  |  |  |
| --- | --- | --- |
| [**S4-200590**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200590.zip) | Corrections on network slicing | Tencent |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200590** is noted/approved/agreed/revised…

|  |  |  |
| --- | --- | --- |
| [**S4-200594**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200594.zip) | Add sample percentage to 5GMSA stage 2 Consumption Reporting | BBC |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200594** is noted/approved/agreed/revised…

|  |  |  |
| --- | --- | --- |
| [**S4-200602**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200602.zip) | 5GMSA Remote Control | Sony Europe B.V., Ericsson LM |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200602** is noted/approved/agreed/revised…

MC\_XMB

|  |  |  |
| --- | --- | --- |
| [**S4-200579**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200579.zip) | Correction on xMB for MCData | Ericsson LM |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200579** is noted/approved/agreed/revised…

TEI16

|  |  |  |
| --- | --- | --- |
| [**S4-200580**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200580.zip) | Correction on Annex L.4 (MBMS Download Profile) | Ericsson LM |

**Presenter:**

**Discussion:**

**Decision:**

**S4-200580** is noted/approved/agreed/revised…

## 8.7 5GMS3 (5G Media Streaming stage 3)

|  |  |  |
| --- | --- | --- |
| [**S4-200611**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200611.zip) | Procedure for the OpenAPI implementation of the 5GMS APIs | Qualcomm Inc |

**Presenter: Imed Bouazizi**

**Discussion:**

* Richard: the document to be created, is it for later releases, meaning later than rel-16?
* Imed: we can create a permanent document. Once we think it is in a good shape we can create a quick Work or Study item for a TR/TS. For now (rel-16) we rely on what is in TS 26.512.
* Thorsten: at some point we should merge this with CT3/4 and SA5 folders. it would be good if these other groups can review these APIs. it would be good to plan from the beginning that we are structuring the APIs so that it is easy to merge with the CT / SA5 docs. suggestion to revisit this in June. proposal: start with own repository, but review decision in June, and lets immediately apply the same structure as CT groups in case we decide to merge
* Imed agrees
* Fred: should this agreement be reflected in Section 2 of the document?
* Imed: yes it will be done
* Thorsten: question. we will need to ask for repository and certain structure needs to be copied according to CT approach
* Imed: will contact ETSI to ask
* Thomas is finally heard: why would we need a new work item?
* Fred asks Imed to clarify
* Imed: there will be some normative parts, etc. how to do error handling. idea is to create a common TS or TR that we can reference. but we can start with a permanent document for now and then upgrade to a TS or TR. whether this will happen in rel-16 he has some doubts
* Thomas: why don't we create an Annex?
* Fred thinks its a good idea
* Imed: that is maybe one way, but we have APIs everywhere, so there has to be a common document at some point
* Cedric: you can use comments in the Swagger tool for the APIs
* Imed: should document how to make use of the comments. no immediate answer
* Cedric: will we have something similar for M6d or M7d?
* Imed: everything that has an end point, but does not think it applies to M6d or M7d. what to do with these interfaces is a good question that needs to be dealt with anyways. but doesnt think should be REST APIs
* Thorsten: on error handling there was discussion, and he suggests aligning with CT3. lets use as much as possible data types introduced by them
* Imed agrees
* Fred: asks if the doc can be directly added to the Annex skipping the step of a revision of this doc
* Richard: if we want to put it in the Annex then maybe we would need a bit more than just this document
* Imed: if we decide for the Annex then pCR will have more formal text
* Fred: can we draft a pCR already this week or not?
* Thomas: every decision we are taking today should be documented in some way, even putting text in brackets if needed. lets move on
* Imed: can prepare a pCR if he gets tdoc
* Fred: agreeing in principle is risky
* Thorsten: revise this document and start a document on how to document and so on
* Imed: what we send to ETSI is a very simple request of creating a folder

**Decision:**

* agreed

**S4-200611** is agreed and revised in 620 (revision of this doc) and then a pCR will be created in 621

|  |  |  |
| --- | --- | --- |
| [**S4-200600**](http://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_108-e/Docs/S4-200600.zip) | Work Plan for 5GMS3 v0.10 | Sony Europe B.V. |

**Presenter: Paul Szucs**

**Discussion:**

* Paul: shall we confirm the telco dates first
* Fred: we discussed to increase the number of telcos in between meetings
* Fred: no objections with the dates so these are agreed
* Paul: the request to get the ETSI folder
* Thomas: the way of proceeding is different whether we go for an exception or not. if we agree on the exception we should make this as one of the first decisions at 109e meeting
* Thorsten: exception is designed in such a way that we can check at the next meeting we will check are we done or not
* Fred: add the following note at SA4 109 : if an exception is to be requested then decide early at the beginning of the meeting
* Thomas; he agrees if we agree that it is very likely that we will need the exception. he doesnt understand why we are hiding now that we will have an exception
* Richard: agrees with Thomas, since everyone agrees that we will need it. what happens if SA plenary says “no” to this request?
* Fred: then our work may be ending up to be part of rel-17. fallback could be rescoping rel-17 so that part stays in rel-16 and part goes to rel-17
* Thorsten: can we add the plan of merging the APIs to the CT APIs?

