**3GPP TSG-SA WG6 Meeting #46-e S6-212497**

**e-meeting, 15th – 23rd November 2021**

Source: MCC

Title: SA6 Meeting 45-bis-e report

Agenda Item: 3

Contact: Bernt Mattsson bernt.mattsson@etsi.org

*Abstract: Meeting report of 3GPP SA6 meeting #45-bis-e*

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

 **Meeting Report
for
TSG SA WG6
e-meeting: #45-bis-e**

**11/10/2021 to 19/10/2021**

Report generated on Tuesday, 2021-10-26 12:19 UTC

Contents:

1 Opening of the meeting 4

1.1 IPR and antitrust policy reminders 4

1.2 Reminder to check-in at the e-meeting 4

2 Agenda and Chair notes 4

3 Report from previous meetings 5

4 Liaison statements 5

4.1 Incoming LSs 5

4.2 Outgoing LSs 12

5 Items for early consideration 16

5.1 Working Agreements / Technical Votes 16

5.2 Others 16

6 Rel-16 Work Items 16

7 Rel-17 Work Items 16

7.1 eMONASTERY2 - Enhancements to Application Architecture for the Mobile Communication System for Railways Phase 2 16

7.2 MCIOPS - MC services support on IOPS mode of operation 17

7.3 enh3MCPTT - Enhanced Mission Critical Push-to-talk architecture phase 3 17

7.4 eMCData3 - Enhancements for functional architecture and information flows for Mission Critical Data 17

7.5 MCOver5GS - Mission Critical Services over 5GS 18

7.6 EDGEAPP - Architecture for enabling Edge Applications 18

7.7 eV2XAPP - Enhanced application layer support for V2X services 24

7.8 UASAPP - Application layer support for Unmanned Aerial System (UAS) 24

7.9 eSEAL - Enhanced Service Enabler Architecture Layer for Verticals 24

8 Rel-17 Work Items with Exception 25

8.1 5GMARCH - Application Architecture for MSGin5G Service 25

9 Rel-18 Work Items 29

9.1 FFAPP - Application layer support for Factories of the Future (FF) 29

9.2 MCOver5MBS - Mission Critical Services over 5MBS 31

9.3 MCGWUE - Gateway UE function for Mission Critical Communication 35

10 Rel-18 Study Items 36

10.1 FS\_MCOver5GS - Study on Mission Critical Services support over 5G System 36

10.2 FS\_MCGWUE - Study of Gateway UE function for Mission Critical Communication 42

10.3 FS\_IRail - Study of Interconnection and Migration Aspects for Railways 42

10.4 FS\_NSCALE - Study on Network Slice Capability Exposure for Application Layer Enablement 44

10.5 FS\_SNAAPP - Study on application enablement aspects for subscriber-aware northbound API access 47

10.6 FS\_ACE\_IOT - Study on Application Capability Exposure for IoT Platforms 49

10.7 FS\_5GFLS - Study on 5G-enabled fused location service capability exposure 50

10.8 FS\_eEDGEAPP - Study on enhanced Application Architecture for enabling Edge Applications 52

10.9 FS\_eUASAPP - Study on enhanced architecture for UAS Applications 62

10.10 FS\_SEALDD - Study on SEAL data delivery enabler for vertical applications 62

10.11 FS\_eV2XAPP2 - Study on enhancements to application layer support for V2X services; Phase 2 64

11 Future work / New WIDs (including related contributions) 65

12 Work Plan review 71

13 Future meetings 71

14 AOB 71

15 Close of the meeting 71

Annex A: Contribution documents and status 72

A1: List of TDocs 72

Annex B: List of change requests 80

Annex C: Lists of liaisons 84

C1: Incoming liaison statements 84

C2: Outgoing liaison statements 84

Annex D: List of agreed/approved new and revised Work Items 85

Annex E: List of draft Technical Specifications and Reports 85

Annex F: List of action items 85

Annex G: List of decisions 85

Annex H: List of participants 86

Annex I: List of future meetings 87

## 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 notes

**S6-212180 SA6 Meeting 45-bis-e Agenda**

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

**Abstract:**

Agenda for the SA6#45-bis-e meeting

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

**S6-212182 SA6 Meeting #45-bis-e - Agenda with Tdocs allocation after submission deadline**

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

**Abstract:**

The SA6#45-bis-e meeting agenda with Tdocs allocation after submission deadline

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

**S6-212183 SA6 Meeting #45-bis-e - Agenda with Tdocs allocation at start of the meeting**

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

**Abstract:**

The SA6#45-bis-e meeting agenda with Tdocs allocation at the start of the meeting

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

**S6-212184 SA6 Meeting #45-bis-e - Chairman's notes at end of the meeting**

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

**Abstract:**

Chairman's notes at end of the SA6#45-bis-e meeting

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

## 3 Report from previous meetings

**S6-212181 SA6 Meeting 45-e Report**

 *Type: report For: Approval
 Source: MCC*

**Abstract:**

The report of the SA6#45-e meeting.

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

## 4 Liaison statements

### 4.1 Incoming LSs

**S6-212185 LS on information about draft Recommendation ITU-T Y.frd: Framework and Requirements of Network-oriented Data Integrity Verification Service based on Blockchain in Future Network**

 *Type: LS in For: Information
 Original outgoing LS: SG13-LS212, to ITU-T SG17, 3GPP SA6, cc -
 Source: ITU-T SG 13*

**Discussion:**

The LS had already been considered during the last meeting and had been forwarded to SA1 and SA3.

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

**S6-212190 APT report on emerging critical applications & use cases of IMT for industrial, societal and enterprise users**

 *Type: LS in For: Action
 Original outgoing LS: AWG-28/OUT-03 (Rev.1), to 3GPP SA, SA6, cc -
 Source: ASIA-PACIFIC TELECOMMUNITY (AWG-28)*

**Discussion:**

The chair presented the LS during the opening call.

Qualcomm was of the view that producing a response would probably beneficial.

Huawei agreed with the view of Qualcomm.

Samsung pointed out that there had been some earlier communications with the organisation in question (mainly in RAN).

InterDigital suggested that a reply would be co-ordinated by SA.

Motorola Solutions agreed with the view of InterDigital.

Qualcomm further suggested SA6 would prepare the "SA6 portion" of the anticipated reply.

The LS was postponed until the next meeting.

There was a suggestion to forward the LS to SA1 and SA2 possibly SA5.

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

**S6-212192 Reply LS on Inclusive language review**

 *Type: LS in For: Action
 Original outgoing LS: SP-211140, to 3GPP RAN, CT, SA1, SA2, SA3, SA4, SA5, SA6, cc na
 Source: 3GPP SA*

**Abstract:**

1. Overall Description:

TSG SA would like to thank TSG RAN for their LS on Inclusive language review.

When discussing usage of inclusive language in 3GPP specifications, SA decided to also cover 2G and 3G specifications. Like 4G (EPS) and 5G specifications, inclusive language related changes to 2G and 3G specifications will be applied to the Rel-17 specifications and onwards.

On the alignment/change of coding elements it was communicated in the initial LS that those should only be done if no break in backward compatibility occurs due to the change. As long as this is ensured, SA would leave the details of the discussion and decision to RAN and CT to find a common approach.

2. Actions:

To RAN, CT:

ACTION: TSG SA respectfully asks TSGs RAN and CT to take note of the above.

To SA1, SA2, SA3, SA4, SA5, SA6:

ACTION: TSG SA respectfully asks SA1, SA2, SA3, SA4, SA5, SA6 to take note of the above. SA#93e request the SA WG Chairs to recommend 2G and 3G specification Rapporteurs to act accordingly and submit related CRs for approval to the SA#94e.

**Discussion:**

The chair presented the LS during the opening call.

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

**S6-212188 Reply LS on UAS terminology alignment**

 *Type: LS in For: Information
 Original outgoing LS: S1-213256, to 3GPP SA, cc 3GPP SA2, SA3 and SA6
 Source: SA1*

**Abstract:**

1 . Overall description

3GPP SA1 thanks 3GPP TSG SA for the LS requesting the alignment of UAS terminology in Rel-17 specifications of TS 22.125 about the change of term of “Unmanned” to “Uncrewed”. 3GPP SA1 has agreed the corresponding alignment as attached CR.

2 . Actions

To 3GPP TSG SA

ACTION: 3GPP SA1 respectfully asks 3GPP TSG SA to take the above into consideration.

**Discussion:**

The chair presented the LS during the opening call.

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

**S6-212193 Reply LS to 5G-ACIA on 5G capabilities exposure for factories of the future**

 *Type: LS in For: Discussion
 Original outgoing LS: SP-211134, to -, cc -
 Source: 3GPP SA*

**Abstract:**

, both En and Nm reference points are related to 3GPP SA5, and we believe they are used to address management exposure aspects.

 5G-ACIA 5G exposure reference point En supports interactions between 3GPP MnS producers and their consumers for network monitoring as described in section 4.3.1 and 9.2.1 of 5G-ACIA White Paper. The 3GPP Fault Supervision MnS (3GPP TS 28.545) and Performance management MnS (3GPP TS 28.550) can be used to support network monitoring. This also includes monitoring of a logical network e.g. network slice.

 5G-ACIA 5G exposure reference point Nm supports interactions between 3GPP MnS producers and their consumers for network configuration and maintenance as described in section 4.3.2 of 5G-ACIA White Paper. The 3GPP Provisioning MnS (3GPP TS 28.532) can be used to support network configuration and maintenance. This also includes adding, modifying and removing logical networks (see SubNetwork in 3GPP TS 28.622) e.g. network slice.

3GPP SA6 has addressed service layer exposure requirements for industrial applications within Release 17 in the study on application layer support for Factories of the Future in 5G network. This study is based on 5G network exposure capabilities and SA1 requirements. The SA6 study is concluded and documented in the technical report 3GPP TR 23.745. Further, SA6 has also agreed to work on normative specification in Rel-18 based on the conclusions from the study.

As described in the latest version of 3GPP TR 23.745, identified key issues, solutions for and conclusions at the application enablement layer have been addressed. These may be of interest of 5G-ACIA. For instance, device management requirements on device identity management, device connectivity management (e.g. for time sensitive communication support, TSN support, QoS monitoring), device connectivity monitoring, device group management (e.g., for 5GLAN group management) and device location information are some of the key issues addressed in TR 23.745. Other requirements have also been addressed within this study, e.g. clock synchronization.

Also, some of the concluded solutions in 3GPP TR 23.745 have already been specified in Release 17 as part of enhancements to the Service Enabler Architecture Layer for Verticals (SEAL) in the technical specification 3GPP TS 23.434.

3GPP SA would like to take this opportunity to encourage the member companies of 5G-ACIA to directly engage in the pertinent 3GPP WGs to enable closer alignment of 3GPP initiatives (related to 5G capabilities exposure) and the 5G-ACIA requirements.

2. Actions:

To 5G-ACIA:

ACTION: 3GPP SA kindly asks 5G-ACIA to take the above information into consideration.

**Discussion:**

The chair presented the LS during the opening call.

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

**S6-212189 LS on Prioritized Vehicle to Cloud Technical Solutions**

 *Type: LS in For: Action
 Original outgoing LS: -, to 3GPP SA, cc 3GPP SA1, SA2, SA5 and SA6
 Source: AECC - Automotive Edge Computing Consortium*

**Abstract:**

1. Overall Description:

The Automotive Edge Computing Consortium (AECC, https://aecc.org/) was launched in February 2018 as a global consortium of automotive, telecommunication, cloud and mobility service companies. AECC is greatly interested in accelerating the deployment of automotive services based on network and distributed computing infrastructure. Such a goal is also achieved by identifying, developing and accessing functional and performance requirements of access networks and compute platforms, that are deemed important to enable prioritized and high-value automotive services. To this extent, AECC will require standardized solutions which are industry-wide aligned and introduced in the market.

Use Case Development Working Group in AECC aims to develop use cases and requirements for the connected vehicles industry. The most relevant use case scenarios with 3GPP are intelligent driving, high-definition maps, vehicle-to-cloud cruise assist, and multi-tenant systems. Further details can be found in the attached AECC General Principle and Vision White Paper.

Technical Solution Working Group in AECC focuses on developing and recommending technical solutions for the connected vehicles industry based on the requirements defined by the AECC service scenarios and use cases. The technical solution recommendations by AECC on edge data offloading, mobility service provider server selection and vehicle system reachability are in line with 3GPP Rel-17 work items.

Also, AECC would like to share information about some new key issues that have been identified as important from connected vehicles industry perspective. The new key issues are access network selection, provisioning and configuration update and opportunistic data transfer. For AECC's recommendations to address these key issues, AECC would from a technical solution perspective recommend 3GPP in the Rel-18 development to study the technical gaps, and develop corresponding solutions for any identified one. For example, for key issue access network selection, a mechanism to expose information about network status to UE OS/Apps layer. Further details can be found in the chapters 3.4.3, 3.5.3 and 3.6.3 of the attached Technical Report.

Another track of work undertaking in the AECC Technical Solution Working Group is around distributed computing architecture. AECC has defined the preliminary service and architecture level requirements as well as an initial functional architecture for distributed computing in the context of automotive edge computing. AECC would ask 3GPP to kindly take AECC service requirements and system architecture into account in 3GPP Rel-18 specification development as well. More technical details can be found in the attached Distributed Computing White Paper.

2. Actions:

To 3GPP TSG SA, 3GPP SA WG2, 3GPP SA WG5, 3GPP SA WG6

ACTION:

 AECC kindly invites 3GPP to review and provide feedback to the attached white papers and technical report.

**Discussion:**

Ericsson presented the LS during the opening call.

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

**S6-212187 LS on EAS and ECS identifiers**

 *Type: LS in For: Action
 Original outgoing LS: S3-213089, to -, cc -
 Source: SA3*

**Abstract:**

1 . Overall description

SA3 is currently concluding its study on security aspects of enhancement of support for edge computing in 5G Core, captured in TR 33.839.

In this study, SA3 has identified the following issues related to the identifiers for the ECS (Edge Configuration Server) and the EAS (Edge Application Server).

1) According to the potential security requirements of Key Issue #2 "Authentication and Authorization between EEC and ECS" and Key Issue #3 "Authentication and Authorization between EES and ECS" in TR 33.839, the ECS shall be able to mutually authenticate with the EEC and the EES. However, TS 23.558 does not specify an identifier for the ECS.

2) TS 23.558 [2] clause 7.2.4 specifies the EAS ID as follows: "The EASID identifies a particular application for e.g. SA6Video, SA6Game etc. For example, all Edge SA6Video Servers will share the same EASID." This does not enable the EES to distinguish between different EASes of the same application type, during some procedures such as mutual authentication and EAS authorization. It is suggested to define the unique EAS ID for each EAS. If this requirement has the impact on the EC service defined by SA6, please inform SA3.

2. Actions

To SA6

ACTION: 3GPP SA3 kindly asks SA6 to specify identifiers for the ECS and the EAS that allow the EES (and EEC, for the ECS case) to distinguish between different ECS and EAS of the same type.

**Discussion:**

Ericsson presented the LS during the opening call.

Qualcomm was of the view that SA6 should provide a response. However it does not necessary mean that SA6 needs to change their architecture solution.

Huawei also suggested a reply would be prepared.

However the group will need to conclude on a response once reviewed the related technical contributions.

Samsung also was of the view that SA6 should prepare a response.

Motorola Solutions agreed with previous views but noted it was still unclear whether any changes will be required.

The discussion on the LS continued during the CC2. A lengthy discussion ensued on e.g. the need of an unique ECS id or not. One of the suggestions was to reply that SA6 considers the contact information was enough and hence no dedicated ID has been specified.

**Decision:** The document was **replied to in S6-212216**.

**S6-212201 LS on latest progress and outstanding issues in SA WG2**

 *Type: LS in For: Action
 Original outgoing LS: S2-2106913, to 3GPP SA4, SA6, CT1, cc -
 Source: SA2*

**Abstract:**

1. Overall Description:

SA2 is working on completion of 5G MBS related work including TS 23.247. Besides the message flows for interaction involving MBSF mentioned in the last liaison (S2-2104962) to SA4, some other aspects also need confirmation or coordination with SA4, SA6 and CT1, namely:

- Besides pre-configuration to UEs, whether the PLMN ID, DNN and S-NSSAI to be used for multicast could be provided to UEs by service announcement. The PLMN ID, DNN and S-NSSAI will be used by the UE to determine the PDU session used to join the MBS Session (see clause 6.11).

- SA2 concludes 5MBS interworking with eMBMS for public safety (see clauses 6.8 and 7.4).

SA2 has discussed such issues in SA2#146E and the agreements are being captured in the next version of TS 23.247. SA2 kindly requests SA4 SA6 and CT1 for their possible feedback on the above information.

2. Actions:

To SA4 SA6, and CT1 group.

