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

**Title: 3GPP SA4 MBS SWG report at SA4#110-e**

**Document for: Approval**

**Agenda item: 13.2**

MBS SWG Minutes during SA4#110-e

## 8.1 Opening of the session

The MBS SWG email discussions started on Thursday 20 August at 06:48:07 CEST.

MBS SWG Telcos are on:

* Friday 21 August 0600-0730 CEST
* Monday 24 August 2100-2230 CEST
* Monday 24 August 2100-2230 CEST
* Tuesday 25 August 2100-2230 CEST
* Wednesday 26 August 1430-1600 CEST

Mr. Frédéric Gabin (Dolby Laboratories Inc., Chairman of MBS SWG) opens the telco sessions on August 21 at 0600 CEST.

This document was shared [online](https://docs.google.com/document/d/19SemLuE_PLlK-sqab6Pn0UK9m_VAVcpjcOUo0c6apxU/edit?usp=sharing).

Scribes:

* Charles Lo (Qualcomm)
* Richard Bradbury (BBC)
* Julien Lemotheux (Orange)

Thomas added the e-mail discussion. Details are here

* <https://list.etsi.org/scripts/wa.exe?A1=ind2008C&L=3GPP_TSG_SA_WG4_MBS>
* <https://list.etsi.org/scripts/wa.exe?A1=ind2008D&L=3GPP_TSG_SA_WG4_MBS>

Latest Timestamp: Thu, 27 Aug 2020 14:47:09 +0000

## 8.2 Registration of documents

The following documents were allocated at the start of the MBS online session, August 21, 2020

|  |  |  |
| --- | --- | --- |
| **8** | **Multicast-Broadcast-Streaming (MBS) SWG** |  |
| 8.1 | Opening of the session |  |
| 8.2 | Registration of documents | **1119 (CTA/WAVE)** |
| 8.3 | Reports/Liaisons from other groups/meetings |  |
| 8.4 | Issues for immediate consideration | **1005** |
| 8.5 | CRs to features in Release 15 and earlier |  |
| 8.6 | CRs to completed features in Release 16 | **26.501: 1055, 1058, 1059a, 1097->xxxx** |
| 8.7 | 5GMS3 (5G Media Streaming stage 3) | **26.512: 1002->1092a, 1003a, 1004a, 1035a, 1050a, 1051, 1052, 1056, 1060, 1070, 1071, 1073, 1074, 1093, 1114, 1140**  **1033, 1036, 1076, 1034**  **26.247: 1072**  **26.511: 1075**  **WIS: 1094** |
| 8.8 | FS\_5GMS\_Multicast (Feasibility Study on Multicast Architecture Enhancements for 5GMSA) | **26.802: 1095->1137a, 1085, 1086, 1158**  **TP: 1141** |
| 8.9 | FS\_EMSA (Feasibility Study on Streaming Architecture extensions For Edge processing) | **26.803: 1029a**  **1156**  **TP: 1030**  **1031, 1037, 1038, 1039, 1040, 1063, 1064, 1087, 1135->1136, 1138, 1144,**  **1032** |
| 8.10 | New Work / New Work Items and Study Items |  |
| 8.11 | Others including TEI1144 |  |
| 8.12 | Review of the future work plan (next meeting dates, hosts) |  |
| 8.13 | Any Other Business |  |
| 8.14 | Close of the session |  |

Comments/questions on TDoc allocation:

* Thorsten: Do YAML files need to be frozen by December?
* Fred: No, we need to freeze the code in September (or else request an exception).
* Imed: Trouble uploading S4-201033 by the deadline. Just a resubmission from earlier.
* Fred: Technically a late submission, but may be able to grant an exception if it is essential to the 5GMS3 work item.

The summary of the TDOC disposition after the MBS SWG is provided below

|  |  |  |
| --- | --- | --- |
| 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 | 1119n (CTA/WAVE) |
| 8.4 | Issues for immediate consideration | 1005n |
| 8.5 | CRs to features in Release 15 and earlier |  |
| 8.6 | CRs to completed features in Release 16 | 26.501: 1055n, 1058n, 1218a (plenary), 1059a (plenary), 1097->1209->1224a (plenary) |
| 8.7 | 5GMS3 (5G Media Streaming stage 3) | 26.512: 1002->1092a, 1211 (plenary), 1003->1210a, 1004a, 1035->1212a, 1050->1208a, 1051->1219->1228->1266 (plenary), 1220->1229->1274a, 1052->1213a, 1056->1270->1271a, 1060n, 1071->1215->1230a, 1070m (1217), 1073->1217->1231a, 1074->1221a, 1093->1232 (plenary), 1114a, 1140->1225a1033m (1266), 1036n, 1076n, 1034n26.247: 1072->1216->1222->1260a (plenary)26.511: 1075->1214->1223->1261a (plenary)WIS: 1094->1226->1262e (plenary)TP: 1267 (plenary) |
| 8.8 | FS\_5GMS\_Multicast (Feasibility Study on Multicast Architecture Enhancements for 5GMSA) | 26.802: 1095->1137a, 1085->1268 (plenary), 1086->1272 (plenary), 1158nTP: 1141->1227->1263a (plenary) |
| 8.9 | FS\_EMSA (Feasibility Study on Streaming Architecture extensions For Edge processing) | 26.803: 1029a, 1269 (plenary)~~1156~~TP: 1030->1264 (plenary)1031a, 1037n, 1038a, 1039n, 1040n, 1063pa, 1064n, 1087a, 1135->1136->1265 (plenary), 1138a, 1144pa,1032n |
| 8.10 | New Work / New Work Items and Study Items |  |
| 8.11 | Others including TEI |  |
| 8.12 | Review of the future work plan (next meeting dates, hosts) |  |
| 8.13 | Any Other Business |  |
| 8.14 | Close of the session |  |

## 8.3 Reports/Liaisons from other groups/meetings

|  |  |  |
| --- | --- | --- |
| S4-201119 | Common Media Data Client Specification | CTA WAVE |

**E-mail Discussion:**

**Presenter: Thomas Stockhammer (Qualcomm)**

* SA4 is just in cc.
* Requests SA4 feedback on proposed handling of inquiry SA4 last raised on alternative for data transmission than HTTP requests whereby CTA WAVE added nw JSON mode of delivery to decouple data payload from object request mechanism.
* Issue of us wanting to use M5d to report this client information rather than M4d, as envisaged by the CTA WAVE approach. Addressed in an informal way.

**Discussion:**

* Thomas : Good to check functionalities in context of EMSA.

**Decision:**

* **Doc-1119 is NOTED**

**S4-201119** is **noted**.

## 8.4 Issues for immediate consideration

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-201005](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4-201005.zip) | Discussion on extending 5GMS architecture for edge processing and multicast | BBC | 8.4 |

**Presenter: Richard Bradbury (BBC)**

* Trying to draw out some common discussion threads from the Use Cases contributed to date in the FS\_EMSA and FS\_5GMS\_Multicast studies:
  + What can a 5GMS AS do
    - definition of supported functionalities
    - expand definition of M intfcs or define addition intfcs for new interactions
  + How is the 5GMS AS realised in the 5G System
    - expose specified intfcs to relevant 5GMS System actors
    - choiced of deployment location
    - whether instantiated inside trusted data network only?
    - modularity of component functions
    - management and orchestration layer

**Discussion:**

* Imed : EMSA is finalizing use cases. The concept of AS has not been limited to Edge. It is flexible. The topics raised are all good study topics for EMSA.
* Peng: On AS deployed inside or outside trusted data network - per current spec it can be either. AS need not be deployed at edge only, could be also in core; cost and transport facility availability dependent.
* Thorsten: AS is conceptual function; need not be really concerned how to realize it, but consider scalability; re. trusted or untrusted, collaboration model allows it to be outside trusted DN, but also possible within trusted DN, may depend on where content resides. Good to agree on what AS can and cannot be and where can it be deployed: at edge, core, etc.
* Iraj: Agree EMSA good forum to answer these questions, and done fairly soon.
* Thomas: the problem is use cases we’re seeing often are too solution-specific;let’s consider what SA2 is doing in this area, and abide by their decisions (as well as by SA6).
* Peng: on SA2, can share their study on multicast - for which AS is not defined in that Study - only the AF function is identified
* Frederic: no AS in 5G system architecture
* Thorsten: as long as xMB is present in architecture, AS becomes relevant
* Imed: AS function is available in 5GS architecture and used in SA6; let’s not jump ahead now but wait for EMSA to address as well as interaction with other 3GPP groups

**Decision:**

* **Doc-1005 is NOTED**

## 8.5 CRs to Features in Release 15 and earlier

## 8.6 CRs to completed features in Release 16

### 8.6.1 5GMSA

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-201055](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201055.zip) | Correction of Metrics Collection and Reporting | Ericsson LM | 8.6 |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=14602) | Gabin, Frederic | Thu, 20 Aug 2020 07:47:38 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=17801) | Gunnar Heikkilä | Thu, 20 Aug 2020 08:20:56 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=18507) | Gunnar Heikkilä | Thu, 20 Aug 2020 08:24:55 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=19498) | Szucs, Paul | Thu, 20 Aug 2020 08:36:55 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=20359) | Gunnar Heikkilä | Thu, 20 Aug 2020 08:39:24 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=29114) | Gunnar Heikkilä | Thu, 20 Aug 2020 14:02:26 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=33286) | Charles Lo | Thu, 20 Aug 2020 15:37:36 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=34245) | Charles Lo | Thu, 20 Aug 2020 15:42:58 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=35288) | Charles Lo | Thu, 20 Aug 2020 15:53:53 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=38040) | Richard Bradbury | Thu, 20 Aug 2020 17:21:27 +0100 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=38314) | Richard Bradbury | Thu, 20 Aug 2020 17:47:37 +0100 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=41682) | Szucs, Paul | Thu, 20 Aug 2020 18:14:24 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=43035) | Charles Lo | Thu, 20 Aug 2020 19:20:40 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=42760) | Richard Bradbury | Thu, 20 Aug 2020 19:36:09 +0100 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=71239) | Gunnar Heikkilä | Fri, 21 Aug 2020 11:09:21 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=80014) | Gunnar Heikkilä | Fri, 21 Aug 2020 15:32:09 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=81648) | Richard Bradbury | Fri, 21 Aug 2020 17:18:30 +0100 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=74) | Charles Lo | Sat, 22 Aug 2020 01:19:42 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=12565) | Richard Bradbury | Mon, 24 Aug 2020 11:56:42 +0100 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=24492) | Gunnar Heikkilä | Mon, 24 Aug 2020 13:22:23 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=25875) | Szucs, Paul | Mon, 24 Aug 2020 13:56:26 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=26697) | Gunnar Heikkilä | Mon, 24 Aug 2020 14:03:09 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=27512) | Charles Lo | Mon, 24 Aug 2020 14:12:29 +0000 |
| [[8.6; 1055, 1058; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) on Correction of Metrics Collection and Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=28947) | Richard Bradbury | Mon, 24 Aug 2020 15:40:20 +0100 |

**Presenter:**

* Not presented. Discussion will continue by emails

**Discussion:**

* Gunnar : Good to go by emails
* Thomas : it is difficult to follow all details by emails
* Charles: doing this now with Gunnar
* Thorsten: Onedrive as possible means to share document among group

**Decision:**

* **Noted. Merged to** S4-201218.

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| --- | --- | --- | --- |
| [S4-201058](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201058.zip) | Corrections on Metrics Configuration and Reporting | Qualcomm Incorporated | 8.6 |

**E-mail Discussion:**

* see document S4-201058

**Presenter:**

* **Charles Lo (Qualcomm)**

**Discussion:**

* Charles has offered to take the pen on merging.
* Guidance from Fred to merge the two above stage 2 contributions.
* Charles: Moving towards merged document following call earlier today. Not quite ready (at 24th August meeting). Might be ready with something by next call. Hoping to submit as a formal CR with title “Corrections on metrics” TDoc S4-201218.

**Decision:**

* **Noted. Merged to** S4-201218.

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| --- | --- | --- | --- |
| [S4-201218](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201058.zip) | CR to TS 26.501 Corrections on Metrics (Rel-16) | Qualcomm Incorporated | 8.6 |

**E-mail Discussion:**

**Presenter:**

* **Charles Lo (Qualcomm)**

**Discussion:**

**Decision:**

* **S4-201218 is agreed.**

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| --- | --- | --- | --- |
| [S4-201059](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201059.zip) | Corrections and Clarifications on Metrics and Consumption Reporting | Qualcomm Incorporated | 8.6 |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.6; 1059; 21Aug 0600 CEST] dCRs to TS 26.501 (5GMSA) Corrections and Clarifications on Metrics and Consumption Reporting for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=15411) | Gabin, Frederic | Thu, 20 Aug 2020 07:55:00 +0000 |

**Decision:**

* **Agreed** via e-mail.

