**3GPP TSG-SA WG6 Meeting #45-e S6-211862**

**e-meeting, 25th August – 3rd September 2021**

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Title: SA6 Meeting 44-e report

Agenda Item: 3

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*Abstract: Meeting report of 3GPP SA6 meeting #44-e*

 **Third Generation Partnership Project (3GPP™)**

 **DRAFT Meeting Report
for
TSG SA WG6
meeting: #44-e**

**e-meeting, 12/07/2021 to 20/07/2021**

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## 1 Opening of the meeting

### 1.1 IPR and antitrust policy reminders

The chair Suresh Chitturi (Samsung) opened the e-meeting that consisted of formal opening, closing sessions, a number of topic specific informal online sessions of approximately 1 hour each, as well as discussions over the WG SA6 email reflector. In this report the abbreviation CC has been used to refer to Conference Calls. The planning and schedule of these can be found in the meeting agenda.

**IPR Call Reminder:**

The Chair of the meeting made the following reminders about members’ obligations in relation to IPRs, and asked members to check the latest version of ETSI's policy available on the web server:

The attention of the delegates to the meeting of this Technical Specification Group was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.

The delegates were asked to take note that they are thereby invited:

- to investigate whether their organization or any other organization owns IPRs which were, or are likely to become Essential in respect of the work of 3GPP.

- to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (<https://www.3gpp.org/about-3gpp/legal-matters> ).

**Antitrust declaration:**

The chair of the meeting made the following antitrust declaration:

The attention of the delegates to the meeting was drawn to the fact that 3GPP activities were subject to antitrust and competition laws and that compliance with said laws was therefore required by any participant of the meeting, including the Chair and Vice-Chairs and were invited to seek any clarification needed with their legal counsel. The present meeting would be conducted with strict impartiality and in the interests of 3GPP. Delegates were reminded that timely submission of work items in advance of TSG/WG meetings was important to allow for full and fair consideration of such matters.

### 1.2 Reminder to check-in at the e-meeting

The chair reminded delegates to register for the meeting.

## 2 Agenda and Chair’s notes

**S6-211499 SA6 Meeting 44-e Agenda**

 *Type: agenda For: Approval
 Source: SA6 Chair*

**Abstract:**

Agenda for the SA6#44-e meeting

**Decision:** The document was **noted**.

**S6-211501 SA6 Meeting #44-e - Agenda with Tdocs allocation after submission deadline**

 *Type: agenda For: Approval
 Source: SA6 Chair*

**Abstract:**

The SA6#44-e meeting agenda with Tdocs allocation after submission deadline

**Decision:** The document was **noted**.

**S6-211502 SA6 Meeting #44-e - Agenda with Tdocs allocation at start of the meeting**

 *Type: agenda For: Approval
 Source: SA6 Chair*

**Abstract:**

The SA6#44-e meeting agenda with Tdocs allocation at the start of the meeting

**Decision:** The document was **approved**.

**S6-211503 SA6 Meeting #44-e - Chair's notes at end of the meeting**

 *Type: agenda For: Approval
 Source: SA6 Chair*

**Abstract:**

Chair's notes at end of the SA6#44-e meeting

**Decision:** The document was **noted**.

## 3 Report from previous meetings

**S6-211500 SA6 Meeting 43-e Report**

 *Type: report For: Approval
 Source: MCC*

**Abstract:**

The report of the SA6#43-e meeting.

**Decision:** The document was **approved**.

## 4 Liaison statements

### 4.1 Incoming LSs

**S6-211505 Reply LS on Support of UAVs authentication/authorization in 3GPP systems and interfacing with USS/UTM**

 *Type: LS in For: Information
 Original outgoing LS: S2-2104895, to GSMA-ACJA, cc SA WG3, SA WG6, CT WG1, CT WG3, CT WG4
 Source: SA2*

**Abstract:**

1 . Overall description

SA2 thanks GSMA-ACJA for the LS on “Support of UAVs authentication/authorization in 3GPP systems and interfacing with USS/UTM.”

SA2 has developed mechanisms in TS 23.256 based on Network Exposure Function (NEF) to support interfacing between the MNO network and the USS using WebAPI interfaces, and no EAP-Diameter solutions have been adopted.

2. Actions

To GSMA-ACJA

ACTION: SA2 asks GSMA-ACJA to take the above into consideration.

**Discussion:**

Qualcomm presented the LS during the opening call.

**Decision:** The document was **noted**.

**S6-211506 Reply LS to GSMA-ACJA: 3GPP SA1 clarifications on problematic UAV**

 *Type: LS in For: Information
 Original outgoing LS: S2-2104916, to GSMA-ACJA, SA WG1, cc SA WG6, SA WG3
 Source: SA2*

**Abstract:**

1 . Overall description

SA WG2 thanks ACJA for the incoming LS on “problematic UAV” triggered by the SA WG1 changes to requirements in TS 22.125.

SA2 finds the three scenarios listed in the LS to be realistic and exhaustive. Based on the UAS architecture and solutions designed by SA2, SA2 agrees that it is not reasonable to ask a 3GPP system to detect which UEs are actually autonomously flying unauthorized UAVs versus regular UEs that may be in motion but not flying autonomously.

SA2 also agrees that such unauthorized UAVs, based on 3GPP mechanisms, are not identifiable as aviation entities and the 3GPP system is not aware of any associated aviation identity, and as such, they cannot be reported to the UTM.

2. Actions

To GSMA ACJA

ACTION: SA2 asks GSMA-ACJA to keep the above into account

To SA WG1

ACTION: SA2 recommends to SA1 to either redefine the requirement more in detail, with a clarification of which use cases should be considered, in light of the issues highlighted by both SA2 and GSMA-ACJA, or to remove the requirement altogether.

**Discussion:**

Qualcomm presented the LS during the opening call.

**Decision:** The document was **noted**.

**S6-211517 LS on UAS terminology alignment**

 *Type: LS in For: Action
 Original outgoing LS: SP-210579, to 3GPP SA WG1, 3GPP SA WG3, 3GPP SA WG6, cc 3GPP SA WG2, 3GPP TSG CT, 3GPP TSG RAN
 Source: SA*

**Abstract:**

1. Overall Description:

3GPP SA discussed (SP-210553) the mis-alignment of UAS terminology in Rel-17 specifications across the SA WGs i.e. the change of term of “Unmanned” to "Uncrewed".

SA has agreed to resolve the mis-alignment as follows:

1) Already approved TRs (i.e. TR 22.825 (SA1), TR 23.754 (SA2) and TR 23.755 (SA6)) shall not be updated, since these are internal TRs and will not be maintained beyond the current release.

2) For ongoing Rel-17 TRs/TSs and approved TSs (under change control), the respective WGs shall update their specifications with the new replacement term (i.e. Uncrewed) as follows:

- SA1 WG – shall update the content of TS 22.125, but not the title

- SA3 WG – shall update the title and content of TR 33.854

- SA6 WG – shall update the content of TS 23.255 (NOTE: The title is already updated during the approval of TS in SA#92-e)

2. Actions:

To SA1, SA3, SA6:

ACTION: 3GPP SA kindly asks SA1, SA3 and SA6 working groups (and the respective Rapporteurs) to take the above actions into account.

**Discussion:**

The chair presented the LS during the opening call.

**Decision:** The document was **noted**.

**S6-211510 LS on 5G capabilities exposure for factories of the future**

 *Type: LS in For: Action
 Original outgoing LS: S2-2104794, to 3GPP TSG SA, SA1, SA3, SA6, cc SA5, CT3
 Source: SA2*

**Abstract:**

1. Overall Description:

SA2 discussed the LS from 5G-ACIA, and would like to:

1. Suggest that TSG SA co-ordinates the answers from SA1, SA2, SA3 and SA6 to provide a single response from 3GPP perspective,

2. Inform SA plenary that SA2 plans to provide its technical input from SA2#146E August meeting i.e. for the September TSG SA plenary.

2. Actions:

To 3GPP TSG SA, SA1, SA3, and SA6:

ACTION: SA2 kindly asks 3GPP TSG SA, SA1, SA3 and SA6 to take the above suggestion into account.

**Discussion:**

The chair presented the LS during the opening call.

**Decision:** The document was **noted**.

**S6-211514 Reply to Reply LS on RAT type for network monitoring**

 *Type: LS in For: Action
 Original outgoing LS: S3-212158, to SA2, SA6, cc -
 Source: SA3*

**Abstract:**

1 . Overall description

SA3 thanks SA2 for keeping SA3 informed (in cc) in their LS reply to SA6 on RAT type for network monitoring.

SA3 would like to respond to SA2 and SA6 on the question raised by SA2: whether disclosing internal network information e.g. as specified in clause 9.7.2.3 "Network monitoring information notification" of TS 23.286, can raise security and privacy concerns.

SA3 would like to point out that network monitoring information is already exposed outside of 5GS independently of analytics. The network status reporting feature in 5GS is also existing in 4G as specified in TS 23.682. Therefore, in SA3 point of view, this is not raising any new security or privacy concerns.

2 . Actions

To SA2, SA6

ACTION: SA3 asks SA2 and SA6 to take this information into account.

**Discussion:**

Nokia presented the LS during the opening call.

**Decision:** The document was **noted**.

**S6-211508 LS reply to SA on GSMA 3GPP Edge Computing coordination**

 *Type: LS in For: Information
 Original outgoing LS: S2-2105034, to 3GPP TSG SA, cc SA5, SA6
 Source: SA2*

**Abstract:**

1. Overall Description:

SA2 asks TSG SA to provide a consolidated response to the GSMA OPG LS on “LS on edge computing definition and integration" (S2-2103728) taking into consideration technical input from SA2, SA5 and SA6.

SA2 is currently working on Rel-17 enhancement for edge computing to be published in TS 23.548 and with updates with TS 23.501, TS 23.502 and TS 23.503 for 5GS enhancement for supporting edge computing features. Since Rel-15, SA2 specifications support traffic offloading and AF influence to impact the routing path selection. For Rel-17, SA2 specifications support EAS(Edge Application Server) discovery using DNS, EAS (re)discovery, mobility (with and without EAS relocation), and local network information exposure.

3GPP SA2 considers that the AF (Application Function) as defined in 3GPP TS 23.501, 23.502 and 23.548 is an abstraction that can represent 3GPP SA6 EDGEAPP (e.g. ECS, EES or EAS) and/or ETSI MEC defined entities. Such AF entities can use 5GC API(s) defined by 3GPP SA2 such as NEF API(s).

SA2 would like to provide the following brief analysis of the proposed interface mapping from GSMA OPG:

 - SBI-NR: The 5G Core Network provides interfaces between 5GC NFs (Network Functions) and AF (Application Function) that can be mapped to GSMA Operation Platform’s SBI-NR to support features such as network capability exposure, traffic routing, etc.

 - UNI: May or may not have some impacts on SA2 e.g. enhancements of NAS for support of OP would fall into SA2’s scope.

 - EWBI: Operator Federation has not been studied in SA2 and it is not known if there would or would not be impacts on SA2 specifications.

 - NBI, SBI-CHF, SBI-CR: Seems outside the scope of SA2.

SA2 asks TSG SA to handle the questions regarding governance and collaboration model for a multi-party alignment effort involving 3GPP, GSMA OPG and ETSI ISG MEC.

2. Actions:

SA2 kindly requests SA to take the above information into consideration and liaise with GSMA OPG.

**Discussion:**

Presentation together with S6-211516.

**Decision:** The document was **noted**.

**S6-211511 Reply LS on Edge computing definition and integration**

 *Type: LS in For: Information
 Original outgoing LS: S5-213443, to 3GPP TSG SA, cc 3GPP TSG SA2, 3GPP TSG SA6
 Source: SA5*

**Abstract:**

1. Overall Description:

SA5 would like to bring to the attention of SA, the incoming LS from GSMA Operator Platform Group (OPG) in S5-213029, in which GSMA OPG shares their architecture and GSMA OPG's agreement on the interface mapping with 3GPP and ETSI ISG MEC.

SA5 supports SA6 opinion on SA to coordinate the technical inputs within 3GPP and liaise with GSMA OP accordingly. SA5 would like to provide it input as follows.

SA5 would like to confirm the following on the management related interface mapping from GSMA:

 - SBI-CHF: SA5 is conducting a study on charging aspect of edge computing expected to be completed by September 2021. GSMA OPG requirements could be considered by the study or during the resulting normative Rel-17 work.

 - SBI-CR: SA5 would like to inform that cloud resource management is defined by ETSI NFV ISG. SA5 refers to NFV ISG for the same.

 - NBI: The study on management aspects of edge computing, in SA5, is in its final stages. SA5 plans to initiate a work item to define the normative provisions covering the same. SA5 would study the NBI requirements and confirm what all requirements can be supported by SA5 defined management solutions.

SA5 kindly requests SA to include these interface mapping details, along with other such details if provided by SA6 and SA2, in their communication with GSMA OPG.

2. Actions:

ACTION: SA5 kindly requests SA to take the above information and liaise with GSMA OPG with coordinated inputs from SA5, SA6 and SA2, including the aspects that relate to the governance and collaboration model for a multi-party alignment effort involving 3GPP, GSMA OPG and ETSI ISG MEC.

**Discussion:**

Presentation together with S6-211516.

**Decision:** The document was **noted**.

**S6-211513 LS reply to SA on GSMA 3GPP Edge Computing coordination.doc**

 *Type: LS in For: Information
 Original outgoing LS: S5-213449, to 3GPP TSG SA WG5, cc 3GPP TSG SA, 3GPP TSG SA WG2, 3GPP TSG SA WG6
 Source: SA5*

**Abstract:**

1. Overall Description:

SA5 would like to bring to the attention of SA, the incoming LS from GSMA Operator Platform Group (OPG) in S5-213029, in which GSMA OPG shares their architecture and GSMA OPG's agreement on the interface mapping with 3GPP and ETSI ISG MEC.

SA5 supports SA6 opinion on SA to coordinate the technical inputs within 3GPP and liaise with GSMA OP accordingly. SA5 would like to provide it input as follows.

SA5 would like to confirm the following on the management related interface mapping from GSMA:

 - SBI-CHF: SA5 is conducting a study on charging aspect of edge computing expected to be completed by September 2021. GSMA OPG requirements could be considered by the study or during the resulting normative Rel-17 work.

 - SBI-CR: SA5 would like to inform that cloud resource management is defined by ETSI NFV ISG. SA5 refers to NFV ISG for the same.

 - NBI: The study on management aspects of edge computing, in SA5, is in its final stages. SA5 plans to initiate a work item to define the normative provisions covering the same. SA5 would study the NBI requirements and confirm what all requirements can be supported by SA5 defined management solutions.

SA5 kindly requests SA to include these interface mapping details, along with other such details if provided by SA6 and SA2, in their communication with GSMA OPG.

2. Actions:

SA5 kindly requests SA to take the above information and liaise with GSMA OPG with coordinated inputs from SA5, SA6 and SA2, including the aspects that relate to the governance and collaboration model for a multi-party alignment effort involving 3GPP, GSMA OPG and ETSI ISG MEC.

**Discussion:**

Presentation together with S6-211516.

**Decision:** The document was **noted**.

**S6-211516 Reply LS to GSMA Operator Platform Group on edge computing definition and integration**

 *Type: LS in For: Information
 Original outgoing LS: SP-210583, to GSMA OPG, cc 3GPP TSG SA WG2, 3GPP TSG SA WG5, 3GPP TSG SA WG6, ETSI ISG MEC, ETSI ISG NFV
 Source: SA*

**Abstract:**

1. Overall Description:

3GPP TSG SA thanks GSMA OPG for informing us on the activities of Operator Platform (OP) group and the related published whitepapers. SA welcomes GSMA OP efforts on the PRD (Permanent Reference Document) outlining the end-to-end (E2E) definition and the OP reference architecture for edge computing.

Edge computing is an important area of focus in 3GPP, especially in Release 17, with work spanning across multiple working groups. The 3GPP Rel-17 work plan includes several edge computing features and enhancements, including aspects related to core network (SA2), security (SA3), network management/charging (SA5), and application enablement layer (SA6). Please refer to 3GPP TS 23.548 (SA2), 3GPP TR 33.839 (SA3), 3GPP TR 28.814 (SA5), 3GPP TR 28.815 (SA5) and 3GPP TS 23.558 (SA6) for more details.

3GPP SA is coordinating the work in 3GPP on this topics across its WGs so it would be appreciated that TSG SA is included in future LS exchanges with 3GPP WGs.

Regarding the GSMA OP reference architecture, 3GPP SA would like to provide the following interface mapping information based on the ongoing activities within the SA WGs.

• UNI

o SA6: EDGE-1 and EDGE-4 interfaces, between the Edge Enabler Client (EEC) and the Edge Enabler Server (EES) and the Edge Configuration Server (ECS) respectively, can support the requirements of the UNI interface.

o SA2: May or may not have some impacts on SA2 e.g. enhancements of NAS for support of OP would fall into SA2’s scope.

• SBI-NR:

o SA6: EDGE-2, EDGE-7 and EDGE-8 interfaces, providing access to the 3GPP core network capabilities and services to the EES, the Edge Application Server (EAS) and the ECS respectively, can support the requirements of the SBI-NR interface.

o SA2: The 5G Core Network provides interfaces between 5GC NFs (Network Functions) and AF (Application Function) that can be mapped to GSMA Operation Platform’s SBI-NR to support features such as network capability exposure, traffic routing, etc.

• SBI-CHF:

o SA5: Ongoing study on charging aspect of edge computing is expected to be completed by September 2021 and the study on 5G roaming charging architecture for wholesale and retail scenarios is expected to be completed by March 2022. GSMA OPG requirements could be considered by the study or during the resulting normative Rel-17 and Rel-18 work.

• SBI-CR:

o SA5: The cloud resource management is defined by ETSI NFV ISG. SA5 refers to NFV ISG for the same.

• EWBI:

o SA6: EDGE-9 interface, allowing the edge enabler layer interconnection within an Edge Computing Service Provider (ECSP) domain and between different ECSP domains e.g. between operator platforms, can support some requirements of EWBI interface. Further, SA6 intends to enhance the EDGEAPP architecture with services such as support for roaming in Rel-18.

o SA2: Operator Federation has not been studied in SA2 and it is not known if there would or would not be impacts on SA2 specifications.

• NBI:

o SA6: EDGE-3 interface, exposing the capabilities of EES to the EASs, can support some requirements of the NBI interface. EDGE-3 also supports 3GPP's Common API Framework (CAPIF) for API discovery and API invoker's authentication and authorization for API invocation.

o SA5: The study on management aspects of edge computing, in SA5, is in its final stages. SA5 plans to initiate a work item to define the normative provisions covering the same. SA5 would study the NBI requirements and confirm what all requirements can be supported by SA5 defined management solutions.

In addition, 3GPP SA would like to inform that the GSMA Operator Platform federation for different edge computing platforms will be considered in the work scope of 3GPP SA2, SA5 and SA6, and therefore recommends that GSMA take into consideration the related work from the respective WGs.3GPP SA confirms our interest in ensuring alignment in developing the Operator Platform and in that respect anticipates that there may be more technical aspects, besides those covered by the current OPG PRD that SA would be eager to learn from GSMA OP to better frame and plan the relevant future activity within our WGs.

For all the above, 3GPP SA confirms our interest in a possible joint workshop between GSMA OP, ETSI MEC and 3GPP to further discuss the potential alignment and collaboration aspects, and would be interested in further details (e.g. logistics) of such workshop when available.

2. Actions:

To GSMA OPG:

ACTION: 3GPP SA kindly asks GSMA OPG to take the above information into account during the development of the PRD and other related Edge computing initiatives within GSMA, and keep us updated on further developments related to the joint workshop.

**Discussion:**

The chair presented the LS during the opening call.

Qualcomm thanked the chair for efforts required for bringing this topic forward.

**Decision:** The document was **noted**.

**S6-211512 Reply LS on EDGEAPP**

 *Type: LS in For: Action
 Original outgoing LS: S5-213445, to 3GPP TSG SA6, cc 3GPP TSG SA, 3GPP TSG SA2
 Source: SA5*

**Abstract:**

1. Overall Description:

SA5 thanks SA6 for the LS on EDGEAPP.

SA5 would like to inform that the study on management aspects of edge computing (TR 28.814) is on-going and about to finish. The study has covered different management aspect of edge computing including use case, requirement and related solutions. SA5 is planning to start a Rel-17 WID (target completion date: Mar 2022) to work on the normative provisions based on the study conducted.

SA5 would further inform that the study on charging aspect of edge computing (TR 32.847) is also on-going and expected to be completed by September 2021. The resulting normative work would be conducted under a Rel-17 WID.

Moving forward, SA5 would consider editor’s notes in TS 23.558 pertaining to required SA5’s assistance or alignment, as required.

2. Actions:

To GSMA OPG.

ACTION: SA5 kindly asks SA6 to take the above in consideration.

**Discussion:**

Samsung presented the LS during the opening call.

Qualcomm made a remark that they were confused about the target date.

Motorola Solutions noted the give date was stage 3 freeze date.

Samsung agreed with this interpretation.

**Decision:** The document was **noted**.

**S6-211515 Reply LS on IP address to GPSI translation**

 *Type: LS in For: Action
 Original outgoing LS: S3-212355, to SA2, SA6, cc SA1
 Source: SA3*

**Abstract:**

1. Overall description

SA3 would like to thank SA2 for the LS reply on IP address to GPSI translation (S3-211392 / S2-2101307).

SA2 asked in their LS that

A GPSI can be either an MSISDN or an External Identifier. The GPSI in either form is used for the same purposes in the 5G System. SA2 would like to understand whether there would be different privacy considerations on sending external identifier to an AF possibly depending on if the GPSI takes the form of an MSISDN or an External Identifier.

SA2 would also like to understand the following:

1. Are there privacy concerns (and do you see any difference) with exposing to an AF that may be external the GPSI in the form of MSISDN or the GPSI in the form of External Identifier?

SA3 would like to inform SA2 and SA6 that SA3 sees some privacy issues with the usage of GPSI in the form of MSISDN.

SA2 also asked the following follow-up questions:

If the GPSI in either form does not meet the privacy requirements:

2. Should a new exposed subscription identifier be permanent or temporary? If such new exposed subscription identifier is temporary, what is its temporal validity? SA2 assumes that it is then up to the 5GC operator (e.g. NEF) to define this validity.

SA3 has not yet concluded that the use of a temporary identifiers justifies the gain. SA2 is recommended to proceed with the use of permanent identifiers only at this stage for this feature. SA3 will inform SA2 if SA3 later concludes on the use of temporary identifiers and the desired properties of such temporary identifiers.

3. Should such new exposed subscription identifier be “global” or per AF?

SA3 agrees on that a mechanism to support “GPSI per AF” helps to prevent possible tracking of users among AFs.

SA3 would like to also inform SA2 and SA6 that SA3 considers that this LS reply also covers the issues raised in the Reply LSs (S3-211391 / S2-2009339) and (S3-211424 / S6-211082).

2. Actions

To SA2, SA6

ACTION: 3GPP SA3 kindly asks SA2 and SA6 to take the above into account.