ACTION: SA2 respectfully asks SA4, SA6 and CT1 to take the above information into account, and provide possible feedback.

**Discussion:**

Huawei presented the LS during the opening call.

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

**S6-212356 LS on the definition of EAS and EAS context**

 *Type: LS in For: Action
 Original outgoing LS: S4-211231, to SA6, cc SA2
 Source: SA4*

**Abstract:**

1 . Overall description

As part of the 5GMS\_EDGE work item, SA4 is working on the identification and definition of application context for different types of multimedia applications, in order to facilitate their transfer. SA4 is leveraging the SA6 defined EDGEAPP architecture, including the Application Context Relocation procedures.

As part of this effort, SA4 would like to kindly ask SA6 to shed some light on the following questions and assumptions:

 - 1. Please confirm our understanding that an EAS is an instance of an AS running in the Edge DN either directly on a bare metal server, as a virtual machine instance, as a container, as a set of collaborating containers or as a serverless function?

 - 2. Does SA6 consider Application Context Relocation as migrating the complete EAS (e.g. by taking a snapshot of a running virtual machine or container, moving it to a target host, and starting up the EAS instance there), or just transferring the data context of the running AS instance between a source EAS instance and a target EAS instance?

 - 3. In the latter case, what procedure is used to collect the application context from the source EAS instance? In particular, what happens if the application context is distributed over multiple processes running on the EAS?

2. Actions

To SA6

ACTION: SA4 kindly asks SA6 to clarify the above-mentioned questions.

**Discussion:**

Qualcomm presented the LS during the opening call.

Qualcomm suggested SA6 would produce reply clarifying the various points of view from the SA6 point of view.

**Decision:** The document was **replied to in S6-212358**.

**S6-212186 LS response on MSGin5G store-and-forward clarifications**

 *Type: LS in For: Action
 Original outgoing LS: S1-213208, to 3GPP SA6, cc -
 Source: SA1*

**Discussion:**

Already handled during the last meeting.

**Decision:** The document was **withdrawn**.

**S6-212191 Reply LS pertaining to new SID on Application Enablement for Data Integrity Verification Service in IOT**

 *Type: LS in For: Action
 Original outgoing LS: S1-213280, to 3GPP SA6 and SA3, cc 3GPP SA
 Source: SA1*

**Decision:** The document was **withdrawn**.

**S6-212357 Reply LS on work split for MBSF and MBSTF definition**

 *Type: LS in For: Information
 Original outgoing LS: S4-211292, to -, cc -
 Source: SA4*

**Abstract:**

1. Overall Description:

SA4 thanks SA2 for the response on the work split for MBSF and MBSTF. SA4 has already started to define the MBS User Service aspects. The work item (link) was approved last SA plenary meeting and SA4 has a first meeting processing first contributions.

The definition of the MBS User Services also includes the service-related definition of the stage 2 for MBSF and MBSTF, including call flows for Nmb2. However, the specification has not yet progressed so far.

The new MBS User Services are specified in TS 26.502. https://www.3gpp.org/DynaReport/26502.htm

2. Actions:

To SA2:

ACTION: SA4 asks SA2 to take the above information into account. SA4 will update SA2 on the progress of the stage 2 work.

**Discussion:**

Ericsson presented the LS during the opening call.

A CR related to the incoming LS can be found as S6-212195.

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

**S6-212359 LS on Private call forwarding**

 *Type: LS in For: Action
 Original outgoing LS: C1-214882, to SA6, cc SA1
 Source: CT1*

**Abstract:**

1 . Overall description

This LS applies to Rel-17 and later releases.

Private call forwarding, as defined by SA6, currently supports only a single forwarding for cases of no-answer and manual input. The reasoning is that in case of failure of private call forwarding, the call initiator is notified and can call someone else. However, who should be called instead is information that the originating side generally does not have. Instead, the destination/terminating user/client is better aware of who should be called if they are not available.

In cases of emergency communications, automatic multiple private call forwardings may be the difference in saving a life. The calling user can be kept informed of the status and targets of the multiple forwardings and can cancel the private call attempt at any time should they need to do so.

In this direction, several improvements can be made to the private call forwarding feature:

- The total number of call forwardings allowed should include all call forwardings, not just immediate forwardings. The current stage 2 text only allows a single forwarding as a result of no-answer or manual input. The limit on call forwardings should apply to the full set of call forwarding attempts that may be made, regardless of the reason.

- The target client/participating MCPTT function can include a human readable display name along with the forwarding target. This will allow the originating client to provide better status of the private call attempt to the originating MCPTT user, permitting the originating MCPTT user to either allow the attempts to continue or to interrupt them and cancel the call attempt.

Stage 3 changes have been agreed in CT1#131e to enable these improvements. See endorsed TS 24.379 CR 0731 (C1-214877) and TS 24.484 CR 0183 (C1-214878) that are attached.

CT1 kindly asks that SA6 consider these improvements and modify the stage 2 accordingly. SA1 has been copied on this LS to keep them informed in the case that SA6 feels some modifications to requirements need to be considered.

2. Actions

To SA6

ACTION: CT1 kindly asks SA6 to consider these improvements and modify the stage 2 accordingly.

**Discussion:**

Kontron presented the LS during the CC1.

Kontron noted they have a related CR available as S6-212195.

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

### 4.2 Outgoing LSs

**S6-212215 LS on network slice management service consumption**

 *Type: LS out For: Approval
 to 3GPP TSG SA WG5
 Source: China Mobile Com. Corporation*

**Discussion:**

China Mobile Com. Corp. presented the draft LS during the opening call.

Qualcomm was of the view that it was too early to send the LS in question.

**Decision:** The document was **revised to S6-212409**.

**S6-212409 LS on network slice management service consumption**

 *Type: LS out For: Approval
 to 3GPP TSG SA WG5
 Source: China Mobile Com. Corporation*

(Replaces S6-212215)

**Discussion:**

Only change to the draft S6-212409 rev1 is to remove meeting ref. "#45" from the source.

**Decision:** The document was **revised to S6-212460**.

**S6-212460 LS on network slice management service consumption**

 *Type: LS out For: Approval
 to SA5, cc SA2
 Source: SA6*

(Replaces S6-212409)

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

**S6-212216 Reply LS on EAS and ECS identifiers**

 *Type: LS out For: (not specified)
 to SA3, cc CT1, CT3
 Source: Ericsson*

**Discussion:**

Ericsson presented the draft LS during the opening call.

It was noted that the related CRs need to be discussed prior to considering the draft LS.

**Decision:** The document was **revised to S6-212447**.

**S6-212447 Reply LS on EAS and ECS identifiers**

 *Type: LS out For: -
 to SA3, cc CT1, CT3
 Source: Ericsson*

(Replaces S6-212216)

**Discussion:**

The draft S6-212447 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212490**.

**S6-212490 Reply LS on EAS and ECS identifiers**

 *Type: LS out For: -
 to SA3, cc CT1, CT3
 Source: SA6*

(Replaces S6-212447)

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

**S6-212281 Multicast RAN scalability issue**

 *Type: discussion For: Discussion
 23.783 v..
 Source: Ericsson*

**Discussion:**

Ericsson presented during the opening call a presentation in in relation to the draft LS in S6-212280.

Nokia made the following remark (over the chat) This issue was already brought up in RAN#93-e (RP-212093), the paper was noted (like in RAN3) as 5MBS multicast does not suffer from capacity and performance limitations as outlined in the paper.

Qualcomm was of the view that this topic was not related to SA6. They suggested addressing the matter in SA2 and/or RAN3.

Huawei reminded that the scope of SA6 is application layer for Mission Critical not end to end solution, therefore they were surprised in seeing this kind of paper in SA6.

Motorola Solutions noted that the matter has been discussed before and made a remark that SA6 as a user of the underlying network layers SA6 has the right to raise possible concerns. The question is merely how to best do this.

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

**S6-212280 LS on Concerns of scalability issues when serving mission critical users over multicast MBS sessions**

 *Type: LS out For: Approval
 to SA2, cc RAN3
 Source: Ericsson*

**Discussion:**

Ericsson presented the draft LS during the opening call.

The chair noted the first paragraph seemed a reasonable, however the second paragraph went into too much detail.

Qualcomm made a remark that this issue would seem more like a concern of selected companies and not a generic SA6 problem.

Nokia noted it seemed strange to take up this matter again, as the relevant WGs have already made a decision on this subject, and hence there was no need for an LS.

Motorola Solutions made a remark with regard to Qualcomm's view and noted most if not all LSs are representing a subset of interested companies, depending on the subject in question.

Huawei had some sympathy with the views of Qualcomm and Nokia, as it would be difficult in SA6 to judge whether the decision taken and or decided on was suitable for the SA6.

Discussion on the draft Rev3 version continued during the CC5.

**Decision:** The document was **revised to S6-212382**.

**S6-212382 LS on Concerns of scalability issues when serving mission critical users over multicast MBS sessions**

 *Type: LS out For: Approval
 to SA2, cc RAN3
 Source: Ericsson*

(Replaces S6-212280)

**Discussion:**

Ericsson presented S6-212382 rev 2 during the closing call.

Huawei did not agree with the statement 'SA6 have concerns" and suggested "would like to highlight".

Nokia also commented that they did not share the "concerns" and suggested a more general statement.

Home Office and AT&T indicated support for the proposed LS.

Home Office further remarked that MBS was never designed for Public Safety in mind.

Motorola Solutions did not understand why Huawei did not support an LS as it was previously agreed an LS would be prepared.

FirstNet did not see why companies where hesitant to send the LS as it was relevant.

Qualcomm did not oppose sending the LS, but suggested input to SA1. They did however have concerns with the process. They further suggested rephrasing SA6 have concerns, by e.g. there are concerns.

During the course of the meeting a draft S6-212382 rev 3 was considered.

Nokia indicated they were not supportive of the LS but did not object to sending the current draft version.

Qualcomm suggested rephrasing "the representative of Mission Critical organisations in SA6".

Huawei objected sending the proposed LS as the reason behind the LS was not clear.

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

**S6-212358 Reply to: LS on the definition of EAS and EAS context**

 *Type: LS out For: approval
 to SA4
 Source: current meeting*

**Discussion:**

Qualcomm presented the draft Rev1 of the contribution.

**Decision:** The document was **revised to S6-212391**.

**S6-212391 Reply to: LS on the definition of EAS and EAS context**

 *Type: LS out For: approval
 to SA4
 Source: current meeting*

(Replaces S6-212358)

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

**S6-212360 REPLY LS Private call forwarding corrections**

 *Type: LS out For: discussion
 to CT1, cc SA1
 Source: SA6*

**Discussion:**

Kontron presented a draft Rev1 version of the document during the CC8.

Motorola Solutions raised some concerns that the LS did not well explain what has been the SA6 principle for handling call forwarding.

Home Office shared the concern of Motorola Solutions.

FirstNet understood the concerns raised in relation to public safety, but pointed out that railways have different requirements.

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

**S6-212361 Private call forwarding**

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

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

## 5 Items for early consideration

### 5.1 Working Agreements / Technical Votes

### 5.2 Others

## 6 Rel-16 Work Items

**S6-212221 Correction to Disposition Notification handling when LMR system temporarily disables Disposition Notification**

 *Type: CR For: Agreement
 23.283 v16.5.0 CR-0056 Cat: F (Rel-16)

 Source: Sepura Ltd*

**Abstract:**

If a disposition notification for an LMR SDS multipoint message is requested (e.g. message read | delivered) then the LMR system may disable forwarding this request to users on congestion grounds and notify the originator of the request that this has happened. Notification of this decision is not currently supported in LMR-3GPP interworking, leading to a FASMO issue when an originating MC client decides on-time out that a message with disposition request has not been delivered and decides to re-send to a group.

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

**S6-212222 Correction to Disposition Notification handling when LMR system temporarily disables Disposition Notification**

 *Type: CR For: Agreement
 23.283 v17.2.0 CR-0057 Cat: A (Rel-17)

 Source: Sepura Ltd*

**Abstract:**

Mirror CR to CR0056/S6-212221. If a disposition notification for an LMR SDS multipoint message is requested (e.g. message read | delivered) then the LMR system may disable forwarding this request to users on congestion grounds and notify the originator of

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

## 7 Rel-17 Work Items

### 7.1 eMONASTERY2 - Enhancements to Application Architecture for the Mobile Communication System for Railways Phase 2

**S6-212195 Private call forwarding corrections**

 *Type: CR For: Agreement
 23.379 v17.8.0 CR-0297 Cat: F (Rel-17)

 Source: Kontron Transportation France, FirstNet*

**Abstract:**

Changes are made to the private call forwarding procedures to handle the total number of call forwardings as indicated in the "Reason for change".

Changes are made to the private call forwarding procedures to add displayable names that will enhance the experience of the private caller.

Define information flows and procedures to support establishing and querying call forwarding settings using the MCPTT client.

Add support for functional aliases as called party identifier.

**Discussion:**

Kontron presented the contribution during the CC1.

Huawei was hoping to have some clarification e.g. related to the human readable display name.

Motorola Solutions did not agree with the proposed changes, nor the conclusions in the LS from CT1 in S6-212359.

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

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

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

**S6-212225 Clarification for Location reporting configuration**

 *Type: CR For: Agreement
 23.280 v17.8.0 CR-0296 Cat: F (Rel-17)

 Source: BDBOS*

**Abstract:**

Correct description for MC service ID in clause 10.9.2.1.

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

**S6-212250 Clarification for location reporting within MBSFN**

 *Type: CR For: Agreement
 23.280 v17.8.0 CR-0297 Cat: F (Rel-17)

 Source: BDBOS*

**Abstract:**

The location of an MC service UE is provided from the location management client to the location management server and from the location management server to the MC service server. And not, as currently stated directly from the MC service UE to the MC ser

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

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

**S6-212259 Clarify MCData service delivery for offline users and delivery notification**

 *Type: CR For: Agreement
 23.282 v17.8.0 CR-0287 Cat: F (Rel-17)

 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Clarify MCData service delivery for offline users and delivery notification

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

**S6-212260 Missing information table for the notification message**

 *Type: CR For: Agreement
 23.282 v17.8.0 CR-0288 Cat: F (Rel-17)

 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Missing information table for the notification message

**Decision:** The document was **revised to S6-212387**.

**S6-212387 Missing information table for the notification message**

 *Type: CR For: Agreement
 23.282 v17.8.0 CR-0288 rev 1 Cat: F (Rel-17)

 Source: AT&T GNS Belgium SPRL*

(Replaces S6-212260)

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

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

### 7.6 EDGEAPP - Architecture for enabling Edge Applications

**S6-212217 ECS ID definition**

 *Type: CR For: (not specified)
 23.558 v17.1.0 CR-0049 Cat: F (Rel-17)

 Source: Ericsson*

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

**S6-212218 Unique EAS ID**

 *Type: CR For: (not specified)
 23.558 v17.1.0 CR-0050 Cat: F (Rel-17)

 Source: Ericsson*

**Discussion:**

Ericsson presented the contribution and a draft thereof during the CC6.

Samsung was not in favour of creating a new ID.

Huawei agreed with Samsung and did not support the creation of a new ID.

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

**S6-212227 Add an abbreviation for EEL**

 *Type: CR For: (not specified)
 23.558 v17.1.0 CR-0051 Cat: D (Rel-17)

 Source: Samsung*

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

**S6-212233 Modifying the functional Entity description for EEC, ECS and EES**

 *Type: CR For: (not specified)
 23.558 v17.1.0 CR-0052 Cat: D (Rel-17)

 Source: Samsung*

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

**S6-212239 Modifying the functional Entity description for EEC and ECS**

 *Type: CR For: (not specified)
 23.558 v17.1.0 CR-0053 Cat: D (Rel-17)

 Source: Samsung*

**Decision:** The document was **revised to S6-212412**.

**S6-212412 Modifying the functional Entity description for EEC and ECS**

 *Type: CR For: -
 23.558 v17.1.0 CR-0053 rev 1 Cat: D (Rel-17)

 Source: Samsung*

(Replaces S6-212239)

**Discussion:**

The draft S6-212412 rev 1 was considered during the closing call.

Huawei pointed out a mistake in the CR and suggested removing proposed changes to clause 8.8 service continuity.

The only changes to the draft S6-212412 rev 1 are removing the proposed changes to clause 8.8 service continuity.

**Decision:** The document was **revised to S6-212461**.

**S6-212461 Modifying the functional Entity description for EEC and ECS**

 *Type: CR For: -
 23.558 v17.1.0 CR-0053 rev 2 Cat: D (Rel-17)

 Source: Samsung*

(Replaces S6-212412)

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

**S6-212439 Modifying the functional Entity description for EEC and ECS**

 *Type: CR For: -
 23.558 v17.1.0 CR-0053 rev 2 Cat: D (Rel-17)

 Source: Samsung*

(Replaces S6-212412)

**Decision:** The document was **withdrawn**.

**S6-212249 List of subscriptions to the CN in EEC context**

 *Type: CR For: (not specified)
 23.558 v17.1.0 CR-0054 Cat: F (Rel-17)

 Source: Samsung*

**Decision:** The document was **revised to S6-212410**.

**S6-212410 List of subscriptions to the CN in EEC context**

 *Type: CR For: -
 23.558 v17.1.0 CR-0054 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-212249)

**Discussion:**

The draft S6-212410 rev 2 was considered and agreed to during the closing call.