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| [S4-201097](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201097.zip) | Corrections and Clarifications on Network Assistance | Qualcomm Incorporated | 8.6 |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.7; 1097; 21Aug 0600 CEST] 5GMSA, TS 26.501, dCR - Corrections and Clarifications on Network Assistance - for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=11763) | Gabin, Frederic | Thu, 20 Aug 2020 05:00:02 +0000 |
| [[8.7; 1097; 21Aug 0600 CEST] 5GMSA, TS 26.501, dCR - Corrections and Clarifications on Network Assistance - for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=13729) | Szucs, Paul | Thu, 20 Aug 2020 06:05:46 +0000 |
| [[8.7; 1097; 21Aug 0600 CEST] 5GMSA, TS 26.501, dCR - Corrections and Clarifications on Network Assistance - for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=23538) | Szucs, Paul | Thu, 20 Aug 2020 10:43:29 +0000 |
| [[8.7; 1097; 21Aug 0600 CEST] 5GMSA, TS 26.501, dCR - Corrections and Clarifications on Network Assistance - for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=22978) | Richard Bradbury | Thu, 20 Aug 2020 11:35:07 +0100 |
| [[8.7; 1097; 21Aug 0600 CEST] 5GMSA, TS 26.501, dCR - Corrections and Clarifications on Network Assistance - for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=38588) | Charles Lo | Thu, 20 Aug 2020 17:00:44 +0000 |
| [[8.7; 1097; 21Aug 0600 CEST] 5GMSA, TS 26.501, dCR - Corrections and Clarifications on Network Assistance - for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=39491) | Charles Lo | Thu, 20 Aug 2020 17:10:00 +0000 |
| [[8.7; 1097; 21Aug 0600 CEST] 5GMSA, TS 26.501, dCR - Corrections and Clarifications on Network Assistance - for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=40274) | Szucs, Paul | Thu, 20 Aug 2020 17:51:52 +0000 |
| [[8.7; 1097; 21Aug 0600 CEST] 5GMSA, TS 26.501, dCR - Corrections and Clarifications on Network Assistance - for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=40996) | Charles Lo | Thu, 20 Aug 2020 18:03:16 +0000 |
| [[8.7; 1097; 21Aug 0600 CEST] 5GMSA, TS 26.501, dCR - Corrections and Clarifications on Network Assistance - for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=9948) | Szucs, Paul | Mon, 24 Aug 2020 08:42:05 +0000 |
| [[8.7; 1097; 21Aug 0600 CEST] 5GMSA, TS 26.501, dCR - Corrections and Clarifications on Network Assistance - for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=24208) | Richard Bradbury | Mon, 24 Aug 2020 13:58:26 +0100 |
| [[8.7; 1097; 21Aug 0600 CEST] 5GMSA, TS 26.501, dCR - Corrections and Clarifications on Network Assistance - for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=41025) | Charles Lo | Mon, 24 Aug 2020 18:19:23 +0000 |

**Decision:**

* **Agreed** via e-mail, going for a formal CR, revised to **S4-201209**.

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| --- | --- | --- | --- |
| [S4-201209](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201209.zip) | Corrections and Clarifications on Network Assistance | Qualcomm Incorporated | 8.6 |

**Presenter:** **Charles Lo (Qualcomm)**

**Discussion :**

* Fred: Cover sheet needs to remove DRAFT from formal CR.
* Thomas: One step or two steps to implement additional dynamic policies. When to treat 1217 and 1215?
* Fred: Tuesday evening’s call.
* Thomas: I will prepare revisions.

**Decision:**

* Correct cover sheet and increment CR revision number in **S4-201224** (agreed without presentation to go to plenary).

**S4-201209** is revised.

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| [S4-201224](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201224.zip) | Corrections and Clarifications on Network Assistance | Qualcomm Incorporated | 8.6 |

**S4-201224** is agreed without presentation and will be presented to SA4 plenary.

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

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-201002](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4-201002.zip) | 5G Media Streaming (5GMS); Protocols | Ericsson LM | 8.7 |

* Not presented.
* Revised to S4201092

**S4-201002** is revised to **S4-201092.**

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| [S4-201092](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201092.zip) | 5G Media Streaming (5GMS); Protocols | Ericsson GmbH, Eurolab | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1002->1092; 21Aug 0600 CEST] Draft TS 26.512 v1.3.1 5G Media Streaming (5GMS); Protocols - for agreement as basis for further work](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=9997) | Gabin, Frederic | Thu, 20 Aug 2020 04:48:07 +0000 |
| [[8.7; 1002->1092; 21Aug 0600 CEST] Draft TS 26.512 v1.3.1 5G Media Streaming (5GMS); Protocols - for agreement as basis for further work](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=36137) | Thomas Stockhammer | Thu, 20 Aug 2020 15:57:13 +0000 |
| [[8.7; 1002->1092; 21Aug 0600 CEST] Draft TS 26.512 v1.3.1 5G Media Streaming (5GMS); Protocols - for agreement as basis for further work](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=37065) | Thorsten Lohmar | Thu, 20 Aug 2020 16:04:26 +0000 |
| [[8.7; 1002->1092; 21Aug 0600 CEST] Draft TS 26.512 v1.3.1 5G Media Streaming (5GMS); Protocols - for agreement as basis for further work](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=42460) | Richard Bradbury | Thu, 20 Aug 2020 19:24:07 +0100 |
| [[8.7; 1002->1092; 21Aug 0600 CEST] Draft TS 26.512 v1.3.1 5G Media Streaming (5GMS); Protocols - for agreement as basis for further work](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=46564) | Thomas Stockhammer | Thu, 20 Aug 2020 20:18:52 +0000 |

**S4-201092** is agreed**.**

Revised to S4-201211 to produce v1.4.0 by end of this meeting.

A new version will be produced with agreements of his meeting.

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| [S4-201211](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4-201211.zip) | TS 26.512 v1.4.0 | Ericsson LM | 8.7 |

**S4-201211** will be presented to SA4 plenary.

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| [S4-201003](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4-201003.zip) | Completion of Ingest Protocols API | BBC | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1003; 21Aug 0600 CEST] 5GMS3: Completion of Ingest Protocols API](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=9062) | Gabin, Frederic | Thu, 20 Aug 2020 04:51:49 +0000 |
| [[8.7; 1003; 21Aug 0600 CEST] 5GMS3: Completion of Ingest Protocols API](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=12750) | Thorsten Lohmar | Thu, 20 Aug 2020 05:36:19 +0000 |
| [[8.7; 1003; 21Aug 0600 CEST] 5GMS3: Completion of Ingest Protocols API](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=22746) | Richard Bradbury | Thu, 20 Aug 2020 11:27:28 +0100 |
| [[8.7; 1003->1210; 21Aug 0600 CEST] 5GMS3: Completion of Ingest Protocols API](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=48384) | Richard Bradbury | Fri, 21 Aug 2020 07:59:46 +0100 |

**S4-201003** is revised to **S4-201210**.

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| [S4-201210](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4-201210.zip) | Completion of Ingest Protocols API | BBC | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1210; 24Aug 1400 CEST] dCR TS 26.512 Completion of Ingest Protocols API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=48900) | Gabin, Frederic | Fri, 21 Aug 2020 08:06:10 +0000 |
| [[8.7; 1210; 24Aug 1400 CEST] dCR TS 26.512 Completion of Ingest Protocols API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=49703) | Gabin, Frederic | Fri, 21 Aug 2020 08:51:36 +0000 |
| [[8.7; 1210; 24Aug 1400 CEST] dCR TS 26.512 Completion of Ingest Protocols API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=60271) | Richard Bradbury | Fri, 21 Aug 2020 10:40:04 +0100 |
| [[8.7; 1210; 24Aug 1400 CEST] dCR TS 26.512 Completion of Ingest Protocols API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=18650) | Gabin, Frederic | Mon, 24 Aug 2020 12:29:13 +0000 |

**S4-201210** is agreed.

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| [S4-201004](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4-201004.zip) | Informative annex on Content Hosting Configuration examples | BBC | 8.7 |

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| [[8.7; 1004; 21Aug 0600 CEST] 5GMS3, pCR 26.512, Informative annex on Content Hosting Configuration examples - for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=10774) | Gabin, Frederic | Thu, 20 Aug 2020 04:54:36 +0000 |

**S4-201004** is agreed.

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| [S4-201033](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201033.zip) | pCR on AF-Based Network Assistance | Qualcomm India Pvt Ltd | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1033; 25AUG 2000 CEST] pCR to TS 26.512 on AF-Based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=46442) | Gabin, Frederic | Mon, 24 Aug 2020 20:54:48 +0000 |
| [[8.7; 1033; 25AUG 2000 CEST] pCR to TS 26.512 on AF-Based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=56918) | Richard Bradbury | Mon, 24 Aug 2020 23:51:46 +0100 |
| [[8.7; 1033; 25AUG 2000 CEST] pCR to TS 26.512 on AF-Based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=61220) | Szucs, Paul | Tue, 25 Aug 2020 07:11:03 +0000 |
| [[8.7; 1033; 25AUG 2000 CEST] pCR to TS 26.512 on AF-Based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=77896) | Imed Bouazizi | Tue, 25 Aug 2020 13:31:58 +0000 |
| [[8.7; 1033; 25AUG 2000 CEST] pCR to TS 26.512 on AF-Based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=82982) | Imed Bouazizi | Tue, 25 Aug 2020 14:25:56 +0000 |
| [[8.7; 1033; 25AUG 2000 CEST] pCR to TS 26.512 on AF-Based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=83697) | Thorsten Lohmar | Tue, 25 Aug 2020 14:53:17 +0000 |
| [[8.7; 1033; 25AUG 2000 CEST] pCR to TS 26.512 on AF-Based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=87450) | Imed Bouazizi | Tue, 25 Aug 2020 15:36:58 +0000 |

**S4-201033** is merged in **S4-201266**.

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| [S4-201034](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201034.zip) | MSH-assisted Traffic Filtering | Qualcomm India Pvt Ltd | 8.7 |

**S4-201034** is noted (late submission).

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| [S4-201035](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201035.zip) | Updates on Rest APIs for 5GMS3 | Qualcomm India Pvt Ltd | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1035; 21Aug 0600 CEST] Updates on Rest APIs for 5GMS3](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=20852) | Gabin, Frederic | Thu, 20 Aug 2020 08:57:01 +0000 |
| [[8.7; 1035; 21Aug 0600 CEST] Updates on Rest APIs for 5GMS3](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=24904) | Thorsten Lohmar | Thu, 20 Aug 2020 11:31:12 +0000 |
| [[8.7; 1035; 21Aug 0600 CEST] Updates on Rest APIs for 5GMS3](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=24417) | Richard Bradbury | Thu, 20 Aug 2020 11:47:38 +0100 |
| [[8.7; 1035; 21Aug 0600 CEST] Updates on Rest APIs for 5GMS3](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=25619) | Thomas Stockhammer | Thu, 20 Aug 2020 12:11:56 +0000 |
| [[8.7; 1035; 21Aug 0600 CEST] Updates on Rest APIs for 5GMS3](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=26383) | Thorsten Lohmar | Thu, 20 Aug 2020 12:33:40 +0000 |
| [[8.7; 1035; 21Aug 0600 CEST] Updates on Rest APIs for 5GMS3](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=27105) | Thomas Stockhammer | Thu, 20 Aug 2020 12:38:06 +0000 |
| [[8.7; 1035; 21Aug 0600 CEST] Updates on Rest APIs for 5GMS3](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=27820) | Sungryeul Rhyu | Thu, 20 Aug 2020 14:24:55 +0100 |

**Presenter: Imed Bouazizi (Qualcomm)**

**Discussion:**

* comment that not all YAML files are available
* Imed: no current maintenance of file repository on ETSI Forge
* Thorsten: not sure how to use those YAML files on Forge
* Richard: consider using pull request mechanism on repository? Does it require WG or Plenary approval
* Imed: might be better to assign one person to keep track of spec development and that APIs represent latest status
* Thomas: also asked for repository - doesn’t feel that Forge is suitable for collaboration but more as final document repository. We need to set up our own repository.
* Richard: agrees that current setup of Forge does not support proper collaboration
* Thorsten: thinks we might wish set up our own repository on GitLab?
* Thomas: yes, and then push end results to ETSI Forge
* Imed: we had original repository on Swagger Hub - might revert to that
* Imed: suggest assign one maintainer to integrate YAML files to agreed spec on ETSI
* Thorsten: ETSI has its version of GitHub, question is whether we can have desired access
* Imed: assuming ETSI has such tools and access, might be handled by 3GPP; he is willing to volunteer as maintainer.
* Thorsten: Volunteers to be second maintainer.
* Frederic: can we agree on process suggested by Imed? No disagreement.
* Imed: Ask Jayeeta to delegate maintainer roles to Imed and Thorsten.
* Fred: Request will come from Fred to Jayeeta.
* Imed: Can provide the YAML for v1.2.0.

**Decision:**

* Revised to **S4-201212**.

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| [S4-201212](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201212.zip) | Updates to Rest APIs description in ETSI forge | Qualcomm India Pvt Ltd | 8.7 |

**Presenter: Imed Bouazizi (Qualcomm)**

**Discussion:**

* Thorsten : Do you have removed all security part?
* Imed : I think it is not removed
* Thorsten : I need to check others access rights and security.
* Jayeeta : 3GPP forge is maintained by MCC (but people write their own folder). Not SA4 contributors.
* Imed : In worst case, we could use another tool. We can do this to this ETSI maintenance. We want something we can use rapidly.
* Imed : we need active maintainers from our side.

**Decision:**

* **S4-201212** is agreed (details to be checked offline).

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| [S4-201036](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201036.zip) | 5GMS AF Exposure Services | Qualcomm India Pvt Ltd | 8.7 |

**S4-201036** is noted (late submission).

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| [S4-201050](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201050.zip) | Informative Annex on Parameter Population | Ericsson LM | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1050; 21Aug 0600] pCR TS 26.512 (5GMS3) Informative Annex on Parameter Population -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=21776) | Gabin, Frederic | Thu, 20 Aug 2020 08:59:58 +0000 |
| [[8.7; 1050; 21Aug 0600] pCR TS 26.512 (5GMS3) Informative Annex on Parameter Population -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=24637) | Richard Bradbury | Thu, 20 Aug 2020 11:52:19 +0100 |
| [[8.7; 1050; 21Aug 0600] pCR TS 26.512 (5GMS3) Informative Annex on Parameter Population -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=28176) | Charles Lo | Thu, 20 Aug 2020 13:54:29 +0000 |
| [[8.7; 1050; 21Aug 0600] pCR TS 26.512 (5GMS3) Informative Annex on Parameter Population -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=29791) | Thorsten Lohmar | Thu, 20 Aug 2020 14:11:43 +0000 |
| [[8.7; 1050; 21Aug 0600] pCR TS 26.512 (5GMS3) Informative Annex on Parameter Population -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=30516) | Charles Lo | Thu, 20 Aug 2020 14:23:11 +0000 |
| [[8.7; 1050; 21Aug 0600] pCR TS 26.512 (5GMS3) Informative Annex on Parameter Population -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=31356) | Thomas Stockhammer | Thu, 20 Aug 2020 14:29:05 +0000 |
| [[8.7; 1050; 21Aug 0600] pCR TS 26.512 (5GMS3) Informative Annex on Parameter Population -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=32479) | Thorsten Lohmar | Thu, 20 Aug 2020 15:02:35 +0000 |
| [[8.7; 1050; 21Aug 0600] pCR TS 26.512 (5GMS3) Informative Annex on Parameter Population -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=45624) | Thorsten Lohmar | Thu, 20 Aug 2020 20:14:58 +0000 |

**S4-201050** is revised to **S4-201208**

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| [S4-201208](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201208.zip) | Informative Annex on Parameter Population | Ericsson LM | 8.7 |

**Presenter:** Thorsten

**Discussion:**

**Decision:**

* **S4-201208** is agreed (with editor to remove duplicated sentences).