**Discussion:**

Ericsson presented the LS during the opening call.

**Decision:** The document was **noted**.

**S6-211507 Reply LS on work split for MBSF and MBSTF definition**

 *Type: LS in For: Information
 Original outgoing LS: S2-2104962, to SA4, cc SA6, CT4
 Source: SA2*

**Abstract:**

1. Overall Description:

SA2 thanks SA4 for the LS on work split for MBSF and MBSTF definition. SA2 discussed the LS and would like to provide following feedback:

Let SA4 know if SA2 has any comments on the work split proposed in clause 7.3 in the attached draft TR 26.802.

SA2 response:

SA2 agrees with the work split proposal from SA4. SA2 would like to ask SA4 to provide call flow information involving the MBSF and the MBSTF.

Consider renaming xMB-C to Nmbsf or Nx4, and xMB-U to Nmbstf or Nx5, in line with the 5GC reference point naming convention.

SA2 response:

SA2 has already defined the reference points as SA4 pointed out. For backward compatibility, SA2 would expect xMB-C/xMB-U to be supported for legacy AS. SA2 would also like to inform SA4 that Nx4/Nx5 have been renamed, please refer to clause 5.1 (General architecture) in the latest TS 23.247.

Take into account SA4 design considerations for the Nx2 reference point documented in clause 5.3 of the attached draft TR 26.802.

SA2 response:

SA2 thanks for the SA4 for providing design consideration for Nx2. SA2 would like to inform that Nx2 is renamed, please refer to clause 5.1 (General architecture) in the latest TS 23.247.

Keep SA4 updated on the progress of TS 23.247.

SA2 response:

The latest version of TS 23.247 will be available at https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3854.

2. Actions:

To SA4:

ACTION: SA2 asks SA4 to take the above information into account and provide call flow information involving the MBSF and the MBSTF.

**Discussion:**

Ericsson presented the LS during the opening call.

**Decision:** The document was **noted**.

**S6-211504 Reply LS to SA4 on UE Data Collection**

 *Type: LS in For: Information
 Original outgoing LS: S2-2104864, to 3GPP SA4, cc 3GPP RAN2, SA3, SA6
 Source: SA2*

**Abstract:**

1. Overall Description:

SA2 thanks SA4 for the Reply LS to the SA2 questions on method for collection of data from UE (S4-210644). For the parameters that are agreed in S2-2101345, SA2 confirms SA4 assumption is correct, SA2 expects that SA4 can provide an opaque data structure in both the interface between the 5GMS Client and the 5GMS AF for direct reporting, and the interface between the 5GMS Application Provider and the 5GMS AF for indirect reporting, to transfer the non-3GPP defined parameters.

SA2 also approved a CR S2-2104496 (attached) specifying that NWDAF may request UE to provide QoE metrics which includes the set as defined in SA4 as well as non-3GPP defined parameters. Similar to the above, SA2 expects SA4 to provide an opaque data structure to support the non-standard QoE metrics .

Thanks for the information about the Work Item “EVEX” on 5GMS AF Event Exposure (to consumers internal or external to the 5GS). SA2 would like the data collection architecture is generic enough to accommodate both 3GPP and non-3GPP parameters as also indicated in clause 6.2.8 of TS23.288. This was also communicated and confirmed before in the past LS exchanges with SA4 (S4-201584). SA2 would like to confirm with SA4 that whether there is any plan in SA4 to support SA2’s requirements of a general UE data collection/data reporting solution in R17. In turn, SA2 would focus on the interface and supported services between NWDAF and AF in trusted domain or NWDAF and AF in untrusted domain via NEF.

SA2 has already specified a couple of cases for Collective Behaviour Information (S2-2101345) and Service Experience information (attached) with the associated events described in clause 5.2.19.2.1 in TS 23.502. SA2 expects SA4 kindly will define how the AF collects parameters for these events.

2. Actions:

To SA4:

SA2 kindly asks SA4 to take the above information into account and request to provide SA2 feedback.

**Discussion:**

Qualcomm presented the LS during the opening call.

**Decision:** The document was **noted**.

**S6-211509 Reply LS to SA2 on UE Data Collection**

 *Type: LS in For: Action
 Original outgoing LS: S4-210961, to 3GPP SA2, cc 3GPP CT3, 3GPP RAN2, 3GPP SA3, 3GPP SA6
 Source: SA4*

**Abstract:**

1. Overall Description:

SA4 thanks SA2 for the LS which contains 1) answer to SA4 questions in our previous outgoing LS, 2) information on previously SA4-specified QoE metrics now defined in TS 23.288 as Service Experience information for exposure by the AF to NWDAF, 3) stated expectation for SA4 to define the mechanisms for AF collection of cited Collective Behaviour and Service Experience information, and 4) request to SA4 on information and possible support for defining a general UE data collection/data reporting solution in the R17 timeframe.

With respect to item 3, SA4 will need more time to understand and evaluate the corresponding information types, sources of that data, and availability of defined network interfaces and procedures for collection by the AF of those collective behaviour and service experience information (for subsequent offering as event exposure services). We may contact SA2 on related questions in the process.

With regards to item 4, SA4 has agreed the EVEX Work Item (see attachment) at SA4#114-e, for SP approval. We wish to point out that one of the objectives of the work item is to “Define a generic architecture within which media-specific solutions for the configuration and subsequent operation of data collection and data reporting (via event exposure) by the AF can be specified”. We think that this task should address the question and request from SA2 on SA4 definition of a general purpose architecture in support of SA2’s R17 requirements on data collection and reporting. We would however like to point out that such to-be-defined generic architecture is mainly intended to enable media services specific functions of configuration, data collection and subscription-based notification to consumer entities in addition to the NWDAF, such as the ASP. While we expect to engage in frequent communications with SA2 (and likely other 3GPP WGs) during the WI process towards informing about as well as seek guidance on our work, it will be SA2’s decision (and that of other WGs) on adoption of our generic architecture.

2. Actions:

To SA2:

SA4 kindly asks SA2 to take the above information into account and provide us feedback.

To CT3, RAN2, SA3 and SA6:

SA4 kindly asks whether you have any questions or other feedback about the EVEX Work Item.

**Discussion:**

Qualcomm presented the LS during the opening call.

**Decision:** The document was **noted**.

### 4.2 Outgoing LSs

**S6-211623 LS on new SID on Application Capability Exposure for IoT Platforms**

 *Type: LS out For: Approval
 to SA4, cc SA1, SA
 Source: Qualcomm Incorporated*

**Abstract:**

SA6 would like to understand whether there is significant overlap between the focus of the SA4 efforts and the potential SA6 efforts for Background Data Transfer. SA6 requests that SA4 comment on the agreed SA6 study item to help determine if there are an

**Discussion:**

Qualcomm presented the draft LS during the opening call.

Discussion continued during CC#7.

**Decision:** The document was **postponed**.

**S6-211630 Bearer pre-emption rate limit issue for GBR bearer establishment in MC systems**

 *Type: LS out For: Approval
 to TSG RAN, RAN2, RAN3
 Source: Motorola Solutions Germany*

**Abstract:**

eNodeBs are experiencing a bearer pre-emption rate limitation issue that causes GBR bearer requests in a cell to be rejected. This causes a real world issue during certain Public Safety incidents where bearer establishment failures for MCPTT group calls p

**Discussion:**

Motorola Solutions presented the draft LS during the opening call.

BDBOS suggested including few more questions.

Huawei made the remark that the attached presentation would seem to relate to implementation specific issues only and was not sure there was a standard related issue.

Qualcomm agreed that is was not quite clear what SA6 were asking from RAN.

Motorola Solutions addressed the comments and suggested continuing over discussion offline over email.

Qualcomm as well as Huawei suggested bringing in CRs in RAN WGs.

FirstNet indicated support for the LS.

A draft rev 1 version of the proposed LS was further discussed during CC#8.

Qualcomm was of the view there was no anticipated action from RAN.

Motorola Solutions was of the view that RAN should study the matter and provide some guidance, without SA6 telling them exactly what to do.

Home Office supported the view of Motorola Solutions and noted that if RAN does nothing then SA6 would need to take an action.

Qualcomm further clarified that SA6 should consider whether an LS or a discussion paper with a number of supporters would bring a better result.

FirstNet noted that the important thing was to do something, in this case make RAN aware of the problem and worry less about the exact words. The LS is practically ready and SA6 should just approve it.

Nokia supported the LS in its presented form.

**Decision:** The document was **revised to S6-211829**.

**S6-211829 LS on Bearer pre-emption rate limit issue for GBR bearer establishment in MC systems**

 *Type: LS out For: Approval
 to TSG RAN2, RAN3, cc TSG RAN
 Source: SA6*

(Replaces S6-211630)

**Decision:** The document was **approved**.

**S6-211707 LS on MSGin5G store and forward clarifications**

 *Type: LS out For: Approval
 to SA1
 Source: Convida Wireless LLC*

**Discussion:**

Convida Wireless presented the draft LS during the opening call.

Discussion on a draft rev. 2 of S6-211707 continued during the CC#7.

one2many raised concerns over last but one bullet.

**Decision:** The document was **revised to S6-211715**.

**S6-211715 LS on MSGin5G store and forward clarifications**

 *Type: LS out For: Approval
 to SA1
 Source: Convida Wireless LLC*

(Replaces S6-211707)

**Discussion:**

S6-211715 was originally approved but some additional changes were added and agreed during the closing CC.

**Decision:** The document was **revised to S6-211831**.

**S6-211831 LS on MSGin5G store-and-forward clarifications**

 *Type: LS out For: Approval
 to SA1
 Source: SA6*

(Replaces S6-211715)

**Decision:** The document was **approved**.

## 5 Items for early consideration

### 5.1 Working Agreements

### 5.2 Others

## 6 Rel-16 Work Items

**S6-211518 Clarification of MC service server retry for dedicated bearer request**

 *Type: CR For: Agreement
 23.280 v17.7.0 CR-0292 Cat: F (Rel-17)

 Source: HOME OFFICE*

**Abstract:**

Updates clause 10.11 MC service resource management with a NOTE for clarification.

**Decision:** The document was **revised to S6-211712**.

**S6-211712 Clarification of MC service server retry for dedicated bearer request**

 *Type: CR For: Agreement
 23.280 v17.7.0 CR-0292 rev 1 Cat: F (Rel-17)

 Source: HOME OFFICE*

(Replaces S6-211518)

**Decision:** The document was **revised to S6-211833**.

**S6-211833 Clarification of MC service server retry for dedicated bearer request**

 *Type: CR For: Agreement
 23.280 v17.7.0 CR-0292 rev 2 Cat: F (Rel-17)

 Source: HOME OFFICE*

(Replaces S6-211712)

**Decision:** The document was **agreed**.

**S6-211529 Clarification of MC service server retry for dedicated bearer request**

 *Type: CR For: Agreement
 23.280 v16.5.0 CR-0294 Cat: F (Rel-16)

 Source: HOME OFFICE*

**Abstract:**

Updates clause 10.11 MC service resource management with a NOTE for clarification (Rel-16 & Rel-17)

**Decision:** The document was **revised to S6-211591**.

**S6-211591 Clarification of MC service server retry for dedicated bearer request**

 *Type: CR For: Agreement
 23.280 v16.5.0 CR-0294 rev 1 Cat: F (Rel-16)

 Source: HOME OFFICE*

(Replaces S6-211529)

**Abstract:**

Updates clause 10.11 MC service resource management with a NOTE for clarification (Rel-16 & Rel-17)

**Discussion:**

Home Office presented the contribution during the CC#3.

Motorola Solutions remarked that the note cannot contain normative language.

Qualcomm did not understand the purpose of the noted as it just states a fact.

Motorola Solutions further noted that the notes, when more than one, shall be numbered.

BDBOS supported in principle the proposed note but suggested some improved wording so that it becomes wider in its meaning..

**Decision:** The document was **revised to S6-211711**.

**S6-211711 Clarification of MC service server retry for dedicated bearer request**

 *Type: CR For: Agreement
 23.280 v16.5.0 CR-0294 rev 2 Cat: F (Rel-16)

 Source: HOME OFFICE*

(Replaces S6-211591)

**Discussion:**

A draft S6-211711r1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211832**.

**S6-211832 Clarification of MC service server retry for dedicated bearer request**

 *Type: CR For: Agreement
 23.280 v16.5.0 CR-0294 rev 3 Cat: F (Rel-16)

 Source: HOME OFFICE*

(Replaces S6-211711)

**Discussion:**

Agreed as per S6-211711Rev1.

**Decision:** The document was **agreed**.

## 7 Rel-17 Work Items

### 7.1 eMONASTERY2 - Enhancements to Application Architecture for the Mobile

### 7.2 MCIOPS - MC services support on IOPS mode of operation

### 7.3 enh3MCPTT - Enhanced Mission Critical Push-to-talk architecture phase 3

**S6-211519 Clarifications for Location management**

 *Type: CR For: Agreement
 23.280 v17.7.0 CR-0293 Cat: F (Rel-17)

 Source: BDBOS*

**Abstract:**

This CR provides some potential error corrections for clause 10.9 Location management.

**Discussion:**

BDBOS presented the contribution (with some further changes) during the CC#3.

Huawei indicated support for the proposed additional changes but noted that the CR might require some further changes in the specification.

Home Office were of the view that the function should not be limited to functional alias, other applications that don’t use functional alias may need the functionality but indicated they were ok with the current proposal.

**Decision:** The document was **agreed**.

**S6-211697 Corrections to Location Information table in 10.9.2.3**

 *Type: CR For: Agreement
 23.280 v17.7.0 CR-0295 Cat: F (Rel-17)

 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Corrections to Location Information table in 10.9.2.3

**Discussion:**

A draft rev 2 version of S6-211697 was discussed during the CC#8.

**Decision:** The document was **revised to S6-211728**.

**S6-211728 Corrections to Location Information table in 10.9.2.3**

 *Type: CR For: Agreement
 23.280 v17.7.0 CR-0295 rev 1 Cat: F (Rel-17)

 Source: AT&T GNS Belgium SPRL*

(Replaces S6-211697)

**Decision:** The document was **Agreed**.

**S6-211687 Way forward proposal for temporary group call and pre-configured regroup**

 *Type: discussion For: Discussion
 Source: Huawei, Hisilicon*

**Abstract:**

Discussion on Way forward proposal for temporary group call and pre-configured regroup

**Discussion:**

Huawei presented the discussion paper during the CC#3.

FirstNet noted there was no reason to align the Pre-configured regroup as there are no security solution for it.

Motorola Solutions suggested supporters of the presented way of forward to get involved in SA1 to define requirements for the adhoc solution in Rel-18.

**Decision:** The document was **noted**.

**S6-211688 Update to the temporary group call regrouping procedures**

 *Type: CR For: Agreement
 23.379 v17.7.0 CR-0295 Cat: C (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Update to the temporary group call regrouping procedures

**Decision:** The document was **revised to S6-211813**.

**S6-211813 Update to the temporary group call regrouping procedures**

 *Type: CR For: Agreement
 23.379 v17.7.0 CR-0295 rev 1 Cat: C (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-211688)

**Discussion:**

The contribution was discussed together with S6-211761 during the closing call.

Motorola Solutions noted that this topic has been debated for a very long time and the views are still not converging. They were hoping a solution could be found in order to close the matter.

CATT was of the vies that the topic should be dealt with like any other topic. As there is no consensus one should just deal with contributions normally.

Huawei was of the view that there was a way to deal with the security issue and that the proposed solutions are distinct.

FirstNet mad a remark that the temporary group broadcast had already been removed because there was no security solution.

Motorola Solutions noted that SA3 did not only say they would not develop a security solution but that it was not feasible to develop one.

Home Office suggested interested members to go to SA1 to produce the requirements as a first step.

The SA6 chair hinted that it may be necessary to establish a technical vote if no consensus can be achieved.

Huawei did not see how a technical vote could resolve the faced dilemma.

Qualcomm asked how Huawei would suggest to go forward.

Huawei replied that one can still going forward with enhancements.

Qualcomm further noted it was difficult to see another way out than a technical vote, but remarked that this debate has been going one for years.

CATT did not understand the reason of the objections to the solutions in Rel-13 and Rel-14 and was of the view multiple solutions could co-exist.

Motorola Solutions was of the view the question from CATT was biased.

FirstNet remarked the only reason was simply that the solutions were not just working.

CATT was of the view that neither of the two solutions had a security solution.

The chair informed that the technical vote be along the lines of the following model.

Technical Vote at SA6#45-e

Option A S6-211813

Option B S6-211761

Question 1: Do you support Option A in S6-211813 (or subsequent revision)?

Question 2: Do you support Option B in S6-211761 (or subsequent revision)?

Note: Final version to be submitted before the SA6#45 deadline

The chair noted the above model will be subject to change and just given as information.

Huawei made a remark that they did not support going ahead with a technical vote.

Huawei was of the view that enh3MCPTT WID could not include removing functionality.

Motorola Solutions disagreed with the view of Huawei and noted that the enh3MCPTT WID covered any work including removing functionality.

The chair noted that unfortunately he saw no other way than going ahead with a technical vote during the next meeting.

**Decision:** The document was **revised to S6-211860**.

**S6-211860 Update to the temporary group call regrouping procedures**

 *Type: CR For: Agreement
 23.379 v17.7.0 CR-0295 rev 2 Cat: C (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-211813)

**Discussion:**

As per S6-211813\_Rev1.

**Decision:** The document was **endorsed**.

**S6-211706 Removal of temporary regroup procedures**

 *Type: CR For: Agreement
 23.379 v17.7.0 CR-0296 Cat: F (Rel-17)

 Source: Motorola Solutions Germany*

**Abstract:**

Since SA6 has developed new procedures using an alternative approach based on preconfigured groups, the SA1 requirements for temporary broadcast group calls and for user regrouping have already been fulfilled. Resubmission of S6-211146 from SA6 #43-e.

**Discussion:**

A draft rev 1 of the contribution S6-211706 was reviewed during CC#8.

Motorola Solutions made a remark that this is the last trial to find a compromise, if this version is not accepted then they would revert back to the original version of S6-211706.

Huawei suggested to continue offline discussions.

L3Harris made the point that the rev 1 was according to them now a very good proposal.

FirstNet commented that on a new setup procedure (option-C) proposed by Huawei, that it was very late to consider such a such solution at this late stage of the meeting and that such solution could be agreed independently at a later occasion.

**Decision:** The document was **revised to S6-211761**.

**S6-211761 Removal of temporary regroup procedures**

 *Type: CR For: Agreement
 23.379 v17.7.0 CR-0296 rev 1 Cat: F (Rel-17)

 Source: Motorola Solutions Germany*

(Replaces S6-211706)

**Discussion:**

See also discussion on S6-211813.

**Decision:** The document was **endorsed**.

### 7.4 eMCData3 - Enhancements for functional architecture and information flows for Mission Critical Data

**S6-211547 Various fixes for 23.282**

 *Type: CR For: Agreement
 23.282 v17.7.0 CR-0281 Cat: F (Rel-17)

 Source: AT&T*

**Decision:** The document was **Agreed**.

### 7.5 MCOver5GS - Mission Critical Services over 5GS

### 7.6 EDGEAPP - Architecture for enabling Edge Applications

**S6-211668 Resolving the Editor’s Note on the architecture in clause 6.2**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0023 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Resolving the Editor’s Note on the architecture in clause 6.2

**Decision:** The document was **postponed**.

**S6-211659 Adding AC provider ID in AC profile**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0014 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Adding AC provider ID in AC profile

**Decision:** The document was **postponed**.

**S6-211647 EAS DNAIs**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0009 Cat: F (Rel-17)

 Source: Samsung*

**Abstract:**

Given that the EAS and EES may not be hosted on the same physical infrastructure, certain deployments may choose to configure EAS DNAIs different that the DNAIs of the EES they ate registered at. Therefore, the EN on limiting the EAS DNAIs to a subset of EES DNAIs can be closed.

The Edge Configuration Server provides service provisioning information based on the EES information only, therefore there is no need to include the EAS DNAI is the EES profile. The EN on splitting the IE can be closed.

A NOTE is added in clause 8.2.6 describing the EES DNAIs in the EES profile and the following ENs care closed:

 - Editor's Note: Should the EAS DNAIs be limited to a subset of DNAIs of the EES it is registered at is FFS.

 - Editor's Note: Whether or not to split EAS/EES DNAI (s) is FFS.

**Decision:** The document was **Agreed**.

**S6-211579 Update on ECS Configuration Information**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0001 Cat: F (Rel-17)

 Source: Samsung*

**Decision:** The document was **Agreed**.

**S6-211617 Correct service provisioning overview**

 *Type: CR For: (not specified)
 23.558 v17.0.0 CR-0004 Cat: F (Rel-17)

 Source: Ericsson*

**Abstract:**

EES profile has indication whether EEC registration is required or not. Therefore, if EEC registration is not required, figure 8.3.1-1 is not consistent.

Make the “EEC registration with provisioned EES(s)” optional in figure 8.3.1-1.

**Decision:** The document was **revised to S6-211794**.

**S6-211794 Correct service provisioning overview**

 *Type: CR For: -
 23.558 v17.0.0 CR-0004 rev 1 Cat: F (Rel-17)

 Source: Ericsson*

(Replaces S6-211617)

**Decision:** The document was **Agreed**.

**S6-211663 Correction for EES determination at ECS and EEC**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0018 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction for EES determination at ECS and EEC

**Decision:** The document was **postponed**.

**S6-211619 Solve EN for E1 traffic monitoring**

 *Type: CR For: (not specified)
 23.558 v17.0.0 CR-0006 Cat: F (Rel-17)

 Source: Ericsson*

**Abstract:**

This CR proposes removing the EN in clause 8.3.3.2.3.2.

The traffic filter information needed for ECS to monitor E1 traffic can be determined by ECS based on registered EES information.

**Decision:** The document was **revised to S6-211796**.

**S6-211796 Solve EN for E1 traffic monitoring**

 *Type: CR For: -
 23.558 v17.0.0 CR-0006 rev 1 Cat: F (Rel-17)

 Source: Ericsson*

(Replaces S6-211619)

**Discussion:**

Draft S6-211796rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211834**.

**S6-211834 Solve EN for E1 traffic monitoring**

 *Type: CR For: -
 23.558 v17.0.0 CR-0006 rev 2 Cat: F (Rel-17)

 Source: Ericsson*

(Replaces S6-211796)

**Discussion:**

Appreeved as per S6-211796 rev1.

**Decision:** The document was **agreed**.

**S6-211593 Removal of Editor's Note on ACR scenario co-existence and overlap**

 *Type: CR For: Approval
 23.558 v17.0.0 CR-0002 Cat: F (Rel-17)

 Source: Apple*

**Decision:** The document was **revised to S6-211710**.

**S6-211710 Removal of Editor's Note on ACR scenario co-existence and overlap**

 *Type: CR For: Approval
 23.558 v17.0.0 CR-0002 rev 1 Cat: F (Rel-17)

 Source: Apple*

(Replaces S6-211593)

**Discussion:**

The contribution was discussed during the closing call.