**Decision:** The document was **revised to S6-212462**.

**S6-212462 List of subscriptions to the CN in EEC context**

 *Type: CR For: -
 23.558 v17.1.0 CR-0054 rev 2 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-212410)

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

**S6-212251 Addition of a list of requested ECSPs to the service provisioning request**

 *Type: discussion For: Information
 Source: Apple GmbH*

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

**S6-212252 Addition of Requested ECSPs to the service provisioning request**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0055 Cat: F (Rel-17)

 Source: Apple GmbH*

**Abstract:**

A new Requested ECSPs IE is added as a separate parameter to the Service Provisioning Request, Service Provisioning Subscription Request and Service Provisioning Subscription Update Request.

**Decision:** The document was **revised to S6-212369**.

**S6-212369 Addition of Requested ECSPs to the service provisioning request**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0055 rev 1 Cat: F (Rel-17)

 Source: Apple GmbH*

(Replaces S6-212252)

**Discussion:**

The draft S6-212369 was considered during the closing call.

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

**S6-212308 Cancellation Support in ACR**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0042 rev 2 Cat: F (Rel-17)

 Source: Huawei, HiSilicon, China Mobile, China Telecom, CATT*

(Replaces S6-212123)

**Abstract:**

Proposal for Cancellation Support in ACR

**Discussion:**

The draft S6-212308 was considered during the closing call.

Concerns from Huawei.

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

**S6-212309 ACR identification**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0043 rev 2 Cat: F (Rel-17)

 Source: Huawei, HiSilicon, China Mobile, China Telecom, CATT*

(Replaces S6-212124)

**Abstract:**

Proposal for ACR identification

**Discussion:**

The draft S6-212309 was considered during the closing call.

Concerns from Huawei.

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

**S6-212310 Adding DNN/S-NSSAI information in EAS profile**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0056 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Adding DNN/S-NSSAI information in EAS profile

**Discussion:**

Huawei presented the contribution during the CC6.

**Decision:** The document was **revised to S6-212413**.

**S6-212413 Adding DNN/S-NSSAI information in EAS profile**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0056 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212310)

**Discussion:**

The draft S6-212413 rev 1 was considered during the closing call.

Further discussion required.

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

**S6-212311 Correction on ACR failure alleviation mechanisms**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0057 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction on ACR failure alleviation mechanisms

**Discussion:**

Huawei presented a draft Rev1 of the contribution during CC9.

**Decision:** The document was **revised to S6-212414**.

**S6-212414 Correction on ACR failure alleviation mechanisms**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0057 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212311)

**Discussion:**

The draft S6-212414 rev 1 was considered during the closing call.

Ericsson still had some concerns and noted draft rev1 changed the original meaning of the existing alternative.

Finally the only change to S6-212414 rev 1 was replacing "..with service continuity.." with "..with EAS service continuity.."

**Decision:** The document was **revised to S6-212463**.

**S6-212463 Correction on ACR failure alleviation mechanisms**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0057 rev 2 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212414)

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

**S6-212312 Correction on ACR information subscription request**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0058 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction on ACR information subscription request

**Decision:** The document was **revised to S6-212415**.

**S6-212415 Correction on ACR information subscription request**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0058 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212312)

**Discussion:**

The draft S6-212415 rev 2 was considered and agreed to during the closing call.

**Decision:** The document was **revised to S6-212464**.

**S6-212464 Correction on ACR information subscription request**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0058 rev 2 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212415)

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

**S6-212313 Correction on EASID description**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0059 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction on EASID description

**Discussion:**

The draft S6-212313 rev 3 was considered during the closing call.

Qualcomm suggested removing the examples (video.asp1.com, video.asp2).

Samsung agreed with the view of Qualcomm.

Huawei was of the view the examples were necessary for correct understanding.

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

**S6-212314 Correction on connectivity information**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0060 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction on connectivity information

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

**S6-212315 Resolving the mismatch of selected ACR scenario between EEC and EAS**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0061 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Resolving the mismatch of selected ACR scenario between EEC and EAS

**Discussion:**

The draft S6-212315 rev 1 was considered during the closing call.

Ericsson was of the view that further discussion was required in Rel-18.

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

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

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

**S6-212348 Missing API on Realtime UAV status**

 *Type: CR For: Agreement
 23.255 v17.1.0 CR-0018 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Missing API on Realtime UAV status

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

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

**S6-212214 Corrections to network slice adaptation**

 *Type: CR For: Approval
 23.434 v17.3.0 CR-0082 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212408**.

**S6-212408 Corrections to network slice adaptation**

 *Type: CR For: Approval
 23.434 v17.3.0 CR-0082 rev 1 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

(Replaces S6-212214)

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

## 8 Rel-17 Work Items with Exception

### 8.1 5GMARCH - Application Architecture for MSGin5G Service

**S6-212228 Remove ENs with no actions in clause 5**

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

 Source: Huawei, Hisilicon*

**Discussion:**

Huawei presented the contribution during the CC1.

Samsung did not agree with just removing the EN and noted they did not know how stage 3 could develop a solution without information on the ref point in question.

AT&T agreed with the view of Samsung.

**Decision:** The document was **revised to S6-212365**.

**S6-212365 Remove ENs with no actions in clause 5**

 *Type: CR For: Approval
 23.554 v17.0.1 CR-0001 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212228)

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

**S6-212229 Corrections in clause 7**

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

 Source: Huawei, Hisilicon*

**Discussion:**

The contribution was discussed during the CC1.

Samsung did not agree with the proposed NOTE.

**Decision:** The document was **revised to S6-212366**.

**S6-212366 Corrections in clause 7**

 *Type: CR For: Approval
 23.554 v17.0.1 CR-0002 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212229)

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

**S6-212230 Remove EN in clause 9**

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

 Source: Huawei, Hisilicon*

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

**S6-212283 Add definition of MSGin5G Server address**

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

 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212438**.

**S6-212438 Add definition of MSGin5G Server address**

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

 Source: China Mobile Com. Corporation*

(Replaces S6-212283)

**Discussion:**

The draft S6-212438 rev 1 was considered and agreed to during the closing call.

**Decision:** The document was **revised to S6-212465**.

**S6-212465 Add definition of MSGin5G Server address**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0004 rev 2 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

(Replaces S6-212438)

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

**S6-212284 Correction on clause 5.3.2.2 target resolution**

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

 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212440**.

**S6-212440 Correction on clause 5.3.2.2 target resolution**

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

 Source: China Mobile Com. Corporation*

(Replaces S6-212284)

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

**S6-212287 Correction on message delivery procedure to Message Gateway**

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

 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212441**.

**S6-212441 Correction on message delivery procedure to Message Gateway**

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

 Source: China Mobile Com. Corporation*

(Replaces S6-212287)

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

**S6-212288 Editorial of MSGin5G**

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

 Source: China Mobile Com. Corporation*

**Discussion:**

The draft S6-212288 rev 1 was considered and agreed to during the closing call.

**Decision:** The document was **revised to S6-212466**.

**S6-212466 Editorial of MSGin5G**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0007 rev 1 Cat: D (Rel-17)

 Source: China Mobile Com. Corporation*

(Replaces S6-212288)

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

**S6-212289 Remove API Related EN**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0008 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212442**.

**S6-212442 Remove API Related EN**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0008 rev 1 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

(Replaces S6-212289)

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

**S6-212290 Remove ENs with no action**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0009 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

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

**S6-212292 Correction on clause 8.3.3**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0010 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212443**.

**S6-212443 Correction on clause 8.3.3**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0010 rev 1 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

(Replaces S6-212292)

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

**S6-212293 Correction on clause 8.7.5**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0011 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212444**.

**S6-212444 Correction on clause 8.7.5**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0011 rev 1 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

(Replaces S6-212293)

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

**S6-212297 5GMARCH\_CR\_SEAL Group Deletion procedure**

 *Type: CR For: Agreement
 23.434 v17.3.0 CR-0083 Cat: F (Rel-17)

 Source: Samsung*

**Decision:** The document was **revised to S6-212448**.

**S6-212448 5GMARCH\_CR\_SEAL Group Deletion procedure**

 *Type: CR For: Agreement
 23.434 v17.3.0 CR-0083 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-212297)

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

**S6-212351 5GMARCH store and forward**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0012 Cat: F (Rel-17)

 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-212371**.

**S6-212371 5GMARCH store and forward**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0012 rev 1 Cat: F (Rel-17)

 Source: Convida Wireless LLC*

(Replaces S6-212351)

**Discussion:**

The draft S6-212371 rev 4 was considered and agreed to during the closing call.

**Decision:** The document was **revised to S6-212467**.

**S6-212467 5GMARCH store and forward**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0012 rev 2 Cat: F (Rel-17)

 Source: Convida Wireless LLC*

(Replaces S6-212371)

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

**S6-212355 5GMARCH Store and forward**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0013 Cat: F (Rel-17)

 Source: Convida Wireless*

**Decision:** The document was **withdrawn**.

## 9 Rel-18 Work Items

### 9.1 FFAPP - Application layer support for Factories of the Future (FF)

**S6-212231 Proposed TS skeleton for Application layer support for Factories of the Future (FF)**

 *Type: pCR For: Approval
 23.545 v0.0.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-212388**.

**S6-212388 Proposed TS skeleton for Application layer support for Factories of the Future (FF)**

 *Type: pCR For: Approval
 23.545 v0.0.0
 Source: ZTE Corporation*

(Replaces S6-212231)

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

**S6-212232 FFAPP Introduction**

 *Type: pCR For: Approval
 23.545 v0.0.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-212389**.

**S6-212389 FFAPP Introduction**

 *Type: pCR For: Approval
 23.545 v0.0.0
 Source: ZTE Corporation*

(Replaces S6-212232)

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

**S6-212234 FFAPP Scope**

 *Type: pCR For: Approval
 23.545 v0.0.0
 Source: ZTE Corporation*

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

**S6-212235 FFAPP Architectural requirements**

 *Type: pCR For: Approval
 23.545 v0.0.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-212390**.

**S6-212390 FFAPP Architectural requirements**

 *Type: pCR For: Approval
 23.545 v0.0.0
 Source: ZTE Corporation*

(Replaces S6-212235)

**Discussion:**

The draft S6-212390 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212468**.

**S6-212468 FFAPP Architectural requirements**

 *Type: pCR For: Approval
 23.545 v0.0.0
 Source: ZTE Corporation*

(Replaces S6-212390)

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

### 9.2 MCOver5MBS - Mission Critical Services over 5MBS

**S6-212240 5G MBS session configuration and service announcement**

 *Type: CR For: Approval
 23.289 v17.0.0 CR-0001 Cat: B (Rel-18)

 Source: CBN*

**Abstract:**

Introduce Sol#10 of TS 23.783 in TS 23.289.

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

**S6-212245 MBS architectural and functionalities**

 *Type: CR For: Approval
 23.289 v17.0.0 CR-0002 Cat: B (Rel-18)

 Source: CBN*

**Abstract:**

Introduce Architectural and functional description of TS 23.783 in TS 23.289.

**Decision:** The document was **revised to S6-212436**.

**S6-212436 MBS architectural and functionalities**

 *Type: CR For: Approval
 23.289 v17.0.0 CR-0002 rev 1 Cat: B (Rel-18)

 Source: CBN*

(Replaces S6-212245)

**Discussion:**

The draft S6-212436 rev 1 was considered during the closing call.

AT&T objected to the proposal unless adding an editor's (in clause 5) as follows:

"EN: The issue of MC service server operating via MBSF/MBSTF and associated architectural figures need to be addressed."

UIC suggested addressing the EN issue in the study (i.e. R 23.783) and also noted the terminology should be in 5GS style as opposed to EPS.

CATT noted MBSF/MBSTF only required for service mode, not transport only mode.

Huawei suggested adding this EN in the TR first and complete the related work there.

Motorola Solutions also requested including the EN as suggested by AT&T.

Also Ericsson supported the EN.

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

**S6-212326 Procedure for pre-established MBS session configuration and service announcement**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0003 Cat: B (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Procedure for pre-established MBS session configuration and service announcement

**Decision:** The document was **revised to S6-212423**.

**S6-212423 Procedure for MBS session configuration and service announcement**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0003 rev 1 Cat: B (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212326)

**Discussion:**

The draft S6-212423 rev 1 was considered during the closing call.

UIC did not agree with adding this proposal into this specification.

Motorola Solutions agreed with UIC noting TS 23.289 is only for delta.

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

**S6-212327 MBS session release and de-announcement**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0004 Cat: B (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for MBS session release and de-announcement

**Decision:** The document was **revised to S6-212424**.

**S6-212424 MBS session release**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0004 rev 1 Cat: B (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212327)

**Discussion:**

The draft S6-212424 rev 2 was considered and agreed to during the closing call.

**Decision:** The document was **revised to S6-212469**.

**S6-212469 MBS session release**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0004 rev 2 Cat: B (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212424)

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

**S6-212328 Server triggered UE leave multicast MBS session**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0005 Cat: B (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Server triggered UE leave multicast MBS session

**Decision:** The document was **revised to S6-212425**.

**S6-212425 Server triggered UE(s) leaves a group operation which is using MBS session**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0005 rev 1 Cat: B (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212328)

**Discussion:**

The draft S6-212425 rev 1 was considered during the closing call.

Ericsson still had concerns with the proposal.

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

**S6-212329 Selection of multicast and broadcast service for a group communication**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0006 Cat: B (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Selection of multicast and broadcast service for a group communication

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

**S6-212330 MC service data distribution over 5G MBS**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0007 Cat: B (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for MC service data distribution over 5G MBS

**Decision:** The document was **revised to S6-212426**.

**S6-212426 MC service media distribution over 5G MBS**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0007 rev 1 Cat: B (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212330)

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

**S6-212331 Call connect and disconnect over 5G MBS in MCPTT context**

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

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Call connect and disconnect over 5G MBS in MCPTT context

**Decision:** The document was **revised to S6-212427**.

**S6-212427 Call connect and disconnect over 5G MBS in MCPTT context**

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

 Source: Huawei, Hisilicon*

(Replaces S6-212331)

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

**S6-212332 Call connect and disconnect over 5G MBS in MCVideo context**

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

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Call connect and disconnect over 5G MBS in MCVideo context

**Decision:** The document was **revised to S6-212428**.

**S6-212428 Call connect and disconnect over 5G MBS in MCVideo context**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0009 rev 1 Cat: B (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212332)

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

**S6-212333 Service continuity between 5G MBS delivery and unicast delivery**

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

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Service continuity between 5G MBS delivery and unicast delivery

**Decision:** The document was **revised to S6-212429**.

**S6-212429 Service continuity between 5G MBS delivery and unicast delivery**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0010 rev 1 Cat: B (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212333)

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

### 9.3 MCGWUE - Gateway UE function for Mission Critical Communication

**S6-212255 Addition of definitions and introduction related to MC Gateway UE**

 *Type: CR For: (not specified)
 23.280 v17.8.0 CR-0298 Cat: B (Rel-18)

 Source: Samsung, Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S6-212383**.

**S6-212383 Addition of definitions and introduction related to MC Gateway UE**

 *Type: CR For: -
 23.280 v17.8.0 CR-0298 rev 1 Cat: B (Rel-18)

 Source: Samsung, Nokia, Nokia Shanghai Bell*

(Replaces S6-212255)

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

**S6-212256 Introduction of sub clauses to capture MC gateway UE function details**

 *Type: CR For: (not specified)
 23.280 v17.8.0 CR-0299 Cat: B (Rel-18)

 Source: Samsung, Nokia, Nokia Shanghai Bell, BDBOS*

**Decision:** The document was **revised to S6-212384**.

**S6-212384 Introduction of sub clauses to capture MC gateway UE function details**

 *Type: CR For: -
 23.280 v17.8.0 CR-0299 rev 1 Cat: B (Rel-18)

 Source: Samsung, Nokia, Nokia Shanghai Bell, BDBOS*

(Replaces S6-212256)

**Discussion:**

The S6-212384 was considered during the closing call.