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| [S4-201051](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201051.zip) | Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API | Ericsson LM | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=50687) | Gabin, Frederic | Fri, 21 Aug 2020 09:07:41 +0000 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=67508) | Thorsten Lohmar | Fri, 21 Aug 2020 10:32:13 +0000 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=60528) | Richard Bradbury | Fri, 21 Aug 2020 10:52:32 +0100 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=60834) | Richard Bradbury | Fri, 21 Aug 2020 10:56:23 +0100 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=68528) | Richard Bradbury | Fri, 21 Aug 2020 11:37:15 +0100 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=65806) | Cedric THIENOT | Fri, 21 Aug 2020 12:22:43 +0200 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=78114) | Thorsten Lohmar | Fri, 21 Aug 2020 14:12:08 +0000 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=77025) | Richard Bradbury | Fri, 21 Aug 2020 15:00:17 +0100 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=75235) | Cedric THIENOT | Fri, 21 Aug 2020 15:20:59 +0200 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=79065) | Richard Bradbury | Fri, 21 Aug 2020 15:21:57 +0100 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=81922) | Richard Bradbury | Fri, 21 Aug 2020 17:34:16 +0100 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=82228) | Richard Bradbury | Fri, 21 Aug 2020 17:44:07 +0100 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=80866) | Cedric THIENOT | Fri, 21 Aug 2020 18:07:52 +0200 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=2759) | Thorsten Lohmar | Sat, 22 Aug 2020 10:27:16 +0000 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=4311) | Charles Lo | Sun, 23 Aug 2020 16:48:39 +0000 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=11605) | Imed Bouazizi | Mon, 24 Aug 2020 10:12:38 +0000 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=10604) | Imed Bouazizi | Mon, 24 Aug 2020 10:19:33 +0000 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=17786) | Gabin, Frederic | Mon, 24 Aug 2020 12:25:51 +0000 |
| [[8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=30271) | Richard Bradbury | Mon, 24 Aug 2020 16:00:19 +0100 |

**Presenter:** Thorsten

**Discussion:**

* Request to split into two separate documents so as to prioritise additional material.
* Most e-mail discussion so far has been on modifying the state diagram, but this is a side topic that could be dealt with in two pCRs, one on clause 4.3.7.1 and the other on the API.
* Imed: 23.543 and serviceDataFlowDescriptions. Where does the string come from? Might be more complex. Might need to dig deeper.
* Thorsten: In CT3 they use strings pointing to binary representation. Detailed data type needs to be more elaborated. Not sure what parameters needed. Type might be FFS.
* Imed: What is enforcement bit rate?
* Thorsten: For “Binge on” service, there is a traffic shaper in the path. Some people would like to know what type of traffic shaper is in the path. Enforcement method tells you that. Enforcement bit rate tells you when the bit rate enforcement kicks in. For “Binge on” it gives the DASH Player foreknowledge that things will change suddenly at a threshold.
* Imed: Isn’t this the same as maxBitRate?
* Thorsten: maxBitRate on N5 might be much higher than the max for a certain policy.

**Decision:**

* Split:
  + S4-201051 -> S4-201219 for second change.
  + “Correction of state diagram” or some such for first change as S4-201220.

**S4-201051** is revised to **S4-201219.**

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| S4-201219 | Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API | Ericsson LM | 8.7 |

**E-mail Discussion:**

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| [1219 and 1220 uploaded [8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=74690) | Thorsten Lohmar | Tue, 25 Aug 2020 13:12:59 +0000 |
| [1219 and 1220 uploaded [8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=88400) | Richard Bradbury | Tue, 25 Aug 2020 17:09:51 +0100 |

**Presenter: Thorsten**

**Discussion:**

* Imed : Still missing the directionality of these parameters. What is requested by the MSH? Could be good to reuse part network assistance.
* Thorsten : Start sharing the same view. We need to sit down and see how to phrase parameters.

**Decision:**

* S4-201019 is revised to S4-201228

**S4-201219** is revised to **S4-201228**.

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| S4-201228 | Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API | Ericsson LM | 8.7 |

**E-mail Discussion:**

**Presenter: Thorsten Lohmar (Ericsson)**

**Discussion:**

* Richard : As suggested by Thorsten a revision is reasonable.
* Frédéric : No major issues.

**Decision:**

* S4-201228 is revised to S4-201266 (S4-201266 agreed without presentation to go to the plenary).

**S4-201228** is revised to **S4-201260**.

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| S4-201260 | Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API | Ericsson LM | 8.7 |

**S4-201260** is presented to SA4 plenary.

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| [S4-201](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201051.zip)220 | Correction of the policy template | Ericsson LM | 8.7 |

**E-mail Discussion:**

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| [1219 and 1220 uploaded [8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=74690) | Thorsten Lohmar | Tue, 25 Aug 2020 13:12:59 +0000 |
| [1219 and 1220 uploaded [8.7; 1051; 24Aug 1400 CEST] pCR TS 26.512 Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=88400) | Richard Bradbury | Tue, 25 Aug 2020 17:09:51 +0100 |

**Presenter:** Not presented. Same status than 1219.

**Discussion:**

**Decision:**

* S4-201020 is revised to S4-201229.

**S4-201220** is revised to **S4-201229**.

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| [S4-201](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201051.zip)229 | Correction of the policy template | Ericsson LM | 8.7 |

**E-mail Discussion:**

**Presenter: Richard Bradbury (BBC)**

**Discussion:**

* Thorsten : Editors note in 4.3.7.4 to be removed.

**Decision:**

* agreed (with editor note in 4.3.7.4 removed by the editor).

**S4-201229** is revised to **S4-201274**.

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| [S4-201274](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201274.zip) | Correction of the policy template | Ericsson LM | 8.7 |

**S4-201274** is agreed without presentation.

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| [S4-201052](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201052.zip) | Addition of General Sections | Ericsson LM | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1052; 24Aug 1400 CEST] pCR TS 26.512 Addition of General Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=51696) | Gabin, Frederic | Fri, 21 Aug 2020 09:10:11 +0000 |
| [[8.7; 1052; 24Aug 1400 CEST] pCR TS 26.512 Addition of General Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=61913) | Richard Bradbury | Fri, 21 Aug 2020 11:00:15 +0100 |
| [[8.7; 1052; 24Aug 1400 CEST] pCR TS 26.512 Addition of General Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=16833) | Gabin, Frederic | Mon, 24 Aug 2020 12:23:06 +0000 |
| [[8.7; 1052; 24Aug 1400 CEST] pCR TS 26.512 Addition of General Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=28299) | Imed Bouazizi | Mon, 24 Aug 2020 14:29:39 +0000 |
| [[8.7; 1052; 24Aug 1400 CEST] pCR TS 26.512 Addition of General Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=29477) | Thorsten Lohmar | Mon, 24 Aug 2020 14:52:55 +0000 |
| [[8.7; 1052; 24Aug 1400 CEST] pCR TS 26.512 Addition of General Sections -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=39872) | Thorsten Lohmar | Mon, 24 Aug 2020 17:16:39 +0000 |

**Presenter:**

**Discussion:**

**Decision:**

* Revised to 1213.

**S4-201052** is revised.

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| [S4-201213](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201213.zip) | Addition of General Sections | Ericsson LM | 8.7 |

**Presenter: Thorsten**

**Discussion:**

* Discussion on User Agent identification. Imed : Modification of the User Agent by the Media Stream Handler could be difficult. Prefer “should” rather than “shall include the product token”.

**Decision:**

* **S4-201213** is agreed with online edits.

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| [S4-201056](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201056.zip) | Update on Metrics Reporting | Ericsson LM | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=48646) | Gabin, Frederic | Mon, 24 Aug 2020 20:57:32 +0000 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=73145) | Gunnar Heikkilä | Tue, 25 Aug 2020 13:10:13 +0000 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=81934) | Gunnar Heikkilä | Tue, 25 Aug 2020 14:19:23 +0000 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=94383) | Charles Lo | Tue, 25 Aug 2020 17:36:33 +0000 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=100293) | Richard Bradbury | Tue, 25 Aug 2020 19:08:06 +0100 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=116575) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Tue, 25 Aug 2020 19:38:05 +0000 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=117554) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Tue, 25 Aug 2020 19:39:19 +0000 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=122698) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 25 Aug 2020 22:01:19 +0100 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=132223) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 05:50:17 +0000 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=136506) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Wed, 26 Aug 2020 10:57:58 +0000 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=141030) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Wed, 26 Aug 2020 11:55:33 +0000 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=143010) | Gunnar Heikkilä <gunnar.heikkila@ERICSSON.COM> | Wed, 26 Aug 2020 12:17:35 +0000 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=140574) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 26 Aug 2020 12:51:24 +0100 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=140802) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 26 Aug 2020 12:53:42 +0100 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=142554) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 26 Aug 2020 13:08:31 +0100 |
| [[8.7; 1056, 1060; 25Aug 2000] pCRs to 26.512 on Metrics Reporting](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=142782) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 26 Aug 2020 13:17:55 +0100 |

**Presenter:**

**Discussion:**

**Decision:**

* S4-201056 is revised to S4-201270

**S4-201056** is revised.

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| [S4-201](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201056.zip)270 | Update on Metrics Reporting | Ericsson LM | 8.7 |

**Presenter: Gunnar**

**Discussion:**

* Charles : Is it applicable for progressive download and DASH.
* Richard : I didn’t check.
* Gunnar : 11.4.2 has to be modified with something like provisioning\_session\_id
* Charles : Do we mention REST?
* Richard : No

**Decision:**

* S4-101270 is revised to S4-101271.

**S4-201270** is revised.

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| [S4-201](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201056.zip)271 | Update on Metrics Reporting | Ericsson LM | 8.7 |

**S4-101271 is** agreed without presentation to go to the plenary.

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| [S4-201060](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201060.zip) | Metrics Reporting API for 5GMS | Qualcomm Incorporated | 8.7 |

**E-mail Discussion:**

[see S4-201059 discussion.](#7xzt3g1e1751)

**Presenter:**

**Discussion:**

**Decision:**

**S4-201060** is noted.

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| [S4-201070](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201070.zip) | M7d APIs for 5GMS | Qualcomm Incorporated | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1070; 24Aug 1400 CEST] pCR TS 26.512 M7d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=52650) | Gabin, Frederic | Fri, 21 Aug 2020 09:13:29 +0000 |
| [[8.7; 1070; 24Aug 1400 CEST] pCR TS 26.512 M7d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=61140) | Thorsten Lohmar | Fri, 21 Aug 2020 09:56:04 +0000 |
| [[8.7; 1070; 24Aug 1400 CEST] pCR TS 26.512 M7d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=68834) | Richard Bradbury | Fri, 21 Aug 2020 11:44:19 +0100 |
| [[8.7; 1070; 24Aug 1400 CEST] pCR TS 26.512 M7d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=71888) | Richard Bradbury | Fri, 21 Aug 2020 12:16:16 +0100 |
| [[8.7; 1070; 24Aug 1400 CEST] pCR TS 26.512 M7d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=15974) | Gabin, Frederic | Mon, 24 Aug 2020 12:20:45 +0000 |
| [[8.7; 1070; 24Aug 1400 CEST] pCR TS 26.512 M7d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=84613) | Thomas Stockhammer | Tue, 25 Aug 2020 14:54:05 +0000 |
| [[8.7; 1070; 24Aug 1400 CEST] pCR TS 26.512 M7d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=85349) | Thomas Stockhammer | Tue, 25 Aug 2020 14:57:57 +0000 |
| [[8.7; 1070; 24Aug 1400 CEST] pCR TS 26.512 M7d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=98474) | Charles Lo | Tue, 25 Aug 2020 18:01:49 +0000 |
| [[8.7; 1070; 24Aug 1400 CEST] pCR TS 26.512 M7d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=97705) | Thomas Stockhammer | Tue, 25 Aug 2020 18:03:31 +0000 |
| [[8.7; 1070->1217; 24Aug 1400 CEST] pCR TS 26.512 M7d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=94137) | Richard Bradbury | Tue, 25 Aug 2020 18:24:47 +0100 |
| [[8.7; 1070; 24Aug 1400 CEST] pCR TS 26.512 M7d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=145960) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 26 Aug 2020 12:24:21 +0000 |
| [[8.7; 1070; 24Aug 1400 CEST] pCR TS 26.512 M7d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=148445) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 26 Aug 2020 13:35:35 +0100 |

**Presenter:**

**Discussion:**

**Decision:**

* Revised to S4-201217 (merged with 1073).