Huawei had some concerns, more time needed.

**Decision:** The document was **postponed**.

**S6-211658 ACR information notification method**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0013 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for ACR information notification method

**Decision:** The document was **postponed**.

**S6-211620 Solve EN for scenario#5**

 *Type: CR For: (not specified)
 23.558 v17.0.0 CR-0007 Cat: F (Rel-17)

 Source: Ericsson*

**Abstract:**

There CR proposes removing the EN in clause 8.8.2.6. Current procedure in the cl.8.8.2.6 provides either the way w/o service continuity or selection of another T-EES, other alternate mechanism can be further studied in Rel’18.

In addition, in the existing alternative, the EEC already has the list of EES candidates received in step 3 (via service provisioning) so it can select another EES and execute step 4.

**Decision:** The document was **Agreed**.

**S6-211661 Correction to scenario in clause 8.8.2.6 considering service continuity planning**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0016 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to scenario in clause 8.8.2.6 considering service continuity planning

**Decision:** The document was **postponed**.

**S6-211606 Corrections for service continuity planning**

 *Type: CR For: Approval
 23.558 v17.0.0 CR-0003 Cat: F (Rel-17)

 Source: Apple*

**Decision:** The document was **revised to S6-211709**.

**S6-211709 Corrections for service continuity planning**

 *Type: CR For: Approval
 23.558 v17.0.0 CR-0003 rev 1 Cat: F (Rel-17)

 Source: Apple*

(Replaces S6-211606)

**Discussion:**

Draft 1709\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211835**.

**S6-211835 Corrections for service continuity planning**

 *Type: CR For: Approval
 23.558 v17.0.0 CR-0003 rev 2 Cat: F (Rel-17)

 Source: Apple*

(Replaces S6-211709)

**Discussion:**

Agreed as pers S6-2111709\_Rev1.

**Decision:** The document was **agreed**.

**S6-211648 Correction to ACR request and response**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0010 Cat: F (Rel-17)

 Source: Samsung*

**Abstract:**

ACR request and response information flows are also used by S-EAS; this is not currently clearly captured.

**Decision:** The document was **Agreed**.

**S6-211669 Resolving EN about Automated ACR terminology**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0024 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Resolving EN about Automated ACR terminology

**Decision:** The document was **Agreed**.

**S6-211646 EEC context relocation**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0008 Cat: F (Rel-17)

 Source: Samsung, Convida*

**Abstract:**

Multiple pieces are missing for EEC context relocation to function correctly. This pCR proposes completing these.

**Discussion:**

A draft rev 1 of the S6-211646 was discussed during CC#9.

**Decision:** The document was **revised to S6-211756**.

**S6-211756 EEC context relocation**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0008 rev 1 Cat: F (Rel-17)

 Source: Samsung, Convida*

(Replaces S6-211646)

**Discussion:**

The draft 1756\_r3 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211836**.

**S6-211836 EEC context relocation**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0008 rev 2 Cat: F (Rel-17)

 Source: Samsung, Convida, Huawei, Ericsson*

(Replaces S6-211756)

**Discussion:**

Agreed as per draft S6-211756\_rev3.

**Decision:** The document was **agreed**.

**S6-211660 Coordination for the relocation of EEC context and application context**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0015 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Coordination for the relocation of EEC context and application context

**Discussion:**

The contribution was discussed during CC#9.

**Decision:** The document was **revised to S6-211800**.

**S6-211800 Coordination for the relocation of EEC context and application context**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0015 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-211660)

**Decision:** The document was **merged**.

**S6-211618 EDGE-3 Context Transfer**

 *Type: CR For: (not specified)
 23.558 v17.0.0 CR-0005 Cat: F (Rel-17)

 Source: Ericsson*

**Abstract:**

The EDGE-3 context (i.e. a list of EDGE-3 subscriptions) may be transferred from the S-EES to the T-EES during ACR.

In case such transfer is executed, the EDGE-3 context transfer coordination between EAS and EES is not specified.

This CR proposes the procedure for the synchronization, e.g. update the notification target address for EDGE-3 subscription indicated by T-EAS, update the EDGE-3 subscription ID by T-EES; and the EDGE-3 context for pull and push message between EESs.

**Discussion:**

The contribution was discussed during CC#9.

**Decision:** The document was **revised to S6-211795**.

**S6-211795 EDGE-3 Context Transfer**

 *Type: CR For: -
 23.558 v17.0.0 CR-0005 rev 1 Cat: F (Rel-17)

 Source: Ericsson*

(Replaces S6-211618)

**Decision:** The document was **merged**.

**S6-211662 Correction to the service provisioning procedure**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0017 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to the service provisioning procedure

**Decision:** The document was **revised to S6-211801**.

**S6-211801 Correction to the service provisioning procedure**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0017 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-211662)

**Decision:** The document was **agreed**.

**S6-211649 Reference corrections**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0011 Cat: F (Rel-17)

 Source: Samsung*

**Abstract:**

The contribution proposes to correcting references to clauses and as well as procedure steps.

**Decision:** The document was **revised to S6-211757**.

**S6-211757 Reference corrections**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0011 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-211649)

**Decision:** The document was **agreed**.

**S6-211650 Reference updates**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0012 Cat: F (Rel-17)

 Source: Samsung*

**Abstract:**

This contribution closes multiple ENs open for referencing specifications from other working groups.

**Decision:** The document was **agreed**.

**S6-211664 Remove EN on automated ACR service message**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0019 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Remove EN on automated ACR service message

**Decision:** The document was **agreed**.

**S6-211665 Remove the EAS status of EAS discovery filter**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0020 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Remove the EAS status of EAS discovery filter

**Decision:** The document was **agreed**.

**S6-211666 Resolving the failure of ACR**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0021 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Resolving the failure of ACR

**Decision:** The document was **postponed**.

**S6-211667 Addition of a prediction expiration time IE to resolve the editor’s note on service continuity planning**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0022 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Addition of a prediction expiration time IE to resolve the editor’s note on service continuity planning

**Discussion:**

Huawei presented the discussion paper during the CC#3.

Samsung had some reservation for the proposed solution and suggested to include this solution to Rel-18 instead.

Motorola Solutions was of the view that this proposal should not be part of Rel-17.

**Decision:** The document was **revised to S6-211802**.

**S6-211802 Addition of a prediction expiration time IE to resolve the editor’s note on service continuity planning**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0022 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-211667)

**Discussion:**

The contribution was discussed during the closing call.

Samsung and KPN had some concerns.

**Decision:** The document was **postponed**.

### 7.7 eV2XAPP - Enhanced application layer support for V2X services

**S6-211654 Clarifications for RAT Type usage in network monitoring procedure**

 *Type: CR For: Agreement
 23.286 v17.2.0 CR-0066 Cat: F (Rel-17)

 Source: CATT*

**Abstract:**

The contribution proposes clarifications for the RAT type usage in network monitoring procedure.

**Decision:** The document was **revised to S6-211770**.

**S6-211770 Clarifications for RAT Type usage in network monitoring procedure**

 *Type: CR For: Agreement
 23.286 v17.2.0 CR-0066 rev 1 Cat: F (Rel-17)

 Source: CATT*

(Replaces S6-211654)

**Discussion:**

The draft 1770rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211837**.

**S6-211837 Clarifications for RAT Type usage in network monitoring procedure**

 *Type: CR For: Agreement
 23.286 v17.2.0 CR-0066 rev 2 Cat: F (Rel-17)

 Source: CATT*

(Replaces S6-211770)

**Discussion:**

Agreed as per S6-211770rev1.

**Decision:** The document was **agreed**.

**S6-211695 Corrections to HDMap procedures**

 *Type: CR For: Agreement
 23.286 v17.2.0 CR-0069 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Corrections to HDMap procedures.

**Decision:** The document was **revised to S6-211818**.

**S6-211818 Corrections to HDMap procedures**

 *Type: CR For: Agreement
 23.286 v17.2.0 CR-0069 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-211695)

**Decision:** The document was **agreed**.

**S6-211693 Alignment with SEAL identity management**

 *Type: CR For: Agreement
 23.286 v17.2.0 CR-0067 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Alignment with SEAL identity management

**Decision:** The document was **agreed**.

**S6-211694 Alignment with SEAL key management**

 *Type: CR For: Agreement
 23.286 v17.2.0 CR-0068 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Alignment with SEAL key management

**Decision:** The document was **agreed**.

### 7.8 UASAPP - Application layer support for Unmanned Aerial System (UAS)

**S6-211690 Terminology alignment to use uncrewed**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0004 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Terminology alignment to use uncrewed

**Decision:** The document was **revised to S6-211815**.

**S6-211815 Terminology alignment to use uncrewed**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0004 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-211690)

**Decision:** The document was **agreed**.

**S6-211691 Alignment with 5GC architecture**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0005 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Alignment with 5GC architecture

**Decision:** The document was **revised to S6-211816**.

**S6-211816 Alignment with 5GC architecture**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0005 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-211691)

**Decision:** The document was **Agreed**.

**S6-211642 Event monitoring clause corrections**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0001 Cat: F (Rel-17)

 Source: Samsung*

**Abstract:**

The CR proposes resolving the following ENs for Event monitoring related procedures by adding the correct clauses from TS 23.434.

 - Editor's note: Adding exact clause reference from TS 23.434 is FFS,

 - Editor's note: Adding reference to API from TS 23.434 is FFS

**Decision:** The document was **merged**.

**S6-211643 Location deviation clause corrections**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0002 Cat: F (Rel-17)

 Source: Samsung*

**Abstract:**

The CR proposes resolving the EN (Editor's note: Adding reference to the SEAL LMS Monitoring Location Deviation procedure as specified in 3GPP TS 23.434 [5] is FFS) by referring to the correct clauses related to location monitoring from TS 23.434. Also, the APIs list need to be updated with the LocationMonitoring API.

**Decision:** The document was **merged**.

**S6-211689 Correction to SEAL references**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0003 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to SEAL references.

**Decision:** The document was **revised to S6-211814**.

**S6-211814 Correction to SEAL references**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0003 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon, Samsung*

(Replaces S6-211689)

**Decision:** The document was **agreed**.

**S6-211692 Resolve EN about Geographical Area**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0006 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Resolve EN about Geographical Area

**Decision:** The document was **revised to S6-211817**.

**S6-211817 Resolve EN about Geographical Area**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0006 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-211692)

**Decision:** The document was **Agreed**.

**S6-211698 Alignment of text in clause 7.4.2.3**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0007 Cat: F (Rel-17)

 Source: InterDigital*

**Decision:** The document was **agreed**.

## 8 Rel-17 Work Items with Exception

### 8.1 eSEAL - Enhanced Service Enabler Architecture Layer for Verticals

**S6-211625 Utilize NEF location service for SEAL LM**

 *Type: CR For: (not specified)
 23.434 v17.2.0 CR-0076 Cat: B (Rel-17)

 Source: Ericsson, ZTE*

**Abstract:**

TR 23.745 solution#7 studies the enhancement in SEAL LM which is applicable for different vertical applications.

It is proposed to use the solution for enhancing TS 23.434 SEAL LM function.

**Decision:** The document was **revised to S6-211798**.

**S6-211798 Utilize NEF location service for SEAL LM**

 *Type: CR For: -
 23.434 v17.2.0 CR-0076 rev 1 Cat: B (Rel-17)

 Source: Ericsson, ZTE, Deutsche Telekom, Kyonggi University*

(Replaces S6-211625)

**Decision:** The document was **revised to S6-211838**.

**S6-211838 Utilize NEF location service for SEAL LM**

 *Type: CR For: -
 23.434 v17.2.0 CR-0076 rev 2 Cat: B (Rel-17)

 Source: Ericsson, ZTE, Deutsche Telekom, Kyonggi University*

(Replaces S6-211798)

**Decision:** The document was **agreed**.

**S6-211641 Updates to Location based Group**

 *Type: CR For: Agreement
 23.434 v17.2.0 CR-0078 Cat: C (Rel-17)

 Source: Samsung*

**Abstract:**

The CR proposes resolving following EN through updates to the Location based Group.

**Decision:** The document was **revised to S6-211786**.

**S6-211786 Updates to Location based Group**

 *Type: CR For: Agreement
 23.434 v17.2.0 CR-0078 rev 1 Cat: C (Rel-17)

 Source: Samsung*

(Replaces S6-211641)

**Discussion:**

The 1786\_Rev3 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211839**.

**S6-211839 Updates to Location based Group**

 *Type: CR For: Agreement
 23.434 v17.2.0 CR-0078 rev 2 Cat: C (Rel-17)

 Source: Samsung*

(Replaces S6-211786)

**Discussion:**

Agreed as per 1786\_Rev3.

**Decision:** The document was **agreed**.

**S6-211622 Improved Event Monitoring Service**

 *Type: CR For: (not specified)
 23.434 v17.2.0 CR-0075 Cat: C (Rel-17)

 Source: Ericsson*

**Abstract:**

The NRM service is enhanced with event monitoring (including analytics event) function for VAL server.

**Decision:** The document was **revised to S6-211797**.

**S6-211797 Improved Event Monitoring Service**

 *Type: CR For: -
 23.434 v17.2.0 CR-0075 rev 1 Cat: C (Rel-17)

 Source: Ericsson*

(Replaces S6-211622)

**Discussion:**

The draft 1797\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211840**.

**S6-211840 Improved Event Monitoring Service**

 *Type: CR For: -
 23.434 v17.2.0 CR-0075 rev 2 Cat: C (Rel-17)

 Source: Ericsson*

(Replaces S6-211797)

**Discussion:**

Agreed as per 1797\_Rev1.

**Decision:** The document was **agreed**.

**S6-211594 Unicast QoS monitoring data retrieval**

 *Type: CR For: Approval
 23.434 v17.2.0 CR-0073 Cat: B (Rel-17)

 Source: Ericsson*

**Abstract:**

SEAL network resource management currently provides support for QoS monitoring of unicast resources by means of the subscribe/notify mechanism. This CR provides the request/response mechanism to enable the VAL application to retrieve unicast QoS monitoring data pertaining to unicast resources in active use or used in the past.

This CR defines a new procedure for the VAL server to retrieve QoS monitoring data from the NRM server.

**Decision:** The document was **revised to S6-211793**.

**S6-211793 Unicast QoS monitoring data retrieval**

 *Type: CR For: Approval
 23.434 v17.2.0 CR-0073 rev 1 Cat: B (Rel-17)

 Source: Ericsson*

(Replaces S6-211594)

**Discussion:**

The contribution was discussed during the closing call.

Huawei (how to address historical data) and Deutsche Telekom had concerns.

**Decision:** The document was **postponed**.

**S6-211595 Unified support for TSC/TSN services procedures**

 *Type: CR For: Approval
 23.434 v17.2.0 CR-0074 Cat: F (Rel-17)

 Source: Ericsson*

**Abstract:**

TR 23.745 Solution #22 incorporates SEAL support for TSN and 5G native TSC services. It is applicable for other vertical applications as well.

It is proposed to use that solution for enhancing TS 23.434 NRM function.

**Decision:** The document was **revised to S6-211799**.

**S6-211799 Unified support for TSC/TSN services procedures**

 *Type: CR For: Approval
 23.434 v17.2.0 CR-0074 rev 1 Cat: F (Rel-17)

 Source: Ericsson*

(Replaces S6-211595)

**Discussion:**

The contribution was discussed during the closing call.

Huawei had concerns wrt e.g. architecture parts.

**Decision:** The document was **postponed**.

**S6-211636 Enable VAL server for P2P media parameter negotiation.**

 *Type: CR For: Approval
 23.434 v17.2.0 CR-0077 Cat: B (Rel-17)

 Source: Tencent*

**Decision:** The document was **postponed**.

### 8.2 5GMARCH - Application Architecture for MSGin5G Service

**S6-211527 Add some abbreviations**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

**Decision:** The document was **approved**.

**S6-211567 Resolve ENs about the number 65535**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-211722**.

**S6-211722 Resolve ENs about the number 65535**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

(Replaces S6-211567)

**Decision:** The document was **approved**.

**S6-211568 Correct errors on AS de-registration**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-211723**.

**S6-211723 Correct errors on AS de-registration**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

(Replaces S6-211568)

**Decision:** The document was **approved**.

**S6-211570 Remove CB from legacy 3gpp message descriptions**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-211726**.

**S6-211726 Remove CB from legacy 3gpp message descriptions**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

(Replaces S6-211570)

**Decision:** The document was **approved**.

**S6-211571 AS registration and de-registration procedure**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-211727**.

**S6-211727 AS registration and de-registration procedure**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

(Replaces S6-211571)

**Decision:** The document was **approved**.

**S6-211573 Remove ENs with no actions**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-211724**.

**S6-211724 Remove ENs with no actions**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

(Replaces S6-211573)

**Decision:** The document was **approved**.

**S6-211574 Corrections on delivery report request related IEs**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-211725**.

**S6-211725 Corrections on delivery report request related IEs**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

(Replaces S6-211574)

**Discussion:**

The draft S6-211725\_Rev2 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211841**.

**S6-211841 Corrections on delivery report request related IEs**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: Huawei, Hisilicon*

(Replaces S6-211725)

**Discussion:**

Approved as per S6-211725\_Rev2.

**Decision:** The document was **approved**.

**S6-211580 Pseudo-CR on Modifications to clause 7.2**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

**Abstract:**

From the table of contents it could be assumed that clauses 8.7.1.4 and 8.7.1.5 specify the procedure for a non-MSGin5G UE to send a message to a MSGin5G UE. However, the text does not specify initiating sending a message (which cannot be supported) but how a non-MSGin5G UE can send a reply message to an earlier receiver message. Text describing that is added to the end of clause 7.

**Decision:** The document was **revised to S6-211774**.

**S6-211774 Pseudo-CR on Modifications to clause 7.2**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

(Replaces S6-211580)

**Decision:** The document was **approved**.

**S6-211581 Pseudo-CR on Modifications to Registration Procedure**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

**Abstract:**

The contribution proposes modifications to the registration procedure.

**Decision:** The document was **revised to S6-211775**.

**S6-211775 Pseudo-CR on Modifications to Registration Procedure**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

(Replaces S6-211581)

**Decision:** The document was **approved**.

**S6-211582 Pseudo-CR on Changes to clause 8.3**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

**Abstract:**

The contribution proposes changes to clause 8.3 "Message delivery procedures into and from MSGin5G Server".

**Decision:** The document was **revised to S6-211776**.

**S6-211776 Pseudo-CR on Changes to clause 8.3**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

(Replaces S6-211582)

**Decision:** The document was **approved**.

**S6-211583 Pseudo-CR on Corrections to clause 8.6.1**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

**Abstract:**

The pCR contains a number of clarifications.

A technical change is to adhere to the basic principle that a Delivery Report is a point-to-point message in which the Payload IE contains the delivery status information. The Payload IE is out of scope.

The original text assumed that the Delivery Report would be included in the response from the Message GW to the MSGin5G Server after having received the MSGin5G message. This would break the principle.

**Decision:** The document was **revised to S6-211777**.

**S6-211777 Pseudo-CR on Corrections to clause 8.6.1**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

(Replaces S6-211583)

**Decision:** The document was **approved**.

**S6-211584 Pseudo-CR on Removal of MGW Service ID**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

**Decision:** The document was **postponed**.

**S6-211585 Pseudo-CR on Distribution of Group Message**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

**Decision:** The document was **postponed**.

**S6-211586 Pseudo-CR on Corrections and changes to clause 8.7.1**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

**Abstract:**

The pCR provides a number of corrections to clause 8.7.1. This includes a number of figures that were in the wrong place.

Clauses 8.7.1.1 to 8.7.1.5 suggest that most options of message exchange between UE types is covered. However, the text for 8.7.1.4 specifies a SMS UE replying to an earlier received message. Clause 8.7.1.4 is re-written as a generic Legacy 3GPP reply message procedure;.

The pCR also contains changes to adhere to the principle that a Delivery status report is a point-to-point message and not included in a response to the original message.

Another alignment is where the MSGin5G Server doesn't have to be aware of UE types; various pre-conditions and procedure steps that suggest that the MSGin5G Server does have to know about UE types is removed.

**Decision:** The document was **revised to S6-211778**.

**S6-211778 Pseudo-CR on Corrections and changes to clause 8.7.1**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

(Replaces S6-211586)

**Discussion:**

The contribution was discussed during the closing call.

Samsung had concerns (wrt e.g. routing principle).

Huawei had concerns (wrt to the message delivery).

**Decision:** The document was **postponed**.

**S6-211587 Pseudo-CR on Inter-PLMN message delivery**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

**Abstract:**

The pCR adds a clarification that the inter-PLMN messaging procedure specified in 8.7.5.1 is restricted to point-to-point message delivery and proposes to add an editor's note to study other delivery mechanisms.

Removal of the editor's note at the end by modifying the text to state that a Delivery report is a point-to-point message.

**Decision:** The document was **revised to S6-211780**.

**S6-211780 Pseudo-CR on Inter-PLMN message delivery**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

(Replaces S6-211587)

**Decision:** The document was **approved**.

**S6-211588 Pseudo-CR on Change to Description of Group Service ID**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

**Abstract:**

The pCR proposes change to the description of Group Service ID.

**Discussion:**

The contribution was discussed during the closing call.

Samsung had concerns (Group Service ID shall be communicated to all members of the group).

**Decision:** The document was **postponed**.

**S6-211589 Pseudo-CR on Corrections to Reference Point descriptions**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

**Abstract:**

The pCR provides changes to 2 reference points.

- There is no procedure for indicating the underlying message delivery mechanism to the Legacy 3GPP Message Gateway and the intention is that the MSGin5G Server should not have to know the UE type.

- There is no procedure that registers a Gateway with the MSGin5G Server. Furthermore, a Service Provider (Message Gateway) registering with a Service Consumer (MSGin5G Server) breaks the principle of a Service Based Architecture.

**Decision:** The document was **revised to S6-211779**.

**S6-211779 Pseudo-CR on Corrections to Reference Point descriptions**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

(Replaces S6-211589)

**Decision:** The document was **approved**.

**S6-211590 Pseudo-CR on Modifications to Delivery based on Topic**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

**Abstract:**

Table 8.3.3-1 contains the Message delivery based on Messaging Topic indication IE, but a corresponding IE does not exist for any other delivery mechanism. Furthermore, it is unclear why a service end-point that receives a message would need to know that message delivery was based on a Topic ID, or any other delivery mechanism for that matter. The pCR proposes to remove that IE.

The note below table 8.8.1-1 also appears at the bottom of that table. The pCR proposes to remove the duplicate note.

Some editorial rewording at the end of clause 8.8.2 and a style change (from a numbered list to B1).

**Decision:** The document was **revised to S6-211781**.

**S6-211781 Pseudo-CR on Modifications to Delivery based on Topic**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

(Replaces S6-211590)

**Decision:** The document was **approved**.

**S6-211592 Correction of typos**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: one2many B.V.*

**Decision:** The document was **approved**.

**S6-211627 Pseudo-CR on Architectural requirements**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-211741**.

**S6-211741 Pseudo-CR on Architectural requirements**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: China Mobile Com. Corporation*

(Replaces S6-211627)

**Discussion:**

The draft S6-211741\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211842**.