Only change is rephrasing the EN in clause 11.3.1 to read "This clause will provide the general description of using identities for identification of MC service devices and users behind an MC gateway UE"

**Decision:** The document was **revised to S6-212495**.

**S6-212495 Introduction of sub clauses to capture MC gateway UE function details**

 *Type: CR For: -
 23.280 v17.8.0 CR-0299 rev 2 Cat: B (Rel-18)

 Source: Samsung, Nokia, Nokia Shanghai Bell, BDBOS*

(Replaces S6-212384)

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

**S6-212257 MCGWUE\_3GPP access network related location management**

 *Type: CR For: (not specified)
 23.280 v17.8.0 CR-0300 Cat: B (Rel-18)

 Source: Samsung, Nokia, Nokia Shanghai Bell, FirstNet, BDBOS, AT&T*

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

**S6-212305 MCGWUE\_MBMS support for MC clients residing on non-3GPP devices**

 *Type: CR For: (not specified)
 23.280 v17.8.0 CR-0301 Cat: B (Rel-18)

 Source: Samsung*

**Decision:** The document was **revised to S6-212385**.

**S6-212385 MCGWUE\_MBMS support for MC clients residing on non-3GPP devices**

 *Type: CR For: -
 23.280 v17.8.0 CR-0301 rev 1 Cat: B (Rel-18)

 Source: Samsung*

(Replaces S6-212305)

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

## 10 Rel-18 Study Items

### 10.1 FS\_MCOver5GS - Study on Mission Critical Services support over 5G System

**S6-212194 Pseudo-CR on 5G MBS impacts on MC service functional models**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Union Inter. Chemins de Fer*

**Decision:** The document was **revised to S6-212363**.

**S6-212363 Pseudo-CR on 5G MBS impacts on MC service functional models**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Union Inter. Chemins de Fer*

(Replaces S6-212194)

**Discussion:**

The draft S6-212363 rev 2 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212491**.

**S6-212491 Pseudo-CR on 5G MBS impacts on MC service functional models**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Union Inter. Chemins de Fer*

(Replaces S6-212363)

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

**S6-212237 Conclusion for Application architecture and functionality description**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: CBN*

**Abstract:**

This pCR is proposed to provide the conclusion for Application architecture and functionality description.

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

**S6-212238 Conclusion for 5G MBS session configuration and service announcement**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: CBN*

**Abstract:**

This pCR is proposed to provide the conclusion for 5G MBS session configuration & service announcement.

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

**S6-212262 Pseudo-CR on update solution 25 related to MBS session update aspects**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212375**.

**S6-212375 Pseudo-CR on update solution 25 related to MBS session update aspects**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

(Replaces S6-212262)

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

**S6-212263 Pseudo-CR on multicast MBS session activation and deactivation aspects for group communications**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

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

**S6-212264 Pseudo-CR on Inter-system mobility between LTE and 5G**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212376**.

**S6-212376 Pseudo-CR on Inter-system mobility between LTE and 5G**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

(Replaces S6-212264)

**Discussion:**

The draft S6-212376 rev 2 was considered during the closing call.

Huawei noted that their concerns were not fully solved in rev 2.

The only change on top of draft rev 2 is, adding an EN in step 3 of all procedures, stating "How MC Service server can determine inter system mobility using location reports is FFS".

**Decision:** The document was **revised to S6-212492**.

**S6-212492 Pseudo-CR on Inter-system mobility between LTE and 5G**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

(Replaces S6-212376)

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

**S6-212265 update solution 10 related to MBS session configuration and service announcement**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

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

**S6-212267 Pseudo-CR on update solution 11 related to MC service group data transmission over 5G MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

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

**S6-212268 Pseudo-CR on Service continuity for broadcast and multicast MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

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

**S6-212269 Pseudo-CR on overall evaluation**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212378**.

**S6-212378 Pseudo-CR on overall evaluation**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

(Replaces S6-212269)

**Discussion:**

The draft S6-212378 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212470**.

**S6-212470 Pseudo-CR on overall evaluation**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson, Huawei*

(Replaces S6-212378)

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

**S6-212270 Pseudo-CR on Conclusions**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212379**.

**S6-212379 Pseudo-CR on Conclusions**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

(Replaces S6-212270)

**Discussion:**

The draft S6-212379 rev 2 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212471**.

**S6-212471 Pseudo-CR on Conclusions**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson, CBN, Huawei*

(Replaces S6-212379)

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

**S6-212271 Pseudo-CR on update solution 24 related to 5G MBS session release aspects**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212381**.

**S6-212381 Pseudo-CR on update solution 24 related to 5G MBS session release aspects**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

(Replaces S6-212271)

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

**S6-212272 Pseudo-CR on update KI#13**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Ericsson*

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

**S6-212334 Conclusion for MBS session release and de-announcement**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Conclusion for MBS session release and de-announcement

**Decision:** The document was **revised to S6-212430**.

**S6-212430 Update to solution#28**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Huawei, Hisilicon*

(Replaces S6-212334)

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

**S6-212335 Conclusion for Server triggered UE leave multicast MBS session**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Conclusion for Server triggered UE leave multicast MBS session

**Decision:** The document was **revised to S6-212431**.

**S6-212431 Conclusion for MCOver5MBS**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Huawei, Hisilicon*

(Replaces S6-212335)

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

**S6-212336 Conclusion for Multicast/broadcast selection**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Conclusion for Multicast/broadcast selection

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

**S6-212337 Conclusion for MC service data distribution over 5G MBS session**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Conclusion for MC service data distribution over 5G MBS session

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

**S6-212338 Conclusion for Call connect and disconnect over 5G MBS in MCPTT**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Conclusion for Call connect and disconnect over 5G MBS in MCPTT

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

**S6-212339 Conclusion for Call connect and disconnect over 5G MBS in MCVideo**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Conclusion for Call connect and disconnect over 5G MBS in MCVideo

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

**S6-212340 Conclusion for Service continuity between 5G MBS delivery and unicast delivery**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Conclusion for Service continuity between 5G MBS delivery and unicast delivery

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

**S6-212341 Overall evaluations for MBS solutions**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Overall evaluations for MBS solutions

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

**S6-212342 Conclusions for ProSe solutions**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Conclusions for ProSe solutions

**Discussion:**

The draft S6-212342 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212472**.

**S6-212472 Conclusions for ProSe solutions**

 *Type: pCR For: Approval
 23.783 v1.6.0
 Source: Huawei, Hisilicon*

(Replaces S6-212342)

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

### 10.2 FS\_MCGWUE - Study of Gateway UE function for Mission Critical Communication

### 10.3 FS\_IRail - Study of Interconnection and Migration Aspects for Railways

**S6-212196 Pseudo-CR solution for key issue 1 on optimizing the connectivity between MC systems**

 *Type: pCR For: Approval
 23.700-90 v1.0.0
 Source: UIC (Union Inter. Chemins de Fer), Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S6-212364**.

**S6-212364 Pseudo-CR solution for key issue 1 on optimizing the connectivity between MC systems**

 *Type: pCR For: Approval
 23.700-90 v1.0.0
 Source: UIC (Union Inter. Chemins de Fer), Nokia, Nokia Shanghai Bell*

(Replaces S6-212196)

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

**S6-212236 Removal of editor’s note in clause 7.2.1**

 *Type: pCR For: Approval
 23.700-90 v1.0.0
 Source: BDBOS, Nokia, Nokia Shanghai Bell*

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

**S6-212253 Private call end-to-end encryption**

 *Type: pCR For: Approval
 23.700-90 v1.0.0
 Source: Nokia, Nokia Shanghai Bell, BDBOS*

**Abstract:**

This contributions resolves the editor’s notes by indicating that end-to-end encryption is not supported when the target address is a functional alias.

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

**S6-212254 Use of the same functional alias in multiple MC systems**

 *Type: pCR For: Approval
 23.700-90 v1.0.0
 Source: Nokia, Nokia Shanghai Bell, BDBOS*

**Abstract:**

This contributions clarifies that the same functional alias cannot be used in multiple MC systems.

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

**S6-212258 Pseudo-CR on Private call using functional alias towards a partner MC system**

 *Type: pCR For: Approval
 23.700-90 v1.0.0
 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Private call using functional alias towards a partner MC system

**Decision:** The document was **revised to S6-212386**.

**S6-212386 Pseudo-CR on Private call using functional alias towards a partner MC system**

 *Type: pCR For: Approval
 23.700-90 v1.0.0
 Source: AT&T GNS Belgium SPRL*

(Replaces S6-212258)

**Discussion:**

The draft S6-212386 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212473**.

**S6-212473 Pseudo-CR on Private call using functional alias towards a partner MC system**

 *Type: pCR For: Approval
 23.700-90 v1.0.0
 Source: AT&T*

(Replaces S6-212386)

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

### 10.4 FS\_NSCALE - Study on Network Slice Capability Exposure for Application Layer Enablement

**S6-212202 correction of references**

 *Type: pCR For: (not specified)
 23.700-99 v0.2.0
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

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

**S6-212203 Add solutions of performance and analytics exposure**

 *Type: pCR For: (not specified)
 23.700-99 v0.2.0
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **revised to S6-212394**.

**S6-212394 Add solutions of performance and analytics exposure**

 *Type: pCR For: -
 23.700-99 v0.2.0
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-212203)

**Discussion:**

The draft S6-212394 rev 2 was considered and agreed to during the closing call.

Concerns from DT.

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

**S6-212204 Add solutions of fault management**

 *Type: pCR For: (not specified)
 23.700-99 v0.2.0
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **revised to S6-212393**.

**S6-212393 Add solutions of fault management**

 *Type: pCR For: -
 23.700-99 v0.2.0
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-212204)

**Discussion:**

The draft S6-212393 rev 2 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212474**.

**S6-212474 Add solutions of fault management**

 *Type: pCR For: -
 23.700-99 v0.2.0
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-212393)

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

**S6-212205 Add examples of KQI translation**

 *Type: pCR For: (not specified)
 23.700-99 v0.2.0
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Discussion:**

Huawei presented the S6-212205 during CC#4.

Amongst others the following topics were discussed:

 - rule and relationship between SEAL server and Vertical Application specific server,

 - relationship between SA2 provided similar features for slice analytics and NSCE layer and

 - business relationship importance for SEAL deployment by non-PLMN.

Deutsche Telekom suggested further clarifying the application and communication layer latency.

**Decision:** The document was **revised to S6-212392**.

**S6-212392 Add examples of KQI translation**

 *Type: pCR For: -
 23.700-99 v0.2.0
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-212205)

**Discussion:**

The draft S6-212392 was considered during the closing call.

Concerns from DT>

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

**S6-212209 Pseudo-CR on Application layer support aspect requirements**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212404**.

**S6-212404 Pseudo-CR on Application layer support aspect requirements**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212209)

**Discussion:**

The draft S6-212404 was considered and agreed to during the closing call.

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

**S6-212210 Pseudo-CR on mapping of solutions to key issues**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: China Mobile Com. Corporation*

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

**S6-212211 new KI on configuration information provision**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212405**.

**S6-212405 new KI on configuration information provision**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212211)

**Discussion:**

The S6-212405 was considered during the closing call.

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

**S6-212212 Pseudo-CR on new KI on enhanced network slice adaptation**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212406**.

**S6-212406 Pseudo-CR on new KI on enhanced network slice adaptation**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212212)

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

**S6-212213 Pseudo-CR on service based representation of application architecture**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: China Mobile Com. Corporation*

**Discussion:**

China Mobile Com presented the draft S6-212213 Rev-1 contribution during the CC#4.

Samsung suggested updating the eSEAL WID to take on board the service based representation.

Deutsche Telekom supported the proposal in general but suggested making a list of the representations.

**Decision:** The document was **revised to S6-212407**.

**S6-212407 Pseudo-CR on service based representation of application architecture**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212213)

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

**S6-212276 Key Issue on slice continuity support**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This paper proposes a new key for supporting slice continuity in scenarios where UEs are moving towards an area where the current slice is not supported (or is not preferable).

**Decision:** The document was **revised to S6-212399**.

**S6-212399 Key Issue on slice continuity support**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: Lenovo, Motorola Mobility*

(Replaces S6-212276)

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

**S6-212277 Solution to KI #8 on API translation**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This paper proposes a solution for key issue #8 on requirements/API translation at the slice capability exposure/enabler layer.

**Decision:** The document was **revised to S6-212400**.

**S6-212400 Solution to KI #8 on API translation**

 *Type: pCR For: Approval
 23.700-99 v0.2.0
 Source: Lenovo, Motorola Mobility*

(Replaces S6-212277)

**Discussion:**

The S6-212400 was considered and agreed to during the closing call.

Qualcomm did not understand the value of the proposal but did not object.

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

### 10.5 FS\_SNAAPP - Study on application enablement aspects for subscriber-aware northbound API access

**S6-212242 Mapping of Solutions to Key Issues**

 *Type: pCR For: Approval
 23.700-95 v0.2.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes the mapping of the solutions approved in SA6#45-e to key issues.

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

**S6-212243 Obtaining user consent via CAPIF-8**

 *Type: pCR For: Approval
 23.700-95 v0.2.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a procedure to obtain user consent via CAPIF-8 reference point.

**Discussion:**

NTT DOCOMO presented the draft S6-212243 Rev-1 contribution during CC#4.

Huawei suggested deleting the 2 editor's notes beneath figure 6.x.1.2-1. they further suggested rephrasing the storing response as the stored response cannot be re-used, or would need to be further detailed. They also suggested rephrasing the "suspended" in step 4.

**Decision:** The document was **revised to S6-212457**.

**S6-212457 Obtaining user consent via CAPIF-8**

 *Type: pCR For: Approval
 23.700-95 v0.2.0
 Source: NTT DOCOMO*

(Replaces S6-212243)

**Discussion:**

The draft S6-212457 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212475**.

**S6-212475 Obtaining user consent via CAPIF-8**

 *Type: pCR For: Approval
 23.700-95 v0.2.0
 Source: NTT DOCOMO, Deutsche Telekom*

(Replaces S6-212457)

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

**S6-212244 UE obtaining onboarding enrolment information**

 *Type: pCR For: Approval
 23.700-95 v0.2.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a solution for a UE-side API invoker to obtain onboarding enrolment information.

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

**S6-212299 pCR-SNAPP-Solution to KI#4**

 *Type: pCR For: Approval
 23.700-95 v0.2.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212449**.

**S6-212449 pCR-SNAPP-Solution to KI#4**

 *Type: pCR For: Approval
 23.700-95 v0.2.0
 Source: Samsung*

(Replaces S6-212299)

**Discussion:**

The draft S6-212449 was considered during the closing call.

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

### 10.6 FS\_ACE\_IOT - Study on Application Capability Exposure for IoT Platforms

**S6-212300 Pseudo-CR on solution for KI#2 - Application server monitoring and control of traffic**

 *Type: pCR For: Approval
 23.700-97 v0.2.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212450**.

**S6-212450 Pseudo-CR on solution for KI#2 - Application server monitoring and control of traffic**

 *Type: pCR For: Approval
 23.700-97 v0.2.0
 Source: Samsung*

(Replaces S6-212300)

**Discussion:**

The draft S6-212450 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212476**.

**S6-212476 Pseudo-CR on solution for KI#2 - Application server monitoring and control of traffic**

 *Type: pCR For: Approval
 23.700-97 v0.2.0
 Source: Samsung*

(Replaces S6-212450)

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

**S6-212352 Device Triggering KI**

 *Type: pCR For: Agreement
 23.700-97 v0.2.0
 Source: Convida Wireless LLC*

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

**S6-212353 Configuration of Traffic Patterns KI**

 *Type: pCR For: Agreement
 23.700-97 v0.2.0
 Source: Convida Wireless*

**Decision:** The document was **revised to S6-212372**.

**S6-212372 Configuration of Traffic Patterns KI**

 *Type: pCR For: Agreement
 23.700-97 v0.2.0
 Source: Convida Wireless*

(Replaces S6-212353)

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

**S6-212354 NIDD configuration KI**

 *Type: pCR For: Agreement
 23.700-97 v0.2.0
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-212373**.

**S6-212373 NIDD configuration KI**

 *Type: pCR For: Agreement
 23.700-97 v0.2.0
 Source: Convida Wireless LLC*

(Replaces S6-212354)

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

### 10.7 FS\_5GFLS - Study on 5G-enabled fused location service capability exposure

**S6-212295 Pseudo-CR on functional architecture update in solution #1**

 *Type: pCR For: Approval
 23.700-96 v0.2.0
 Source: CATT*

**Abstract:**

This contribution updates the functional architecture descriptions in solution #1.

**Decision:** The document was **revised to S6-212395**.

**S6-212395 Pseudo-CR on functional architecture update in solution #1**

 *Type: pCR For: Approval
 23.700-96 v0.2.0
 Source: CATT*

(Replaces S6-212295)

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

**S6-212296 Pseudo-CR on new key issue on initialization and configuration for location service**

 *Type: pCR For: Approval
 23.700-96 v0.2.0
 Source: CATT*

**Abstract:**

This contribution addresses new key issue on initialization and configuration for location service.