**S4-201070** is merged to **S4-201217**.

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| [S4-201071](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201071.zip) | M6d APIs for 5GMS | Qualcomm Incorporated | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=53593) | Gabin, Frederic | Fri, 21 Aug 2020 09:17:21 +0000 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=66611) | Thorsten Lohmar | Fri, 21 Aug 2020 10:28:15 +0000 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=70018) | Thomas Stockhammer | Fri, 21 Aug 2020 10:55:35 +0000 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=64033) | Richard Bradbury | Fri, 21 Aug 2020 11:05:44 +0100 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=72128) | Richard Bradbury | Fri, 21 Aug 2020 12:26:47 +0100 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=69073) | Cedric THIENOT | Fri, 21 Aug 2020 12:49:02 +0200 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=74304) | Cedric THIENOT | Fri, 21 Aug 2020 15:01:41 +0200 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=19450) | Gabin, Frederic | Mon, 24 Aug 2020 12:31:43 +0000 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=31195) | Thomas Stockhammer | Mon, 24 Aug 2020 15:13:56 +0000 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=36896) | Gabin, Frederic | Mon, 24 Aug 2020 16:37:14 +0000 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=100521) | Thomas Stockhammer | Tue, 25 Aug 2020 17:52:54 +0000 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=95965) | Thomas Stockhammer | Tue, 25 Aug 2020 17:52:54 +0000 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=96964) | Thomas Stockhammer | Tue, 25 Aug 2020 17:57:53 +0000 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=99292) | Thomas Stockhammer | Tue, 25 Aug 2020 18:06:05 +0000 |
| [[8.7; 1071; 24Aug 1400 CEST] pCR TS 26.512 M6d APIs for 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=101520) | Thomas Stockhammer | Tue, 25 Aug 2020 18:09:03 +0000 |

**S4-201071** is revised to **S4-201215**.

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| [S4-201215](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201215.zip) | M6d APIs for 5GMS | Qualcomm Incorporated | 8.7 |

**Presenter: Thomas Stockhammer (Qualcomm)**

**Discussion:**

* Thomas : Could require additional details. Ex 12.1.3, 12.1.4 and 12.1.5. If anybody is capable to fill these paragraph would help.
* Thorsten : I don’t have the quick answer.
* Gunnar : Do we want to support metrics reporting for uplink?
* Thomas : This is only for downlink

**Decision:**

* Agreed to be used as the baseline text even if it is not perfect. Only typo will be changed.
* Revised as 1230 without new presentation.

**S4-201215** is revised to S4-201230.

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| [S4-201230](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201230.zip) | M6d APIs for 5GMS | Qualcomm Incorporated | 8.7 |

**S4-201230** is agreed without presentation.

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| [S4-201072](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201072.zip) | DASH Profile for CMAF | Qualcomm Incorporated | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1072; 24Aug 1400 CEST] dCR TS 26.247 DASH Profile for CMAF -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=54536) | Gabin, Frederic | Fri, 21 Aug 2020 09:19:11 +0000 |
| [[8.7; 1072; 24Aug 1400 CEST] dCR TS 26.247 DASH Profile for CMAF -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=62163) | Thorsten Lohmar | Fri, 21 Aug 2020 09:59:24 +0000 |
| [[8.7; 1072; 24Aug 1400 CEST] dCR TS 26.247 DASH Profile for CMAF -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=67264) | Richard Bradbury | Fri, 21 Aug 2020 11:31:11 +0100 |
| [[8.7; 1072; 24Aug 1400 CEST] dCR TS 26.247 DASH Profile for CMAF -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=21015) | Gabin, Frederic | Mon, 24 Aug 2020 12:36:16 +0000 |
| [[8.7; 1072; 24Aug 1400 CEST] dCR TS 26.247 DASH Profile for CMAF -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=31949) | Thomas Stockhammer | Mon, 24 Aug 2020 15:16:59 +0000 |
| [[8.7; 1072; 24Aug 1400 CEST] dCR TS 26.247 DASH Profile for CMAF -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=32742) | Thomas Stockhammer | Mon, 24 Aug 2020 15:18:40 +0000 |
| [[8.7; 1072; 24Aug 1400 CEST] dCR TS 26.247 DASH Profile for CMAF -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=33528) | Thomas Stockhammer | Mon, 24 Aug 2020 15:19:10 +0000 |
| [[8.7; 1072; 24Aug 1400 CEST] dCR TS 26.247 DASH Profile for CMAF -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=38009) | Gabin, Frederic | Mon, 24 Aug 2020 16:39:06 +0000 |
| [[8.7; 1072; 24Aug 1400 CEST] dCR TS 26.247 DASH Profile for CMAF -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=43132) | Thomas Stockhammer | Mon, 24 Aug 2020 18:51:18 +0000 |

**Presenter:**

**Discussion:**

**Decision:**

* Revised to S4-201216

**S4-201072** is revised to **S4-201216**.

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| [S4-201](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201072.zip)216 | DASH Profile for CMAF | Qualcomm Incorporated | 8.7 |

**Presenter: Thomas**

**Discussion:**

* Only issue is reference to Stage 2 or 3 on cover sheet.

**Decision:**

* Revised to S4-201222 for formal CR.

**S4-201216** is revised to **S4-201222**.

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| [S4-201222](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201222.zip) | DASH Profile for CMAF | Qualcomm Incorporated | 8.7 |

**Presenter: Thomas**

**Discussion:**

* Other comments in the cover page to be corrected

**Decision:**

* S4-201222 is revised to S4-201260.

**S4-201222** is revised.

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| [S4-201260](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201260.zip) | DASH Profile for CMAF | Qualcomm Incorporated | 8.7 |

**S4-201260** is agreed without presentation to go to the plenary)

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| [S4-201073](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201073.zip) | Service Description | Qualcomm Incorporated | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1073; 24Aug 1400 CEST] pCR TS 26.512 Service Description in DASH -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=56452) | Gabin, Frederic | Fri, 21 Aug 2020 09:30:37 +0000 |
| [[8.7; 1073; 24Aug 1400 CEST] pCR TS 26.512 Service Description in DASH -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=64776) | Thorsten Lohmar | Fri, 21 Aug 2020 10:17:29 +0000 |
| [[8.7; 1073; 24Aug 1400 CEST] pCR TS 26.512 Service Description in DASH -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=70740) | Richard Bradbury | Fri, 21 Aug 2020 12:01:02 +0100 |
| [[8.7; 1073; 24Aug 1400 CEST] pCR TS 26.512 Service Description in DASH -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=70989) | Richard Bradbury | Fri, 21 Aug 2020 12:03:00 +0100 |
| [[8.7; 1073; 24Aug 1400 CEST] pCR TS 26.512 Service Description in DASH -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=34308) | Thomas Stockhammer | Mon, 24 Aug 2020 15:25:38 +0000 |
| [[8.7; 1073; 24Aug 1400 CEST] pCR TS 26.512 Service Description in DASH -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=35271) | Thomas Stockhammer | Mon, 24 Aug 2020 15:26:18 +0000 |
| [[8.7; 1073; 24Aug 1400 CEST] pCR TS 26.512 Service Description in DASH -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=38752) | Gabin, Frederic | Mon, 24 Aug 2020 16:40:22 +0000 |
| [[8.7; 1073; 24Aug 1400 CEST] pCR TS 26.512 Service Description in DASH -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=88734) | Thomas Stockhammer | Tue, 25 Aug 2020 16:23:23 +0000 |

**Presenter:**

**Discussion:**

**Decision:**

* Revised to S4-201217 (merged with 1070).

**S4-201073** is revised to **S4-201217**.

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| [S4-201217](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201217.zip) | M7d APIs for 5GMS and Service Description | Qualcomm Incorporated | 8.7 |

**Presenter: Thomas Stockhammer (Qualcomm)**

**Discussion:**

* Thorsten : On the service description, how does the 5GMS know what ID to set.
* Thomas : We should expose it in the status information.
* Richard : Do we need a separate parameter column?
* Thomas : We could remove it.
* Cédric : There is a reference to dash.js. Do we need to keep it?
* Thomas : We can remove it.

**Decision:**

* S4-201217 is revised to S4-201231

**S4-201217** is revised.

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| [S4-2012](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201217.zip)31 | M7d APIs for 5GMS and Service Description | Qualcomm Incorporated | 8.7 |

**Presenter: Thomas Stockhammer (Qualcomm)**

**Discussion:**

* Thomas : I accepted all changes in 13.
* Frédéric : Still 2 references of dash.js. Will be handle by Thorsten.
* Richard : Columns Type and parameters have been merged except in 13.2.6.
* Thomas : yes, type is type and parameter is the output.

**Decision:**

* S4-201231

**S4-201231** is agreed (with dash.js references removed by the editor).

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| [S4-201074](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201074.zip) | DASH/CMAF in 5GMS | Qualcomm Incorporated | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1074; 24Aug 1400 CEST] pCR TS 26.512 DASH/CMAF in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=57405) | Gabin, Frederic | Fri, 21 Aug 2020 09:33:27 +0000 |
| [[8.7; 1074; 24Aug 1400 CEST] pCR TS 26.512 DASH/CMAF in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=63118) | Thorsten Lohmar | Fri, 21 Aug 2020 10:00:48 +0000 |
| [[8.7; 1074; 24Aug 1400 CEST] pCR TS 26.512 DASH/CMAF in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=64272) | Richard Bradbury | Fri, 21 Aug 2020 11:13:58 +0100 |
| [[8.7; 1074; 24Aug 1400 CEST] pCR TS 26.512 DASH/CMAF in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=15136) | Gabin, Frederic | Mon, 24 Aug 2020 12:18:17 +0000 |
| [[8.7; 1074; 24Aug 1400 CEST] pCR TS 26.512 DASH/CMAF in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=45532) | Thomas Stockhammer | Mon, 24 Aug 2020 19:46:14 +0000 |
| [[8.7; 1074; 24Aug 1400 CEST] pCR TS 26.512 DASH/CMAF in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=73897) | Thomas Stockhammer | Tue, 25 Aug 2020 13:08:14 +0000 |
| [[8.7; 1074; 24Aug 1400 CEST] pCR TS 26.512 DASH/CMAF in 5GMS -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=93897) | Richard Bradbury | Tue, 25 Aug 2020 18:01:50 +0100 |

**Presenter:**

**Discussion:**

* Minor comments. Close to agreement.

**Decision:**

* Revised to S4-201221.

**S4-201074** is revised to **S4-201221**.

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| [S4-201221](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201221.zip) | DASH/CMAF in 5GMS | Qualcomm Incorporated | 8.7 |

**Presenter: Thomas Stockhammer (Qualcomm)**

**Discussion:**

* A couple of typo will be corrected by Thorsten

**Decision:**

* **S4-201221** is agreed

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| [S4-201075](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201075.zip) | Context of TS 26.511 in 5G Media Streaming | Qualcomm Incorporated | 8.7 |

**E-mail Discussion:**

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| --- | --- | --- |
| [[8.7; 1075; 24Aug 1400 CEST] dCR TS 26.511 Context of TS 26.511 in 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=55483) | Gabin, Frederic | Fri, 21 Aug 2020 09:24:47 +0000 |
| [[8.7; 1075; 24Aug 1400 CEST] dCR TS 26.511 Context of TS 26.511 in 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=64511) | Richard Bradbury | Fri, 21 Aug 2020 11:18:09 +0100 |
| [[8.7; 1075; 24Aug 1400 CEST] dCR TS 26.511 Context of TS 26.511 in 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=14260) | Gabin, Frederic | Mon, 24 Aug 2020 12:15:21 +0000 |
| [[8.7; 1075; 24Aug 1400 CEST] dCR TS 26.511 Context of TS 26.511 in 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=30577) | Thomas Stockhammer | Mon, 24 Aug 2020 15:10:46 +0000 |
| [[8.7; 1075; 24Aug 1400 CEST] dCR TS 26.511 Context of TS 26.511 in 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=36025) | Gabin, Frederic | Mon, 24 Aug 2020 16:34:22 +0000 |
| [[8.7; 1075; 24Aug 1400 CEST] dCR TS 26.511 Context of TS 26.511 in 5G Media Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=41849) | Thomas Stockhammer | Mon, 24 Aug 2020 18:37:00 +0000 |

**Presenter:**

**Discussion:**

**Decision:**

* Revised to S4-201214.

**S4-201074** is revised.

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| [S4-201214](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201075.zip) | Context of TS 26.511 in 5G Media Streaming | Qualcomm Incorporated | 8.7 |

**Presenter: Thomas**

**Discussion:**

* Thorsten: Same figure in other CRs. Looks like M6d only available from Access Client and not from Media Player.
* Thomas: Can make this change.
* Thomas: Insert introduction before current clause 4.
* Fred: Any risk of any inward references to 26.511 being broken?
* Gilles: Good question. Content is fine. Needs a place. Depends if all profiles are CMAF. Maybe we will have one in the future that isn’t.
* Thomas: Take it offline and make a proposal for the formal CR.
* Thomas: What about uplink streaming? Knows what to do, but not enough time to do all the necessary checking in this meeting. Could be delayed to a later CR.

**Decision:**

* Text agreeable.
* Formal CR in **S4-201223**.