**S6-211842 Pseudo-CR on Architectural requirements**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: China Mobile Com. Corporation*

(Replaces S6-211741)

**Discussion:**

Approved as per S6-211741\_Rev1.

**Decision:** The document was **approved**.

**S6-211628 remove EN in clause 1**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **approved**.

**S6-211629 remove EN in clause 8.1**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **approved**.

**S6-211637 Pseudo-CR on group notification to Message Gateway**

 *Type: pCR For: Approval
 23.554 v0.4.0
 Source: Samsung*

**Abstract:**

MSGin5G service requires to support groups including UEs from Legacy 3GPP UE and non-3GPP UE apart from MSGin5G UEs. When a group is created, the notification associated to it is expected to be sent to non-MSGin5G UEs via Message Gateways.

The proposal in this pCR is based on the solution that was studied in TR 23.700-24 clause 6.4.5 Solution description for group notification interworking using SEAL.

**Decision:** The document was **revised to S6-211783**.

**S6-211783 Pseudo-CR on group notification to Message Gateway**

 *Type: pCR For: Approval
 23.554 v0.4.0
 Source: Samsung*

(Replaces S6-211637)

**Discussion:**

The contribution was discussed during the closing call.

AT&T had concerns.

**Decision:** The document was **postponed**.

**S6-211639 Pseudo-CR on usage of SEAL group management**

 *Type: pCR For: Approval
 23.554 v0.4.0
 Source: Samsung*

**Abstract:**

This contribution provides a proposal for usage of SEAL.

**Decision:** The document was **revised to S6-211784**.

**S6-211784 Pseudo-CR on usage of SEAL group management**

 *Type: pCR For: Approval
 23.554 v0.4.0
 Source: Samsung*

(Replaces S6-211639)

**Discussion:**

The draft S6-211784\_Rev1 was reviewed during the closing call.

One2many pointed out that if routing based on service id will be pursued then this pCR is not needed.

**Decision:** The document was **revised to S6-211843**.

**S6-211843 Pseudo-CR on usage of SEAL group management**

 *Type: pCR For: Approval
 23.554 v0.4.0
 Source: Samsung*

(Replaces S6-211784)

**Discussion:**

Approved as per S6-211784\_Rev1.

**Decision:** The document was **approved**.

**S6-211640 Pseudo-CR on Constrained devices support**

 *Type: pCR For: Approval
 23.554 v0.4.0
 Source: Samsung*

**Abstract:**

The application architecture in clause 5.2 supports constrained device to access MSGin5G service via MSGin5G UE-1 which is non-constrained device having access to network. This pCR provides procedures for constrained device to send and receive messages using MSGin5G UE-1.

**Decision:** The document was **revised to S6-211785**.

**S6-211785 Pseudo-CR on Constrained devices support**

 *Type: pCR For: Approval
 23.554 v0.4.0
 Source: Samsung*

(Replaces S6-211640)

**Discussion:**

The draft S6-211785\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211844**.

**S6-211844 Pseudo-CR on Constrained devices support**

 *Type: pCR For: Approval
 23.554 v0.4.0
 Source: Samsung*

(Replaces S6-211785)

**Discussion:**

Approved as per S6-211785\_Rev1.

**Decision:** The document was **approved**.

**S6-211657 Group management in 5GMARCH**

 *Type: discussion For: Discussion
 Source: Huawei, Hisilicon*

**Abstract:**

Discussion on Group management in 5GMARCH

**Decision:** The document was **noted**.

**S6-211701 Device Triggering ENs**

 *Type: pCR For: Agreement
 23.554 v1.0.0
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-211713**.

**S6-211713 Device Triggering ENs**

 *Type: pCR For: Agreement
 23.554 v1.0.0
 Source: Convida Wireless LLC*

(Replaces S6-211701)

**Decision:** The document was **approved**.

**S6-211638 Pseudo-CR on MSGin5G Server Routing**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: AT&T GNS Belgium SPRL*

**Abstract:**

The contribution aims at clarifying that the MSGin5G server always routes a message based on the service endpoint’s Service ID.

**Decision:** The document was **revised to S6-211729**.

**S6-211729 Pseudo-CR on MSGin5G Server Routing**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: AT&T GNS Belgium SPRL*

(Replaces S6-211638)

**Discussion:**

The contribution was discussed during the closing call.

Samsung had still concerns wrt changes to the MSGin5G routing.

**Decision:** The document was **postponed**.

**S6-211696 MSGin5G Server Function**

 *Type: pCR For: Approval
 23.554 v1.0.0
 Source: AT&T GNS Belgium SPRL*

**Abstract:**

MSGin5G Server Function

**Discussion:**

The contribution was discussed during the closing call.

Samsung had still concerns.

**Decision:** The document was **postponed**.

**S6-211708 5GMARCH – Open Issues**

 *Type: discussion For: discussion
 Source: Samsung*

**Decision:** The document was **noted**.

## 9 Rel-17 Study Items

### 9.1 FS\_FFAPP - Study on application layer support for Factories of the Future in 5G network

**S6-211560 5G system capabilities for Factories of the Future application**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **approved**.

**S6-211561 5G system capabilities of messaging**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: China Mobile Com. Corporation*

**Abstract:**

The pCR proposes adding the 5G system capability of Messaging impact on application layer support for Factories of the Future.

**Decision:** The document was **revised to S6-211762**.

**S6-211762 5G system capabilities of messaging**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: China Mobile Com. Corporation*

(Replaces S6-211561)

**Decision:** The document was **approved**.

**S6-211562 Update of Factory of the Future use cases**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **approved**.

**S6-211531 FFAPP Evaluation of solutions for KI#1**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211731**.

**S6-211731 FFAPP Evaluation of solutions for KI#1**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

(Replaces S6-211531)

**Decision:** The document was **approved**.

**S6-211532 FFAPP Evaluation of solutions for KI#2**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211732**.

**S6-211732 FFAPP Evaluation of solutions for KI#2**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

(Replaces S6-211532)

**Decision:** The document was **approved**.

**S6-211533 FFAPP Evaluation of solutions for KI#3**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211734**.

**S6-211734 FFAPP Evaluation of solutions for KI#3**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

(Replaces S6-211533)

**Decision:** The document was **approved**.

**S6-211534 FFAPP Evaluation of solutions for KI#6**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211735**.

**S6-211735 FFAPP Evaluation of solutions for KI#6**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

(Replaces S6-211534)

**Decision:** The document was **approved**.

**S6-211535 FFAPP Evaluation of solutions for KI#7**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211736**.

**S6-211736 FFAPP Evaluation of solutions for KI#7**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

(Replaces S6-211535)

**Decision:** The document was **approved**.

**S6-211536 FFAPP Evaluation of solutions for KI#9**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211737**.

**S6-211737 FFAPP Evaluation of solutions for KI#9**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

(Replaces S6-211536)

**Decision:** The document was **approved**.

**S6-211537 FFAPP Evaluation of solutions for KI#10**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211738**.

**S6-211738 FFAPP Evaluation of solutions for KI#10**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

(Replaces S6-211537)

**Decision:** The document was **approved**.

**S6-211538 FFAPP Evaluation of solutions for KI#12**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **approved**.

**S6-211539 FFAPP Evaluation of solutions for KI#13**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211739**.

**S6-211739 FFAPP Evaluation of solutions for KI#13**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

(Replaces S6-211539)

**Decision:** The document was **approved**.

**S6-211541 FFAPP Evaluation of solutions for KI#15**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211742**.

**S6-211742 FFAPP Evaluation of solutions for KI#15**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

(Replaces S6-211541)

**Decision:** The document was **approved**.

**S6-211542 FFAPP Evaluation of solutions for KI#16**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211743**.

**S6-211743 FFAPP Evaluation of solutions for KI#16**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

(Replaces S6-211542)

**Decision:** The document was **approved**.

**S6-211543 FFAPP Evaluation of solutions for KI#17**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211744**.

**S6-211744 FFAPP Evaluation of solutions for KI#17**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

(Replaces S6-211543)

**Decision:** The document was **approved**.

**S6-211544 FFAPP Evaluation of solutions for KI#18**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211745**.

**S6-211745 FFAPP Evaluation of solutions for KI#18**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

(Replaces S6-211544)

**Decision:** The document was **approved**.

**S6-211540 FFAPP Evaluation of solutions and conclusion for KI#14**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-211740**.

**S6-211740 FFAPP Evaluation of solutions and conclusion for KI#14**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation, Huawei*

(Replaces S6-211540)

**Decision:** The document was **approved**.

**S6-211671 Remove duplicate conclusions**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Remove duplicate conclusions

**Decision:** The document was **merged**.

**S6-211530 add solution 2 & 11 into conclusion**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **merged**.

**S6-211670 Conclusion for solution#2 and solution#11**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Conclusion for solution#2 and solution#11.

**Decision:** The document was **revised to S6-211803**.

**S6-211803 Conclusion for solution#2 and solution#11**

 *Type: pCR For: Approval
 23.745 v1.6.0
 Source: Huawei, Hisilicon, ZTE*

(Replaces S6-211670)

**Decision:** The document was **approved**.

## 10 Rel-18 Study Items

### 10.1 FS\_MCOver5GS - Study on Mission Critical Services support over 5G System

**S6-211563 Update of reference**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **approved**.

**S6-211565 Update for key Issue 10 Low latency and user/media plane capabilities**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Kontron Transportation France, UIC*

**Decision:** The document was **revised to S6-211750**.

**S6-211750 Update for key Issue 10 Low latency and user/media plane capabilities**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Kontron Transportation France, UIC*

(Replaces S6-211565)

**Decision:** The document was **approved**.

**S6-211523 5G MBS system architecture update in key issue #13**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-211719**.

**S6-211719 5G MBS system architecture update in key issue #13**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Ericsson*

(Replaces S6-211523)

**Decision:** The document was **approved**.

**S6-211683 KI #13 update with Service continuity between 4G eMBMS and 5G MBS**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for KI #13 update with Service continuity between 4G eMBMS and 5G MBS

**Decision:** The document was **approved**.

**S6-211685 New KI on MC service over 5G Prose**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for New KI on MC service over 5G Prose

**Decision:** The document was **approved**.

**S6-211616 Pseudo-CR on key issue on the use of 5QI for MCData**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: UIC, Nokia, Nokia Shanghai Bell*

**Abstract:**

MCData service capabilities shall only utilize 5QI 70 in accordance to 3GPP TS 23.501 which allows less flexibility for certain data application.

Data applications using MCData service capability are more diverse than following the deterministic approach of 5QI 70 capability. This new key issue address the circumstance to scrutinize more flexibility in the use of 5QIs for MCData service capabilities.

**Decision:** The document was **revised to S6-211791**.

**S6-211791 Pseudo-CR on key issue on the use of 5QI for MCData**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: UIC, Nokia, Nokia Shanghai Bell*

(Replaces S6-211616)

**Decision:** The document was **approved**.

**S6-211566 Update for Solution 5 Flexible media distribution for low latency applications**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Kontron Transportation France, UIC*

**Abstract:**

The contribution proposes adding more details to Solution 5 Flexible media distribution for low latency applications.

**Decision:** The document was **revised to S6-211752**.

**S6-211752 Update for Solution 5 Flexible media distribution for low latency applications**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Kontron Transportation France, UIC*

(Replaces S6-211566)

**Discussion:**

The draft 1752\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211845**.

**S6-211845 Update for Solution 5 Flexible media distribution for low latency applications**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Kontron Transportation France, UIC*

(Replaces S6-211752)

**Discussion:**

Approved as per 1752\_Rev1.

**Decision:** The document was **approved**.

**S6-211525 Update solution 9 on general use of 5G MBS services**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-211721**.

**S6-211721 Update solution 9 on general use of 5G MBS services**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Ericsson*

(Replaces S6-211525)

**Decision:** The document was **approved**.

**S6-211524 Update solution 10 on MBS session configuration and service announcement**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-211720**.

**S6-211720 Update solution 10 on MBS session configuration and service announcement**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Ericsson*

(Replaces S6-211524)

**Decision:** The document was **approved**.

**S6-211675 Resolve EN on MBS session QoS update**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for resolving EN on MBS session QoS update.

**Decision:** The document was **revised to S6-211805**.

**S6-211805 Resolve EN on MBS session QoS update**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

(Replaces S6-211675)

**Decision:** The document was **approved**.

**S6-211678 Supporting of local MBS features**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Supporting of local MBS features

**Discussion:**

Huawei presented the contribution during the CC#3.

FirstNet did not understand the premises for the proposal.

Motorola Solutions agreed with Firstnet and was of the view that the user in the proposed scenario should deaffiliate.

Home Office noted that it makes no sense to leave a user affiliated to a group, but they do not receive media. That violates many of their common principles.

Motorola Solutions made a remark that there was no reason build additional complexity (different functionality for 4G vs 5G) to the currently well working solutions.

Huawei did not agree with the principle that only send the data to the affiliated user. As one sends data to the unaffiliated user, it is expected that the user drop it themselves.

FirstNet was of the view the suggestion was not to send media to an affiliated member.

Further discussion to be continued offline.

**Decision:** The document was **revised to S6-211808**.

**S6-211808 Supporting of local MBS features**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

(Replaces S6-211678)

**Discussion:**

The contribution was discussed during the closing call.

FirstNet had still concerns.

**Decision:** The document was **postponed**.

**S6-211676 Service announcement alignment with TS 23.247**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Service announcement alignment with TS 23.247

**Discussion:**

Huawei presented the contribution (with some further changes) during the CC#3.

**Decision:** The document was **revised to S6-211806**.

**S6-211806 Service announcement alignment with TS 23.247**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

(Replaces S6-211676)

**Decision:** The document was **approved**.

**S6-211677 Clarification and usage of MapGroupToMBSsession**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Clarification and usage of MapGroupToMBSsession

**Decision:** The document was **revised to S6-211807**.

**S6-211807 Clarification and usage of MapGroupToMBSsession**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

(Replaces S6-211677)

**Decision:** The document was **approved**.

**S6-211680 Clarification on the MBS listening status report**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Clarification on the MBS listening status report

**Decision:** The document was **revised to S6-211809**.

**S6-211809 Clarification on the MBS listening status report**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

(Replaces S6-211680)

**Decision:** The document was **approved**.

**S6-211679 Corrections to the solution#19 title**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Corrections to the solution#19 title

**Decision:** The document was **approved**.

**S6-211520 UE multicast MBS session leave aspects for group communications**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-211716**.

**S6-211716 UE multicast MBS session leave aspects for group communications**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Ericsson*

(Replaces S6-211520)

**Decision:** The document was **approved**.

**S6-211521 5G MBS session release aspects for group communications**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-211717**.

**S6-211717 5G MBS session release aspects for group communications**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Ericsson*

(Replaces S6-211521)

**Decision:** The document was **approved**.

**S6-211522 5G MBS session update aspects for group communications**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-211718**.

**S6-211718 5G MBS session update aspects for group communications**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Ericsson*

(Replaces S6-211522)

**Decision:** The document was **approved**.

**S6-211684 Solution to service continuity between 4G eMBMS and 5G MBS**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution to service continuity between 4G eMBMS and 5G MBS

**Decision:** The document was **revised to S6-211812**.

**S6-211812 Solution to service continuity between 4G eMBMS and 5G MBS**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

(Replaces S6-211684)

**Discussion:**

The contribution was discussed during the closing call.

Ericsson had still concerns.

**Decision:** The document was **postponed**.

**S6-211686 Solution to KI on MC service over 5G ProSe**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution to KI on MC service over 5G ProSe

**Decision:** The document was **approved**.

**S6-211681 Overall evaluations for MBS solutions**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Overall evaluations for MBS solutions

**Discussion:**

A draft rev 1 version of S6-211681 was discussed during the CC#8.

Ericsson was of the view that the proposal was not suitable as an evaluation.

**Decision:** The document was **revised to S6-211810**.

**S6-211810 Overall evaluations for MBS solutions**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

(Replaces S6-211681)

**Discussion:**

The draft 1810\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211846**.

**S6-211846 Overall evaluations for MBS solutions**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

(Replaces S6-211810)

**Discussion:**

Approved as per 1810\_Rev1.

**Decision:** The document was **approved**.

**S6-211682 Conclusions for MBS solutions**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Conclusions for MBS solutions

**Decision:** The document was **revised to S6-211811**.

**S6-211811 Conclusions for MBS solutions**

 *Type: pCR For: Approval
 23.783 v1.4.0
 Source: Huawei, Hisilicon*

(Replaces S6-211682)

**Discussion:**

The contribution was discussed during the closing call.

Ericsson had still concerns (i.e. empty clauses).

**Decision:** The document was **postponed**.

### 10.2 FS\_MCGWUE - Study of Gateway UE function for Mission Critical Communication

**S6-211621 Pseudo-CR on minor editorials**

 *Type: pCR For: (not specified)
 23.700-79 v1.0.0
 Source: Samsung*

**Abstract:**

This pCR fixes the Key issue # in the section 5.7 and 7.6.1 which currently says X. Key issue 6 is changed to Key issue 7 and the instances of MC GW Service ID is replaced with GW MC Service ID

**Decision:** The document was **approved**.

**S6-211597 Detailing functional entity descriptions**

 *Type: pCR For: Approval
 23.700-79 v1.0.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The pCR addresses the editor's note in clause 7.1.2.2 describing the reference points for the MC gateway UE.

**Decision:** The document was **revised to S6-211748**.

**S6-211748 Detailing functional entity descriptions**

 *Type: pCR For: Approval
 23.700-79 v1.0.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

(Replaces S6-211597)

**Decision:** The document was **approved**.

**S6-211608 Clarification of MC gateway UE selection procedure**

 *Type: pCR For: Approval
 23.700-79 v1.0.0
 Source: BDBOS*

**Abstract:**

The contribution proposes clarification of the MC gateway UE selection procedure.

**Decision:** The document was **revised to S6-211773**.

**S6-211773 Clarification of MC gateway UE selection procedure**

 *Type: pCR For: Approval
 23.700-79 v1.0.0
 Source: BDBOS*

(Replaces S6-211608)

**Decision:** The document was **approved**.

**S6-211626 Pseudo-CR on supporting MBMS bearer for MC Service clients residing on non- 3GPP device**

 *Type: pCR For: (not specified)
 23.700-79 v1.0.0
 Source: Samsung, Nokia, Nokia Shanghai Bell, BDBOS, FirstNet*

**Decision:** The document was **revised to S6-211733**.

**S6-211733 Pseudo-CR on supporting MBMS bearer for MC Service clients residing on non- 3GPP device**

 *Type: pCR For: -
 23.700-79 v1.0.0
 Source: Samsung, Nokia, Nokia Shanghai Bell, BDBOS, FirstNet*

(Replaces S6-211626)

**Decision:** The document was **approved**.

**S6-211615 Pseudo-CR on MC gateway UE and MC client IP address association**

 *Type: pCR For: Approval
 23.700-79 v1.0.0
 Source: UIC, Nokia, Nokia Shanghai Bell*

**Abstract:**

The pCR proposes resolving the editor’s Notes in clauses 7.7.3 and 7.7.4.

**Decision:** The document was **revised to S6-211790**.

**S6-211790 Pseudo-CR on MC gateway UE and MC client IP address association**

 *Type: pCR For: Approval
 23.700-79 v1.0.0
 Source: UIC, Nokia, Nokia Shanghai Bell*

(Replaces S6-211615)

**Decision:** The document was **approved**.

**S6-211624 Pseudo-CR on adding solution evaluation description in section 7.6.4**

 *Type: pCR For: (not specified)
 23.700-79 v1.0.0
 Source: Samsung, Nokia, Nokia Shanghai Bell*

**Decision:** The document was **approved**.

**S6-211596 Architectural requirements section update**

 *Type: pCR For: Approval
 23.700-79 v1.0.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

No architectural requirements have been identified. The pCR updates the architectural requirements section to note this fact.

**Decision:** The document was **approved**.

**S6-211598 Overall evaluation section update**

 *Type: pCR For: Approval
 23.700-79 v1.0.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The pCR updates the overall evaluation section after 3GPP SA6#43 (last meeting).

**Decision:** The document was **approved**.

### 10.3 FS\_IRail - Study of Interconnection and Migration Aspects for Railways

**S6-211599 Functional alias configuration data for migrated users**

 *Type: pCR For: Approval
 23.700-90 v0.3.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The pCR addresses the editor's note on functional alias configuration data part in the user profile for a migrated user.

**Decision:** The document was **approved**.

**S6-211600 Information Flows for Migration during an ongoing Private Communication**

 *Type: pCR For: Approval
 23.700-90 v0.3.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The pCR provides the information flows for the solution describing the migration on an MCPTT user to another MCPTT system during an private MCPTT communication.

**Decision:** The document was **revised to S6-211749**.

**S6-211749 Information Flows for Migration during an ongoing Private Communication**

 *Type: pCR For: Approval
 23.700-90 v0.3.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

(Replaces S6-211600)

**Decision:** The document was **approved**.

**S6-211601 Evaluation text for the solution on using Functional Alias by migrated users**

 *Type: pCR For: Approval
 23.700-90 v0.3.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The pCR provides text for the evaluation part for the solution describing the functional alias support for migrated users.

**Decision:** The document was **approved**.

**S6-211602 Evaluation text for the solution on Migration during ongoing Group Communications**

 *Type: pCR For: Approval
 23.700-90 v0.3.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The pCR provides text for the evaluation part of solution describing the migration on an MCPTT user to another MCPTT system during an ongoing MCPTT group communication.

**Decision:** The document was **approved**.

**S6-211603 Evaluation text for the solution on Migration during an ongoing Private Communication**

 *Type: pCR For: Approval
 23.700-90 v0.3.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The pCR provides text for the evaluation part of solution describing the migration on an MCPTT user to another MCPTT system during an private MCPTT communication.

**Decision:** The document was **approved**.

**S6-211604 Evaluation text for the Private Call Setup solution**

 *Type: pCR For: Approval
 23.700-90 v0.3.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The pCR provides text for the evaluation part for the solution describing the private call scenario using a functional alias towards an MC user in a partner MC system.

**Decision:** The document was **approved**.

**S6-211605 Overall evaluation section update**

 *Type: pCR For: Approval
 23.700-90 v0.3.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The pCR updates the overall evaluation section after 3GPP SA6#42-bis-e (April 2021).

**Decision:** The document was **approved**.

### 10.4 FS\_NSCALE - Study on Network Slice Capability Exposure for Application Layer Enablement

**S6-211613 Work plan and key issue Discussion on FS-NSCALE**

 *Type: discussion For: (not specified)
 Source: China Mobile Com. Corporation*

**Discussion:**

CMCC presented a draft revision R1 of S6-211613 during the CC#6.

**Decision:** The document was **noted**.

**S6-211610 Skeleton for FS-NSCALE**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation*

**Discussion:**

The draft S6-211610\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211848**.

**S6-211848 Skeleton for FS-NSCALE**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation*

(Replaces S6-211610)

**Discussion:**

Approved as per S6-211610\_Rev1.