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

**S6-212298 Pseudo-CR on update to KI#1**

 *Type: pCR For: Approval
 23.700-96 v0.2.0
 Source: CATT*

**Abstract:**

This contribution updates the key issue#1.

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

**S6-212302 Pseudo-CR on solution for KI#1 - Functional architecture for fused location service leveraging SEAL**

 *Type: pCR For: Approval
 23.700-96 v0.2.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212452**.

**S6-212452 Pseudo-CR on solution for KI#1 - Functional architecture for fused location service leveraging SEAL**

 *Type: pCR For: Approval
 23.700-96 v0.2.0
 Source: Samsung*

(Replaces S6-212302)

**Discussion:**

The draft S6-212452 rev 1 was considered during the closing call.

CATT suggested removing the descriptions of the two interfaces (LM-UU and LM-S).

Samsung was of the view that the LM-UU and LM-S were in line with TS 23.434.

CATT remarked that if the descriptions are in line with TS 23.434 then they are not needed here.

Qualcomm suggested rephrasing descriptions by "Reference point as per TS 23.434".

Finally the only changes (on top of the draft rev 1) are replacing LM-Uu and LM-S descriptions as follows:

LM-Uu Reference point as per TS 23.434 [xy]

LM-S Reference point as per TS 23.434 [xy]

**Decision:** The document was **revised to S6-212477**.

**S6-212477 Pseudo-CR on solution for KI#1 - Functional architecture for fused location service leveraging SEAL**

 *Type: pCR For: Approval
 23.700-96 v0.2.0
 Source: Samsung, Qualcomm*

(Replaces S6-212452)

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

### 10.8 FS\_eEDGEAPP - Study on enhanced Application Architecture for enabling Edge Applications

**S6-212206 Pseudo-CR on correction of the referenced clause of Session with QoS create**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: China Mobile Com. Corporation*

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

**S6-212207 Pseudo-CR on correction of the precondition of the push server address**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: China Mobile Com. Corporation*

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

**S6-212208 Pseudo-CR on new KI on EEL service differentiation framework**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212402**.

**S6-212402 Pseudo-CR on new KI on EEL service differentiation framework**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212208)

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

**S6-212219 New KI Energy efficient communication in EC**

 *Type: pCR For: (not specified)
 23.700-98 v0.2.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212445**.

**S6-212445 New KI Energy efficient communication in EC**

 *Type: pCR For: -
 23.700-98 v0.2.0
 Source: Ericsson*

(Replaces S6-212219)

**Discussion:**

The draft S6-212445 rev 1 was considered and approved to during the closing call (with the following changes).

The only changes on top of rev 1 are:

 - deleting the "there is no description for EDGE-1 and EDGE-4 reference points that may support light weighted EEC/EES/ECS function."

 - replacing "..can be improved to reduce power consumption.." with "..e.g. can be improved to reduce power consumption.."

**Decision:** The document was **revised to S6-212479**.

**S6-212479 New KI Energy efficient communication in EC**

 *Type: pCR For: -
 23.700-98 v0.2.0
 Source: Ericsson*

(Replaces S6-212445)

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

**S6-212220 New KI Application traffic coordination with 3GPP UP connectivity**

 *Type: pCR For: (not specified)
 23.700-98 v0.2.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212446**.

**S6-212446 New KI Application traffic coordination with 3GPP UP connectivity**

 *Type: pCR For: -
 23.700-98 v0.2.0
 Source: Ericsson*

(Replaces S6-212220)

**Discussion:**

The draft S6-212446 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212480**.

**S6-212480 New KI Application traffic coordination with 3GPP UP connectivity**

 *Type: pCR For: -
 23.700-98 v0.2.0
 Source: Ericsson*

(Replaces S6-212446)

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

**S6-212226 EEC triggering for service provisioning**

 *Type: pCR For: (not specified)
 23.700-98 v0.2.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212403**.

**S6-212403 EEC triggering for service provisioning**

 *Type: pCR For: -
 23.700-98 v0.2.0
 Source: Samsung*

(Replaces S6-212226)

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

**S6-212241 Deployment scenarios for roaming**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes two different deployment scenarios for roaming.

**Decision:** The document was **revised to S6-212456**.

**S6-212456 Deployment scenarios for roaming**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: NTT DOCOMO, , Deutsche Telekom*

(Replaces S6-212241)

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

**S6-212246 Evalutation on solution #1**

 *Type: pCR For: (not specified)
 23.700-98 v0.2.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212411**.

**S6-212411 Evalutation on solution #1**

 *Type: pCR For: -
 23.700-98 v0.2.0
 Source: Samsung*

(Replaces S6-212246)

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

**S6-212247 ECS discovery in roaming scenario**

 *Type: pCR For: (not specified)
 23.700-98 v0.2.0
 Source: Samsung*

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

**S6-212248 FS\_eEDGEAPP: EAS Dual Registration**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Intel, Nokia*

**Discussion:**

Intel presented the contribution during the CC1.

A draft Rev2 version of the contribution was presented during CC9.

**Decision:** The document was **revised to S6-212380**.

**S6-212380 FS\_eEDGEAPP: EAS Dual Registration**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Intel, Nokia*

(Replaces S6-212248)

**Discussion:**

The draft S6-212380 rev 1 was considered during the closing call.

Huawei stated they required more time to evaluate this particular scenario.

During the discussion following ENs were proposed

Editor’s Note: EES and MEC Platform registration may have different service areas and registration expiration times. The approach to handle these is FFS.

Editor’s Note: Updating KI#5 to justify that dual registration is required is FFS.

Editor’s Note: Dual application registration solution is FFS to specify as an enhancement to existing registration or an independent registration.

Editor’s Note: Performing EES registration to the MEC platform over Mp1 on behalf of the requesting EAS is FFS.

Editor’s Note: The relationship between EES registration to the MEC platform on behalf of the requesting EAS and discovery of the MEC platform endpoint by the EAS is FFS.

Editor’s Note: The registration on -behalf of EAS may need a policy in the EES and MEC platform indicating if the mechanism is allowed for a specific application.

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

**S6-212266 Pseudo-CR on Solution to Key issue #4: Information provided by the AC for service provisioning, EEC registration and EAS discovery**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Apple GmbH*

**Decision:** The document was **revised to S6-212368**.

**S6-212368 Pseudo-CR on Solution to Key issue #4: Information provided by the AC for service provisioning, EEC registration and EAS discovery**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Apple GmbH*

(Replaces S6-212266)

**Discussion:**

The draft S6-212368 rev 1 was considered during the closing call.

Qualcomm still suggested some rewordings.

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

**S6-212278 Discussion on alignment with ETSI MEC**

 *Type: discussion For: (not specified)
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This paper discusses the possible options for alignment between ETSI MEC and EDGEAPP to identify the way forward on key issue #5

**Discussion:**

Lenovo presented the contribution during the CC6.

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

**S6-212279 Solution to KI #3 on service continuity planning enhancements**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This paper proposes a solution to key issue #3 and in particular the ACR updates/modifications when the UE behaviour changes.

**Decision:** The document was **revised to S6-212401**.

**S6-212401 Solution to KI #3 on service continuity planning enhancements**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Lenovo, Motorola Mobility, Huawei*

(Replaces S6-212279)

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

**S6-212285 New solution: EAS Service API enablement using CAPIF**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: ETRI, Uangel*

**Abstract:**

This paper proposes a new solution to address the open issues of KI#2.

**Decision:** The document was **revised to S6-212367**.

**S6-212367 New solution: EAS Service API enablement using CAPIF**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: ETRI, Uangel*

(Replaces S6-212285)

**Discussion:**

The draft S6-212367 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212483**.

**S6-212483 New solution: EAS Service API enablement using CAPIF**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: ETRI, Uangel*

(Replaces S6-212367)

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

**S6-212291 New solution for enhancements to service continuity planning**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: KPN N.V.*

**Decision:** The document was **revised to S6-212374**.

**S6-212374 New solution for enhancements to service continuity planning**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: KPN N.V.*

(Replaces S6-212291)

**Discussion:**

The draft S6-212374 rev 2 was considered during the closing call.

Huawei did not think the IE was required and hence did not agree to the proposal.

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

**S6-212294 Addition of key issue pertaining to NAT deployments**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Addition of key issue pertaining to NAT deployments

**Discussion:**

Nokia presented the contribution during the CC6.

**Decision:** The document was **revised to S6-212458**.

**S6-212458 Addition of key issue pertaining to NAT deployments**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-212294)

**Discussion:**

The S6-212458 was considered during the closing call.

Huawei suggested replacing Solution with Key issue and removing reference to EAS.

The only changes are:

 - removing the EAS from second paragraph and open issue,

 - replacing "Solution X" with "Key issue X",

 - removing "such as IP address to UE ID translation" and

 - adding "EN: Whether EAS requires to be addressed in this key issue is FFS"

**Decision:** The document was **revised to S6-212482**.

**S6-212482 Addition of key issue pertaining to NAT deployments**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-212458)

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

**S6-212301 eEDGEAPP\_New KI on enabler layer support for EAS sync**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212451**.

**S6-212451 Pseudo-CR on new key issue on Enabler layer support for EAS synchronization**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Samsung*

(Replaces S6-212301)

**Discussion:**

The draft S6-212451 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212481**.

**S6-212481 Pseudo-CR on new key issue on Enabler layer support for EAS synchronization**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Samsung*

(Replaces S6-212451)

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

**S6-212307 UEs hosting multiple EECs KI**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-212370**.

**S6-212370 UEs hosting multiple EECs KI**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Convida Wireless LLC*

(Replaces S6-212307)

**Discussion:**

The draft S6-212370 was considered during the closing call.

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

**S6-212316 Discussion Paper on Gap Analysis between ETSI MEC and EDGEAPP**

 *Type: discussion For: Discussion
 23.700-98 v..
 Source: Huawei, Hisilicon*

**Abstract:**

Discussion Paper on Gap Analysis between ETSI MEC and EDGEAPP

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

**S6-212317 Annex on the gap analysis between ETSI MEC and EDGEAPP**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Annex on the gap analysis between ETSI MEC and EDGEAPP

**Decision:** The document was **revised to S6-212416**.

**S6-212416 pCR – Annex on the gap analysis between ETSI MEC and EDGEAPP**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

(Replaces S6-212317)

**Discussion:**

The draft S6-212416 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212478**.

**S6-212478 pCR – Annex on the gap analysis between ETSI MEC and EDGEAPP**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

(Replaces S6-212416)

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

**S6-212318 update to KI#5**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for update to KI#5

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

**S6-212319 Solution for KI#6 - ECS discovery through serving ECS to support edge services across ECSPs**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for KI#6 - ECS discovery through serving ECS to support edge services across ECSPs

**Decision:** The document was **revised to S6-212417**.

**S6-212417 Solution for KI#6 - ECS discovery through serving ECS to support edge services across ECSPs**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

(Replaces S6-212319)

**Discussion:**

The draft S6-212417 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212485**.

**S6-212485 Solution for KI#6 - ECS discovery through serving ECS to support edge services across ECSPs**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon, Samsung*

(Replaces S6-212417)

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

**S6-212320 Solution for KI#6 - ECS enhancement to discover EESs via other ECSs to support edge services across ECSPs**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for KI#6 - ECS enhancement to discover EESs via other ECSs to support edge services across ECSPs

**Decision:** The document was **revised to S6-212418**.

**S6-212418 Solution for KI#6 - ECS enhancement to discover EESs via other ECSs to support edge services across ECSPs**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

(Replaces S6-212320)

**Discussion:**

The draft S6-212418 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212486**.

**S6-212486 Solution for KI#6 - ECS enhancement to discover EESs via other ECSs to support edge services across ECSPs**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

(Replaces S6-212418)

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

**S6-212321 Key issue on enhancement to application context transmission**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on enhancement to application context transmission

**Discussion:**

Huawei presented a draft Rev2 of the contribution during CC9.

**Decision:** The document was **revised to S6-212419**.

**S6-212419 Key issue on enhancement to EEL support for application context transmission**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

(Replaces S6-212321)

**Discussion:**

The draft S6-212419 was considered during the closing call.

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

**S6-212322 Solution on enhancement to service continuity planning**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on enhancement to service continuity planning

**Decision:** The document was **revised to S6-212420**.

**S6-212420 Solution on enhancement to service continuity planning**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

(Replaces S6-212322)

**Discussion:**

The draft S6-212420 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212484**.

**S6-212484 Solution on enhancement to service continuity planning**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon, KPN, Ericsson*

(Replaces S6-212420)

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

**S6-212323 Solution on supporting for roaming Ues**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on supporting for roaming Ues

**Decision:** The document was **withdrawn**.

### 10.9 FS\_eUASAPP - Study on enhanced architecture for UAS Applications

**S6-212198 Proposed skeleton for 3GPP TR 23.700-55**

 *Type: draft TR For: Approval
 23.700-55 v0.0.0
 Source: InterDigital*

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

**S6-212199 Introduction for 3GPP TR 23.700-55**

 *Type: pCR For: Approval
 23.700-55 v0.0.0
 Source: InterDigital*

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

**S6-212200 Scope for 3GPP TR 23.700-55**

 *Type: pCR For: Approval
 23.700-55 v0.0.0
 Source: InterDigital*

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

### 10.10 FS\_SEALDD - Study on SEAL data delivery enabler for vertical applications

**S6-212343 Proposed skeleton for TR on Study on SEAL data delivery enabler for vertical applications**

 *Type: pCR For: Approval
 23.700-34 v0.0.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposed skeleton for TR on Study on SEAL data delivery enabler for vertical applications

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

**S6-212344 Proposal for scope**

 *Type: pCR For: Approval
 23.700-34 v0.0.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for scope

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

**S6-212345 Key issue on E2E redundant transmission**

 *Type: pCR For: Approval
 23.700-34 v0.0.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on E2E redundant transmission

**Decision:** The document was **revised to S6-212432**.

**S6-212432 Key issue on E2E redundant transmission**

 *Type: pCR For: Approval
 23.700-34 v0.0.0
 Source: Huawei, Hisilicon*

(Replaces S6-212345)

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

**S6-212346 Key issue on SEAL enabled Transport layer enhancement for UE continuity**

 *Type: pCR For: Approval
 23.700-34 v0.0.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on SEAL enabled Transport layer enhancement for UE continuity

**Decision:** The document was **revised to S6-212433**.

**S6-212433 Key issue on SEAL enabled Transport layer enhancement for UE continuity**

 *Type: pCR For: Approval
 23.700-34 v0.0.0
 Source: Huawei, Hisilicon*

(Replaces S6-212346)

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

**S6-212347 Proposal for SEALDD application architecture**

 *Type: pCR For: Approval
 23.700-34 v0.0.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Proposal for SEALDD application architecture

**Decision:** The document was **revised to S6-212434**.

**S6-212434 Proposal for SEALDD application architecture**

 *Type: pCR For: Approval
 23.700-34 v0.0.0
 Source: Huawei, Hisilicon*

(Replaces S6-212347)

**Discussion:**

The draft S6-212434 rev 1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212487**.

**S6-212487 Proposal for SEALDD application architecture**

 *Type: pCR For: Approval
 23.700-34 v0.0.0
 Source: Huawei, Hisilicon*

(Replaces S6-212434)

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

### 10.11 FS\_eV2XAPP2 - Study on enhancements to application layer support for V2X services; Phase 2

**S6-212274 Key Issue on support for VRU high risk zones**

 *Type: pCR For: Approval
 23.700-64 v0.0.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This paper proposes a new key issue for configuring and provisioning high risk area zones for VRUP use cases.

**Decision:** The document was **revised to S6-212397**.

**S6-212397 Key Issue on support for VRU high risk zones**

 *Type: pCR For: Approval
 23.700-64 v0.0.0
 Source: Lenovo, Motorola Mobility*

(Replaces S6-212274)

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

**S6-212275 Key Issue on support for energy efficient V2P communications**

 *Type: pCR For: Approval
 23.700-64 v0.0.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This paper proposes a new key issue for enhancing VAE layer capabilities to support energy efficient V2P communications.

**Decision:** The document was **revised to S6-212398**.

**S6-212398 Key Issue on support for energy efficient V2P communications**

 *Type: pCR For: Approval
 23.700-64 v0.0.0
 Source: Lenovo, Motorola Mobility*

(Replaces S6-212275)

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

**S6-212349 Proposed skeleton for TR on study on enhancements to application layer support for V2X services; Phase 2**

 *Type: pCR For: Approval
 23.700-64 v0.0.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposed skeleton for TR on study on enhancements to application layer support for V2X services; Phase 2

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

**S6-212350 Proposal for scope**

 *Type: pCR For: Approval
 23.700-64 v0.0.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for scope

**Decision:** The document was **revised to S6-212435**.

**S6-212435 Proposal for scope**

 *Type: pCR For: Approval
 23.700-64 v0.0.0
 Source: Huawei, Hisilicon*

(Replaces S6-212350)

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

## 11 Future work / New WIDs (including related contributions)

**S6-212197 Revised SID on Study on enhanced architecture for UAS Applications**

 *Type: SID revised For: Agreement
 Source: InterDigital*

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

**S6-212224 New SID on Service Function Chaining support for Edge Data Networks**

 *Type: SID new For: Approval
 Source: Intel Technology India Pvt Ltd*

**Discussion:**

Intel presented the draft Rev1 of the contribution during the CC7.