**S4-201214** is revised.

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| [S4-2012](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201075.zip)23 | CR to TS 26.511-0001 Corrections to 5G Media Streaming | Qualcomm Incorporated | 8.7 |

**Presenter: Thomas**

**Discussion:**

* Frédéric and Richard already provided some comments. Only some of them seems considered
* Thomas : I will fix

**Decision:**

* S4-201223 is revised to S4-201261 (S4-201261 agreed without presentation to go to the plenary)

**S4-201223** is revised.

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| [S4-2012](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201075.zip)61 | CR to TS 26.511-0001rev1 Corrections to 5G Media Streaming | Qualcomm Incorporated | 8.7 |

**Presenter: Thomas**

**Discussion:**

**Decision:**

**S4-201261** is agreed and will be presented to SA4 plenary.

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| [S4-201076](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201076.zip) | Proposed General Updates to TS 26.512 | Qualcomm Incorporated | 8.7 |

**S4-201076** is noted (as submitted late, but content made it into TS 26.512).

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| [S4-201093](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201093.zip) | AF-based network assistance | Sony Europe B.V., Ericsson LM | 8.7 |

**E-mail Discussion:**

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| --- | --- | --- |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=59310) | Gabin, Frederic | Fri, 21 Aug 2020 09:38:21 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=72885) | Imed Bouazizi | Fri, 21 Aug 2020 12:20:06 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=72627) | Richard Bradbury | Fri, 21 Aug 2020 13:04:16 +0100 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=83405) | Szucs, Paul | Fri, 21 Aug 2020 19:08:38 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=84043) | Szucs, Paul | Fri, 21 Aug 2020 20:07:26 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=1044) | Thorsten Lohmar | Sat, 22 Aug 2020 10:05:45 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=1988) | Thorsten Lohmar | Sat, 22 Aug 2020 10:07:26 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=3416) | Imed Bouazizi | Sat, 22 Aug 2020 15:37:12 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=5902) | Charles Lo | Mon, 24 Aug 2020 00:33:12 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=6902) | Szucs, Paul | Mon, 24 Aug 2020 06:48:02 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=7787) | Imed Bouazizi | Mon, 24 Aug 2020 07:41:06 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=8478) | Thorsten Lohmar | Mon, 24 Aug 2020 07:59:06 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=9189) | Szucs, Paul | Mon, 24 Aug 2020 08:02:54 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=12838) | Gabin, Frederic | Mon, 24 Aug 2020 12:10:35 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=13569) | Imed Bouazizi | Mon, 24 Aug 2020 12:11:48 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=25166) | Szucs, Paul | Mon, 24 Aug 2020 13:48:58 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=43953) | Charles Lo | Mon, 24 Aug 2020 18:59:38 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=103957) | Szucs, Paul <Paul.Szucs@SONY.COM> | Tue, 25 Aug 2020 18:29:15 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=104888) | Imed Bouazizi <BOUAZIZI@QTI.QUALCOMM.COM> | Tue, 25 Aug 2020 18:33:30 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=108392) | Charles Lo <clo@QTI.QUALCOMM.COM> | Tue, 25 Aug 2020 18:44:14 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=122926) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 25 Aug 2020 22:22:37 +0100 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=124726) | Charles Lo <clo@QTI.QUALCOMM.COM> | Wed, 26 Aug 2020 02:33:50 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=131498) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 05:49:05 +0000 |
| [[8.7; 1093; 24Aug 1400 CEST] pCR TS 26.512: 5GMS3: AF-based Network Assistance -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=134698) | Szucs, Paul <Paul.Szucs@SONY.COM> | Wed, 26 Aug 2020 07:42:41 +0000 |

**Presenter:** Not presented

**Discussion:**

* Paul: Extensive e-mail discussion and offline web meeting earlier today. Suggested way forward. Come back tomorrow with more material progress to report.

**Decision:**

* S4-201093 is revised to S4-201232 (S4-201232 agreed without presentation to go to the plenary)

**S4-201093** is revised.

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| [S4-201232](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201093.zip) | AF-based network assistance | Sony Europe B.V., Ericsson LM | 8.7 |

**S4-201232** will go to the SA4 plenary.

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| [S4-201094](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201094.zip) | 5GMS3 work item summary | Sony Europe B.V. | 8.7 |

**Presenter:**

**Discussion:**

**Decision:**

* Revised to S4-201226.

**S4-201094** is revised.

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| [S4-201226](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201226.zip) | 5GMS3 work item summary | Sony Europe B.V. | 8.7 |

**Presenter: Paul Szucs (Sony)**

**Discussion:**

**Decision:**

* S4-201226 is revised to S4-201262.

**S4-201226** is revised.

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| [S4-201262](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201226.zip) | 5GMS3 work item summary | Sony Europe B.V. | 8.7 |

**S4-201262** is endorsed without presentation to go to plenary.

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| [S4-201114](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201114.zip) | Spec structure - interfaces and APIs | Sony Europe B.V. | 8.7 |

**E-mail Discussion:**

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| [[8.7; 1114; 24Aug 1400 CEST] pCR TS 26.512 Spec structure - interfaces and APIs -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=58348) | Gabin, Frederic | Fri, 21 Aug 2020 09:36:35 +0000 |
| [[8.7; 1114; 24Aug 1400 CEST] pCR TS 26.512 Spec structure - interfaces and APIs -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=72368) | Richard Bradbury | Fri, 21 Aug 2020 12:34:28 +0100 |
| [[8.7; 1114; 24Aug 1400 CEST] pCR TS 26.512 Spec structure - interfaces and APIs -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=20254) | Gabin, Frederic | Mon, 24 Aug 2020 12:35:09 +0000 |

**S4-201114** is agreed by e-mail.

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| [S4-201140](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201140.zip) | Update on consumption reporting | ENENSYS, BBC | 8.7 |

**Presenter: Cédric**

**Discussion:**

* Imed: Checked. Still not sure how the resource is structured for the consumption report. Might be misleading to reader.
* Richard: still unclear on what portion of text in problematic
* Imed: entire description about consumption resource which is not RESTful
* Richard: OK - can refer it as an HTTP resource
* Imed: but in case of the style of 26.512 APIs, interpretation is that it’s a RESTful resource
* Richard: can add an explicit note that the Consumption Reporting resource is non-RESTful
* Charles: Metrics reporting is similarly non-RESTful resource, so same style of documentation needed for that.

**Decision:**

* Revised to S4-201225.

**S4-201140** is revised.

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| [S4-201](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201140.zip)225 | Update on consumption reporting | ENENSYS, BBC | 8.7 |

**Presenter: Cédric Thienot (Enensys)**

**Discussion:**

**Decision:**

**S4-201225** is agreed.

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| [S4-201](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201085.zip)267 | Updated time and work plan for 5GMS3 | Sony | 8.7 |

**S4-201267** goes to the plenary.

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

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| [S4-201085](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201085.zip) | [FS\_5GMS\_Multicast] MBMS Profile for Multicast | Qualcomm Incorporated | 8.8 |

**E-mail Discussion:**

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| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=49545) | Gabin, Frederic | Mon, 24 Aug 2020 21:10:00 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=71482) | Richard Bradbury | Tue, 25 Aug 2020 13:38:09 +0100 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=89959) | Thomas Stockhammer | Tue, 25 Aug 2020 16:27:39 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=93288) | Gimenez, Jordi J. | Tue, 25 Aug 2020 16:57:36 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=105777) | Peng Tan <Peng.Tan@TELUS.COM> | Tue, 25 Aug 2020 18:36:27 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=111006) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Tue, 25 Aug 2020 18:50:37 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=114471) | Peng Tan <Peng.Tan@TELUS.COM> | Tue, 25 Aug 2020 19:12:29 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=103702) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Tue, 25 Aug 2020 19:29:03 +0100 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=130425) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 05:47:43 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=143917) | Peng Tan <Peng.Tan@TELUS.COM> | Wed, 26 Aug 2020 12:22:50 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=146752) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 12:24:37 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=147630) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 26 Aug 2020 12:32:22 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=148686) | Gimenez, Jordi J. <gimenez@EBU.CH> | Wed, 26 Aug 2020 12:41:34 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=149394) | Peng Tan <Peng.Tan@TELUS.COM> | Wed, 26 Aug 2020 12:56:20 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=150288) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 26 Aug 2020 13:03:06 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=151093) | Peng Tan <Peng.Tan@TELUS.COM> | Wed, 26 Aug 2020 13:05:43 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=152755) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 26 Aug 2020 13:09:10 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=154175) | Peng Tan <Peng.Tan@TELUS.COM> | Wed, 26 Aug 2020 13:19:18 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=154978) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 26 Aug 2020 13:22:33 +0000 |
| [[8.8; 1085; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] MBMS Profile for Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=156586) | Peng Tan <Peng.Tan@TELUS.COM> | Wed, 26 Aug 2020 13:30:13 +0000 |

**Presenter: Thomas Stockhammer (Qualcomm)**

**Discussion:**

* Thomas : MBMS is not defined in 5G. But we need to bring multicast.
* Peng : I do agree that we should study different transport modes. But we should not limit that to MBMS context. MBMS profile is associated with LTE. Could be confusing to use MBMS terms in this study item. MBMS profile might be misleading.
* Thomas : We would like to see the service layer of MBMS adapted to 5G.
* Peng: wish to enhance MBMS transport modes in 5G media streaming, besides just unicast streaming as currently defined; objective is to enhance transport modes in 5GMS.
* Thomas: we should not focus on single mode other than simple transport mode – e.g. FLUTE based delivery.
* Peng: his point is that e.g. FLUTE depends on MBMS bearer; gives assumption that 5G multicast will be based on FLUTE
* Thomas: FLUTE is used for streaming, download and transparent delivery.
* Thorsten : I support Thomas who would like to study how to run FLUTE over 5G. Need to try to bring MBMS attributes on 5GMS.
* Cédric : Support also this activity. Huge work has been done on MBMS.
* Frédéric : Need to be developed.

**Decision:**

* S4-201085 is revised to S4-201268 with email approval.

**S4-201085** is revised.

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| [S4-201268](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201268.zip) | [FS\_5GMS\_Multicast] MBMS Profile for Multicast | Qualcomm Incorporated | 8.8 |

**S4-201268** is presented to SA4 plenary.

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| [S4-201086](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201086.zip) | [FS\_5GMS\_Multicast] More Thoughts on Key Issues | Qualcomm Incorporated | 8.8 |

**E-mail Discussion:**

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| [[8.8; 1086; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] More Thoughts on Key Issues](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=50502) | Gabin, Frederic | Mon, 24 Aug 2020 21:15:52 +0000 |
| [[8.8; 1086; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] More Thoughts on Key Issues](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=71976) | Julien Lemotheux | Tue, 25 Aug 2020 12:52:20 +0000 |
| [[8.8; 1086; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] More Thoughts on Key Issues](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=71737) | Richard Bradbury | Tue, 25 Aug 2020 13:51:53 +0100 |
| [[8.8; 1086; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] More Thoughts on Key Issues](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=86084) | Thorsten Lohmar | Tue, 25 Aug 2020 15:25:32 +0000 |
| [[8.8; 1086; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] More Thoughts on Key Issues](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=86657) | Thomas Stockhammer | Tue, 25 Aug 2020 15:29:16 +0000 |
| [[8.8; 1086; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] More Thoughts on Key Issues](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=78522) | Cedric THIENOT | Tue, 25 Aug 2020 15:33:32 +0200 |
| [[8.8; 1086; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] More Thoughts on Key Issues](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=90691) | Thomas Stockhammer | Tue, 25 Aug 2020 16:35:09 +0000 |
| [[8.8; 1086; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] More Thoughts on Key Issues](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=91444) | Thomas Stockhammer | Tue, 25 Aug 2020 16:38:30 +0000 |
| [[8.8; 1086; 25Aug 2000 CEST] [FS\_5GMS\_Multicast] More Thoughts on Key Issues](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=129597) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 05:45:11 +0000 |

**Presenter:**

**Discussion:**

**Decision:**

* S4-201086 is revised to S4-201272

**S4-201086** is revised.

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| [S4-201272](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201272.zip) | [FS\_5GMS\_Multicast] More Thoughts on Key Issues | Qualcomm Incorporated | 8.8 |

**S4-201272** is presented to SA4 plenary.

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| [S4-201095](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201095.zip) | Draft TR26.802 v0.0.2 | TELUS, BBC | 8.8 |

**S4-201095** is revised to **S4-201137**.

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| [S4-201137](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201137.zip) | Draft TR26.802 v0.0.2 | TELUS, BBC | 8.8 |

**E-mail Discussion:**

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| [[8.8; 1095->1137; 21Aug 0600] Draft TR 26.802 v 0.0.2 (FS\_5GMS\_Multicast) for agreement as basis for further work](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=16413) | Gabin, Frederic | Thu, 20 Aug 2020 08:01:35 +0000 |
| [[8.8; 1095->1137; 21Aug 0600] Draft TR 26.802 v 0.0.2 (FS\_5GMS\_Multicast) for agreement as basis for further work](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=23262) | Richard Bradbury | Thu, 20 Aug 2020 11:39:38 +0100 |
| [[8.8; 1095->1137; 21Aug 0600] Draft TR 26.802 v 0.0.2 (FS\_5GMS\_Multicast) for agreement as basis for further work](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=47389) | Thomas Stockhammer | Thu, 20 Aug 2020 21:06:49 +0000 |
| [[8.8; 1095->1137; 21Aug 0600] Draft TR 26.802 v 0.0.2 (FS\_5GMS\_Multicast) for agreement as basis for further work](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=48623) | Richard Bradbury | Fri, 21 Aug 2020 09:00:44 +0100 |
| [[8.8; 1095->1137; 21Aug 0600] Draft TR 26.802 v 0.0.2 (FS\_5GMS\_Multicast) for agreement as basis for further work](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=73493) | Thomas Stockhammer | Fri, 21 Aug 2020 12:56:18 +0000 |
| [[8.8; 1095->1137; 21Aug 0600] Draft TR 26.802 v 0.0.2 (FS\_5GMS\_Multicast) for agreement as basis for further work](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=77331) | Peng Tan | Fri, 21 Aug 2020 14:02:04 +0000 |
| [[8.8; 1095->1137; 21Aug 0600] Draft TR 26.802 v 0.0.2 (FS\_5GMS\_Multicast) for agreement as basis for further work](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=75940) | Cedric THIENOT | Fri, 21 Aug 2020 15:27:29 +0200 |

**S4-201137** is agreed. with comments taken into account.

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| [S4-201141](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201141.zip) | Updated Time and Work PLan for FS\_5GMS\_Multicast | TELUS | 8.8 |

**E-mail Discussion:**

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| [[8.8; 1141; 25 Aug 1400 CEST] Updated Time and Work Plan for FS\_5GMS\_Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=21830) | Gabin, Frederic | Mon, 24 Aug 2020 12:42:19 +0000 |
| [[8.8; 1141; 25 Aug 1400 CEST] Updated Time and Work Plan for FS\_5GMS\_Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=29221) | Richard Bradbury | Mon, 24 Aug 2020 15:52:19 +0100 |
| [[8.8; 1141; 25 Aug 1400 CEST] Updated Time and Work Plan for FS\_5GMS\_Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=107455) | Peng Tan <Peng.Tan@TELUS.COM> | Tue, 25 Aug 2020 18:43:13 +0000 |
| [[8.8; 1141; 25 Aug 1400 CEST] Updated Time and Work Plan for FS\_5GMS\_Multicast -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=123959) | Peng Tan <Peng.Tan@TELUS.COM> | Wed, 26 Aug 2020 02:15:52 +0000 |

**Presenter:**

**Discussion:**

**Decision:**

* S4-201241 revised to S4-201227

**S4-201141** is revised.

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| [S4-201](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201085.zip)227 | Updated time and work plan FS\_5GMS\_Multicast | Telus | 8.8 |

**Presenter: Peng Tan (Telus)**

**Discussion:**

* Frédéric : Grey meeting in the past and update SA4#111 date.