**Decision:** The document was **approved**.

**S6-211607 Scope of Study on Network Slice Capability Exposure for Application Layer Enablement**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation*

**Abstract:**

Scope of Study on Network Slice Capability Exposure for Application Layer Enablement.

**Decision:** The document was **revised to S6-211764**.

**S6-211764 Scope of Study on Network Slice Capability Exposure for Application Layer Enablement**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation*

(Replaces S6-211607)

**Discussion:**

The draft S6-211764\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211849**.

**S6-211849 Scope of Study on Network Slice Capability Exposure for Application Layer Enablement**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile, Huawei*

(Replaces S6-211764)

**Discussion:**

Approved as per S6-211764\_Rev1.

**Decision:** The document was **approved**.

**S6-211612 Application layer support aspect requirements**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **postponed**.

**S6-211609 New KI on Network slice related information exposure**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation*

**Abstract:**

This document proposes text for the Key Issue section of Study on Network Slice Capability Exposure for Application Layer Enablement.

**Decision:** The document was **revised to S6-211765**.

**S6-211765 New KI on Network slice related information exposure**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation*

(Replaces S6-211609)

**Discussion:**

The draft S6-211765\_Rev3 was reviewed during the closing call.

Deutsche Telekom had concerns with the contribution.

**Decision:** The document was **postponed**.

**S6-211611 New KI on Application layer slice management capability exposure**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation*

**Abstract:**

This document proposes text for the Key Issue section of Study on Network Slice Capability Exposure for Application Layer Enablement.

**Decision:** The document was **revised to S6-211766**.

**S6-211766 New KI on Application layer slice management capability exposure**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation*

(Replaces S6-211611)

**Discussion:**

The draft S6-211766\_Rev3 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211850**.

**S6-211850 New KI on Application layer slice management capability exposure**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation, Huawei*

(Replaces S6-211766)

**Discussion:**

Approved as per S6-211766\_Rev3.

**Decision:** The document was **approved**.

**S6-211569 KI on SEAL Enhancement**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation*

**Abstract:**

This pCR proposes to introduce new key issue on SEAL enhancement for better use of UE network slice capability.

**Decision:** The document was **revised to S6-211763**.

**S6-211763 KI on SEAL Enhancement**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

(Replaces S6-211569)

**Discussion:**

The draft S6-211763\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211851**.

**S6-211851 KI on SEAL Enhancement**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile, Lenovo, Motorola Mobility, Huawei*

(Replaces S6-211763)

**Discussion:**

Approved as per S6-211763\_Rev1.

**Decision:** The document was **approved**.

**S6-211572 New KI on Network Slice selection policy of UE**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **postponed**.

**S6-211699 Key Issue on management service exposure requirement for SEAL**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This contribution provides a new key issue on studying the MnS exposure requirements for SEAL services

**Decision:** The document was **merged**.

**S6-211700 Key Issue on discovery & registration aspects for management service exposure**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This contribution provides a new key issue to study the discovery and registration aspects for slice management service exposure via the enabler layer.

**Decision:** The document was **revised to S6-211782**.

**S6-211782 Key Issue on discovery & registration aspects for management service exposure**

 *Type: pCR For: Approval
 23.700-99 v0.0.0
 Source: Lenovo, Motorola Mobility*

(Replaces S6-211700)

**Decision:** The document was **approved**.

### 10.5 FS\_SNAAPP - Study on application enablement aspects for subscriber-aware northbound API access

**S6-211548 Skeleton for TR 23.700-95**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

**Abstract:**

Skeleton proposal for TR 23.700-95.

**Decision:** The document was **approved**.

**S6-211549 Text proposal on scope**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes the text for the scope of the TR.

**Decision:** The document was **revised to S6-211820**.

**S6-211820 Text proposal on scope**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211549)

**Discussion:**

The draft S6-211820\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211852**.

**S6-211852 Text proposal on scope**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211820)

**Discussion:**

Approved as per S6-211820\_Rev1.

**Decision:** The document was **approved**.

**S6-211550 Annex for SNA usage scenarios**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to add an informative annex to describe potential usage scenarios for SNA.

**Decision:** The document was **revised to S6-211821**.

**S6-211821 Annex for SNA usage scenarios**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211550)

**Decision:** The document was **approved**.

**S6-211551 Key Issue - Introducing the UE-side entities in the CAPIF architecture**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a key issue on introducing the UE-side entities in the CAPIF architecture.

**Decision:** The document was **revised to S6-211822**.

**S6-211822 Key Issue - Introducing the UE-side entities in the CAPIF architecture**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211551)

**Discussion:**

The draft S6-211822\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211853**.

**S6-211853 Key Issue - Introducing the UE-side entities in the CAPIF architecture**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211822)

**Discussion:**

Approved as per S6-211822\_Rev1.

**Decision:** The document was **approved**.

**S6-211552 Key Issue - Providing and revoking user consent upon invoking APIs**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a key issue on providing and revoking user consent upon invoking APIs.

**Decision:** The document was **approved**.

**S6-211823 Key Issue - Providing and revoking user consent upon invoking APIs**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211552)

**Discussion:**

The draft S6-211823\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211854**.

**S6-211854 Key Issue - Providing and revoking user consent upon invoking APIs**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211823)

**Decision:** The document was **approved**.

**S6-211553 Key Issue - API access control for UEs**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a key issue on API access control for UEs.

**Discussion:**

NTT DOCOMO presented a draft revision R1 of S6-211553 during the CC#6.

**Decision:** The document was **revised to S6-211824**.

**S6-211824 Key Issue - API access control for UEs**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211553)

**Discussion:**

The contribution was discussed during the closing call.

**Decision:** The document was **postponed**.

**S6-211554 Key Issue - Authentication and authorisation of the resource owner and the triggering UE**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a key issue on authentication and authorisation of the resource owner and the triggering UE.

**Discussion:**

NTT DOCOMO presented a draft revision R2 of S6-211554 during the CC#6.

**Decision:** The document was **revised to S6-211825**.

**S6-211825 Key Issue - Authentication and authorisation of the resource owner and the triggering UE**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211554)

**Discussion:**

The contribution was discussed during the closing call.

Huawei had still concerns.

**Decision:** The document was **postponed**.

**S6-211555 Key Issue - Preserving the confidentiality of the UE's identity**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a key issue on preserving the confidentiality of the UE's identity.

**Discussion:**

NTT DOCOMO presented a draft revision R1 of S6-211555 during the CC#6.

**Decision:** The document was **revised to S6-211826**.

**S6-211826 Key Issue - Preserving the confidentiality of the UE's identity**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211555)

**Discussion:**

The draft S6-211826\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211855**.

**S6-211855 Key Issue - Preserving the confidentiality of the UE's identity**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211826)

**Discussion:**

Approved as per S6-211826\_Rev1.

**Decision:** The document was **approved**.

**S6-211556 Key Issue - Providing information to identify networks and APIs**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a key issue on providing information to identify networks and APIs.

**Decision:** The document was **merged**.

**S6-211557 Key Issue - Enhancements in CAPIF functions for UE-specific services**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a key issue on enhancements in CAPIF functions for UE-specific services.

**Decision:** The document was **merged**.

**S6-211644 Pseudo-CR on New Key Issue on discovery of target API**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: Samsung*

**Abstract:**

As per 3GPP TS 22.261(clause 6.10.2), the third party needs to be provided with information to locate the target APIs in the network. A third party application may be serving UEs belonging to multiple PLMNs, based on the users subscribing to the third party services. This pCR proposes a new key issue to study how CAPIF can support the third party to locate the target API information.

**Decision:** The document was **revised to S6-211787**.

**S6-211787 Pseudo-CR on New Key Issue on discovery of target API**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: Samsung, NTT DOCOMO*

(Replaces S6-211644)

**Discussion:**

The draft S6-211787\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211856**.

**S6-211856 Pseudo-CR on New Key Issue on discovery of target API**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: Samsung, NTT DOCOMO*

(Replaces S6-211787)

**Discussion:**

Approved as per S6-211787 rev 1.

**Decision:** The document was **approved**.

**S6-211645 Pseudo-CR on New Key Issue on detection of subscriber centric API**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: Samsung*

**Abstract:**

The FS\_SNAAPP SID aims to study the capabilities needed in CAPIF to enable the verification of the 5GS subscriber in the context of the northbound API invocation. Not all APIs are subscriber centric and hence it needs to be studied on how CAPIF identifies the APIs that are in the context of UE(s) and selectively apply the subsequent verification procedures.

This pCR proposes new key issue on identification of subscriber centric API.

**Decision:** The document was **revised to S6-211788**.

**S6-211788 Pseudo-CR on New Key Issue on detection of subscriber centric API**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: Samsung*

(Replaces S6-211645)

**Discussion:**

The contribution was discussed during the closing call.

Huawei had still concerns.

**Decision:** The document was **postponed**.

**S6-211558 Key Issue - SEAL support for SNA**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a key issue on SEAL support for SNA.

**Decision:** The document was **revised to S6-211827**.

**S6-211827 Key Issue - SEAL support for SNA**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211558)

**Discussion:**

The draft S6-211827\_Rev1 was reviewed during the closing call.

Huawei had concerns with the proposal (key issue).

**Decision:** The document was **postponed**.

**S6-211559 Key Issue - EDGEAPP support for SNA**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a key issue on EDGEAPP support for SNA.

**Decision:** The document was **revised to S6-211828**.

**S6-211828 Key Issue - EDGEAPP support for SNA**

 *Type: pCR For: Approval
 23.700-95 v0.0.0
 Source: NTT DOCOMO*

(Replaces S6-211559)

**Discussion:**

The draft S6-211828\_Rev1 was reviewed during the closing call.

Huawei had concerns with the proposal (key issue).

**Decision:** The document was **postponed**.

### 10.6 FS\_ACE\_IOT - Study on Application Capability Exposure for IoT Platforms

**S6-211702 TR 23.700-97 FS\_ACE\_IoT skeleton**

 *Type: pCR For: Approval
 23.700-97 v0.0.0
 Source: Convida Wireless*

**Decision:** The document was **approved**.

**S6-211703 TR 23.700-97 FS\_ACE\_IoT scope**

 *Type: pCR For: Approval
 23.700-97 v0.0.0
 Source: Convida Wireless LLC*

**Decision:** The document was **approved**.

**S6-211704 Background Data Transfer negotiation KI**

 *Type: pCR For: Approval
 23.700-97 v0.0.0
 Source: Convida Wireless LLC*

**Discussion:**

Convida Wireless presented a draft revision R1 of S6-211704 during the CC#6.

**Decision:** The document was **revised to S6-211714**.

**S6-211714 Background Data Transfer negotiation KI**

 *Type: pCR For: Approval
 23.700-97 v0.0.0
 Source: Convida Wireless LLC*

(Replaces S6-211704)

**Discussion:**

The draft S6-211714\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211857**.

**S6-211857 Background Data Transfer negotiation KI**

 *Type: pCR For: Approval
 23.700-97 v0.0.0
 Source: Convida Wireless LLC*

(Replaces S6-211714)

**Discussion:**

Approved as per S6-211714\_Rev1.

**Decision:** The document was **approved**.

**S6-211705 IoT Platform monitoring service KI**

 *Type: pCR For: Approval
 23.700-97 v0.0.0
 Source: Convida Wireless LLC*

**Decision:** The document was **postponed**.

### 10.7 FS\_5GFLS - Study on 5G-enabled fused location service capability exposure

**S6-211633 FS\_5GFLS TR skeleton coversheet**

 *Type: pCR For: Approval
 23.700-96 v0.0.0
 Source: CATT*

**Abstract:**

Proposed skeleton for TR 23.700-96 “Study on 5G-enabled fused location service capability exposure.

**Decision:** The document was **revised to S6-211767**.

**S6-211767 FS\_5GFLS TR skeleton coversheet**

 *Type: pCR For: Approval
 23.700-96 v0.0.0
 Source: CATT*

(Replaces S6-211633)

**Decision:** The document was **approved**.

**S6-211632 Pseudo-CR on FS\_5GFLS scope**

 *Type: pCR For: Approval
 23.700-96 v0.0.0
 Source: CATT*

**Abstract:**

This contribution specifies the scope of the technical report.

**Decision:** The document was **revised to S6-211792**.

**S6-211792 Pseudo-CR on FS\_5GFLS scope**

 *Type: pCR For: Approval
 23.700-96 v0.0.0
 Source: CATT*

(Replaces S6-211632)

**Decision:** The document was **approved**.

**S6-211635 Pseudo-CR on definitions and abbreviations**

 *Type: pCR For: Approval
 23.700-96 v0.0.0
 Source: CATT*

**Abstract:**

This contribution provides definitions and abbreviations.

**Decision:** The document was **revised to S6-211769**.

**S6-211769 Pseudo-CR on definitions and abbreviations**

 *Type: pCR For: Approval
 23.700-96 v0.0.0
 Source: CATT*

(Replaces S6-211635)

**Decision:** The document was **approved**.

**S6-211634 Pseudo-CR on architectural assumptions**

 *Type: pCR For: Approval
 23.700-96 v0.0.0
 Source: CATT*

**Abstract:**

This contribution addresses architectural assumptions for the technical report.

**Decision:** The document was **revised to S6-211768**.

**S6-211768 Pseudo-CR on architectural assumptions**

 *Type: pCR For: Approval
 23.700-96 v0.0.0
 Source: CATT*

(Replaces S6-211634)

**Decision:** The document was **approved**.

**S6-211655 Pseudo-CR on new key issue for architecture enhancement**

 *Type: pCR For: Approval
 23.700-96 v0.0.0
 Source: CATT*

**Abstract:**

This contribution proposes adding new key issue on architecture enhancement of application enablement for location.

**Decision:** The document was **revised to S6-211771**.

**S6-211771 Pseudo-CR on new key issue for architecture enhancement**

 *Type: pCR For: Approval
 23.700-96 v0.0.0
 Source: CATT*

(Replaces S6-211655)

**Decision:** The document was **approved**.

**S6-211656 Pseudo-CR on new key issue for support of LCS QoS**

 *Type: pCR For: Approval
 23.700-96 v0.0.0
 Source: CATT*

**Abstract:**

This contribution proposes adding new key issue on support of LCS QoS.

**Decision:** The document was **revised to S6-211772**.

**S6-211772 Pseudo-CR on new key issue for support of LCS QoS**

 *Type: pCR For: Approval
 23.700-96 v0.0.0
 Source: CATT*

(Replaces S6-211656)

**Decision:** The document was **approved**.

### 10.8 FS\_eEDGEAPP - Study on enhanced Application Architecture for enabling Edge Applications

**S6-211651 Skeleton for TR 23.700-98**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

**Abstract:**

Skeleton for TR 23.700-98

**Decision:** The document was **revised to S6-211758**.

**S6-211758 Skeleton for TR 23.700-98**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

(Replaces S6-211651)

**Decision:** The document was **approved**.

**S6-211652 eEDGEAPP Introduction**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

**Abstract:**

The contribution provides text for eEDGEAPP introduction clauses.

**Decision:** The document was **revised to S6-211759**.

**S6-211759 eEDGEAPP Introduction**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

(Replaces S6-211652)

**Decision:** The document was **approved**.

**S6-211653 eEDGEAPP Scope**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

**Abstract:**

The contribution defines the scope of eEDGEAPP study.

**Decision:** The document was **revised to S6-211760**.

**S6-211760 eEDGEAPP Scope**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

(Replaces S6-211653)

**Decision:** The document was **approved**.

**S6-211564 New Key Issue – Enablement of Service APIs exposed by EAS**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: ETRI, Uangel*

**Abstract:**

This paper proposes to add a new key issue to study how to enable the use of service APIs exposed by EASs in FS\_eEDGEAPP.

**Decision:** The document was **revised to S6-211730**.

**S6-211730 New Key Issue – Enablement of Service APIs exposed by EAS**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: ETRI, Uangel*

(Replaces S6-211564)

**Decision:** The document was **postponed**.

**S6-211575 Key issue on supporting roaming UEs**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

**Abstract:**

The edge enabler layer architecture in Rel-17 needs to be enhanced to support emerging industry requirements (e.g. GSMA OPG requirements) on providing edge computing service to roaming UEs. To achieve this, the feasible roaming scenarios and architectural impact need to be studied and followed by new procedure and/or updates on the existing procedures specified in Rel-17.

This pCR provides a key issue on supporting roaming UEs.

**Decision:** The document was **revised to S6-211751**.

**S6-211751 Key issue on supporting roaming UEs**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

(Replaces S6-211575)

**Discussion:**

The draft S6-211751\_Rev1 was reviewed during the closing call.

Huawei suggested to further refine the key issue (roaming) and suggested to postpone the proposal.

**Decision:** The document was **postponed**.

**S6-211576 Key issue on edge computing service policy framework**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

**Abstract:**

This pCR provides a key issue on edge computing service policy framework.

**Decision:** The document was **revised to S6-211753**.

**S6-211753 Key issue on edge computing service policy framework**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

(Replaces S6-211576)

**Discussion:**

The contribution was discussed during the closing call.

Huawei had still concerns.

**Decision:** The document was **postponed**.

**S6-211577 Key issue on enhanced notification service to the EEC**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

**Abstract:**

This pCR provides a key issue on enhanced notification service to the EEC.

**Decision:** The document was **revised to S6-211754**.

**S6-211754 Key issue on enhanced notification service to the EEC**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

(Replaces S6-211577)

**Decision:** The document was **approved**.

**S6-211578 Key issue - enhancement of dynamic EAS instantiation**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

**Abstract:**

This pCR provides a key issue on enhancement of dynamic EAS instantiation.

**Decision:** The document was **revised to S6-211755**.

**S6-211755 Key issue - enhancement of dynamic EAS instantiation**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: Samsung*

(Replaces S6-211578)

**Discussion:**

The draft S6-211755\_Rev1 was reviewed during the closing call.

Huawei had a concern with the proposal.

**Decision:** The document was **postponed**.

## 11 Future work / New WIDs (including related contributions)

**S6-211674 Mapping between solutions and key issues in the new technical reports**

 *Type: discussion For: Discussion
 Source: Huawei, Hisilicon*

**Abstract:**

Discussion on Mapping between solutions and key issues in the new technical reports

**Discussion:**

Huawei presented the contribution during the opening call.

Discussion on the contribution continued during the closing call.

E.g. the approach of the table with the mapping of solutions against key issues created some discussion.

Motorola Solutions thought the closing call was not a good moment to discuss the approach or especially which solutions to include.

E.g. CATT and Intel indicated support for the approach.

Convida suggested using it case by case.

**Decision:** The document was **noted**.

**S6-211631 Study on Impact of ETSI MEC framework alignment on EDGEAPP Architecture**

 *Type: SID new For: Approval
 Source: Intel Technology India Pvt Ltd*

**Abstract:**

Harmonization of EDGEAPP and ETSI MEC architectures.

**Discussion:**

Intel presented the contribution during the opening call.

Discussion continued during the CC#7.

It was suggested this SID would be merged with eEDGEAPP.

Finally it was agreed to "revise" the current TDoc as it was a revision of the eEDGEAPP SID.

**Decision:** The document was **revised to S6-211747**.

**S6-211747 Study on Impact of ETSI MEC framework alignment on EDGEAPP Architecture**

 *Type: SID new For: Approval
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-211631)

**Discussion:**

The draft 1747\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211858**.

**S6-211858 Study on Impact of ETSI MEC framework alignment on EDGEAPP Architecture**

 *Type: SID new For: Approval
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-211747)

**Discussion:**

Agreed as per 1747\_Rev1 (+ CATT as co-signer).

**Decision:** The document was **agreed**.

**S6-211528 New SID on enhanced architecture for UAS applications**

 *Type: SID new For: Agreement
 Source: InterDigital*

**Abstract:**

New SID on enhanced architecture for UAS applications.

**Discussion:**

Interdigital presented the proposal for a new SID during CC#7.

**Decision:** The document was **revised to S6-211819**.

**S6-211819 New SID on enhanced architecture for UAS applications**

 *Type: SID new For: Agreement
 Source: InterDigital*

(Replaces S6-211528)

**Decision:** The document was **postponed**.

**S6-211526 Revised SID Study on Mission Critical services support over 5G System**

 *Type: SID revised For: Agreement
 Source: Netherlands Police*

**Decision:** The document was **postponed**.

**S6-211546 New WID for application layer support for FF**

 *Type: WID new For: Agreement
 Source: ZTE Corporation*

**Abstract:**

New WID for application layer support for Factories of the Future (FF).

**Discussion:**

The proposed WID was discussed during the CC#3.

Qualcomm did not see the rationale for SA6 to work on this topic at this stage, but suggested waiting for industry moving forward first. As otherwise SA6 would/could develop something that will never be used.

Lenovo did not agree with the view of Qualcomm.

Huawei noted that there was a problem that it was not clear from the architectural point of view, what functionality can be supported. However this detail could probably be improved.

Samsung did not quite understand what benefit waiting for e.g., 6 months would bring in term of visibility.

Discussion continued during CC#7.

**Decision:** The document was **revised to S6-211746**.

**S6-211746 FutureWork-New-WID-for-application-layer-support-for-FF**

 *Type: WID new For: Agreement
 Source: ZTE Corporation*

(Replaces S6-211546)

**Discussion:**

The draft 1746\_Rev1 was reviewed during the closing call.

**Decision:** The document was **revised to S6-211859**.

**S6-211859 FutureWork-New-WID-for-application-layer-support-for-FF**

 *Type: WID new For: Agreement
 Source: ZTE Corporation*

(Replaces S6-211746)

**Discussion:**

Agreed as per S6-211746\_Rev1.

**Decision:** The document was **agreed**.

**S6-211614 New WID on Mission Critical Services over 5MBS**

 *Type: WID new For: Approval
 Source: Union Inter. Chemins de Fer*

**Discussion:**

UIC presented the contribution during the opening call.

Motorola Solutions had some concern about going ahead agreeing the WID at this stage, and proposed to finalise the study first.

Discussion continued during the CC#7.

UIC proposed to postpone the proposal until the next meeting SA6#45.

**Decision:** The document was **revised to S6-211789**.

**S6-211789 New WID on Mission Critical Services over 5MBS**

 *Type: WID new For: Approval
 Source: Union Inter. Chemins de Fer*

(Replaces S6-211614)

**Decision:** The document was **agreed**.

**S6-211672 SEAL Data delivery enabler for Vertical applications**

 *Type: discussion For: Discussion
 Source: Huawei, Hisilicon*

**Abstract:**

Discussion on SEAL Data delivery enabler for Vertical applications

**Discussion:**

Huawei presented the contribution during the opening call.

**Decision:** The document was **noted**.

**S6-211673 New WID for study on SEAL data delivery enabler for vertical applications**

 *Type: WID new For: Agreement
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for New WID for study on SEAL data delivery enabler for vertical applications

**Discussion:**

The WID was discussed during the CC#7.

**Decision:** The document was **revised to S6-211804**.

**S6-211804 New WID for study on SEAL data delivery enabler for vertical applications**

 *Type: WID new For: Agreement
 Source: Huawei, Hisilicon*

(Replaces S6-211673)

**Discussion:**

The contribution was discussed during the closing call and it was concluded to postpone the contribution.