**Decision:** The document was **revised to S6-212377**.

**S6-212377 New SID on Service Function Chaining support for Edge Data Networks**

 *Type: SID new For: Approval
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-212224)

**Discussion:**

The draft S6-212377 was considered during the closing call.

Qualcomm noted SA6 has to wait for the SA2 outcome on the subject.

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

**S6-212261 Further observations on dedicated EPS Bearer set up in MC systems**

 *Type: discussion For: Discussion
 23.280 v..
 Source: HOME OFFICE*

**Abstract:**

UK Home Office would like to present additional points with regard to observed issues with dedicated bearer set up in MC systems.

**Discussion:**

UK Home Office presented contribution S6-212261 during the CC5.

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

**S6-212273 New SID on Study on Application Data Analytics Enablement Service**

 *Type: SID new For: (not specified)
 Source: Lenovo, Motorola Mobility*

(Replaces S6-212088)

**Abstract:**

This contribution provides a new SID proposal on analytics enablement.

**Discussion:**

Lenovo presented the draft Rev2 of the contribution during the CC7.

**Decision:** The document was **revised to S6-212396**.

**S6-212396 New SID on Study on Application Data Analytics Enablement Service**

 *Type: SID new For: -
 Source: Lenovo, Motorola Mobility*

(Replaces S6-212273)

**Discussion:**

The draft S6-212396 rev 1 was considered and agreed to during the closing call.

**Decision:** The document was **revised to S6-212488**.

**S6-212488 New SID on Study on Application Data Analytics Enablement Service**

 *Type: SID new For: -
 Source: Lenovo, Motorola Mobility*

(Replaces S6-212396)

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

**S6-212282 Configuration parameters for supporting ad hoc group call**

 *Type: CR For: (not specified)
 23.379 v17.8.0 CR-0298 Cat: B (Rel-18)

 Source: Samsung, FirstNet*

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

**S6-212286 Information flows and procedures for ad hoc group call**

 *Type: CR For: (not specified)
 23.379 v17.8.0 CR-0299 Cat: B (Rel-18)

 Source: Samsung, FirstNet*

**Discussion:**

AT&T presented the contribution during CC1.

Motorola Solutions was of the view that part of the proposal made sense but part of it did not. Furthermore they thought there should be a work item created to take this on board.

CATT was of the view that the proposed adhoc call was not in line with the original MCPTT requirements, and hence confusing.

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

**S6-212303 Revised SID on Enhanced architecture for enabling Edge Applications**

 *Type: SID revised For: Approval
 Source: Samsung*

**Decision:** The document was **revised to S6-212453**.

**S6-212453 Revised SID on Enhanced architecture for enabling Edge Applications**

 *Type: SID revised For: Approval
 Source: Samsung*

(Replaces S6-212303)

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

**S6-212304 New WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2**

 *Type: WID new For: Approval
 Source: Samsung*

**Discussion:**

Samsung presented during the opening call, S6-212304 with a draft eSEAL2 WID proposal.

It seemed that the objective 1 will need further consideration and clarification.

**Decision:** The document was **revised to S6-212454**.

**S6-212454 New WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2**

 *Type: WID new For: Approval
 Source: Samsung*

(Replaces S6-212304)

**Discussion:**

The draft S6-212454 rev 1 was considered and agreed to during the closing call.

CMCC indicated they wished to be listed as supporter.

**Decision:** The document was **revised to S6-212489**.

**S6-212489 New WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2**

 *Type: WID new For: Approval
 Source: SA6*

(Replaces S6-212454)

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

**S6-212306 New WID on Enhanced Mission Critical Push-to-talk architecture phase 4**

 *Type: WID new For: Agreement
 Source: Motorola Solutions Germany*

**Abstract:**

This document contains a new WID proposal for Rel-18 to further enhance the MCPTT architecture.

**Discussion:**

Motorola Solutions presented during the opening call, S6-212304 with a draft New WID on Enhanced Mission Critical Push-to-talk architecture phase 4 WID proposal.

CATT indicated they did not support the proposed WID.

**Decision:** The document was **revised to S6-212455**.

**S6-212455 New WID on Enhanced Mission Critical Push-to-talk architecture phase 4**

 *Type: WID new For: Agreement
 Source: Motorola Solutions Germany*

(Replaces S6-212306)

**Discussion:**

The draft S6-212455 rev 1 was considered during the closing call.

CATT indicated they objected to the proposed WID e.g. the bullet b) on the adhoc group call. E.g. further study would be needed on differences between adhoc group call and temp user regroup communication. They further suggested moving bullet on discrete listening into a separate WID.

FirstNet indicated their support for the proposed WID. They further noted that the old procedures simply did not work. Furthermore they did not want to postpone the WID as the work needs to get started.

Home Office indicated their support for the WID.

CATT noted they were confused about the process where the adhoc group call was removed, then requirements were brought in via SA1, and stage 2 procedures brought in under different name.

Later during the course of the meeting Huawei suggested to remove the bullet on adhoc group call.

CATT agreed with the proposal from Huawei.

Motorola Solutions noted they were prepared to go ahead with this particular WID excluding the adhoc group call.

FirstNet did not understand going ahead with the WID without adhoc group call given there were stage 1 requirements for the ahdoc group call.

Samsung agreed with the view of FirstNet.

Netherlands Police indicated they supported the WID if b) adhoc group call is excluded.

Finally, the only change on top of S6-212455 rev 1 was removing the bullet b) on adhoc group call.

**Decision:** The document was **revised to S6-212493**.

**S6-212493 New WID on Enhanced Mission Critical Push-to-talk architecture phase 4**

 *Type: WID new For: Agreement
 Source: SA6*

(Replaces S6-212455)

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

**S6-212324 New WID on Mission Critical Services over 5GProSe**

 *Type: WID new For: Agreement
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for New WID on Mission Critical Services over 5GProSe

**Discussion:**

Huawei presented during the opening call, S6-212324 with a draft New WID on Mission Critical Services over 5GProSe WID proposal.

**Decision:** The document was **revised to S6-212421**.

**S6-212421 New WID on Mission Critical Services over 5GProSe**

 *Type: WID new For: Agreement
 Source: Huawei, Hisilicon*

(Replaces S6-212324)

**Discussion:**

The draft S6-212421 rev 1 was considered during the closing call.

Motorola Solutions had strong concerns with agreeing to the WID at this very moment.

After some further discussion Motorola suggested moving target completion to SA#99.

Finally, the only change on top of the draft S6-212421 rev 1 is moving target completion to SA#99 (Mar 2023).

**Decision:** The document was **revised to S6-212494**.

**S6-212494 New WID on Mission Critical Services over 5GProSe**

 *Type: WID new For: Agreement
 Source: SA6*

(Replaces S6-212421)

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

**S6-212325 New SID for Study on application enabler aspects to support Smart Grid Applications**

 *Type: SID new For: Agreement
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for New SID for Study on application enabler aspects to support Smart Grid Applications

**Discussion:**

Huawei presented the contribution during the CC7.

**Decision:** The document was **revised to S6-212422**.

**S6-212422 New SID for Study on application enabler aspects to support Smart Grid Applications**

 *Type: SID new For: Agreement
 Source: Huawei, Hisilicon*

(Replaces S6-212325)

**Discussion:**

The S6-212422 was considered during the closing call.

Qualcomm pointed out that requirements are needed.

Further discussion needed.

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

**S6-212362 Discussion paper on Ad hoc group call**

 *Type: discussion For: discussion
 Source: Samsung, FirstNet*

**Discussion:**

Samsung presented the document during the CC8.

CATT indicated they thought it was confusing bringing in features that had previously been voted on to be removed from the specification.

Motorola Solutions point out that the proposed way forward would need to be looked into more in detail.

FirstNet made a remark that this proposed solution was not identical to the one that was removed.

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

## 12 Work Plan review

**S6-212223 Discussion on Rel-18 Work Planning**

 *Type: discussion For: Endorsement
 Source: SA6 Chair*

**Abstract:**

This contribution proposes discussion on Rel-18 work planning for SA6.

**Discussion:**

The chair presented during the opening call, S6-212223 with a discussion paper on Rel-18 Work Planning.

Another draft version Rev2 was presented during the CC7.

A discussion followed on how to prioritize work and make use of time units.

**Decision:** The document was **revised to S6-212437**.

**S6-212437 Discussion on Rel-18 Work Planning**

 *Type: discussion For: Endorsement
 Source: SA6 Chair*

(Replaces S6-212223)

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

**S6-212459 SA6#45-BIS-e Work Plan Review**

 *Type: other For: discussion
 Source: SA6 chair*

**Discussion:**

The chair presented during the opening call, the document S6-212459.

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

## 13 Future meetings

For the list of future meetings please see Annex I.