**Decision:**

* S4-201227 revised to S4-201263.

**S4-201227** is revised.

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| [S4-201](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201085.zip)263 | Updated time and work plan FS\_5GMS\_Multicast | Telus | 8.8 |

**S4-201263** is agreed without presentation to go to the plenary.

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| [S4-201158](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201158.zip) | Key issue for support of multicast ingestion and distribution | TELUS | 8.8 |

**E-mail Discussion:**

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| [[8.8; 1158; 25Aug 2000 CEST] pCR to TR 26.802 on Key issue for support of multicast ingestion and distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=51443) | Gabin, Frederic | Mon, 24 Aug 2020 21:17:52 +0000 |
| [[8.8; 1158; 25Aug 2000 CEST] pCR to TR 26.802 on Key issue for support of multicast ingestion and distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=92510) | Thomas Stockhammer | Tue, 25 Aug 2020 16:51:13 +0000 |
| [[8.8; 1158; 25Aug 2000 CEST] pCR to TR 26.802 on Key issue for support of multicast ingestion and distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=92219) | Richard Bradbury | Tue, 25 Aug 2020 17:47:24 +0100 |
| [[8.8; 1158; 25Aug 2000 CEST] pCR to TR 26.802 on Key issue for support of multicast ingestion and distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=102742) | Peng Tan <Peng.Tan@TELUS.COM> | Tue, 25 Aug 2020 18:17:55 +0000 |
| [[8.8; 1158; 25Aug 2000 CEST] pCR to TR 26.802 on Key issue for support of multicast ingestion and distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=119273) | Thorsten Lohmar <thorsten.lohmar@ERICSSON.COM> | Tue, 25 Aug 2020 20:15:08 +0000 |
| [[8.8; 1158; 25Aug 2000 CEST] pCR to TR 26.802 on Key issue for support of multicast ingestion and distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=128792) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 05:43:46 +0000 |
| [[8.8; 1158; 25Aug 2000 CEST] pCR to TR 26.802 on Key issue for support of multicast ingestion and distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=158284) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 14:13:26 +0000 |
| [[8.8; 1158; 25Aug 2000 CEST] pCR to TR 26.802 on Key issue for support of multicast ingestion and distribution -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=197550) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 27 Aug 2020 14:14:05 +0000 |

**S4-201158** is noted.

## 

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

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| [S4-201029](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201029.zip) | Draft TR 26.803 for EMSA v0.1.0 | Qualcomm India Pvt Ltd | 8.9 |

**E-mail Discussion:**

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| [[8.9; 1029; 21Aug 0600 CEST] Draft TR 26.803 for EMSA v0.1.0](https://list.etsi.org/scripts/wa.exe?A2=ind2008C&L=3GPP_TSG_SA_WG4_MBS&O=D&P=17184) | Gabin, Frederic | Thu, 20 Aug 2020 08:06:16 +0000 |

**S4-201029** is agreed.

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| [S4-201269](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201269.zip) | TR 26.803 for EMSA v0.2.0 | Qualcomm India Pvt Ltd | 8.9 |

**S4-201029** is presented to SA4 plenary.

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| [S4-201030](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201030.zip) | FS\_EMSA Updated Timeplan | Qualcomm India Pvt Ltd | 8.9 |

**E-mail Discussion:**

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| [[8.9; 1030; 25Aug 1400 CEST] FS\_EMSA Updated Timeplan -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=22790) | Gabin, Frederic | Mon, 24 Aug 2020 12:44:33 +0000 |
| [[8.9; 1030; 25Aug 1400 CEST] FS\_EMSA Updated Timeplan -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=44739) | Iraj Sodagar | Mon, 24 Aug 2020 19:38:57 +0000 |

**Presenter: Not presented**

**Discussion:**

* Imed : Need to be updated

**Decision:**

* S4-201030 is revised to S4-201264 (S4-201264 agreed without presentation to go to the plenary).

**S4-201030** is revised to **S4-201264.**

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| [S4-201264](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201264.zip) | FS\_EMSA Updated Timeplan | Qualcomm India Pvt Ltd | 8.9 |

**E-mail Discussion:**

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| [[8.9; 1264; 27Aug 1900 CEST] Draft Time Plan for the EMSA Study Item v0.4.0 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=177445) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 22:38:29 +0000 |
| [[8.9; 1264; 27Aug 1900 CEST] Draft Time Plan for the EMSA Study Item v0.4.0 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=178403) | Iraj Sodagar <irajs@LIVE.COM> | Wed, 26 Aug 2020 22:51:48 +0000 |
| [[8.9; 1264; 27Aug 1900 CEST] Draft Time Plan for the EMSA Study Item v0.4.0 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=182544) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 27 Aug 2020 09:38:34 +0100 |
| [[8.9; 1264; 27Aug 1900 CEST] Draft Time Plan for the EMSA Study Item v0.4.0 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=198396) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 27 Aug 2020 14:16:09 +0000 |

**S4-201064** is presented to SA4 plenary.

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| [S4-201031](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201031.zip) | Update Overview of Ongoing Edge Activities | Qualcomm India Pvt Ltd | 8.9 |

**E-mail Discussion:**

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| [[8.9; 1031; 25Aug 2000 CEST] Update Overview of Ongoing Edge Activities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=52436) | Gabin, Frederic | Mon, 24 Aug 2020 21:23:20 +0000 |
| [[8.9; 1031; 25Aug 2000 CEST] Update Overview of Ongoing Edge Activities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=57173) | Iraj Sodagar | Tue, 25 Aug 2020 02:01:45 +0000 |
| [[8.9; 1031; 25Aug 2000 CEST] Update Overview of Ongoing Edge Activities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=60438) | Thomas Stockhammer | Tue, 25 Aug 2020 05:53:22 +0000 |
| [[8.9; 1031; 25Aug 2000 CEST] Update Overview of Ongoing Edge Activities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=67352) | panqi (E) | Tue, 25 Aug 2020 11:18:34 +0000 |
| [[8.9; 1031; 25Aug 2000 CEST] Update Overview of Ongoing Edge Activities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=76411) | Imed Bouazizi | Tue, 25 Aug 2020 13:20:58 +0000 |
| [[8.9; 1031; 25Aug 2000 CEST] Update Overview of Ongoing Edge Activities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=79391) | Imed Bouazizi | Tue, 25 Aug 2020 13:34:57 +0000 |
| [[8.9; 1031; 25Aug 2000 CEST] Update Overview of Ongoing Edge Activities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=106673) | Iraj Sodagar <irajs@LIVE.COM> | Tue, 25 Aug 2020 18:38:48 +0000 |
| [[8.9; 1031; 25Aug 2000 CEST] Update Overview of Ongoing Edge Activities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=110250) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Tue, 25 Aug 2020 18:48:25 +0000 |
| [[8.9; 1031; 25Aug 2000 CEST] Update Overview of Ongoing Edge Activities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=111905) | Imed Bouazizi <BOUAZIZI@QTI.QUALCOMM.COM> | Tue, 25 Aug 2020 18:53:26 +0000 |
| [[8.9; 1031; 25Aug 2000 CEST] Update Overview of Ongoing Edge Activities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=128058) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 05:42:12 +0000 |

**Presenter: Not presented**

**Discussion:**

* Frédéric : Clarify by the emails.
* Iraj : Can we change the title 2 Edge activities to SA Edge activities
* Qi Pan : In clause 2, SA2 rel-17, for the 4th key issue it is out of the scope of the rel-17 study.
* Imed : I agree. For the time being, we can remove “the identified solutions can be classified as follows part”.

**Decision:**

* **S4-201031** is agreed with editors modifications.

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| [S4-201037](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201037.zip) | Use case for delivery of 3D content (point cloud, mesh) for AR/MR device | Samsung R&D Institute UK | 8.9 |

**E-mail Discussion:**

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| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=53389) | Gabin, Frederic | Mon, 24 Aug 2020 21:25:34 +0000 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=57926) | Iraj Sodagar | Tue, 25 Aug 2020 02:23:48 +0000 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=68773) | Thomas Stockhammer | Tue, 25 Aug 2020 11:42:53 +0000 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=59729) | Sungryeul Rhyu | Tue, 25 Aug 2020 11:57:42 +0900 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=70701) | Thomas Stockhammer | Tue, 25 Aug 2020 12:12:40 +0000 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=81072) | Thomas Stockhammer | Tue, 25 Aug 2020 14:07:52 +0000 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=62929) | Sungryeul Rhyu | Tue, 25 Aug 2020 17:19:01 +0900 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=69760) | Sungryeul Rhyu | Tue, 25 Aug 2020 21:02:26 +0900 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=80175) | Sungryeul Rhyu | Tue, 25 Aug 2020 22:46:40 +0900 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=127267) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 05:40:16 +0000 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=123184) | Sungryeul Rhyu <sungryeul@GMAIL.COM> | Wed, 26 Aug 2020 07:54:05 +0900 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=135592) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 26 Aug 2020 09:50:31 +0000 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=141781) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 26 Aug 2020 12:02:54 +0000 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=159076) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 14:14:08 +0000 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=137331) | Sungryeul Rhyu <sungryeul@GMAIL.COM> | Wed, 26 Aug 2020 20:05:03 +0900 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=144699) | Sungryeul Rhyu <sungryeul@GMAIL.COM> | Wed, 26 Aug 2020 21:23:56 +0900 |
| [[8.9; 1037; 25Aug 2000 CEST] Use case for delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=199167) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 27 Aug 2020 14:17:16 +0000 |

**S4-201037** is noted.

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| [S4-201038](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201038.zip) | Use case for partial delivery of 3D content (point cloud, mesh) for AR/MR device | Samsung R&D Institute UK | 8.9 |

**E-mail Discussion:**

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| [[8.9; 1038; 27Aug 1600 CEST] FS\_EMSA Use case for partial delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=159851) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 14:16:37 +0000 |
| [[8.9; 1038; 27Aug 1600 CEST] FS\_EMSA Use case for partial delivery of 3D content (point cloud, mesh) for AR/MR device -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=199995) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 27 Aug 2020 14:18:53 +0000 |

**S4-201038** is agreed.

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| [S4-201039](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201039.zip) | Use case for synchronization of multiple UEs in millisecond accuracy | Samsung R&D Institute UK | 8.9 |

**E-mail Discussion:**

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| --- | --- | --- |
| [[8.9; 1039; 27Aug 1600 CEST] FS\_EMSA Use case for synchronization of multiple UEs in millisecond accuracy -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=160852) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 14:17:47 +0000 |
| [[8.9; 1039; 27Aug 1600 CEST] FS\_EMSA Use case for synchronization of multiple UEs in millisecond accuracy -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=186678) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Thu, 27 Aug 2020 11:29:49 +0000 |
| [[8.9; 1039; 27Aug 1600 CEST] FS\_EMSA Use case for synchronization of multiple UEs in millisecond accuracy -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=200820) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 27 Aug 2020 14:20:25 +0000 |

**S4-201039** is noted.

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| [S4-201040](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201040.zip) | Use case for MEC and remote controller UE | Samsung R&D Institute UK | 8.9 |

**E-mail Discussion:**

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| [[8.9; 1040; 27Aug 1600 CEST] FS\_EMSA Use case for MEC and remote controller UE -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=161841) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 14:18:39 +0000 |
| [[8.9; 1040; 27Aug 1600 CEST] FS\_EMSA Use case for MEC and remote controller UE -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=190830) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Thu, 27 Aug 2020 12:57:19 +0000 |
| [[8.9; 1040; 27Aug 1600 CEST] FS\_EMSA Use case for MEC and remote controller UE -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=201652) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 27 Aug 2020 14:21:19 +0000 |
| [[8.9; 1040; 27Aug 1600 CEST] FS\_EMSA Use case for MEC and remote controller UE -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=192421) | Sungryeul Rhyu <sungryeul@GMAIL.COM> | Thu, 27 Aug 2020 22:29:01 +0900 |
| [[8.9; 1040; 27Aug 1600 CEST] FS\_EMSA Use case for MEC and remote controller UE -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=193374) | Sungryeul Rhyu <sungryeul@GMAIL.COM> | Thu, 27 Aug 2020 22:30:36 +0900 |

**S4-201040** is noted.

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| [S4-201063](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201063.zip) | FS\_ESMA: Streaming use-cases V4 | Tencent | 8.9 |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.9; 1063; 25Aug 2000 CEST] FS\_EMSA: Streaming use-cases V4 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=54373) | Gabin, Frederic | Mon, 24 Aug 2020 21:27:43 +0000 |
| [[8.9; 1063; 25Aug 2000 CEST] FS\_EMSA: Streaming use-cases V4 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=75650) | Thomas Stockhammer | Tue, 25 Aug 2020 13:19:32 +0000 |
| [[8.9; 1063; 25Aug 2000 CEST] FS\_EMSA: Streaming use-cases V4 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=72906) | Richard Bradbury | Tue, 25 Aug 2020 14:10:00 +0100 |
| [[8.9; 1063; 25Aug 2000 CEST] FS\_EMSA: Streaming use-cases V4 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=126483) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 05:36:44 +0000 |
| [[8.9; 1063; 25Aug 2000 CEST] FS\_EMSA: Streaming use-cases V4 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=151897) | Iraj Sodagar <irajs@LIVE.COM> | Wed, 26 Aug 2020 13:05:55 +0000 |
| [[8.9; 1063; 25Aug 2000 CEST] FS\_EMSA: Streaming use-cases V4 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=153389) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 26 Aug 2020 13:14:23 +0000 |
| [[8.9; 1063; 25Aug 2000 CEST] FS\_EMSA: Streaming use-cases V4 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=155834) | Iraj Sodagar <irajs@LIVE.COM> | Wed, 26 Aug 2020 13:24:54 +0000 |
| [[8.9; 1063; 25Aug 2000 CEST] FS\_EMSA: Streaming use-cases V4 -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=157348) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Wed, 26 Aug 2020 13:31:51 +0000 |