**Decision:** The document was **postponed**.

## 12 Work Plan review

**S6-211545 FS\_FFAPP-Presentation-of-TR-23745-to-TSG-SA for approval**

 *Type: TS or TR cover For: Agreement
 23.745 v1.6.0
 Source: ZTE Corporation*

**Decision:** The document was **agreed**.

**S6-211830 SA6#44-e Work Plan Review**

 *Type: discussion For: discussion
 Source: Chair*

**Discussion:**

The meeting discussed the status of ongoing work.

The result can be found in S6-211830.

**Decision:** The document was **noted**.

**S6-211847 Tracking list of ENs and open issues for MC over 5G MBS**

 *Type: discussion For: discussion
 Source: Huawei, Hisilicon*

**Discussion:**

Last minute document provided for information.

**Decision:** The document was **noted**.

## 13 Future meetings

## 14 AOB

## 15 Close of the meeting

Report prepared by: CR0081

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S6-211499 | SA6 Meeting 44-e Agenda | SA6 Chair | noted |  |  |
| S6-211500 | SA6 Meeting 43-e Report | MCC | approved |  |  |
| S6-211501 | SA6 Meeting #44-e - Agenda with Tdocs allocation after submission deadline | SA6 Chair | noted |  |  |
| S6-211502 | SA6 Meeting #44-e - Agenda with Tdocs allocation at start of the meeting | SA6 Chair | approved |  |  |
| S6-211503 | SA6 Meeting #44-e - Chair's notes at end of the meeting | SA6 Chair | noted |  |  |
| S6-211504 | Reply LS to SA4 on UE Data Collection | SA2 | noted |  |  |
| S6-211505 | Reply LS on Support of UAVs authentication/authorization in 3GPP systems and interfacing with USS/UTM | SA2 | noted |  |  |
| S6-211506 | Reply LS to GSMA-ACJA: 3GPP SA1 clarifications on problematic UAV | SA2 | noted |  |  |
| S6-211507 | Reply LS on work split for MBSF and MBSTF definition | SA2 | noted |  |  |
| S6-211508 | LS reply to SA on GSMA 3GPP Edge Computing coordination | SA2 | noted |  |  |
| S6-211509 | Reply LS to SA2 on UE Data Collection | SA4 | noted |  |  |
| S6-211510 | LS on 5G capabilities exposure for factories of the future | SA2 | noted |  |  |
| S6-211511 | Reply LS on Edge computing definition and integration | SA5 | noted |  |  |
| S6-211512 | Reply LS on EDGEAPP | SA5 | noted |  |  |
| S6-211513 | LS reply to SA on GSMA 3GPP Edge Computing coordination.doc | SA5 | noted |  |  |
| S6-211514 | Reply to Reply LS on RAT type for network monitoring | SA3 | noted |  |  |
| S6-211515 | Reply LS on IP address to GPSI translation | SA3 | noted |  |  |
| S6-211516 | Reply LS to GSMA Operator Platform Group on edge computing definition and integration | SA | noted |  |  |
| S6-211517 | LS on UAS terminology alignment | SA | noted |  |  |
| S6-211518 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | revised |  | S6-211712 |
| S6-211519 | Clarifications for Location management | BDBOS | agreed |  |  |
| S6-211520 | UE multicast MBS session leave aspects for group communications | Ericsson | revised |  | S6-211716 |
| S6-211521 | 5G MBS session release aspects for group communications | Ericsson | revised |  | S6-211717 |
| S6-211522 | 5G MBS session update aspects for group communications | Ericsson | revised |  | S6-211718 |
| S6-211523 | 5G MBS system architecture update in key issue #13 | Ericsson | revised |  | S6-211719 |
| S6-211524 | Update solution 10 on MBS session configuration and service announcement | Ericsson | revised |  | S6-211720 |
| S6-211525 | Update solution 9 on general use of 5G MBS services | Ericsson | revised |  | S6-211721 |
| S6-211526 | Revised SID Study on Mission Critical services support over 5G System | Netherlands Police | postponed |  |  |
| S6-211527 | Add some abbreviations | Huawei, Hisilicon | approved |  |  |
| S6-211528 | New SID on enhanced architecture for UAS applications | InterDigital | revised |  | S6-211819 |
| S6-211529 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | revised |  | S6-211591 |
| S6-211530 | add solution 2 & 11 into conclusion | ZTE Corporation | merged |  | S6-211670 |
| S6-211531 | FFAPP Evaluation of solutions for KI#1 | ZTE Corporation | revised |  | S6-211731 |
| S6-211532 | FFAPP Evaluation of solutions for KI#2 | ZTE Corporation | revised |  | S6-211732 |
| S6-211533 | FFAPP Evaluation of solutions for KI#3 | ZTE Corporation | revised |  | S6-211734 |
| S6-211534 | FFAPP Evaluation of solutions for KI#6 | ZTE Corporation | revised |  | S6-211735 |
| S6-211535 | FFAPP Evaluation of solutions for KI#7 | ZTE Corporation | revised |  | S6-211736 |
| S6-211536 | FFAPP Evaluation of solutions for KI#9 | ZTE Corporation | revised |  | S6-211737 |
| S6-211537 | FFAPP Evaluation of solutions for KI#10 | ZTE Corporation | revised |  | S6-211738 |
| S6-211538 | FFAPP Evaluation of solutions for KI#12 | ZTE Corporation | approved |  |  |
| S6-211539 | FFAPP Evaluation of solutions for KI#13 | ZTE Corporation | revised |  | S6-211739 |
| S6-211540 | FFAPP Evaluation of solutions and conclusion for KI#14 | ZTE Corporation | revised |  | S6-211740 |
| S6-211541 | FFAPP Evaluation of solutions for KI#15 | ZTE Corporation | revised |  | S6-211742 |
| S6-211542 | FFAPP Evaluation of solutions for KI#16 | ZTE Corporation | revised |  | S6-211743 |
| S6-211543 | FFAPP Evaluation of solutions for KI#17 | ZTE Corporation | revised |  | S6-211744 |
| S6-211544 | FFAPP Evaluation of solutions for KI#18 | ZTE Corporation | revised |  | S6-211745 |
| S6-211545 | FS\_FFAPP-Presentation-of-TR-23745-to-TSG-SA for approval | ZTE Corporation | agreed |  |  |
| S6-211546 | New WID for application layer support for FF | ZTE Corporation | revised |  | S6-211746 |
| S6-211547 | Various fixes for 23.282 | AT&T | Agreed |  |  |
| S6-211548 | Skeleton for TR 23.700-95 | NTT DOCOMO | approved |  |  |
| S6-211549 | Text proposal on scope | NTT DOCOMO | revised |  | S6-211820 |
| S6-211550 | Annex for SNA usage scenarios | NTT DOCOMO | revised |  | S6-211821 |
| S6-211551 | Key Issue - Introducing the UE-side entities in the CAPIF architecture | NTT DOCOMO | revised |  | S6-211822 |
| S6-211552 | Key Issue - Providing and revoking user consent upon invoking APIs | NTT DOCOMO | approved |  | S6-211823 |
| S6-211553 | Key Issue - API access control for UEs | NTT DOCOMO | revised |  | S6-211824 |
| S6-211554 | Key Issue - Authentication and authorisation of the resource owner and the triggering UE | NTT DOCOMO | revised |  | S6-211825 |
| S6-211555 | Key Issue - Preserving the confidentiality of the UE's identity | NTT DOCOMO | revised |  | S6-211826 |
| S6-211556 | Key Issue - Providing information to identify networks and APIs | NTT DOCOMO | merged |  | S6-211644 |
| S6-211557 | Key Issue - Enhancements in CAPIF functions for UE-specific services | NTT DOCOMO | merged |  | S6-211644 |
| S6-211558 | Key Issue - SEAL support for SNA | NTT DOCOMO | revised |  | S6-211827 |
| S6-211559 | Key Issue - EDGEAPP support for SNA | NTT DOCOMO | revised |  | S6-211828 |
| S6-211560 | 5G system capabilities for Factories of the Future application | China Mobile Com. Corporation | approved |  |  |
| S6-211561 | 5G system capabilities of messaging | China Mobile Com. Corporation | revised |  | S6-211762 |
| S6-211562 | Update of Factory of the Future use cases | China Mobile Com. Corporation | approved |  |  |
| S6-211563 | Update of reference | China Mobile Com. Corporation | approved |  |  |
| S6-211564 | New Key Issue – Enablement of Service APIs exposed by EAS | ETRI, Uangel | revised |  | S6-211730 |
| S6-211565 | Update for key Issue 10 Low latency and user/media plane capabilities | Kontron Transportation France, UIC | revised |  | S6-211750 |
| S6-211566 | Update for Solution 5 Flexible media distribution for low latency applications | Kontron Transportation France, UIC | revised |  | S6-211752 |
| S6-211567 | Resolve ENs about the number 65535 | Huawei, Hisilicon | revised |  | S6-211722 |
| S6-211568 | Correct errors on AS de-registration | Huawei, Hisilicon | revised |  | S6-211723 |
| S6-211569 | KI on SEAL Enhancement | China Mobile Com. Corporation | revised |  | S6-211763 |
| S6-211570 | Remove CB from legacy 3gpp message descriptions | Huawei, Hisilicon | revised |  | S6-211726 |
| S6-211571 | AS registration and de-registration procedure | Huawei, Hisilicon | revised |  | S6-211727 |
| S6-211572 | New KI on Network Slice selection policy of UE | China Mobile Com. Corporation | postponed |  |  |
| S6-211573 | Remove ENs with no actions | Huawei, Hisilicon | revised |  | S6-211724 |
| S6-211574 | Corrections on delivery report request related IEs | Huawei, Hisilicon | revised |  | S6-211725 |
| S6-211575 | Key issue on supporting roaming UEs | Samsung | revised |  | S6-211751 |
| S6-211576 | Key issue on edge computing service policy framework | Samsung | revised |  | S6-211753 |
| S6-211577 | Key issue on enhanced notification service to the EEC | Samsung | revised |  | S6-211754 |
| S6-211578 | Key issue - enhancement of dynamic EAS instantiation | Samsung | revised |  | S6-211755 |
| S6-211579 | Update on ECS Configuration Information | Samsung | Agreed |  |  |
| S6-211580 | Pseudo-CR on Modifications to clause 7.2 | one2many B.V. | revised |  | S6-211774 |
| S6-211581 | Pseudo-CR on Modifications to Registration Procedure | one2many B.V. | revised |  | S6-211775 |
| S6-211582 | Pseudo-CR on Changes to clause 8.3 | one2many B.V. | revised |  | S6-211776 |
| S6-211583 | Pseudo-CR on Corrections to clause 8.6.1 | one2many B.V. | revised |  | S6-211777 |
| S6-211584 | Pseudo-CR on Removal of MGW Service ID | one2many B.V. | postponed |  |  |
| S6-211585 | Pseudo-CR on Distribution of Group Message | one2many B.V. | postponed |  |  |
| S6-211586 | Pseudo-CR on Corrections and changes to clause 8.7.1 | one2many B.V. | revised |  | S6-211778 |
| S6-211587 | Pseudo-CR on Inter-PLMN message delivery | one2many B.V. | revised |  | S6-211780 |
| S6-211588 | Pseudo-CR on Change to Description of Group Service ID | one2many B.V. | postponed |  |  |
| S6-211589 | Pseudo-CR on Corrections to Reference Point descriptions | one2many B.V. | revised |  | S6-211779 |
| S6-211590 | Pseudo-CR on Modifications to Delivery based on Topic | one2many B.V. | revised |  | S6-211781 |
| S6-211591 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | revised | S6-211529 | S6-211711 |
| S6-211592 | Correction of typos | one2many B.V. | approved |  |  |
| S6-211593 | Removal of Editor's Note on ACR scenario co-existence and overlap | Apple | revised |  | S6-211710 |
| S6-211594 | Unicast QoS monitoring data retrieval | Ericsson | revised |  | S6-211793 |
| S6-211595 | Unified support for TSC/TSN services procedures | Ericsson | revised |  | S6-211799 |
| S6-211596 | Architectural requirements section update | Nokia, Nokia Shanghai Bell, UIC | approved |  |  |
| S6-211597 | Detailing functional entity descriptions | Nokia, Nokia Shanghai Bell, UIC | revised |  | S6-211748 |
| S6-211598 | Overall evaluation section update | Nokia, Nokia Shanghai Bell, UIC | approved |  |  |
| S6-211599 | Functional alias configuration data for migrated users | Nokia, Nokia Shanghai Bell, UIC | approved |  |  |
| S6-211600 | Information Flows for Migration during an ongoing Private Communication | Nokia, Nokia Shanghai Bell, UIC | revised |  | S6-211749 |
| S6-211601 | Evaluation text for the solution on using Functional Alias by migrated users | Nokia, Nokia Shanghai Bell, UIC | approved |  |  |
| S6-211602 | Evaluation text for the solution on Migration during ongoing Group Communications | Nokia, Nokia Shanghai Bell, UIC | approved |  |  |
| S6-211603 | Evaluation text for the solution on Migration during an ongoing Private Communication | Nokia, Nokia Shanghai Bell, UIC | approved |  |  |
| S6-211604 | Evaluation text for the Private Call Setup solution | Nokia, Nokia Shanghai Bell, UIC | approved |  |  |
| S6-211605 | Overall evaluation section update | Nokia, Nokia Shanghai Bell, UIC | approved |  |  |
| S6-211606 | Corrections for service continuity planning | Apple | revised |  | S6-211709 |
| S6-211607 | Scope of Study on Network Slice Capability Exposure for Application Layer Enablement | China Mobile Com. Corporation | revised |  | S6-211764 |
| S6-211608 | Clarification of MC gateway UE selection procedure | BDBOS | revised |  | S6-211773 |
| S6-211609 | New KI on Network slice related information exposure | China Mobile Com. Corporation | revised |  | S6-211765 |
| S6-211610 | Skeleton for FS-NSCALE | China Mobile Com. Corporation | revised |  | S6-211848 |
| S6-211611 | New KI on Application layer slice management capability exposure | China Mobile Com. Corporation | revised |  | S6-211766 |
| S6-211612 | Application layer support aspect requirements | China Mobile Com. Corporation | postponed |  |  |
| S6-211613 | Work plan and key issue Discussion on FS-NSCALE | China Mobile Com. Corporation | noted |  |  |
| S6-211614 | New WID on Mission Critical Services over 5MBS | Union Inter. Chemins de Fer | revised |  | S6-211789 |
| S6-211615 | Pseudo-CR on MC gateway UE and MC client IP address association | UIC, Nokia, Nokia Shanghai Bell | revised |  | S6-211790 |
| S6-211616 | Pseudo-CR on key issue on the use of 5QI for MCData | UIC, Nokia, Nokia Shanghai Bell | revised |  | S6-211791 |
| S6-211617 | Correct service provisioning overview | Ericsson | revised |  | S6-211794 |
| S6-211618 | EDGE-3 Context Transfer | Ericsson | revised |  | S6-211795 |
| S6-211619 | Solve EN for E1 traffic monitoring | Ericsson | revised |  | S6-211796 |
| S6-211620 | Solve EN for scenario#5 | Ericsson | Agreed |  |  |
| S6-211621 | Pseudo-CR on minor editorials | Samsung | approved |  |  |
| S6-211622 | Improved Event Monitoring Service | Ericsson | revised |  | S6-211797 |
| S6-211623 | LS on new SID on Application Capability Exposure for IoT Platforms | Qualcomm Incorporated | postponed |  |  |
| S6-211624 | Pseudo-CR on adding solution evaluation description in section 7.6.4 | Samsung, Nokia, Nokia Shanghai Bell | approved |  |  |
| S6-211625 | Utilize NEF location service for SEAL LM | Ericsson, ZTE | revised |  | S6-211798 |
| S6-211626 | Pseudo-CR on supporting MBMS bearer for MC Service clients residing on non- 3GPP device | Samsung, Nokia, Nokia Shanghai Bell, BDBOS, FirstNet | revised |  | S6-211733 |
| S6-211627 | Pseudo-CR on Architectural requirements | China Mobile Com. Corporation | revised |  | S6-211741 |
| S6-211628 | remove EN in clause 1 | China Mobile Com. Corporation | approved |  |  |
| S6-211629 | remove EN in clause 8.1 | China Mobile Com. Corporation | approved |  |  |
| S6-211630 | Bearer pre-emption rate limit issue for GBR bearer establishment in MC systems | Motorola Solutions Germany | revised |  | S6-211829 |
| S6-211631 | Study on Impact of ETSI MEC framework alignment on EDGEAPP Architecture | Intel Technology India Pvt Ltd | revised |  | S6-211747 |
| S6-211632 | Pseudo-CR on FS\_5GFLS scope | CATT | revised |  | S6-211792 |
| S6-211633 | FS\_5GFLS TR skeleton coversheet | CATT | revised |  | S6-211767 |
| S6-211634 | Pseudo-CR on architectural assumptions | CATT | revised |  | S6-211768 |
| S6-211635 | Pseudo-CR on definitions and abbreviations | CATT | revised |  | S6-211769 |
| S6-211636 | Enable VAL server for P2P media parameter negotiation. | Tencent | postponed |  |  |
| S6-211637 | Pseudo-CR on group notification to Message Gateway | Samsung | revised |  | S6-211783 |
| S6-211638 | Pseudo-CR on MSGin5G Server Routing | AT&T GNS Belgium SPRL | revised |  | S6-211729 |
| S6-211639 | Pseudo-CR on usage of SEAL group management | Samsung | revised |  | S6-211784 |
| S6-211640 | Pseudo-CR on Constrained devices support | Samsung | revised |  | S6-211785 |
| S6-211641 | Updates to Location based Group | Samsung | revised |  | S6-211786 |
| S6-211642 | Event monitoring clause corrections | Samsung | merged |  | S6-211689 |
| S6-211643 | Location deviation clause corrections | Samsung | merged |  | S6-211689 |
| S6-211644 | Pseudo-CR on New Key Issue on discovery of target API | Samsung | revised |  | S6-211787 |
| S6-211645 | Pseudo-CR on New Key Issue on detection of subscriber centric API | Samsung | revised |  | S6-211788 |
| S6-211646 | EEC context relocation | Samsung, Convida | revised |  | S6-211756 |
| S6-211647 | EAS DNAIs | Samsung | Agreed |  |  |
| S6-211648 | Correction to ACR request and response | Samsung | Agreed |  |  |
| S6-211649 | Reference corrections | Samsung | revised |  | S6-211757 |
| S6-211650 | Reference updates | Samsung | agreed |  |  |
| S6-211651 | Skeleton for TR 23.700-98 | Samsung | revised |  | S6-211758 |
| S6-211652 | eEDGEAPP Introduction | Samsung | revised |  | S6-211759 |
| S6-211653 | eEDGEAPP Scope | Samsung | revised |  | S6-211760 |
| S6-211654 | Clarifications for RAT Type usage in network monitoring procedure | CATT | revised |  | S6-211770 |
| S6-211655 | Pseudo-CR on new key issue for architecture enhancement | CATT | revised |  | S6-211771 |
| S6-211656 | Pseudo-CR on new key issue for support of LCS QoS | CATT | revised |  | S6-211772 |
| S6-211657 | Group management in 5GMARCH | Huawei, Hisilicon | noted |  |  |
| S6-211658 | ACR information notification method | Huawei, Hisilicon | postponed |  |  |
| S6-211659 | Adding AC provider ID in AC profile | Huawei, Hisilicon | postponed |  |  |
| S6-211660 | Coordination for the relocation of EEC context and application context | Huawei, Hisilicon | revised |  | S6-211800 |
| S6-211661 | Correction to scenario in clause 8.8.2.6 considering service continuity planning | Huawei, Hisilicon | postponed |  |  |
| S6-211662 | Correction to the service provisioning procedure | Huawei, Hisilicon | revised |  | S6-211801 |
| S6-211663 | Correction for EES determination at ECS and EEC | Huawei, Hisilicon | postponed |  |  |
| S6-211664 | Remove EN on automated ACR service message | Huawei, Hisilicon | agreed |  |  |
| S6-211665 | Remove the EAS status of EAS discovery filter | Huawei, Hisilicon | agreed |  |  |
| S6-211666 | Resolving the failure of ACR | Huawei, Hisilicon | postponed |  |  |
| S6-211667 | Addition of a prediction expiration time IE to resolve the editor’s note on service continuity planning | Huawei, Hisilicon | revised |  | S6-211802 |
| S6-211668 | Resolving the Editor’s Note on the architecture in clause 6.2 | Huawei, Hisilicon | postponed |  |  |
| S6-211669 | Resolving EN about Automated ACR terminology | Huawei, Hisilicon | Agreed |  |  |
| S6-211670 | Conclusion for solution#2 and solution#11 | Huawei, Hisilicon | revised |  | S6-211803 |
| S6-211671 | Remove duplicate conclusions | Huawei, Hisilicon | merged |  | S6-211540 |
| S6-211672 | SEAL Data delivery enabler for Vertical applications | Huawei, Hisilicon | noted |  |  |
| S6-211673 | New WID for study on SEAL data delivery enabler for vertical applications | Huawei, Hisilicon | revised |  | S6-211804 |
| S6-211674 | Mapping between solutions and key issues in the new technical reports | Huawei, Hisilicon | noted |  |  |
| S6-211675 | Resolve EN on MBS session QoS update | Huawei, Hisilicon | revised |  | S6-211805 |
| S6-211676 | Service announcement alignment with TS 23.247 | Huawei, Hisilicon | revised |  | S6-211806 |
| S6-211677 | Clarification and usage of MapGroupToMBSsession | Huawei, Hisilicon | revised |  | S6-211807 |
| S6-211678 | Supporting of local MBS features | Huawei, Hisilicon | revised |  | S6-211808 |
| S6-211679 | Corrections to the solution#19 title | Huawei, Hisilicon | approved |  |  |
| S6-211680 | Clarification on the MBS listening status report | Huawei, Hisilicon | revised |  | S6-211809 |
| S6-211681 | Overall evaluations for MBS solutions | Huawei, Hisilicon | revised |  | S6-211810 |
| S6-211682 | Conclusions for MBS solutions | Huawei, Hisilicon | revised |  | S6-211811 |
| S6-211683 | KI #13 update with Service continuity between 4G eMBMS and 5G MBS | Huawei, Hisilicon | approved |  |  |
| S6-211684 | Solution to service continuity between 4G eMBMS and 5G MBS | Huawei, Hisilicon | revised |  | S6-211812 |
| S6-211685 | New KI on MC service over 5G Prose | Huawei, Hisilicon | approved |  |  |
| S6-211686 | Solution to KI on MC service over 5G ProSe | Huawei, Hisilicon | approved |  |  |
| S6-211687 | Way forward proposal for temporary group call and pre-configured regroup | Huawei, Hisilicon | noted |  |  |
| S6-211688 | Update to the temporary group call regrouping procedures | Huawei, Hisilicon | revised |  | S6-211813 |
| S6-211689 | Correction to SEAL references | Huawei, Hisilicon | revised |  | S6-211814 |
| S6-211690 | Terminology alignment to use uncrewed | Huawei, Hisilicon | revised |  | S6-211815 |
| S6-211691 | Alignment with 5GC architecture | Huawei, Hisilicon | revised |  | S6-211816 |
| S6-211692 | Resolve EN about Geographical Area | Huawei, Hisilicon | revised |  | S6-211817 |
| S6-211693 | Alignment with SEAL identity management | Huawei, Hisilicon | agreed |  |  |
| S6-211694 | Alignment with SEAL key management | Huawei, Hisilicon | agreed |  |  |
| S6-211695 | Corrections to HDMap procedures | Huawei, Hisilicon | revised |  | S6-211818 |
| S6-211696 | MSGin5G Server Function | AT&T GNS Belgium SPRL | postponed |  |  |
| S6-211697 | Corrections to Location Information table in 10.9.2.3 | AT&T GNS Belgium SPRL | revised |  | S6-211728 |
| S6-211698 | Alignment of text in clause 7.4.2.3 | InterDigital | agreed |  |  |
| S6-211699 | Key Issue on management service exposure requirement for SEAL | Lenovo, Motorola Mobility | merged |  | S6-211569 |
| S6-211700 | Key Issue on discovery & registration aspects for management service exposure | Lenovo, Motorola Mobility | revised |  | S6-211782 |
| S6-211701 | Device Triggering ENs | Convida Wireless LLC | revised |  | S6-211713 |
| S6-211702 | TR 23.700-97 FS\_ACE\_IoT skeleton | Convida Wireless | approved |  |  |
| S6-211703 | TR 23.700-97 FS\_ACE\_IoT scope | Convida Wireless LLC | approved |  |  |
| S6-211704 | Background Data Transfer negotiation KI | Convida Wireless LLC | revised |  | S6-211714 |
| S6-211705 | IoT Platform monitoring service KI | Convida Wireless LLC | postponed |  |  |
| S6-211706 | Removal of temporary regroup procedures | Motorola Solutions Germany | revised |  | S6-211761 |
| S6-211707 | LS on MSGin5G store and forward clarifications | Convida Wireless LLC | revised |  | S6-211715 |
| S6-211708 | 5GMARCH – Open Issues | Samsung | noted | - | - |
| S6-211709 | Corrections for service continuity planning | Apple | revised | S6-211606 | S6-211835 |
| S6-211710 | Removal of Editor's Note on ACR scenario co-existence and overlap | Apple | postponed | S6-211593 | - |
| S6-211711 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | revised | S6-211591 | S6-211832 |
| S6-211712 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | revised | S6-211518 | S6-211833 |
| S6-211713 | Device Triggering ENs | Convida Wireless LLC | approved | S6-211701 | - |
| S6-211714 | Background Data Transfer negotiation KI | Convida Wireless LLC | revised | S6-211704 | S6-211857 |
| S6-211715 | LS on MSGin5G store and forward clarifications | Convida Wireless LLC | revised | S6-211707 | S6-211831 |
| S6-211716 | UE multicast MBS session leave aspects for group communications | Ericsson | approved | S6-211520 | - |
| S6-211717 | 5G MBS session release aspects for group communications | Ericsson | approved | S6-211521 | - |
| S6-211718 | 5G MBS session update aspects for group communications | Ericsson | approved | S6-211522 | - |
| S6-211719 | 5G MBS system architecture update in key issue #13 | Ericsson | approved | S6-211523 | - |
| S6-211720 | Update solution 10 on MBS session configuration and service announcement | Ericsson | approved | S6-211524 | - |
| S6-211721 | Update solution 9 on general use of 5G MBS services | Ericsson | approved | S6-211525 | - |
| S6-211722 | Resolve ENs about the number 65535 | Huawei, Hisilicon | approved | S6-211567 | - |
| S6-211723 | Correct errors on AS de-registration | Huawei, Hisilicon | approved | S6-211568 | - |
| S6-211724 | Remove ENs with no actions | Huawei, Hisilicon | approved | S6-211573 | - |
| S6-211725 | Corrections on delivery report request related IEs | Huawei, Hisilicon | revised | S6-211574 | S6-211841 |
| S6-211726 | Remove CB from legacy 3gpp message descriptions | Huawei, Hisilicon | approved | S6-211570 | - |
| S6-211727 | AS registration and de-registration procedure | Huawei, Hisilicon | approved | S6-211571 | - |
| S6-211728 | Corrections to Location Information table in 10.9.2.3 | AT&T GNS Belgium SPRL | Agreed | S6-211697 | - |
| S6-211729 | Pseudo-CR on MSGin5G Server Routing | AT&T GNS Belgium SPRL | postponed | S6-211638 | - |
| S6-211730 | New Key Issue – Enablement of Service APIs exposed by EAS | ETRI, Uangel | postponed | S6-211564 | - |
| S6-211731 | FFAPP Evaluation of solutions for KI#1 | ZTE Corporation | approved | S6-211531 | - |
| S6-211732 | FFAPP Evaluation of solutions for KI#2 | ZTE Corporation | approved | S6-211532 | - |
| S6-211733 | Pseudo-CR on supporting MBMS bearer for MC Service clients residing on non- 3GPP device | Samsung, Nokia, Nokia Shanghai Bell, BDBOS, FirstNet | approved | S6-211626 | - |
| S6-211734 | FFAPP Evaluation of solutions for KI#3 | ZTE Corporation | approved | S6-211533 | - |
| S6-211735 | FFAPP Evaluation of solutions for KI#6 | ZTE Corporation | approved | S6-211534 | - |
| S6-211736 | FFAPP Evaluation of solutions for KI#7 | ZTE Corporation | approved | S6-211535 | - |
| S6-211737 | FFAPP Evaluation of solutions for KI#9 | ZTE Corporation | approved | S6-211536 | - |
| S6-211738 | FFAPP Evaluation of solutions for KI#10 | ZTE Corporation | approved | S6-211537 | - |
| S6-211739 | FFAPP Evaluation of solutions for KI#13 | ZTE Corporation | approved | S6-211539 | - |
| S6-211740 | FFAPP Evaluation of solutions and conclusion for KI#14 | ZTE Corporation, Huawei | approved | S6-211540 | - |
| S6-211741 | Pseudo-CR on Architectural requirements | China Mobile Com. Corporation | revised | S6-211627 | S6-211842 |