## 14 AOB

## 15 Close of the meeting

Report prepared by: MCC

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S6-212180 | SA6 Meeting 45-bis-e Agenda | SA6 Chair | noted |  |  |
| S6-212181 | SA6 Meeting 45-e Report | MCC | approved |  |  |
| S6-212182 | SA6 Meeting #45-bis-e - Agenda with Tdocs allocation after submission deadline | SA6 Chair | noted |  |  |
| S6-212183 | SA6 Meeting #45-bis-e - Agenda with Tdocs allocation at start of the meeting | SA6 Chair | approved |  |  |
| S6-212184 | SA6 Meeting #45-bis-e - Chairman's notes at end of the meeting | SA6 Chair | noted |  |  |
| S6-212185 | LS on information about draft Recommendation ITU-T Y.frd: Framework and Requirements of Network-oriented Data Integrity Verification Service based on Blockchain in Future Network | ITU-T SG 13 | noted |  |  |
| S6-212186 | LS response on MSGin5G store-and-forward clarifications | SA1 | withdrawn |  |  |
| S6-212187 | LS on EAS and ECS identifiers | SA3 | replied to |  |  |
| S6-212188 | Reply LS on UAS terminology alignment | SA1 | noted |  |  |
| S6-212189 | LS on Prioritized Vehicle to Cloud Technical Solutions | AECC - Automotive Edge Computing Consortium | postponed |  |  |
| S6-212190 | APT report on emerging critical applications & use cases of IMT for industrial, societal and enterprise users | ASIA-PACIFIC TELECOMMUNITY (AWG-28) | postponed |  |  |
| S6-212191 | Reply LS pertaining to new SID on Application Enablement for Data Integrity Verification Service in IOT | SA1 | withdrawn |  |  |
| S6-212192 | Reply LS on Inclusive language review | 3GPP SA | noted |  |  |
| S6-212193 | Reply LS to 5G-ACIA on 5G capabilities exposure for factories of the future | 3GPP SA | noted |  |  |
| S6-212194 | Pseudo-CR on 5G MBS impacts on MC service functional models | Union Inter. Chemins de Fer | revised |  | S6-212363 |
| S6-212195 | Private call forwarding corrections | Kontron Transportation France, FirstNet | postponed |  |  |
| S6-212196 | Pseudo-CR solution for key issue 1 on optimizing the connectivity between MC systems | UIC (Union Inter. Chemins de Fer), Nokia, Nokia Shanghai Bell | revised |  | S6-212364 |
| S6-212197 | Revised SID on Study on enhanced architecture for UAS Applications | InterDigital | agreed |  |  |
| S6-212198 | Proposed skeleton for 3GPP TR 23.700-55 | InterDigital | approved |  |  |
| S6-212199 | Introduction for 3GPP TR 23.700-55 | InterDigital | approved |  |  |
| S6-212200 | Scope for 3GPP TR 23.700-55 | InterDigital | approved |  |  |
| S6-212201 | LS on latest progress and outstanding issues in SA WG2 | SA2 | noted |  |  |
| S6-212202 | correction of references | HUAWEI TECHNOLOGIES Co. Ltd. | approved |  |  |
| S6-212203 | Add solutions of performance and analytics exposure | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-212394 |
| S6-212204 | Add solutions of fault management | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-212393 |
| S6-212205 | Add examples of KQI translation | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-212392 |
| S6-212206 | Pseudo-CR on correction of the referenced clause of Session with QoS create | China Mobile Com. Corporation | approved |  |  |
| S6-212207 | Pseudo-CR on correction of the precondition of the push server address | China Mobile Com. Corporation | approved |  |  |
| S6-212208 | Pseudo-CR on new KI on EEL service differentiation framework | China Mobile Com. Corporation | revised |  | S6-212402 |
| S6-212209 | Pseudo-CR on Application layer support aspect requirements | China Mobile Com. Corporation | revised |  | S6-212404 |
| S6-212210 | Pseudo-CR on mapping of solutions to key issues | China Mobile Com. Corporation | approved |  |  |
| S6-212211 | new KI on configuration information provision | China Mobile Com. Corporation | revised |  | S6-212405 |
| S6-212212 | Pseudo-CR on new KI on enhanced network slice adaptation | China Mobile Com. Corporation | revised |  | S6-212406 |
| S6-212213 | Pseudo-CR on service based representation of application architecture | China Mobile Com. Corporation | revised |  | S6-212407 |
| S6-212214 | Corrections to network slice adaptation | China Mobile Com. Corporation | revised |  | S6-212408 |
| S6-212215 | LS on network slice management service consumption | China Mobile Com. Corporation | revised |  | S6-212409 |
| S6-212216 | Reply LS on EAS and ECS identifiers | Ericsson | revised |  | S6-212447 |
| S6-212217 | ECS ID definition | Ericsson | postponed |  |  |
| S6-212218 | Unique EAS ID | Ericsson | postponed |  |  |
| S6-212219 | New KI Energy efficient communication in EC | Ericsson | revised |  | S6-212445 |
| S6-212220 | New KI Application traffic coordination with 3GPP UP connectivity | Ericsson | revised |  | S6-212446 |
| S6-212221 | Correction to Disposition Notification handling when LMR system temporarily disables Disposition Notification | Sepura Ltd | agreed |  |  |
| S6-212222 | Correction to Disposition Notification handling when LMR system temporarily disables Disposition Notification | Sepura Ltd | agreed |  |  |
| S6-212223 | Discussion on Rel-18 Work Planning | SA6 Chair | revised |  | S6-212437 |
| S6-212224 | New SID on Service Function Chaining support for Edge Data Networks | Intel Technology India Pvt Ltd | revised |  | S6-212377 |
| S6-212225 | Clarification for Location reporting configuration | BDBOS | agreed |  |  |
| S6-212226 | EEC triggering for service provisioning | Samsung | revised |  | S6-212403 |
| S6-212227 | Add an abbreviation for EEL | Samsung | merged |  | S6-212239 |
| S6-212228 | Remove ENs with no actions in clause 5 | Huawei, Hisilicon | revised |  | S6-212365 |
| S6-212229 | Corrections in clause 7 | Huawei, Hisilicon | revised |  | S6-212366 |
| S6-212230 | Remove EN in clause 9 | Huawei, Hisilicon | postponed |  |  |
| S6-212231 | Proposed TS skeleton for Application layer support for Factories of the Future (FF) | ZTE Corporation | revised |  | S6-212388 |
| S6-212232 | FFAPP Introduction | ZTE Corporation | revised |  | S6-212389 |
| S6-212233 | Modifying the functional Entity description for EEC, ECS and EES | Samsung | merged |  | S6-212239 |
| S6-212234 | FFAPP Scope | ZTE Corporation | approved |  |  |
| S6-212235 | FFAPP Architectural requirements | ZTE Corporation | revised |  | S6-212390 |
| S6-212236 | Removal of editor’s note in clause 7.2.1 | BDBOS, Nokia, Nokia Shanghai Bell | approved |  |  |
| S6-212237 | Conclusion for Application architecture and functionality description | CBN | merged |  | S6-212270 |
| S6-212238 | Conclusion for 5G MBS session configuration and service annoucement | CBN | merged |  | S6-212270 |
| S6-212239 | Modifying the functional Entity description for EEC and ECS | Samsung | revised |  | S6-212412 |
| S6-212240 | 5G MBS session configuration and service announcement | CBN | merged |  | S6-212326 |
| S6-212241 | Deployment scenarios for roaming | NTT DOCOMO | revised |  | S6-212456 |
| S6-212242 | Mapping of Solutions to Key Issues | NTT DOCOMO | approved |  |  |
| S6-212243 | Obtaining user consent via CAPIF-8 | NTT DOCOMO | revised |  | S6-212457 |
| S6-212244 | UE obtaining onboarding enrolment information | NTT DOCOMO | noted |  |  |
| S6-212245 | MBS architectural and functionalities | CBN | revised |  | S6-212436 |
| S6-212246 | Evalutation on solution #1 | Samsung | revised |  | S6-212411 |
| S6-212247 | ECS discovery in roaming scenario | Samsung | merged |  | S6-212319 |
| S6-212248 | FS\_eEDGEAPP: EAS Dual Registration | Intel, Nokia | revised |  | S6-212380 |
| S6-212249 | List of subscriptions to the CN in EEC context | Samsung | revised |  | S6-212410 |
| S6-212250 | Clarification for location reporting within MBSFN | BDBOS | agreed |  |  |
| S6-212251 | Addition of a list of requested ECSPs to the service provisioning request | Apple GmbH | noted |  |  |
| S6-212252 | Addition of Requested ECSPs to the service provisioning request | Apple GmbH | revised |  | S6-212369 |
| S6-212253 | Private call end-to-end encryption | Nokia, Nokia Shanghai Bell, BDBOS | approved |  |  |
| S6-212254 | Use of the same functional alias in multiple MC systems | Nokia, Nokia Shanghai Bell, BDBOS | approved |  |  |
| S6-212255 | Addition of definitions and introduction related to MC Gateway UE | Samsung, Nokia, Nokia Shanghai Bell | revised |  | S6-212383 |
| S6-212256 | Introduction of sub clauses to capture MC gateway UE function details | Samsung, Nokia, Nokia Shanghai Bell, BDBOS | revised |  | S6-212384 |
| S6-212257 | MCGWUE\_3GPP access network related location management | Samsung, Nokia, Nokia Shanghai Bell, FirstNet, BDBOS, AT&T | agreed |  |  |
| S6-212258 | Pseudo-CR on Private call using functional alias towards a partner MC system | AT&T GNS Belgium SPRL | revised |  | S6-212386 |
| S6-212259 | Clarify MCData service delivery for offline users and delivery notification | AT&T GNS Belgium SPRL | agreed |  |  |
| S6-212260 | Missing information table for the notification message | AT&T GNS Belgium SPRL | revised |  | S6-212387 |
| S6-212261 | Further observations on dedicated EPS Bearer set up in MC systems | HOME OFFICE | noted |  |  |
| S6-212262 | Pseudo-CR on update solution 25 related to MBS session update aspects | Ericsson | revised |  | S6-212375 |
| S6-212263 | Pseudo-CR on multicast MBS session activation and deactivation aspects for group communications | Ericsson | approved |  |  |
| S6-212264 | Pseudo-CR on Inter-system mobility between LTE and 5G | Ericsson | revised |  | S6-212376 |
| S6-212265 | update solution 10 related to MBS session configuration and service announcement | Ericsson | approved |  |  |
| S6-212266 | Pseudo-CR on Solution to Key issue #4: Information provided by the AC for service provisioning, EEC registration and EAS discovery | Apple GmbH | revised |  | S6-212368 |
| S6-212267 | Pseudo-CR on update solution 11 related to MC service group data transmission over 5G MBS sessions | Ericsson | approved |  |  |
| S6-212268 | Pseudo-CR on Service continuity for broadcast and multicast MBS sessions | Ericsson | approved |  |  |
| S6-212269 | Pseudo-CR on overall evaluation | Ericsson | revised |  | S6-212378 |
| S6-212270 | Pseudo-CR on Conclusions | Ericsson | revised |  | S6-212379 |
| S6-212271 | Pseudo-CR on update solution 24 related to 5G MBS session release aspects | Ericsson | revised |  | S6-212381 |
| S6-212272 | Pseudo-CR on update KI#13 | Ericsson | approved |  |  |
| S6-212273 | New SID on Study on Application Data Analytics Enablement Service | Lenovo, Motorola Mobility | revised | S6-212088 | S6-212396 |
| S6-212274 | Key Issue on support for VRU high risk zones | Lenovo, Motorola Mobility | revised |  | S6-212397 |
| S6-212275 | Key Issue on support for energy efficient V2P communications | Lenovo, Motorola Mobility | revised |  | S6-212398 |
| S6-212276 | Key Issue on slice continuity support | Lenovo, Motorola Mobility | revised |  | S6-212399 |
| S6-212277 | Solution to KI #8 on API translation | Lenovo, Motorola Mobility | revised |  | S6-212400 |
| S6-212278 | Discussion on alignment with ETSI MEC | Lenovo, Motorola Mobility | noted |  |  |
| S6-212279 | Solution to KI #3 on service continuity planning enhancements | Lenovo, Motorola Mobility | revised |  | S6-212401 |
| S6-212280 | LS on Concerns of scalability issues when serving mission critical users over multicast MBS sessions | Ericsson | revised |  | S6-212382 |
| S6-212281 | Multicast RAN scalability issue | Ericsson | noted |  |  |
| S6-212282 | Configuration parameters for supporting ad hoc group call | Samsung, FirstNet | postponed |  |  |
| S6-212283 | Add definition of MSGin5G Server address | China Mobile Com. Corporation | revised |  | S6-212438 |
| S6-212284 | Correction on clause 5.3.2.2 target resolution | China Mobile Com. Corporation | revised |  | S6-212440 |
| S6-212285 | New solution: EAS Service API enablement using CAPIF | ETRI, Uangel | revised |  | S6-212367 |
| S6-212286 | Information flows and procedures for ad hoc group call | Samsung, FirstNet | postponed |  |  |
| S6-212287 | Correction on message delivery procedure to Message Gateway | China Mobile Com. Corporation | revised |  | S6-212441 |
| S6-212288 | Editorial of MSGin5G | China Mobile Com. Corporation | revised |  | S6-212466 |
| S6-212289 | Remove API Related EN | China Mobile Com. Corporation | revised |  | S6-212442 |
| S6-212290 | Remove ENs with no action | China Mobile Com. Corporation | postponed |  |  |
| S6-212291 | New solution for enhacments to service continuity planning | KPN N.V. | revised |  | S6-212374 |
| S6-212292 | Correction on clause 8.3.3 | China Mobile Com. Corporation | revised |  | S6-212443 |
| S6-212293 | Correction on clause 8.7.5 | China Mobile Com. Corporation | revised |  | S6-212444 |
| S6-212294 | Addition of key issue pertaining to NAT deployments | Nokia, Nokia Shanghai Bell | revised |  | S6-212458 |
| S6-212295 | Pseudo-CR on functional architecture update in solution #1 | CATT | revised |  | S6-212395 |
| S6-212296 | Pseudo-CR on new key issue on initialization and configuration for location service | CATT | approved |  |  |
| S6-212297 | 5GMARCH\_CR\_SEAL Group Deletion procedure | Samsung | revised |  | S6-212448 |
| S6-212298 | Pseudo-CR on update to KI#1 | CATT | approved |  |  |
| S6-212299 | pCR-SNAPP-Solution to KI#4 | Samsung | revised |  | S6-212449 |
| S6-212300 | Pseudo-CR on solution for KI#2 - Application server monitoring and control of traffic | Samsung | revised |  | S6-212450 |
| S6-212301 | eEDGEAPP\_New KI on enabler layer support for EAS sync | Samsung | revised |  | S6-212451 |
| S6-212302 | Pseudo-CR on solution for KI#1 - Functional architecture for fused location service leveraging SEAL | Samsung | revised |  | S6-212452 |
| S6-212303 | Revised SID on Enhanced architecture for enabling Edge Applications | Samsung | revised |  | S6-212453 |
| S6-212304 | New WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2 | Samsung | revised |  | S6-212454 |
| S6-212305 | MCGWUE\_MBMS support for MC clients residing on non-3GPP devices | Samsung | revised |  | S6-212385 |
| S6-212306 | New WID on Enhanced Mission Critical Push-to-talk architecture phase 4 | Motorola Solutions Germany | revised |  | S6-212455 |
| S6-212307 | UEs hosting multiple EECs KI | Convida Wireless LLC | revised |  | S6-212370 |
| S6-212308 | Cancellation Support in ACR | Huawei, HiSilicon, China Mobile, China Telecom, CATT | postponed | S6-212123 |  |
| S6-212309 | ACR identification | Huawei, HiSilicon, China Mobile, China Telecom, CATT | postponed | S6-212124 |  |
| S6-212310 | Adding DNN/S-NSSAI information in EAS profile | Huawei, Hisilicon | revised |  | S6-212413 |
| S6-212311 | Correction on ACR failure alleviation mechanisms | Huawei, Hisilicon | revised |  | S6-212414 |
| S6-212312 | Correction on ACR information subscription request | Huawei, Hisilicon | revised |  | S6-212415 |
| S6-212313 | Correction on EASID description | Huawei, Hisilicon | postponed |  |  |
| S6-212314 | Correction on connectivity information | Huawei, Hisilicon | agreed |  |  |
| S6-212315 | Resolving the mismatch of selected ACR scenario between EEC and EAS | Huawei, Hisilicon | postponed |  |  |
| S6-212316 | Discussion Paper on Gap Analysis between ETSI MEC and EDGEAPP | Huawei, Hisilicon | noted |  |  |
| S6-212317 | Annex on the gap analysis between ETSI MEC and EDGEAPP | Huawei, Hisilicon | revised |  | S6-212416 |
| S6-212318 | update to KI#5 | Huawei, Hisilicon | merged |  | S6-212317 |
| S6-212319 | Solution for KI#6 - ECS discovery through serving ECS to support edge services across ECSPs | Huawei, Hisilicon | revised |  | S6-212417 |
| S6-212320 | Solution for KI#6 - ECS enhancement to discover EESs via other ECSs to support edge services across ECSPs | Huawei, Hisilicon | revised |  | S6-212418 |
| S6-212321 | Key issue on enhancement to application context transmission | Huawei, Hisilicon | revised |  | S6-212419 |
| S6-212322 | Solution on enhancement to service continuity planning | Huawei, Hisilicon | revised |  | S6-212420 |
| S6-212323 | Solution on supporting for roaming Ues | Huawei, Hisilicon | withdrawn |  |  |
| S6-212324 | New WID on Mission Critical Services over 5GProSe | Huawei, Hisilicon | revised |  | S6-212421 |
| S6-212325 | New SID for Study on application enabler aspects to support Smart Grid Applications | Huawei, Hisilicon | revised |  | S6-212422 |
| S6-212326 | Procedure for pre-established MBS session configuration and service announcement | Huawei, Hisilicon | revised |  | S6-212423 |
| S6-212327 | MBS session release and de-announcement | Huawei, Hisilicon | revised |  | S6-212424 |
| S6-212328 | Server triggered UE leave multicast MBS session | Huawei, Hisilicon | revised |  | S6-212425 |
| S6-212329 | Selection of multicast and broadcast service for a group communication | Huawei, Hisilicon | postponed |  |  |
| S6-212330 | MC service data distribution over 5G MBS | Huawei, Hisilicon | revised |  | S6-212426 |
| S6-212331 | Call connect and disconnect over 5G MBS in MCPTT context | Huawei, Hisilicon | revised |  | S6-212427 |
| S6-212332 | Call connect and disconnect over 5G MBS in MCVideo context | Huawei, Hisilicon | revised |  | S6-212428 |
| S6-212333 | Service continuity between 5G MBS delivery and unicast delivery | Huawei, Hisilicon | revised |  | S6-212429 |
| S6-212334 | Conclusion for MBS session release and de-announcement | Huawei, Hisilicon | revised |  | S6-212430 |
| S6-212335 | Conclusion for Server triggered UE leave multicast MBS session | Huawei, Hisilicon | revised |  | S6-212431 |
| S6-212336 | Conclusion for Multicast/broadcast selection | Huawei, Hisilicon | merged |  | S6-212335 |
| S6-212337 | Conclusion for MC service data distribution over 5G MBS session | Huawei, Hisilicon | merged |  | S6-212335 |
| S6-212338 | Conclusion for Call connect and disconnect over 5G MBS in MCPTT | Huawei, Hisilicon | merged |  | S6-212335 |
| S6-212339 | Conclusion for Call connect and disconnect over 5G MBS in MCVideo | Huawei, Hisilicon | merged |  | S6-212335 |
| S6-212340 | Conclusion for Service continuity between 5G MBS delivery and unicast delivery | Huawei, Hisilicon | merged |  | S6-212335 |
| S6-212341 | Overall evaluations for MBS solutions | Huawei, Hisilicon | merged |  | S6-212378 |
| S6-212342 | Conclusions for ProSe solutions | Huawei, Hisilicon | revised |  | S6-212472 |
| S6-212343 | Proposed skeleton for TR on Study on SEAL data delivery enabler for vertical applications | Huawei, Hisilicon | approved |  |  |
| S6-212344 | Proposal for scope | Huawei, Hisilicon | approved |  |  |