**Presenter: Iraj Sodagar (Tencent)**

**Discussion:**

* Frédéric : Only the use case in 3.1 is agreed

**Decision:**

**S4-201063** is partially agreed.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-201064](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201064.zip) | FS\_EMSA: Use cases for Optimizing uplink streaming content | Huawei Technologies France | 8.9 |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.9; 1064; 27Aug 1600 CEST] FS\_EMSA: Use cases for Optimizing uplink streaming content -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=162802) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 14:19:35 +0000 |
| [[8.9; 1064; 27Aug 1600 CEST] FS\_EMSA: Use cases for Optimizing uplink streaming content -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=196382) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Thu, 27 Aug 2020 13:56:09 +0000 |
| [[8.9; 1064; 27Aug 1600 CEST] FS\_EMSA: Use cases for Optimizing uplink streaming content -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=202420) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 27 Aug 2020 14:22:09 +0000 |

**S4-201064** is noted.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-201087](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201087.zip) | [FS\_EMSA] Use cases for EMSA Study | Qualcomm Incorporated | 8.9 |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.9; 1087; 27Aug 1600 CEST] [FS\_EMSA] Use cases for EMSA Study -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=163773) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 14:20:56 +0000 |
| [[8.9; 1087; 27Aug 1600 CEST] [FS\_EMSA] Use cases for EMSA Study -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=203217) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 27 Aug 2020 14:23:31 +0000 |

**S4-201087** is agreed.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-201135](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201135.zip) | New Use Case on Multi-camera Uplink Stream Processing | China Mobile Com. Corporation | 8.9 |

**S4-201135** is revised to **S4-201136**.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-201136](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201136.zip) | New Use Case on Multi-camera Uplink Stream Processing | China Mobile Com. Corporation | 8.9 |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.9; 1136; 25Aug 2000 CEST] New Use Case on Multi-camera Uplink Stream Processing -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=191579) | Imed Bouazizi <BOUAZIZI@QTI.QUALCOMM.COM> | Thu, 27 Aug 2020 13:27:35 +0000 |
| [[8.9; 1136; 25Aug 2000 CEST] New Use Case on Multi-camera Uplink Stream Processing -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=206453) | tengyidan <tengyidan@HUAWEI.COM> | Thu, 27 Aug 2020 14:33:43 +0000 |
| [[8.9; 1136; 25Aug 2000 CEST] New Use Case on Multi-camera Uplink Stream Processing -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=197292) | Jiajun Zhou <zhoujiajun@CHINAMOBILE.COM> | Thu, 27 Aug 2020 21:57:25 +0800 |

**Presenter:**

**Discussion:**

**Decision:**

* S4-201136 is revised to S4-201265

**S4-201136** is revised.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-201265](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201265.zip) | New Use Case on Multi-camera Uplink Stream Processing | China Mobile Com. Corporation | 8.9 |

**S4-201136** is presented to SA4 plenary.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-201138](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201138.zip) | [FS\_EMSA] Use Cases for Augmented Video Streaming | China Mobile Com. Corporation | 8.9 |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.9; 1138; 27Aug 1600 CEST] [FS\_EMSA] Use Cases for Augmented Video Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=164719) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 14:21:42 +0000 |
| [[8.9; 1138; 27Aug 1600 CEST] [FS\_EMSA] Use Cases for Augmented Video Streaming -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=203933) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 27 Aug 2020 14:24:27 +0000 |

**S4-201138** is agreed.

|  |  |  |  |
| --- | --- | --- | --- |
| [S4-201144](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201144.zip) | FS\_EMSA: Proposing a gap analysis approach for required edge capabilities | Tencent | 8.9 |

**E-mail Discussion:**

|  |  |  |
| --- | --- | --- |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=165680) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Wed, 26 Aug 2020 14:22:37 +0000 |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=168654) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Wed, 26 Aug 2020 17:02:13 +0100 |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=173896) | Iraj Sodagar <irajs@LIVE.COM> | Wed, 26 Aug 2020 18:52:02 +0000 |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=174821) | Iraj Sodagar <irajs@LIVE.COM> | Wed, 26 Aug 2020 19:26:32 +0000 |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=175735) | Imed Bouazizi <BOUAZIZI@QTI.QUALCOMM.COM> | Wed, 26 Aug 2020 20:44:56 +0000 |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=176635) | Iraj Sodagar <irajs@LIVE.COM> | Wed, 26 Aug 2020 21:16:19 +0000 |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=179002) | Iraj Sodagar <irajs@LIVE.COM> | Wed, 26 Aug 2020 22:57:20 +0000 |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=181087) | Thomas Stockhammer <tsto@QTI.QUALCOMM.COM> | Thu, 27 Aug 2020 07:59:34 +0000 |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=205602) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 27 Aug 2020 14:28:13 +0000 |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=207774) | Imed Bouazizi <BOUAZIZI@QTI.QUALCOMM.COM> | Thu, 27 Aug 2020 15:36:43 +0000 |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=209012) | Iraj Sodagar <irajs@LIVE.COM> | Thu, 27 Aug 2020 16:15:57 +0000 |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=209864) | Gabin, Frederic <Frederic.Gabin@DOLBY.COM> | Thu, 27 Aug 2020 16:21:27 +0000 |
| [[8.9; 1144; 27Aug 1600 CEST] FS\_EMSA: Proposing a gap analysis approach for required edge capabilities -> for agreement](https://list.etsi.org/scripts/wa.exe?A2=ind2008D&L=3GPP_TSG_SA_WG4_MBS&O=D&P=212185) | Richard Bradbury <richard.bradbury@RD.BBC.CO.UK> | Thu, 27 Aug 2020 18:38:30 +0100 |

**S4-201144** is partially agreed.

|  |  |  |  |
| --- | --- | --- | --- |
| S4-201156 | New use case on 3D indoor surveillance cameras cluster | Beijing Xiaomi Electronics | 8.9 |

**S4-201156** is withdrawn.

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

None

## 8.11 Others including TEI

None

## 8.12 Review of the future work plan

See time plans.

## 8.13 Any Other Business

None

## 8.14 Close of the session

The chairman thanked the delegates and closed the meeting at 1532 CEST on 26th August 2020.

E-mail approval was closed on 1600 CEST on 27th August 2020.

Tdoc SA4-201144 email approval was extended until 1900 CEST on 27th August 2020..

## Annex A: Attendees

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME LAST** | **FIRST** | **COMPANY** | **Attended** |
| Gabin | **Frédéric** | **Dolby** | Yes |
| Goldrei | **Simon** | **Apple** | Yes |
| Plante | **Fabrice** | **Apple** | Yes |
| Hu | **James** | **AT&T** | Yes |
| Biatek | **Thibaud** | **Ateme** | Yes |
| Bradbury | **Richard** | **BBC Research & Development** | Yes |
| Yin | **Yujian** | **China Mobile** | Yes |
| Zhou | **JiaJun** | **China Mobile** | Yes |
| Lee | **Brian** | **Dolby** | Yes |
| Thienot | **Cédric** | **Enensys** | Yes |
| Heikkilä | **Gunnar** | **Ericsson** | Yes |
| Lohmar | **Thorsten** | **Ericsson** | Yes |
| Sanchez | **Yago** | **Fraunhofer HHI** | Yes |
| Singh | **Gurdeep** | **Fraunhofer HHI** | Yes |
| Pan | **Qi** | **Huawei** | Yes |
| Teng | **Yidan** | **Huawei** | Yes |
| Fourdeux | **Henri** | **InterDigital** | Yes |
| Hamza | **Ahmed** | **InterDigital Communications** | Yes |
| Gudumasu | **Srinivas** | **InterDigital** | Yes |
| Oh | **Sejin** | **LG Electronics Inc.** | Yes |
| Han | **Jaeshin** | **LG Electronics Inc.** | Yes |
| Saha | **Jayeeta** | **MCC** | Yes |
| Curcio | **Igor** | **Nokia** | Yes |
| Ahsan | **Saba** | **Nokia** | Yes |
| Lemotheux | **Julien** | **Orange** | Yes |
| Bouazizi | **Imed** | **Qualcomm Incorporated** | Yes |
| Lo | **Charles** | **Qualcomm Incorporated** | Yes |
| Rusanovskyy | **Dmytro** | **Qualcomm** | Yes |
| Stockhammer | **Thomas** | **Qualcomm Incorporated** | Yes |
| Lee | **Ryan** | **Samsung** | Yes |
| Rhyu | **Sungryeul** | **Samsung** | Yes |
| Yang | **Hyun-Koo** | **Samsung Electronics** | Yes |
| Song | **Jaeyeon** | **Samsung** | Yes |
| Prakash | **Kolan** | **Samsung** | Yes |
| Szucs | **Paul** | **Sony Corporation** | Yes |
| Isberg | **Peter** | **Sony** | Yes |
| Gibellino | **Diego** | **Telecom Italia** | Yes |
| Tan | **Peng** | **TELUS** | Yes |
| Sodagar | **Iraj** | **Tencent America** | Yes |
| Teniou | **Gilles** | **Tencent** | Yes |
| Zhang | **Zhuoyun** | **Tencent** | Yes |
| Abhishek | **Rohit** | **Tencent** | Yes |
| Zhang | **Zhiyuan** | **CMCC** | Yes |
| Huang | **Chen** | **ZTE** | Yes |
| Kyunghun | **Jung** | **Samsung** | Yes |
| Yaxian | **Bai** | **ZTE** | Yes |
| O’Leary | **Edward** | **Rogers** | Yes |
| Champel | **Mary-Luc** | **XiaoMi** | Yes |

# Annex B: Final agenda

|  |  |  |
| --- | --- | --- |
| 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 | 1119n (CTA/WAVE) |
| 8.4 | Issues for immediate consideration | 1005n |
| 8.5 | CRs to features in Release 15 and earlier |  |
| 8.6 | CRs to completed features in Release 16 | 26.501: 1055n, 1058n, 1218a (plenary), 1059a (plenary), 1097->1209->1224a (plenary) |
| 8.7 | 5GMS3 (5G Media Streaming stage 3) | 26.512: 1002->1092a, 1211 (plenary), 1003->1210a, 1004a, 1035->1212a, 1050->1208a, 1051->1219->1228->1266 (plenary), 1220->1229->1274a, 1052->1213a, 1056->1270->1271a, 1060n, 1071->1215->1230a, 1070m (1217), 1073->1217->1231a, 1074->1221a, 1093->1232 (plenary), 1114a, 1140->1225a1033m (1266), 1036n, 1076n, 1034n26.247: 1072->1216->1222->1260a (plenary)26.511: 1075->1214->1223->1261a (plenary)WIS: 1094->1226->1262e (plenary)TP: 1267 (plenary) |
| 8.8 | FS\_5GMS\_Multicast (Feasibility Study on Multicast Architecture Enhancements for 5GMSA) | 26.802: 1095->1137a, 1085->1268 (plenary), 1086->1272 (plenary), 1158nTP: 1141->1227->1263a (plenary) |
| 8.9 | FS\_EMSA (Feasibility Study on Streaming Architecture extensions For Edge processing) | 26.803: 1029a, 1269 (plenary)~~1156~~TP: 1030->1264 (plenary)1031a, 1037n, 1038a, 1039n, 1040n, 1063pa, 1064n, 1087a, 1135->1136->1265 (plenary), 1138a, 1144pa,1032n |
| 8.10 | New Work / New Work Items and Study Items |  |
| 8.11 | Others including TEI |  |
| 8.12 | Review of the future work plan (next meeting dates, hosts) |  |
| 8.13 | Any Other Business |  |
| 8.14 | Close of the session |  |
| 13.2 | MBS SWG | 1204, Tdoc status transfer |
| 14 | CRs to completed features in Release 16 and earlier | TS 26.501: 1059, 1224, 1218 |
| 15 | Release 16 features with granted exceptions |  |
| 15.1 | 5GMS3 (5G Media Streaming stage 3) | 26.116: 125726.512: 1266, 1232, 121126.247: 126026.511: 1261WIS: 1262TP: 1267 |
| 17 | Study Items |  |
| 17.1 | FS\_5GMS\_Multicast (Feasibility Study on Multicast Architecture Enhancements for 5GMSA) | 26.802: 1137, 1268, 1272TP: 1263 |
| 17.3 | FS\_EMSA (Feasibility Study on Streaming Architecture extensions For Edge processing) | 26.803: 1029, 1269TP: 1264 |

# Annex C - Documents status

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **For** | **SWG Agenda item** | **TDoc Status** | **Revised to** | **Plenary Agenda item** |
| [**S4-201004**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4-201004.zip) | Informative annex on Content Hosting Configuration examples | BBC | Agreement | 8.7 | **agreed** |  | n/a |
| [**S4-201031**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201031.zip) | Update Overview of Ongoing Edge Activities | Qualcomm India Pvt Ltd |  | 8.9 | **agreed** |  | n/a |
| [**S4-201063**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201063.zip) | FS\_ESMA: Streaming use-cases V4 | Tencent | Agreement | 8.9 | **Partially agreed** |  | n/a |
| [**S4-201092**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201092.zip) | 5G Media Streaming (5GMS); Protocols | Ericsson GmbH, Eurolab | Agreement | 8.7 | **agreed** |  | n/a |
| [**S4-201114**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201114.zip) | Spec structure - interfaces and APIs | Sony Europe B.V. | Agreement | 8.7 | **agreed** |  | n/a |
| [**S4-201144**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201144.zip) | FS\_EMSA: Proposing a gap analysis approach for required edge capabilities | Tencent | Agreement | 8.9 | **Partially agreed** |  | n/a |
| S4-201208 | Informative Annex on Parameter Population | Ericsson LM | Agreement | 8.7 | **agreed** |  | n/a |
| S4-201210 | Completion of Ingest Protocols API | BBC | Agreement | 8.7 | **agreed** |  | n/a |
| S4-201212 | Updates on Rest APIs for 5GMS3 | Qualcomm India Pvt Ltd |  | 8.7 | **agreed** |  | n/a |
| S4-201213 | Addition of General Sections | Ericsson LM | Agreement | 8.7 | **agreed** |  | n/a |
| S4-201221 | DASH/CMAF in 5GMS | Qualcomm Incorporated | Agreement | 8.7 | **agreed** |  | n/a |
| S4-201225 | Update on consumption reporting | ENENSYS, BBC | Agreement | 8.7 | **agreed** |  | n/a |
| S4-201229 | pCR TS 26.512 Correction of the Policy Template resource state transitions | Ericsson LM, BBC | Agreement | 8.7 | **agreed** |  | n/a |
| S4-201230 | M6d APIs for 5GMS | Qualcomm Incorporated | Agreement | 8.7 | **agreed** |  | n/a |
| S4-201231 | M7d APIs for 5GMS and Service Description | Qualcomm Incorporated | Agreement | 8.7 | **agreed** |  | n/a |
| S4-201271 | Update on Metrics Reporting | Ericsson LM, BBC, Qualcomm Incorporated | Agreement | 8.7 | **agreed** |  | n/a |