| S6-211742 | FFAPP Evaluation of solutions for KI#15 | ZTE Corporation | approved | S6-211541 | - |
| S6-211743 | FFAPP Evaluation of solutions for KI#16 | ZTE Corporation | approved | S6-211542 | - |
| S6-211744 | FFAPP Evaluation of solutions for KI#17 | ZTE Corporation | approved | S6-211543 | - |
| S6-211745 | FFAPP Evaluation of solutions for KI#18 | ZTE Corporation | approved | S6-211544 | - |
| S6-211746 | FutureWork-New-WID-for-application-layer-support-for-FF | ZTE Corporation | revised | S6-211546 | S6-211859 |
| S6-211747 | Study on Impact of ETSI MEC framework alignment on EDGEAPP Architecture | Intel Technology India Pvt Ltd | revised | S6-211631 | S6-211858 |
| S6-211748 | Detailing functional entity descriptions | Nokia, Nokia Shanghai Bell, UIC | approved | S6-211597 | - |
| S6-211749 | Information Flows for Migration during an ongoing Private Communication | Nokia, Nokia Shanghai Bell, UIC | approved | S6-211600 | - |
| S6-211750 | Update for key Issue 10 Low latency and user/media plane capabilities | Kontron Transportation France, UIC | approved | S6-211565 | - |
| S6-211751 | Key issue on supporting roaming UEs | Samsung | postponed | S6-211575 | - |
| S6-211752 | Update for Solution 5 Flexible media distribution for low latency applications | Kontron Transportation France, UIC | revised | S6-211566 | S6-211845 |
| S6-211753 | Key issue on edge computing service policy framework | Samsung | postponed | S6-211576 | - |
| S6-211754 | Key issue on enhanced notification service to the EEC | Samsung | approved | S6-211577 | - |
| S6-211755 | Key issue - enhancement of dynamic EAS instantiation | Samsung | postponed | S6-211578 | - |
| S6-211756 | EEC context relocation | Samsung, Convida | revised | S6-211646 | S6-211836 |
| S6-211757 | Reference corrections | Samsung | agreed | S6-211649 | - |
| S6-211758 | Skeleton for TR 23.700-98 | Samsung | approved | S6-211651 | - |
| S6-211759 | eEDGEAPP Introduction | Samsung | approved | S6-211652 | - |
| S6-211760 | eEDGEAPP Scope | Samsung | approved | S6-211653 | - |
| S6-211761 | Removal of temporary regroup procedures | Motorola Solutions Germany | endorsed | S6-211706 | - |
| S6-211762 | 5G system capabilities of messaging | China Mobile Com. Corporation | approved | S6-211561 | - |
| S6-211763 | KI on SEAL Enhancement | China Mobile Com. Corporation, Lenovo, Motorola Mobility | revised | S6-211569 | S6-211851 |
| S6-211764 | Scope of Study on Network Slice Capability Exposure for Application Layer Enablement | China Mobile Com. Corporation | revised | S6-211607 | S6-211849 |
| S6-211765 | New KI on Network slice related information exposure | China Mobile Com. Corporation | postponed | S6-211609 | - |
| S6-211766 | New KI on Application layer slice management capability exposure | China Mobile Com. Corporation | revised | S6-211611 | S6-211850 |
| S6-211767 | FS\_5GFLS TR skeleton coversheet | CATT | approved | S6-211633 | - |
| S6-211768 | Pseudo-CR on architectural assumptions | CATT | approved | S6-211634 | - |
| S6-211769 | Pseudo-CR on definitions and abbreviations | CATT | approved | S6-211635 | - |
| S6-211770 | Clarifications for RAT Type usage in network monitoring procedure | CATT | revised | S6-211654 | S6-211837 |
| S6-211771 | Pseudo-CR on new key issue for architecture enhancement | CATT | approved | S6-211655 | - |
| S6-211772 | Pseudo-CR on new key issue for support of LCS QoS | CATT | approved | S6-211656 | - |
| S6-211773 | Clarification of MC gateway UE selection procedure | BDBOS | approved | S6-211608 | - |
| S6-211774 | Pseudo-CR on Modifications to clause 7.2 | one2many B.V. | approved | S6-211580 | - |
| S6-211775 | Pseudo-CR on Modifications to Registration Procedure | one2many B.V. | approved | S6-211581 | - |
| S6-211776 | Pseudo-CR on Changes to clause 8.3 | one2many B.V. | approved | S6-211582 | - |
| S6-211777 | Pseudo-CR on Corrections to clause 8.6.1 | one2many B.V. | approved | S6-211583 | - |
| S6-211778 | Pseudo-CR on Corrections and changes to clause 8.7.1 | one2many B.V. | postponed | S6-211586 | - |
| S6-211779 | Pseudo-CR on Corrections to Reference Point descriptions | one2many B.V. | approved | S6-211589 | - |
| S6-211780 | Pseudo-CR on Inter-PLMN message delivery | one2many B.V. | approved | S6-211587 | - |
| S6-211781 | Pseudo-CR on Modifications to Delivery based on Topic | one2many B.V. | approved | S6-211590 | - |
| S6-211782 | Key Issue on discovery & registration aspects for management service exposure | Lenovo, Motorola Mobility | approved | S6-211700 | - |
| S6-211783 | Pseudo-CR on group notification to Message Gateway | Samsung | postponed | S6-211637 | - |
| S6-211784 | Pseudo-CR on usage of SEAL group management | Samsung | revised | S6-211639 | S6-211843 |
| S6-211785 | Pseudo-CR on Constrained devices support | Samsung | revised | S6-211640 | S6-211844 |
| S6-211786 | Updates to Location based Group | Samsung | revised | S6-211641 | S6-211839 |
| S6-211787 | Pseudo-CR on New Key Issue on discovery of target API | Samsung, NTT DOCOMO | revised | S6-211644 | S6-211856 |
| S6-211788 | Pseudo-CR on New Key Issue on detection of subscriber centric API | Samsung | postponed | S6-211645 | - |
| S6-211789 | New WID on Mission Critical Services over 5MBS | Union Inter. Chemins de Fer | agreed | S6-211614 | - |
| S6-211790 | Pseudo-CR on MC gateway UE and MC client IP address association | UIC, Nokia, Nokia Shanghai Bell | approved | S6-211615 | - |
| S6-211791 | Pseudo-CR on key issue on the use of 5QI for MCData | UIC, Nokia, Nokia Shanghai Bell | approved | S6-211616 | - |
| S6-211792 | Pseudo-CR on FS\_5GFLS scope | CATT | approved | S6-211632 | - |
| S6-211793 | Unicast QoS monitoring data retrieval | Ericsson | postponed | S6-211594 | - |
| S6-211794 | Correct service provisioning overview | Ericsson | Agreed | S6-211617 | - |
| S6-211795 | EDGE-3 Context Transfer | Ericsson | merged | S6-211618 | S6-211836 |
| S6-211796 | Solve EN for E1 traffic monitoring | Ericsson | revised | S6-211619 | S6-211834 |
| S6-211797 | Improved Event Monitoring Service | Ericsson | revised | S6-211622 | S6-211840 |
| S6-211798 | Utilize NEF location service for SEAL LM | Ericsson, ZTE, Deutsche Telekom, Kyonggi University | revised | S6-211625 | S6-211838 |
| S6-211799 | Unified support for TSC/TSN services procedures | Ericsson | postponed | S6-211595 | - |
| S6-211800 | Coordination for the relocation of EEC context and application context | Huawei, Hisilicon | merged | S6-211660 | S6-211836 |
| S6-211801 | Correction to the service provisioning procedure | Huawei, Hisilicon | agreed | S6-211662 | - |
| S6-211802 | Addition of a prediction expiration time IE to resolve the editor’s note on service continuity planning | Huawei, Hisilicon | postponed | S6-211667 | - |
| S6-211803 | Conclusion for solution#2 and solution#11 | Huawei, Hisilicon, ZTE | approved | S6-211670 | - |
| S6-211804 | New WID for study on SEAL data delivery enabler for vertical applications | Huawei, Hisilicon | postponed | S6-211673 | - |
| S6-211805 | Resolve EN on MBS session QoS update | Huawei, Hisilicon | approved | S6-211675 | - |
| S6-211806 | Service announcement alignment with TS 23.247 | Huawei, Hisilicon | approved | S6-211676 | - |
| S6-211807 | Clarification and usage of MapGroupToMBSsession | Huawei, Hisilicon | approved | S6-211677 | - |
| S6-211808 | Supporting of local MBS features | Huawei, Hisilicon | postponed | S6-211678 | - |
| S6-211809 | Clarification on the MBS listening status report | Huawei, Hisilicon | approved | S6-211680 | - |
| S6-211810 | Overall evaluations for MBS solutions | Huawei, Hisilicon | revised | S6-211681 | S6-211846 |
| S6-211811 | Conclusions for MBS solutions | Huawei, Hisilicon | postponed | S6-211682 | - |
| S6-211812 | Solution to service continuity between 4G eMBMS and 5G MBS | Huawei, Hisilicon | postponed | S6-211684 | - |
| S6-211813 | Update to the temporary group call regrouping procedures | Huawei, Hisilicon | revised | S6-211688 | S6-211860 |
| S6-211814 | Correction to SEAL references | Huawei, Hisilicon, Samsung | agreed | S6-211689 | - |
| S6-211815 | Terminology alignment to use uncrewed | Huawei, Hisilicon | agreed | S6-211690 | - |
| S6-211816 | Alignment with 5GC architecture | Huawei, Hisilicon | Agreed | S6-211691 | - |
| S6-211817 | Resolve EN about Geographical Area | Huawei, Hisilicon | Agreed | S6-211692 | - |
| S6-211818 | Corrections to HDMap procedures | Huawei, Hisilicon | agreed | S6-211695 | - |
| S6-211819 | New SID on enhanced architecture for UAS applications | InterDigital | postponed | S6-211528 | - |
| S6-211820 | Text proposal on scope | NTT DOCOMO | revised | S6-211549 | S6-211852 |
| S6-211821 | Annex for SNA usage scenarios | NTT DOCOMO | approved | S6-211550 | - |
| S6-211822 | Key Issue - Introducing the UE-side entities in the CAPIF architecture | NTT DOCOMO | revised | S6-211551 | S6-211853 |
| S6-211823 | Key Issue - Providing and revoking user consent upon invoking APIs | NTT DOCOMO | revised | S6-211552 | S6-211854 |
| S6-211824 | Key Issue - API access control for UEs | NTT DOCOMO | postponed | S6-211553 | - |
| S6-211825 | Key Issue - Authentication and authorisation of the resource owner and the triggering UE | NTT DOCOMO | postponed | S6-211554 | - |
| S6-211826 | Key Issue - Preserving the confidentiality of the UE's identity | NTT DOCOMO | revised | S6-211555 | S6-211855 |
| S6-211827 | Key Issue - SEAL support for SNA | NTT DOCOMO | postponed | S6-211558 | - |
| S6-211828 | Key Issue - EDGEAPP support for SNA | NTT DOCOMO | postponed | S6-211559 | - |
| S6-211829 | LS on Bearer pre-emption rate limit issue for GBR bearer establishment in MC systems | SA6 | approved | S6-211630 | - |
| S6-211830 | SA6#44-e Work Plan Review | Chair | noted | - | - |
| S6-211831 | LS on MSGin5G store-and-forward clarifications | SA6 | approved | S6-211715 | - |
| S6-211832 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | agreed | S6-211711 | - |
| S6-211833 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | agreed | S6-211712 | - |
| S6-211834 | Solve EN for E1 traffic monitoring | Ericsson | agreed | S6-211796 | - |
| S6-211835 | Corrections for service continuity planning | Apple | agreed | S6-211709 | - |
| S6-211836 | EEC context relocation | Samsung, Convida, Huawei, Ericsson | agreed | S6-211756 | - |
| S6-211837 | Clarifications for RAT Type usage in network monitoring procedure | CATT | agreed | S6-211770 | - |
| S6-211838 | Utilize NEF location service for SEAL LM | Ericsson, ZTE, Deutsche Telekom, Kyonggi University | agreed | S6-211798 | - |
| S6-211839 | Updates to Location based Group | Samsung | agreed | S6-211786 | - |
| S6-211840 | Improved Event Monitoring Service | Ericsson | agreed | S6-211797 | - |
| S6-211841 | Corrections on delivery report request related IEs | Huawei, Hisilicon | approved | S6-211725 | - |
| S6-211842 | Pseudo-CR on Architectural requirements | China Mobile Com. Corporation | approved | S6-211741 | - |
| S6-211843 | Pseudo-CR on usage of SEAL group management | Samsung | approved | S6-211784 | - |
| S6-211844 | Pseudo-CR on Constrained devices support | Samsung | approved | S6-211785 | - |
| S6-211845 | Update for Solution 5 Flexible media distribution for low latency applications | Kontron Transportation France, UIC | approved | S6-211752 | - |
| S6-211846 | Overall evaluations for MBS solutions | Huawei, Hisilicon | approved | S6-211810 | - |
| S6-211847 | Tracking list of ENs and open issues for MC over 5G MBS | Huawei, Hisilicon | noted | - | - |
| S6-211848 | Skeleton for FS-NSCALE | China Mobile Com. Corporation | approved | S6-211610 | - |
| S6-211849 | Scope of Study on Network Slice Capability Exposure for Application Layer Enablement | China Mobile, Huawei | approved | S6-211764 | - |
| S6-211850 | New KI on Application layer slice management capability exposure | China Mobile Com. Corporation, Huawei | approved | S6-211766 | - |
| S6-211851 | KI on SEAL Enhancement | China Mobile, Lenovo, Motorola Mobility, Huawei | approved | S6-211763 | - |
| S6-211852 | Text proposal on scope | NTT DOCOMO | approved | S6-211820 | - |
| S6-211853 | Key Issue - Introducing the UE-side entities in the CAPIF architecture | NTT DOCOMO | approved | S6-211822 | - |
| S6-211854 | Key Issue - Providing and revoking user consent upon invoking APIs | NTT DOCOMO | approved | S6-211823 | - |
| S6-211855 | Key Issue - Preserving the confidentiality of the UE's identity | NTT DOCOMO | approved | S6-211826 | - |
| S6-211856 | Pseudo-CR on New Key Issue on discovery of target API | Samsung, NTT DOCOMO | approved | S6-211787 | - |
| S6-211857 | Background Data Transfer negotiation KI | Convida Wireless LLC | approved | S6-211714 | - |
| S6-211858 | Study on Impact of ETSI MEC framework alignment on EDGEAPP Architecture | Intel Technology India Pvt Ltd | agreed | S6-211747 | - |
| S6-211859 | FutureWork-New-WID-for-application-layer-support-for-FF | ZTE Corporation | agreed | S6-211746 | - |
| S6-211860 | Update to the temporary group call regrouping procedures | Huawei, Hisilicon | endorsed | S6-211813 | - |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S6-211642 | Event monitoring clause corrections | Samsung | 23.255 | 0001 | - | Rel-17 | F | UASAPP | merged |
| S6-211643 | Location deviation clause corrections | Samsung | 23.255 | 0002 | - | Rel-17 | F | UASAPP | merged |
| S6-211689 | Correction to SEAL references | Huawei, Hisilicon | 23.255 | 0003 | - | Rel-17 | F | UASAPP | revised |
| S6-211814 | Correction to SEAL references | Huawei, Hisilicon, Samsung | 23.255 | 0003 | 1 | Rel-17 | F | UASAPP | agreed |
| S6-211690 | Terminology alignment to use uncrewed | Huawei, Hisilicon | 23.255 | 0004 | - | Rel-17 | F | UASAPP | revised |
| S6-211815 | Terminology alignment to use uncrewed | Huawei, Hisilicon | 23.255 | 0004 | 1 | Rel-17 | F | UASAPP | agreed |
| S6-211691 | Alignment with 5GC architecture | Huawei, Hisilicon | 23.255 | 0005 | - | Rel-17 | F | UASAPP | revised |
| S6-211816 | Alignment with 5GC architecture | Huawei, Hisilicon | 23.255 | 0005 | 1 | Rel-17 | F | UASAPP | Agreed |
| S6-211692 | Resolve EN about Geographical Area | Huawei, Hisilicon | 23.255 | 0006 | - | Rel-17 | F | UASAPP | revised |
| S6-211817 | Resolve EN about Geographical Area | Huawei, Hisilicon | 23.255 | 0006 | 1 | Rel-17 | F | UASAPP | Agreed |
| S6-211698 | Alignment of text in clause 7.4.2.3 | InterDigital | 23.255 | 0007 | - | Rel-17 | F | UASAPP | agreed |
| S6-211518 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | 23.280 | 0292 | - | Rel-17 | F | enh3MCPTT | revised |
| S6-211712 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | 23.280 | 0292 | 1 | Rel-17 | F | enh3MCPTT | revised |
| S6-211833 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | 23.280 | 0292 | 2 | Rel-17 | F | enh3MCPTT | agreed |
| S6-211519 | Clarifications for Location management | BDBOS | 23.280 | 0293 | - | Rel-17 | F | enh3MCPTT | agreed |
| S6-211529 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | 23.280 | 0294 | - | Rel-16 | F | enh3MCPTT | revised |
| S6-211591 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | 23.280 | 0294 | 1 | Rel-16 | F | enh3MCPTT | revised |
| S6-211711 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | 23.280 | 0294 | 2 | Rel-16 | F | enh3MCPTT | revised |
| S6-211832 | Clarification of MC service server retry for dedicated bearer request | HOME OFFICE | 23.280 | 0294 | 3 | Rel-16 | F | enh3MCPTT | agreed |
| S6-211697 | Corrections to Location Information table in 10.9.2.3 | AT&T GNS Belgium SPRL | 23.280 | 0295 | - | Rel-17 | F | enh3MCPTT | revised |
| S6-211728 | Corrections to Location Information table in 10.9.2.3 | AT&T GNS Belgium SPRL | 23.280 | 0295 | 1 | Rel-17 | F | enh3MCPTT | Agreed |
| S6-211547 | Various fixes for 23.282 | AT&T | 23.282 | 0281 | - | Rel-17 | F | eMCData3 | Agreed |
| S6-211654 | Clarifications for RAT Type usage in network monitoring procedure | CATT | 23.286 | 0066 | - | Rel-17 | F | eV2XAPP | revised |
| S6-211770 | Clarifications for RAT Type usage in network monitoring procedure | CATT | 23.286 | 0066 | 1 | Rel-17 | F | eV2XAPP | revised |
| S6-211837 | Clarifications for RAT Type usage in network monitoring procedure | CATT | 23.286 | 0066 | 2 | Rel-17 | F | eV2XAPP | agreed |
| S6-211693 | Alignment with SEAL identity management | Huawei, Hisilicon | 23.286 | 0067 | - | Rel-17 | F | eV2XAPP | agreed |
| S6-211694 | Alignment with SEAL key management | Huawei, Hisilicon | 23.286 | 0068 | - | Rel-17 | F | eV2XAPP | agreed |
| S6-211695 | Corrections to HDMap procedures | Huawei, Hisilicon | 23.286 | 0069 | - | Rel-17 | F | eV2XAPP | revised |
| S6-211818 | Corrections to HDMap procedures | Huawei, Hisilicon | 23.286 | 0069 | 1 | Rel-17 | F | eV2XAPP | agreed |
| S6-211688 | Update to the temporary group call regrouping procedures | Huawei, Hisilicon | 23.379 | 0295 | - | Rel-17 | C | enh3MCPTT | revised |
| S6-211813 | Update to the temporary group call regrouping procedures | Huawei, Hisilicon | 23.379 | 0295 | 1 | Rel-17 | C | enh3MCPTT | revised |
| S6-211860 | Update to the temporary group call regrouping procedures | Huawei, Hisilicon | 23.379 | 0295 | 2 | Rel-17 | C | enh3MCPTT | endorsed |
| S6-211706 | Removal of temporary regroup procedures | Motorola Solutions Germany | 23.379 | 0296 | - | Rel-17 | F | enh3MCPTT | revised |
| S6-211761 | Removal of temporary regroup procedures | Motorola Solutions Germany | 23.379 | 0296 | 1 | Rel-17 | F | enh3MCPTT | endorsed |
| S6-211594 | Unicast QoS monitoring data retrieval | Ericsson | 23.434 | 0073 | - | Rel-17 | B | eSEAL | revised |
| S6-211793 | Unicast QoS monitoring data retrieval | Ericsson | 23.434 | 0073 | 1 | Rel-17 | B | eSEAL | postponed |
| S6-211595 | Unified support for TSC/TSN services procedures | Ericsson | 23.434 | 0074 | - | Rel-17 | F | eSEAL | revised |
| S6-211799 | Unified support for TSC/TSN services procedures | Ericsson | 23.434 | 0074 | 1 | Rel-17 | F | eSEAL | postponed |
| S6-211622 | Improved Event Monitoring Service | Ericsson | 23.434 | 0075 | - | Rel-17 | C | eSEAL | revised |
| S6-211797 | Improved Event Monitoring Service | Ericsson | 23.434 | 0075 | 1 | Rel-17 | C | eSEAL | revised |
| S6-211840 | Improved Event Monitoring Service | Ericsson | 23.434 | 0075 | 2 | Rel-17 | C | eSEAL | agreed |
| S6-211625 | Utilize NEF location service for SEAL LM | Ericsson, ZTE | 23.434 | 0076 | - | Rel-17 | B | eSEAL | revised |
| S6-211798 | Utilize NEF location service for SEAL LM | Ericsson, ZTE, Deutsche Telekom, Kyonggi University | 23.434 | 0076 | 1 | Rel-17 | B | eSEAL | revised |
| S6-211838 | Utilize NEF location service for SEAL LM | Ericsson, ZTE, Deutsche Telekom, Kyonggi University | 23.434 | 0076 | 2 | Rel-17 | B | eSEAL | agreed |
| S6-211636 | Enable VAL server for P2P media parameter negotiation. | Tencent | 23.434 | 0077 | - | Rel-17 | B | eSEAL | postponed |
| S6-211641 | Updates to Location based Group | Samsung | 23.434 | 0078 | - | Rel-17 | C | eSEAL | revised |
| S6-211786 | Updates to Location based Group | Samsung | 23.434 | 0078 | 1 | Rel-17 | C | eSEAL | revised |
| S6-211839 | Updates to Location based Group | Samsung | 23.434 | 0078 | 2 | Rel-17 | C | eSEAL | agreed |
| S6-211579 | Update on ECS Configuration Information | Samsung | 23.558 | 0001 | - | Rel-17 | F | EDGEAPP | Agreed |
| S6-211593 | Removal of Editor's Note on ACR scenario co-existence and overlap | Apple | 23.558 | 0002 | - | Rel-17 | F | EDGEAPP | revised |
| S6-211710 | Removal of Editor's Note on ACR scenario co-existence and overlap | Apple | 23.558 | 0002 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-211606 | Corrections for service continuity planning | Apple | 23.558 | 0003 | - | Rel-17 | F | EDGEAPP | revised |
| S6-211709 | Corrections for service continuity planning | Apple | 23.558 | 0003 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-211835 | Corrections for service continuity planning | Apple | 23.558 | 0003 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-211617 | Correct service provisioning overview | Ericsson | 23.558 | 0004 | - | Rel-17 | F | EDGEAPP | revised |
| S6-211794 | Correct service provisioning overview | Ericsson | 23.558 | 0004 | 1 | Rel-17 | F | EDGEAPP | Agreed |
| S6-211618 | EDGE-3 Context Transfer | Ericsson | 23.558 | 0005 | - | Rel-17 | F | EDGEAPP | revised |
| S6-211795 | EDGE-3 Context Transfer | Ericsson | 23.558 | 0005 | 1 | Rel-17 | F | EDGEAPP | merged |
| S6-211619 | Solve EN for E1 traffic monitoring | Ericsson | 23.558 | 0006 | - | Rel-17 | F | EDGEAPP | revised |
| S6-211796 | Solve EN for E1 traffic monitoring | Ericsson | 23.558 | 0006 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-211834 | Solve EN for E1 traffic monitoring | Ericsson | 23.558 | 0006 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-211620 | Solve EN for scenario#5 | Ericsson | 23.558 | 0007 | - | Rel-17 | F | EDGEAPP | Agreed |
| S6-211646 | EEC context relocation | Samsung, Convida | 23.558 | 0008 | - | Rel-17 | F | EDGEAPP | revised |
| S6-211756 | EEC context relocation | Samsung, Convida | 23.558 | 0008 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-211836 | EEC context relocation | Samsung, Convida, Huawei, Ericsson | 23.558 | 0008 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-211647 | EAS DNAIs | Samsung | 23.558 | 0009 | - | Rel-17 | F | EDGEAPP | Agreed |
| S6-211648 | Correction to ACR request and response | Samsung | 23.558 | 0010 | - | Rel-17 | F | EDGEAPP | Agreed |
| S6-211649 | Reference corrections | Samsung | 23.558 | 0011 | - | Rel-17 | F | EDGEAPP | revised |
| S6-211757 | Reference corrections | Samsung | 23.558 | 0011 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-211650 | Reference updates | Samsung | 23.558 | 0012 | - | Rel-17 | F | EDGEAPP | agreed |
| S6-211658 | ACR information notification method | Huawei, Hisilicon | 23.558 | 0013 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-211659 | Adding AC provider ID in AC profile | Huawei, Hisilicon | 23.558 | 0014 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-211660 | Coordination for the relocation of EEC context and application context | Huawei, Hisilicon | 23.558 | 0015 | - | Rel-17 | F | EDGEAPP | revised |
| S6-211800 | Coordination for the relocation of EEC context and application context | Huawei, Hisilicon | 23.558 | 0015 | 1 | Rel-17 | F | EDGEAPP | merged |
| S6-211661 | Correction to scenario in clause 8.8.2.6 considering service continuity planning | Huawei, Hisilicon | 23.558 | 0016 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-211662 | Correction to the service provisioning procedure | Huawei, Hisilicon | 23.558 | 0017 | - | Rel-17 | F | EDGEAPP | revised |
| S6-211801 | Correction to the service provisioning procedure | Huawei, Hisilicon | 23.558 | 0017 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-211663 | Correction for EES determination at ECS and EEC | Huawei, Hisilicon | 23.558 | 0018 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-211664 | Remove EN on automated ACR service message | Huawei, Hisilicon | 23.558 | 0019 | - | Rel-17 | F | EDGEAPP | agreed |
| S6-211665 | Remove the EAS status of EAS discovery filter | Huawei, Hisilicon | 23.558 | 0020 | - | Rel-17 | F | EDGEAPP | agreed |
| S6-211666 | Resolving the failure of ACR | Huawei, Hisilicon | 23.558 | 0021 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-211667 | Addition of a prediction expiration time IE to resolve the editor’s note on service continuity planning | Huawei, Hisilicon | 23.558 | 0022 | - | Rel-17 | F | EDGEAPP | revised |
| S6-211802 | Addition of a prediction expiration time IE to resolve the editor’s note on service continuity planning | Huawei, Hisilicon | 23.558 | 0022 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-211668 | Resolving the Editor’s Note on the architecture in clause 6.2 | Huawei, Hisilicon | 23.558 | 0023 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-211669 | Resolving EN about Automated ACR terminology | Huawei, Hisilicon | 23.558 | 0024 | - | Rel-17 | F | EDGEAPP | Agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S6-211504 | S2-2104864 | Reply LS to SA4 on UE Data Collection | SA2 | noted | (none) |
| S6-211505 | S2-2104895 | Reply LS on Support of UAVs authentication/authorization in 3GPP systems and interfacing with USS/UTM | SA2 | noted | (none) |
| S6-211506 | S2-2104916 | Reply LS to GSMA-ACJA: 3GPP SA1 clarifications on problematic UAV | SA2 | noted | (none) |
| S6-211507 | S2-2104962 | Reply LS on work split for MBSF and MBSTF definition | SA2 | noted | (none) |
| S6-211508 | S2-2105034 | LS reply to SA on GSMA 3GPP Edge Computing coordination | SA2 | noted | (none) |
| S6-211509 | S4-210961 | Reply LS to SA2 on UE Data Collection | SA4 | noted | (none) |
| S6-211510 | S2-2104794 | LS on 5G capabilities exposure for factories of the future | SA2 | noted | (none) |
| S6-211511 | S5-213443 | Reply LS on Edge computing definition and integration | SA5 | noted | (none) |
| S6-211512 | S5-213445 | Reply LS on EDGEAPP | SA5 | noted | (none) |
| S6-211513 | S5-213449 | LS reply to SA on GSMA 3GPP Edge Computing coordination.doc | SA5 | noted | (none) |
| S6-211514 | S3-212158 | Reply to Reply LS on RAT type for network monitoring | SA3 | noted | (none) |
| S6-211515 | S3-212355 | Reply LS on IP address to GPSI translation | SA3 | noted | (none) |
| S6-211516 | SP-210583 | Reply LS to GSMA Operator Platform Group on edge computing definition and integration | SA | noted | (none) |
| S6-211517 | SP-210579 | LS on UAS terminology alignment | SA | noted | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S6-211829 | LS on Bearer pre-emption rate limit issue for GBR bearer establishment in MC systems | TSG RAN2, RAN3 | TSG RAN | - |
| S6-211831 | LS on MSGin5G store-and-forward clarifications | SA1 | - | - |