**Decision:**

* we expect exception to be requested. decision will be taken as early as possible in SA4 109e

**S4-200580** is revised to 622

## 8.8 FS\_5GMS\_Multicast (Feasibility Study on Multicast Architecture Enhancements for 5GMSA)

## 8.9 FS\_XRTraffic (Feasibility Study on Typical Traffic Characteristics for XR Services and other Media)

## 8.10 FS\_EMSA (Feasibility Study on Streaming Architecture extensions For Edge processing)

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

## 8.12 Others including TEI

None

## 8.13 Review of the future work plan

## 8.14 Any Other Business

None

## 8.15 Close of the session

The chairman thanked the delegates and closed the session at 1332 on 23rd January.

## 

## Annex A: Attendees

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME LAST** | **FIRST** | **COMPANY** | **Attended** |
| Stockhammer | **Thomas** | **Qualcomm Incorporated** | yes |
| Teniou | **Gilles** | **Orange** | yes |
| Gabin | **Frédéric** | **Ericsson** | yes |
| Thienot | **Cedric** | **Enensys** | Yes |
| Heikkilä | **Gunnar** | **Ericsson** | Yes |
| Bouazizi | **Imed** | **Qualcomm Incorporated** |  |
| Singer | **David** | **Apple** |  |
| Lo | **Charles** | **Qualcomm Incorporated** |  |
| Lohmar | **Thorsten** | **Ericsson** | yes |
| Oyman | **Ozgur** | **Intel** |  |
| Szucs | **Paul** | **Sony Corporation** | yes |
| D’Acunto | **Lucia** | **KPN** | Yes |
| Hamza | **Ahmed** | **InterDigital Communications** |  |
| Singh | **Gurdeep** | **Fraunhofer HHI** | yes |
| Oh | **Sejin** | **LG Electronics Inc.** |  |
| Huang | **Cheng** | **ZTE Corporation** |  |
| Curcio | **Igor** | **Nokia Corporation** |  |
| Ahsan | **Saba** | **Nokia Corporation** |  |
| Sodagar | **Iraj** | **Tencent America** | yes |
| Kleinrouweler | **Jan Willem** | **KPN** | yes |
| Döhla | **Stefan** | **Fraunhofer IIS** | yes |
| Champel | **Mary-Luc** | **XiaoMi** | yes |
| Joel | **Kim** | **Facebook** |  |
| Yee Sin | **Chan** | **Facebook** |  |
| Hu | **James** | **AT&T** |  |
| Lee | **Brian** | **Dolby** | yes |
| Feiten | **Bernhard** | **Deutsche Telekom** |  |
| Yong | **He** | **InterDigital** |  |
| Tan | **Peng** | **TELUS** |  |
| GU | **XIAOJUN** | **HUAWEI** |  |
| Raulet | **Mickael** | **ATEME** |  |
| Wang | **Yufei** | **China Mobile** |  |
| Sanders | **Peter** | **one2many** |  |
| Bradbury | **Richard** | **BBC Research & Development** | yes |
| Thienot | **Cedric** | **Enensys** | yes |
| Gül | **Serhan** | **Fraunhofer HHI** |  |
| Han | **Jaeshin** | **LG Electronics** | yes |
| Yang | **Hyun-Koo** | **Samsung Electronics** | yes |
| Song | **Jaeyeon** | **Samsung Electronics** |  |
| Goldrei | **Simon** | **Apple** | yes |
| Daniel | **Jérôme** | **Orange** |  |
| Fourdeux | **Henri** | **InterDigital** | Yes |
| Dillen | **Paul** | **Philips** |  |
| Biatek | **Thibaud** | **Ateme** | yes |
| Saha | **Jayeeta** | **MCC** | yes |
| ? | **Lin** | **China Mobile** | yes |
| Zhou | **JiaJiun** | **China Mobile** | yes |
| Xu | **Song** | **China Mobile** | yes |
| Feiten | **Bernhard** | **Deutsche Telekom** | yes |
| Berndtsson | **Gunilla** | **Ericsson LM** | yes |
| Yidan | **Teng** | **Huawei** | yes |
| Houdaille | **Rémy** | **InterDigital** | yes |
| Morita | **Naotaka** | **NTT** | yes |
| Ed | **O’Leary** | **Rogers** | yes |
| Choi | **Kiho** | **Samsung** | yes |
| Jun | **Kyunghun** | **Samsung** | yes |
| Budagavi | **Madhukar** | **Samsung** | yes |
| Kolan | **Prakash** | **Samsung** | yes |
| Joshi | **Rajan** | **Samsung** | yes |
| Hakju Lee | **Ryan** | **Samsung** | yes |
| Isberg | **Peter** | **Sony** | yes |
| Gibellino | **Diego** | **Telecom Italia** | yes |
| Abhishek | **Rohit** | **Tencent** | yes |
| Zhang | **Zhuoyun** | **Tencent** | yes |
|  |  |  |  |

**Annex B: Final agenda**

**Annex C - Documents status**

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

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

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

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

1. **M. Frédéric Gabin, Ericsson**

   [**Frédéric.gabin@ericsson.com**](mailto:frederic.gabin@ericsson.com)

   **M: +33 6 78 44 85 75** [↑](#footnote-ref-1)