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **For** | **SWG Agenda item** | **TDoc Status** | **Revised to** | **Plenary Agenda item** |
| [**S4-201029**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201029.zip) | Draft TR 26.803 for EMSA v0.1.0 | Qualcomm India Pvt Ltd |  | 8.9 | **agreed** |  | 17.3 |
| [**S4-201038**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201038.zip) | Use case for partial delivery of 3D content (point cloud, mesh) for AR/MR device | Samsung R&D Institute UK | Agreement | 8.9 | **agreed** |  | 14 |
| [**S4-201059**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201059.zip) | Corrections and Clarifications on Metrics and Consumption Reporting | Qualcomm Incorporated | Agreement | 8.6 | **agreed** |  | 14 |
| [**S4-201087**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201087.zip) | [FS\_EMSA] Use cases for EMSA Study | Qualcomm Incorporated | Agreement | 8.9 | **agreed** |  | 14 |
| [**S4-201137**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201137.zip) | Draft TR26.802 v0.0.2 | TELUS, BBC | Approval | 8.8 | **agreed** |  | 17.1 |
| [**S4-201138**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201138.zip) | [FS\_EMSA] Use Cases for Augmented Video Streaming | China Mobile Com. Corporation | Agreement | 8.9 | **agreed** |  | 14 |
| S4-201218 | CR to TS 26.501 Corrections on Metrics (Rel-16) | Qualcomm Incorporated, Ericsson LM, BBC, Sony Europe B.V. | Agreement | 8.6 | **agreed** |  | 14 |
| S4-201224 | CR to TS 26.501-0019 Corrections and Clarifications on Network Assistance | Qualcomm Incorporated | Agreement | 8.6 | **agreed** |  | 14 |
| yyS4-201260 | CR to TS 26.247-XXXX DASH Profile for CMAF (5GMS3/Rel-16) | Qualcomm Incorporated | Agreement | 8.7 | **agreed** |  | 15.1 |
| S4-201261 | CR to TS 26.511-xxxx Corrections to 5G Media Streaming | Qualcomm Incorporated | Agreement | 8.7 | **agreed** |  | 15.1 |
| S4-201262 | 5GMS3 work item summary | Sony Europe B.V. | Approval | 8.7 | **Endorsed** |  | 15.1 |
| S4-201263 | Updated Time and Work PLan for FS\_5GMS\_Multicast | TELUS |  | 8.8 | **agreed** |  | 17.1 |

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

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **For** | **SWG Agenda item** | **TDoc Status** | **Revised to** | **Plenary Agenda item** |
| [**S4-201002**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4-201002.zip) | 5G Media Streaming (5GMS); Protocols | Ericsson LM |  | 8.7 | **revised** | S4-201092 | n/a |
| [**S4-201003**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4-201003.zip) | Completion of Ingest Protocols API | BBC | Agreement | 8.7 | **revised** | S4-201210 | n/a |
| [**S4-201005**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4-201005.zip) | Discussion on extending 5GMS architecture for edge processing and multicast | BBC | Discussion | 8.4 | **Noted** |  | n/a |
| [**S4-201030**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201030.zip) | FS\_EMSA Updated Timeplan | Qualcomm India Pvt Ltd |  | 8.9 | **revised** | S4-201264 | n/a |
| [**S4-201032**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201032.zip) | EMSA - Initial Architecture Mapping | Qualcomm India Pvt Ltd |  | 8.9 | **Noted** |  | n/a |
| [**S4-201033**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201033.zip) | pCR on AF-Based Network Assistance | Qualcomm India Pvt Ltd |  | 8.7 | **Merged** | S4-201266 | n/a |
| [**S4-201034**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201034.zip) | MSH-assisted Traffic Filtering | Qualcomm India Pvt Ltd |  | 8.7 | **Noted** |  | n/a |
| [**S4-201035**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201035.zip) | Updates on Rest APIs for 5GMS3 | Qualcomm India Pvt Ltd |  | 8.7 | **revised** | S4-201212 | n/a |
| [**S4-201036**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201036.zip) | 5GMS AF Exposure Services | Qualcomm India Pvt Ltd |  | 8.7 | **Noted** |  | n/a |
| [**S4-201037**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201037.zip) | Use case for delivery of 3D content (point cloud, mesh) for AR/MR device | Samsung R&D Institute UK | Agreement | 8.9 | **Noted** |  | n/a |
| [**S4-201039**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201039.zip) | Use case for synchronization of multiple UEs in millisecond accuracy | Samsung R&D Institute UK | Agreement | 8.9 | **Noted** |  | n/a |
| [**S4-201040**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201040.zip) | Use case for MEC and remote controller UE | Samsung R&D Institute UK | Agreement | 8.9 | **Noted** |  | n/a |
| [**S4-201050**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201050.zip) | Informative Annex on Parameter Population | Ericsson LM | Agreement | 8.7 | **revised** | S4-201208 | n/a |
| [**S4-201051**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201051.zip) | Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API | Ericsson LM | Agreement | 8.7 | **revised** | S4-201219 | n/a |
| [**S4-201052**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201052.zip) | Addition of General Sections | Ericsson LM | Agreement | 8.7 | **revised** | S4-201213 | n/a |
| [**S4-201055**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201055.zip) | Correction of Metrics Collection and Reporting | Ericsson LM | Agreement | 8.6 | **Noted** |  | n/a |
| [**S4-201056**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201056.zip) | Update on Metrics Reporting | Ericsson LM | Agreement | 8.7 | **revised** | S4-201270 | n/a |
| [**S4-201058**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201058.zip) | Corrections on Metrics Configuration and Reporting | Qualcomm Incorporated | Agreement | 8.6 | **Noted** |  | n/a |
| [**S4-201060**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201060.zip) | Metrics Reporting API for 5GMS | Qualcomm Incorporated | Agreement | 8.7 | **Noted** |  | n/a |
| [**S4-201064**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201064.zip) | FS\_EMSA: Use cases for Optimizing uplink streaming content | Huawei Technologies France |  | 8.9 | **Noted** |  | n/a |
| [**S4-201070**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201070.zip) | M7d APIs for 5GMS | Qualcomm Incorporated | Agreement | 8.7 | **merged** | S4-201217 | n/a |
| [**S4-201071**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201071.zip) | M6d APIs for 5GMS | Qualcomm Incorporated | Agreement | 8.7 | **revised** | S4-201215 | n/a |
| [**S4-201072**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201072.zip) | DASH Profile for CMAF | Qualcomm Incorporated | Agreement | 8.7 | **revised** | S4-201216 | n/a |
| [**S4-201073**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201073.zip) | Service Description | Qualcomm Incorporated | Agreement | 8.7 | **revised** | S4-201217 | n/a |
| [**S4-201074**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201074.zip) | DASH/CMAF in 5GMS | Qualcomm Incorporated | Agreement | 8.7 | **revised** | S4-201221 | n/a |
| [**S4-201075**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201075.zip) | Context of TS 26.511 in 5G Media Streaming | Qualcomm Incorporated | Agreement | 8.7 | **revised** | S4-201214 | n/a |
| [**S4-201076**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201076.zip) | Proposed General Updates to TS 26.512 | Qualcomm Incorporated | Agreement | 8.7 | **Noted** |  | n/a |
| [**S4-201085**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201085.zip) | [FS\_5GMS\_Multicast] MBMS Profile for Multicast | Qualcomm Incorporated | Agreement | 8.8 | **revised** | S4-201268 | n/a |
| [**S4-201086**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201086.zip) | [FS\_5GMS\_Multicast] More Thoughts on Key Issues | Qualcomm Incorporated | Agreement | 8.8 | **revised** | S4-201272 | n/a |
| [**S4-201093**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201093.zip) | AF-based network assistance | Sony Europe B.V., Ericsson LM | Agreement | 8.7 | **revised** | S4-201232 | n/a |
| [**S4-201094**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201094.zip) | 5GMS3 work item summary | Sony Europe B.V. | Approval | 8.7 | **revised** | S4-201226 | n/a |
| [**S4-201095**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201095.zip) | Draft TR26.802 v0.0.2 | TELUS, BBC | Approval | 8.8 | **revised** | S4-201137 | n/a |
| [**S4-201097**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201097.zip) | Corrections and Clarifications on Network Assistance | Qualcomm Incorporated | Agreement | 8.6 | **revised** | S4-201209 | n/a |
| [**S4-201135**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201135.zip) | New Use Case on Multi-camera Uplink Stream Processing | China Mobile Com. Corporation | Agreement | 8.9 | **revised** | S4-201136 | n/a |
| [**S4-201136**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201136.zip) | New Use Case on Multi-camera Uplink Stream Processing | China Mobile Com. Corporation | Agreement | 8.9 | **revised** | S4-201265 | n/a |
| [**S4-201140**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201140.zip) | Update on consumption reporting | ENENSYS, BBC | Agreement | 8.7 | **revised** | S4-201225 | n/a |
| [**S4-201141**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201141.zip) | Updated Time and Work PLan for FS\_5GMS\_Multicast | TELUS |  | 8.8 | **revised** | S4-201227 | n/a |
| S4-201156 | New use case on 3D indoor surveillance cameras cluster | Beijing Xiaomi Electronics | Discussion | 8.9 | **withdrawn** |  | n/a |
| [**S4-201158**](http://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_110-e/Docs/S4-201158.zip) | Key issue for support of multicast ingestion and distribution | TELUS | Agreement | 8.8 | **Noted** |  | n/a |
| yyS4-201209 | Corrections and Clarifications on Network Assistance | Qualcomm Incorporated | Agreement | 8.6 | **revised** | S4-201224 | n/a |
| S4-201214 | Context of TS 26.511 in 5G Media Streaming | Qualcomm Incorporated | Agreement | 8.7 | **revised** | S4-201223 | n/a |
| S4-201215 | M6d APIs for 5GMS | Qualcomm Incorporated | Agreement | 8.7 | **revised** | S4-201230 | n/a |
| S4-201216 | DASH Profile for CMAF | Qualcomm Incorporated | Agreement | 8.7 | **revised** | S4-201222 | n/a |
| S4-201217 | M7d APIs for 5GMS and Service Description | Qualcomm Incorporated | Agreement | 8.7 | **revised** | S4-201231 | n/a |
| S4-201219 | Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API | Ericsson LM | Agreement | 8.7 | **revised** | S4-201228 | n/a |
| S4-201220 | pCR TS 26.512 Correction of the Policy Template resource state transitions | Ericsson LM, BBC | Agreement | 8.7 | **revised** | S4-201229 | n/a |
| S4-201222 | CR to TS 26.247-XXXX DASH Profile for CMAF (5GMS3/Rel-16) | Qualcomm Incorporated | Agreement | 8.7 | **revised** | S4-201260 | n/a |
| S4-201223 | CR to TS 26.511-xxxx Corrections to 5G Media Streaming | Qualcomm Incorporated | Agreement | 8.7 | **revised** | S4-201261 | n/a |
| S4-201226 | 5GMS3 work item summary | Sony Europe B.V. | Approval | 8.7 | **revised** | S4-201262 | n/a |
| S4-201227 | Updated Time and Work PLan for FS\_5GMS\_Multicast | TELUS |  | 8.8 | **revised** | S4-201263 | n/a |
| S4-201228 | Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API | Ericsson LM | Agreement | 8.7 | **revised** | S4-201266 | n/a |
| S4-201270 | Update on Metrics Reporting | Ericsson LM, BBC | Agreement | 8.7 | **revised** | S4-201271 | n/a |

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

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| **TDoc** | **Title** | **Source** | **For** | **SWG Agenda item** | **TDoc Status** | **Revised to** | **Plenary Agenda item** |
| S4-201211 | TS 26.512 5G Media Streaming (5GMS); Protocols, v1.4.0 | Ericsson GmbH, Eurolab | Agreement | 8.7 | **Not treated** |  | 15.1 |
| S4-201232 | AF-based network assistance | Sony Europe B.V., Ericsson LM | Agreement | 8.7 | **Not treated** |  | 15.1 |
| S4-201264 | FS\_EMSA Updated Timeplan | Qualcomm India Pvt Ltd |  | 8.9 | **Not treated** |  | 17.3 |
| S4-201265 | New Use Case on Multi-camera Uplink Stream Processing | China Mobile Com. Corporation | Agreement | 8.9 | reserved |  | 17.3 |
| S4-201266 | Update on M5 Dynamic Policy activation API and M1 Policy Template Provisioning API | Ericsson LM | Agreement | 8.7 | **Not treated** |  | 15.1 |
| S4-201267 | 5GMS3 Workplan | Rapporteur (Sony) | Agreement | 8.7 | **Not treated** |  | 15.1 |
| S4-201268 | [FS\_5GMS\_Multicast] MBMS Profile for Multicast | Qualcomm Incorporated | Agreement | 8.8 | **Not treated** |  | 17.1 |
| S4-201269 | Draft TR 26.803 for EMSA v0.2.0 | Qualcomm India Pvt Ltd |  | 8.9 | **Not treated** |  | 17.3 |
| S4-201272 | [FS\_5GMS\_Multicast] More Thoughts on Key Issues | Qualcomm Incorporated | Agreement | 8.8 | **Not treated** |  | 17.1 |

1. **Frédéric Gabin**

   Email: 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)