## Annex D: List of agreed/approved new and revised Work Items

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S6-211858 | Study on Impact of ETSI MEC framework alignment on EDGEAPP Architecture | Intel Technology India Pvt Ltd | SID new |
| S6-211789 | New WID on Mission Critical Services over 5MBS | Union Inter. Chemins de Fer | WID new |
| S6-211859 | FutureWork-New-WID-for-application-layer-support-for-FF | ZTE Corporation | WID new |

## Annex E: List of draft Technical Specifications and Reports

None

## Annex F: List of action items

None

## Annex G: List of decisions

|  |  |  |  |
| --- | --- | --- | --- |
| Meeting/Number | Agenda item | Document | Details |
| SA6#44 / 01 | 7.3 | S6-211761 | Vote anticipated during SA6#45 |
| SA6#44 / 02 | 7.3 | S6-211860 | Vote anticipated during SA6#45 |

## Annex H: List of participants

|  |  |  |
| --- | --- | --- |
| Name | Representing | Status (OP) |
| ÅKESSON, Joakim | Ericsson LM | 3GPPMEMBER (ETSI) |
| ALEKSIEV, Vasil | T-Mobile Austria GmbH | 3GPPMEMBER (ETSI) |
| ALHALASEH, Rana | Ericsson GmbH, Eurolab | 3GPPMEMBER (ETSI) |
| AMOGH, Niranth | Huawei Tech.(UK) Co.. Ltd | 3GPPMEMBER (ETSI) |
| AZEM, Dania | BDBOS | 3GPPMEMBER (ETSI) |
| BAI, kunai | TD Tech Ltd | 3GPPMEMBER (CCSA) |
| BEICHT, Peter | Kontron Transportation France | 3GPPMEMBER (ETSI) |
| CETINKAYA, Egemen | Verizon Denmark | 3GPPMEMBER (ETSI) |
| CHAMPEL, Mary-Luc | Beijing Xiaomi Electronics | 3GPPMEMBER (CCSA) |
| CHATER-LEA, David | Motorola Solutions UK Ltd. | 3GPPMEMBER (ETSI) |
| CHITTURI, Suresh | Samsung Electronics Benelux BV | 3GPPMEMBER (ETSI) |
| CHOI, Sang Won | Kyonggi University | 3GPPMEMBER (TTA) |
| DAWES, Peter | Vodafone España SA | 3GPPMEMBER (ETSI) |
| EITOKU, haruka | NTT corporation | 3GPPMEMBER (ETSI) |
| ELAMANOV, Sherzod | SyncTechno Inc. | 3GPPMEMBER (TTA) |
| ELLOUMI, Omar | Nokia Belgium | 3GPPMEMBER (ETSI) |
| FEATHERSTONE, Walter | Samsung R&D Institute UK | 3GPPMEMBER (ETSI) |
| FLANDER, Andreas | BDBOS | 3GPPMEMBER (ETSI) |
| FU, Jiadi | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |
| GARCIA, Jorge | HISPASAT SA | 3GPPMEMBER (ETSI) |
| GUPTA, Nishant | Samsung Electronics Nordic AB | 3GPPMEMBER (ETSI) |
| HAO, Hongxia | HUAWEI Technologies Japan K.K. | 3GPPMEMBER (ARIB) |
| HJELM, Bjorn | Verizon Sweden | 3GPPMEMBER (ETSI) |
| JANKY, William | FirstNet | 3GPPMEMBER (ATIS) |
| JIA, Xiaoqian | HUAWEI TECHNOLOGIES Co. Ltd. | 3GPPMEMBER (ETSI) |
| JIANG, Tianji | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |
| KAPALE, Kiran | Samsung R&D Institute India | 3GPPMEMBER (TSDSI) |
| KIM, Hyesung | Samsung Electronics Czech | 3GPPMEMBER (ETSI) |
| KOERSTEN, Frank | BDBOS | 3GPPMEMBER (ETSI) |
| KOO, Hyounhee | SyncTechno Inc. | 3GPPMEMBER (ETSI) |
| LAZARA, Dominic | Motorola Solutions Germany | 3GPPMEMBER (ETSI) |
| LEE, Hyeonsoo | SK Telecom | 3GPPMEMBER (TTA) |
| LEE, Seung-Ik | ETRI | 3GPPMEMBER (TTA) |
| LEI, Yu | Xiaomi Communications | 3GPPMEMBER (CCSA) |
| LEVINE, Anatoli | Softil Ltd | 3GPPMEMBER (ETSI) |
| LIU, Jianning(Carry) | Beijing Xiaomi Software Tech | 3GPPMEMBER (CCSA) |
| LIU, Yue | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |
| LU, Wei | Xiaomi Technology | 3GPPMEMBER (CCSA) |
| LYU, Huazhang | vivo Mobile Com. (Chongqing) | 3GPPMEMBER (CCSA) |
| MADDEN, Helen | Verizon Spain | 3GPPMEMBER (ETSI) |
| MARIOTTE, Hubert | Orange | 3GPPMEMBER (ETSI) |
| MATTSSON, Bernt | ETSI | 3GPPORG\_REP (ETSI) |
| MAYER, Georg | HUAWEI TECHNOLOGIES Co. Ltd. | 3GPPMEMBER (ETSI) |
| MELLIES, Renaud | MINISTERE DE L'INTERIEUR | 3GPPMEMBER (ETSI) |
| MERRICK, Robert | HOME OFFICE | 3GPPMEMBER (ETSI) |
| MLADIN, Catalina | Convida Wireless | 3GPPMEMBER (ETSI) |
| MOHAJERI, Shahram | AT&T GNS Belgium SPRL | 3GPPMEMBER (ETSI) |
| MONNES, Peter | Peraton Labs | 3GPPMEMBER (ATIS) |
| MONRAD, Atle | InterDigital, Europe, Ltd. | 3GPPMEMBER (ETSI) |
| MUSTAPHA, Mona | Apple France | 3GPPMEMBER (ETSI) |
| NERLIKAR, Rohit | Motorola Solutions UK Ltd. | 3GPPMEMBER (ETSI) |
| OETTL, Martin | Nokia Germany | 3GPPMEMBER (ETSI) |
| OPRESCU, Val | AT&T | 3GPPMEMBER (ATIS) |
| PARK, Sungjin | Samsung Electronics Polska | 3GPPMEMBER (ETSI) |
| PATEROMICHELAKIS, Emmanouil | Motorola Mobility UK Ltd. | 3GPPMEMBER (ETSI) |
| PATTAN, Basavaraj (Basu) | Samsung Electronics GmbH | 3GPPMEMBER (ETSI) |
| PLATZER, Andreas | BDBOS | 3GPPMEMBER (ETSI) |
| RAMAMOORTHY, Arunprasath | Samsung Electronics France SA | 3GPPMEMBER (ETSI) |
| RAMANAN, Sivasubramaniam | HOME OFFICE | 3GPPMEMBER (ETSI) |
| REZAGAH, Roya | Huawei Technologies Sweden AB | 3GPPMEMBER (ETSI) |
| RURAINSKY, Juergen | BDBOS | 3GPPMEMBER (ETSI) |
| SANDERS, Peter | one2many B.V. | 3GPPMEMBER (ETSI) |
| SHAILENDRA, Samar | Intel Technology India Pvt Ltd | 3GPPMEMBER (TSDSI) |
| SHAO, Weixiang | ZTE Corporation | 3GPPMEMBER (CCSA) |
| SHIFERAW, Yonatan | KPN N.V. | 3GPPMEMBER (ETSI) |
| SHIH, Jerry | AT&T GNS Belgium SPRL | 3GPPMEMBER (ETSI) |
| SOLOWAY, Alan | Qualcomm Incorporated | 3GPPMEMBER (ATIS) |
| SUZUKI, Yuji | NTT DOCOMO INC. | 3GPPMEMBER (TTC) |
| SZABO, Geza | Ericsson Telecomunicazioni SpA | 3GPPMEMBER (ETSI) |
| TANGUDU, Narendranath Durga | Samsung Electronics Iberia SA | 3GPPMEMBER (ETSI) |
| TRAKINAT, Jean | T-Mobile USA Inc. | 3GPPMEMBER (ATIS) |
| VERWEIJ, Kees | Netherlands Police | 3GPPMEMBER (ETSI) |
| VIALEN, Jukka | Airbus | 3GPPMEMBER (ETSI) |
| WELLS, Derek | L3Harris Technologies | 3GPPMEMBER (ATIS) |
| WENDLER, Ingo | Union Inter. Chemins de Fer | 3GPPMEMBER (ETSI) |
| WOODWARD, Tim | Motorola Solutions Danmark A/S | 3GPPMEMBER (ETSI) |
| XU, Wenliang | Ericsson India Private Limited | 3GPPMEMBER (TSDSI) |
| XUE, Kaixin | CBN | 3GPPMEMBER (CCSA) |
| YI, Jong-Hwa | ETRI | 3GPPMEMBER (TTA) |
| ZAUS, Robert | Apple GmbH | 3GPPMEMBER (ETSI) |
| ZHANG, Ling | CATT | 3GPPMEMBER (ETSI) |
| ZHANG, Xueyan | COMMUNICATIONS ALLIANCE LTD | 3GPPOBSERV (OTHER) |
| ZHAO, Shuai | Tencent | 3GPPMEMBER (CCSA) |
| ZHENG, Shaowen | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |

## Annex I: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Title** | **Start date** | **End date (OP)** | **Town** | **Country** | **Reference** |
| 3GPPSA6#45-e | 25/08/2021 12:30:00 UTC | 03/09/2021 16:30:00 UTC | Online | - | S6-45 |
| 3GPPSA6#45-bis | 11/10/2021 | 15/10/2021 | TBC | NA | S6-45-bis- |
| 3GPPSA6#46 | 15/11/2021 | 19/11/2021 | TBC | NA | S6-46 |
| 3GPPSA6#47 | 14/02/2022 | 18/02/2022 | TBC | NA | S6-47 |
| 3GPPSA6#48 | 04/04/2022 | 08/04/2022 | TBC | NA | S6-48 |
| 3GPPSA6#49 | 16/05/2022 | 20/05/2022 | TBC | NA | S6-49 |
| 3GPPSA6#49-bis | 27/06/2022 | 01/07/2022 | TBC | NA | S6-49-bis |
| 3GPPSA6#50 | 22/08/2022 | 26/08/2022 | TBC | NA | S6-50 |
| 3GPPSA6#51 | 10/10/2022 | 14/10/2022 | TBC | NA | S6-51 |
| 3GPPSA6#52 | 14/11/2022 | 18/11/2022 | TBC | NA | S6-52 |