| S6-212345 | Key issue on E2E redundant transmission | Huawei, Hisilicon | revised |  | S6-212432 |
| S6-212346 | Key issue on SEAL enabled Transport layer enhancement for UE continuity | Huawei, Hisilicon | revised |  | S6-212433 |
| S6-212347 | Proposal for SEALDD application architecture | Huawei, Hisilicon | revised |  | S6-212434 |
| S6-212348 | Missing API on Realtime UAV status | Huawei, Hisilicon | agreed |  |  |
| S6-212349 | Proposed skeleton for TR on study on enhancements to application layer support for V2X services; Phase 2 | Huawei, Hisilicon | approved |  |  |
| S6-212350 | Proposal for scope | Huawei, Hisilicon | revised |  | S6-212435 |
| S6-212351 | 5GMARCH store and forward | Convida Wireless LLC | revised |  | S6-212371 |
| S6-212352 | Device Triggering KI | Convida Wireless LLC | postponed |  |  |
| S6-212353 | Configuration of Traffic Patterns KI | Convida Wireless | revised |  | S6-212372 |
| S6-212354 | NIDD configuraton KI | Convida Wireless LLC | revised |  | S6-212373 |
| S6-212355 | 5GMARCH Store and forward | Convida Wireless | withdrawn |  |  |
| S6-212356 | LS on the definition of EAS and EAS context | SA4 | replied to |  |  |
| S6-212357 | Reply LS on work split for MBSF and MBSTF definition | SA4 | noted |  |  |
| S6-212358 | Reply to: LS on the definition of EAS and EAS context | current meeting | revised | - | S6-212391 |
| S6-212359 | LS on Private call forwarding | CT1 | postponed | - | - |
| S6-212360 | REPLY LS Private call forwarding corrections | SA6 | noted | - | - |
| S6-212361 | Private call forwarding | SA6 | noted | - | - |
| S6-212362 | Discussion paper on Ad hoc group call | Samsung, FirstNet | noted | - | - |
| S6-212363 | Pseudo-CR on 5G MBS impacts on MC service functional models | Union Inter. Chemins de Fer | revised | S6-212194 | S6-212491 |
| S6-212364 | Pseudo-CR solution for key issue 1 on optimizing the connectivity between MC systems | UIC (Union Inter. Chemins de Fer), Nokia, Nokia Shanghai Bell | approved | S6-212196 | - |
| S6-212365 | Remove ENs with no actions in clause 5 | Huawei, Hisilicon | agreed | S6-212228 | - |
| S6-212366 | Corrections in clause 7 | Huawei, Hisilicon | agreed | S6-212229 | - |
| S6-212367 | New solution: EAS Service API enablement using CAPIF | ETRI, Uangel | revised | S6-212285 | S6-212483 |
| S6-212368 | Pseudo-CR on Solution to Key issue #4: Information provided by the AC for service provisioning, EEC registration and EAS discovery | Apple GmbH | postponed | S6-212266 | - |
| S6-212369 | Addition of Requested ECSPs to the service provisioning request | Apple GmbH | postponed | S6-212252 | - |
| S6-212370 | UEs hosting multiple EECs KI | Convida Wireless LLC | postponed | S6-212307 | - |
| S6-212371 | 5GMARCH store and forward | Convida Wireless LLC | revised | S6-212351 | S6-212467 |
| S6-212372 | Configuration of Traffic Patterns KI | Convida Wireless | approved | S6-212353 | - |
| S6-212373 | NIDD configuraton KI | Convida Wireless LLC | approved | S6-212354 | - |
| S6-212374 | New solution for enhacments to service continuity planning | KPN N.V. | postponed | S6-212291 | - |
| S6-212375 | Pseudo-CR on update solution 25 related to MBS session update aspects | Ericsson | approved | S6-212262 | - |
| S6-212376 | Pseudo-CR on Inter-system mobility between LTE and 5G | Ericsson | revised | S6-212264 | S6-212492 |
| S6-212377 | New SID on Service Function Chaining support for Edge Data Networks | Intel Technology India Pvt Ltd | noted | S6-212224 | - |
| S6-212378 | Pseudo-CR on overall evaluation | Ericsson | revised | S6-212269 | S6-212470 |
| S6-212379 | Pseudo-CR on Conclusions | Ericsson | revised | S6-212270 | S6-212471 |
| S6-212380 | FS\_eEDGEAPP: EAS Dual Registration | Intel, Nokia | postponed | S6-212248 | - |
| S6-212381 | Pseudo-CR on update solution 24 related to 5G MBS session release aspects | Ericsson | approved | S6-212271 | - |
| S6-212382 | LS on Concerns of scalability issues when serving mission critical users over multicast MBS sessions | Ericsson | postponed | S6-212280 | - |
| S6-212383 | Addition of definitions and introduction related to MC Gateway UE | Samsung, Nokia, Nokia Shanghai Bell | agreed | S6-212255 | - |
| S6-212384 | Introduction of sub clauses to capture MC gateway UE function details | Samsung, Nokia, Nokia Shanghai Bell, BDBOS | revised | S6-212256 | S6-212495 |
| S6-212385 | MCGWUE\_MBMS support for MC clients residing on non-3GPP devices | Samsung | agreed | S6-212305 | - |
| S6-212386 | Pseudo-CR on Private call using functional alias towards a partner MC system | AT&T GNS Belgium SPRL | revised | S6-212258 | S6-212473 |
| S6-212387 | Missing information table for the notification message | AT&T GNS Belgium SPRL | agreed | S6-212260 | - |
| S6-212388 | Proposed TS skeleton for Application layer support for Factories of the Future (FF) | ZTE Corporation | approved | S6-212231 | - |
| S6-212389 | FFAPP Introduction | ZTE Corporation | approved | S6-212232 | - |
| S6-212390 | FFAPP Architectural requirements | ZTE Corporation | revised | S6-212235 | S6-212468 |
| S6-212391 | Reply to: LS on the definition of EAS and EAS context | current meeting | approved | S6-212358 | - |
| S6-212392 | Add examples of KQI translation | HUAWEI TECHNOLOGIES Co. Ltd. | postponed | S6-212205 | - |
| S6-212393 | Add solutions of fault management | HUAWEI TECHNOLOGIES Co. Ltd. | revised | S6-212204 | S6-212474 |
| S6-212394 | Add solutions of performance and analytics exposure | HUAWEI TECHNOLOGIES Co. Ltd. | postponed | S6-212203 | - |
| S6-212395 | Pseudo-CR on functional architecture update in solution #1 | CATT | approved | S6-212295 | - |
| S6-212396 | New SID on Study on Application Data Analytics Enablement Service | Lenovo, Motorola Mobility | revised | S6-212273 | S6-212488 |
| S6-212397 | Key Issue on support for VRU high risk zones | Lenovo, Motorola Mobility | approved | S6-212274 | - |
| S6-212398 | Key Issue on support for energy efficient V2P communications | Lenovo, Motorola Mobility | approved | S6-212275 | - |
| S6-212399 | Key Issue on slice continuity support | Lenovo, Motorola Mobility | postponed | S6-212276 | - |
| S6-212400 | Solution to KI #8 on API translation | Lenovo, Motorola Mobility | approved | S6-212277 | - |
| S6-212401 | Solution to KI #3 on service continuity planning enhancements | Lenovo, Motorola Mobility, Huawei | approved | S6-212279 | - |
| S6-212402 | Pseudo-CR on new KI on EEL service differentiation framework | China Mobile Com. Corporation | approved | S6-212208 | - |
| S6-212403 | EEC triggering for service provisioning | Samsung | approved | S6-212226 | - |
| S6-212404 | Pseudo-CR on Application layer support aspect requirements | China Mobile Com. Corporation | approved | S6-212209 | - |
| S6-212405 | new KI on configuration information provision | China Mobile Com. Corporation | postponed | S6-212211 | - |
| S6-212406 | Pseudo-CR on new KI on enhanced network slice adaptation | China Mobile Com. Corporation | postponed | S6-212212 | - |
| S6-212407 | Pseudo-CR on service based representation of application architecture | China Mobile Com. Corporation | approved | S6-212213 | - |
| S6-212408 | Corrections to network slice adaptation | China Mobile Com. Corporation | agreed | S6-212214 | - |
| S6-212409 | LS on network slice management service consumption | China Mobile Com. Corporation | revised | S6-212215 | S6-212460 |
| S6-212410 | List of subscriptions to the CN in EEC context | Samsung | revised | S6-212249 | S6-212462 |
| S6-212411 | Evalutation on solution #1 | Samsung | approved | S6-212246 | - |
| S6-212412 | Modifying the functional Entity description for EEC and ECS | Samsung | revised | S6-212239 | S6-212461 |
| S6-212413 | Adding DNN/S-NSSAI information in EAS profile | Huawei, Hisilicon | postponed | S6-212310 | - |
| S6-212414 | Correction on ACR failure alleviation mechanisms | Huawei, Hisilicon | revised | S6-212311 | S6-212463 |
| S6-212415 | Correction on ACR information subscription request | Huawei, Hisilicon | revised | S6-212312 | S6-212464 |
| S6-212416 | pCR – Annex on the gap analysis between ETSI MEC and EDGEAPP | Huawei, Hisilicon | revised | S6-212317 | S6-212478 |
| S6-212417 | Solution for KI#6 - ECS discovery through serving ECS to support edge services across ECSPs | Huawei, Hisilicon | revised | S6-212319 | S6-212485 |
| S6-212418 | Solution for KI#6 - ECS enhancement to discover EESs via other ECSs to support edge services across ECSPs | Huawei, Hisilicon | revised | S6-212320 | S6-212486 |
| S6-212419 | Key issue on enhancement to EEL support for application context transmission | Huawei, Hisilicon | postponed | S6-212321 | - |
| S6-212420 | Solution on enhancement to service continuity planning | Huawei, Hisilicon | revised | S6-212322 | S6-212484 |
| S6-212421 | New WID on Mission Critical Services over 5GProSe | Huawei, Hisilicon | revised | S6-212324 | S6-212494 |
| S6-212422 | New SID for Study on application enabler aspects to support Smart Grid Applications | Huawei, Hisilicon | postponed | S6-212325 | - |
| S6-212423 | Procedure for MBS session configuration and service announcement | Huawei, Hisilicon | postponed | S6-212326 | - |
| S6-212424 | MBS session release | Huawei, Hisilicon | revised | S6-212327 | S6-212469 |
| S6-212425 | Server triggered UE(s) leaves a group operation which is using MBS session | Huawei, Hisilicon | postponed | S6-212328 | - |
| S6-212426 | MC service media distribution over 5G MBS | Huawei, Hisilicon | agreed | S6-212330 | - |
| S6-212427 | Call connect and disconnect over 5G MBS in MCPTT context | Huawei, Hisilicon | agreed | S6-212331 | - |
| S6-212428 | Call connect and disconnect over 5G MBS in MCVideo context | Huawei, Hisilicon | agreed | S6-212332 | - |
| S6-212429 | Service continuity between 5G MBS delivery and unicast delivery | Huawei, Hisilicon | agreed | S6-212333 | - |
| S6-212430 | Update to solution#28 | Huawei, Hisilicon | approved | S6-212334 | - |
| S6-212431 | Conclusion for MCOver5MBS | Huawei, Hisilicon | merged | S6-212335 | S6-212379 |
| S6-212432 | Key issue on E2E redundant transmission | Huawei, Hisilicon | approved | S6-212345 | - |
| S6-212433 | Key issue on SEAL enabled Transport layer enhancement for UE continuity | Huawei, Hisilicon | approved | S6-212346 | - |
| S6-212434 | Proposal for SEALDD application architecture | Huawei, Hisilicon | revised | S6-212347 | S6-212487 |
| S6-212435 | Proposal for scope | Huawei, Hisilicon | approved | S6-212350 | - |
| S6-212436 | MBS architectural and functionalities | CBN | postponed | S6-212245 | - |
| S6-212437 | Discussion on Rel-18 Work Planning | SA6 Chair | endorsed | S6-212223 | - |
| S6-212438 | Add definition of MSGin5G Server address | China Mobile Com. Corporation | revised | S6-212283 | S6-212465 |
| S6-212439 | Modifying the functional Entity description for EEC and ECS | Samsung | withdrawn | S6-212412 | - |
| S6-212440 | Correction on clause 5.3.2.2 target resolution | China Mobile Com. Corporation | agreed | S6-212284 | - |
| S6-212441 | Correction on message delivery procedure to Message Gateway | China Mobile Com. Corporation | agreed | S6-212287 | - |
| S6-212442 | Remove API Related EN | China Mobile Com. Corporation | agreed | S6-212289 | - |
| S6-212443 | Correction on clause 8.3.3 | China Mobile Com. Corporation | agreed | S6-212292 | - |
| S6-212444 | Correction on clause 8.7.5 | China Mobile Com. Corporation | agreed | S6-212293 | - |
| S6-212445 | New KI Energy efficient communication in EC | Ericsson | revised | S6-212219 | S6-212479 |
| S6-212446 | New KI Application traffic coordination with 3GPP UP connectivity | Ericsson | revised | S6-212220 | S6-212480 |
| S6-212447 | Reply LS on EAS and ECS identifiers | Ericsson | revised | S6-212216 | S6-212490 |
| S6-212448 | 5GMARCH\_CR\_SEAL Group Deletion procedure | Samsung | agreed | S6-212297 | - |
| S6-212449 | pCR-SNAPP-Solution to KI#4 | Samsung | postponed | S6-212299 | - |
| S6-212450 | Pseudo-CR on solution for KI#2 - Application server monitoring and control of traffic | Samsung | revised | S6-212300 | S6-212476 |
| S6-212451 | Pseudo-CR on new key issue on Enabler layer support for EAS synchronization | Samsung | revised | S6-212301 | S6-212481 |
| S6-212452 | Pseudo-CR on solution for KI#1 - Functional architecture for fused location service leveraging SEAL | Samsung | revised | S6-212302 | S6-212477 |
| S6-212453 | Revised SID on Enhanced architecture for enabling Edge Applications | Samsung | agreed | S6-212303 | - |
| S6-212454 | New WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2 | Samsung | revised | S6-212304 | S6-212489 |
| S6-212455 | New WID on Enhanced Mission Critical Push-to-talk architecture phase 4 | Motorola Solutions Germany | revised | S6-212306 | S6-212493 |
| S6-212456 | Deployment scenarios for roaming | NTT DOCOMO, , Deutsche Telekom | approved | S6-212241 | - |
| S6-212457 | Obtaining user consent via CAPIF-8 | NTT DOCOMO | revised | S6-212243 | S6-212475 |
| S6-212458 | Addition of key issue pertaining to NAT deployments | Nokia, Nokia Shanghai Bell | revised | S6-212294 | S6-212482 |
| S6-212459 | SA6#45-BIS-e Work Plan Review | SA6 chair | noted | - | - |
| S6-212460 | LS on network slice management service consumption | SA6 | approved | S6-212409 | - |
| S6-212461 | Modifying the functional Entity description for EEC and ECS | Samsung | agreed | S6-212412 | - |
| S6-212462 | List of subscriptions to the CN in EEC context | Samsung | agreed | S6-212410 | - |
| S6-212463 | Correction on ACR failure alleviation mechanisms | Huawei, Hisilicon | agreed | S6-212414 | - |
| S6-212464 | Correction on ACR information subscription request | Huawei, Hisilicon | agreed | S6-212415 | - |
| S6-212465 | Add definition of MSGin5G Server address | China Mobile Com. Corporation | agreed | S6-212438 | - |
| S6-212466 | Editorial of MSGin5G | China Mobile Com. Corporation | agreed | S6-212288 | - |
| S6-212467 | 5GMARCH store and forward | Convida Wireless LLC | agreed | S6-212371 | - |
| S6-212468 | FFAPP Architectural requirements | ZTE Corporation | approved | S6-212390 | - |
| S6-212469 | MBS session release | Huawei, Hisilicon | agreed | S6-212424 | - |
| S6-212470 | Pseudo-CR on overall evaluation | Ericsson, Huawei | approved | S6-212378 | - |
| S6-212471 | Pseudo-CR on Conclusions | Ericsson, CBN, Huawei | approved | S6-212379 | - |
| S6-212472 | Conclusions for ProSe solutions | Huawei, Hisilicon | approved | S6-212342 | - |
| S6-212473 | Pseudo-CR on Private call using functional alias towards a partner MC system | AT&T | approved | S6-212386 | - |
| S6-212474 | Add solutions of fault management | HUAWEI TECHNOLOGIES Co. Ltd. | approved | S6-212393 | - |
| S6-212475 | Obtaining user consent via CAPIF-8 | NTT DOCOMO, Deutsche Telekom | approved | S6-212457 | - |
| S6-212476 | Pseudo-CR on solution for KI#2 - Application server monitoring and control of traffic | Samsung | approved | S6-212450 | - |
| S6-212477 | Pseudo-CR on solution for KI#1 - Functional architecture for fused location service leveraging SEAL | Samsung, Qualcomm | approved | S6-212452 | - |
| S6-212478 | pCR – Annex on the gap analysis between ETSI MEC and EDGEAPP | Huawei, Hisilicon | approved | S6-212416 | - |
| S6-212479 | New KI Energy efficient communication in EC | Ericsson | approved | S6-212445 | - |
| S6-212480 | New KI Application traffic coordination with 3GPP UP connectivity | Ericsson | approved | S6-212446 | - |
| S6-212481 | Pseudo-CR on new key issue on Enabler layer support for EAS synchronization | Samsung | approved | S6-212451 | - |
| S6-212482 | Addition of key issue pertaining to NAT deployments | Nokia, Nokia Shanghai Bell | approved | S6-212458 | - |
| S6-212483 | New solution: EAS Service API enablement using CAPIF | ETRI, Uangel | approved | S6-212367 | - |
| S6-212484 | Solution on enhancement to service continuity planning | Huawei, Hisilicon, KPN, Ericsson | approved | S6-212420 | - |
| S6-212485 | Solution for KI#6 - ECS discovery through serving ECS to support edge services across ECSPs | Huawei, Hisilicon, Samsung | approved | S6-212417 | - |
| S6-212486 | Solution for KI#6 - ECS enhancement to discover EESs via other ECSs to support edge services across ECSPs | Huawei, Hisilicon | approved | S6-212418 | - |
| S6-212487 | Proposal for SEALDD application architecture | Huawei, Hisilicon | approved | S6-212434 | - |
| S6-212488 | New SID on Study on Application Data Analytics Enablement Service | Lenovo, Motorola Mobility | agreed | S6-212396 | - |
| S6-212489 | New WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2 | SA6 | agreed | S6-212454 | - |
| S6-212490 | Reply LS on EAS and ECS identifiers | SA6 | approved | S6-212447 | - |
| S6-212491 | Pseudo-CR on 5G MBS impacts on MC service functional models | Union Inter. Chemins de Fer | approved | S6-212363 | - |
| S6-212492 | Pseudo-CR on Inter-system mobility between LTE and 5G | Ericsson | approved | S6-212376 | - |
| S6-212493 | New WID on Enhanced Mission Critical Push-to-talk architecture phase 4 | SA6 | agreed | S6-212455 | - |
| S6-212494 | New WID on Mission Critical Services over 5GProSe | SA6 | agreed | S6-212421 | - |
| S6-212495 | Introduction of sub clauses to capture MC gateway UE function details | Samsung, Nokia, Nokia Shanghai Bell, BDBOS | agreed | S6-212384 | - |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S6-212348 | Missing API on Realtime UAV status | Huawei, Hisilicon | 23.255 | 0018 | - | Rel-17 | F | UASAPP | agreed |
| S6-212225 | Clarification for Location reporting configuration | BDBOS | 23.280 | 0296 | - | Rel-17 | F | enh3MCPTT | agreed |
| S6-212250 | Clarification for location reporting within MBSFN | BDBOS | 23.280 | 0297 | - | Rel-17 | F | enh3MCPTT | agreed |
| S6-212255 | Addition of definitions and introduction related to MC Gateway UE | Samsung, Nokia, Nokia Shanghai Bell | 23.280 | 0298 | - | Rel-18 | B | MCGWUE | revised |
| S6-212383 | Addition of definitions and introduction related to MC Gateway UE | Samsung, Nokia, Nokia Shanghai Bell | 23.280 | 0298 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-212256 | Introduction of sub clauses to capture MC gateway UE function details | Samsung, Nokia, Nokia Shanghai Bell, BDBOS | 23.280 | 0299 | - | Rel-18 | B | MCGWUE | revised |
| S6-212384 | Introduction of sub clauses to capture MC gateway UE function details | Samsung, Nokia, Nokia Shanghai Bell, BDBOS | 23.280 | 0299 | 1 | Rel-18 | B | MCGWUE | revised |
| S6-212495 | Introduction of sub clauses to capture MC gateway UE function details | Samsung, Nokia, Nokia Shanghai Bell, BDBOS | 23.280 | 0299 | 2 | Rel-18 | B | MCGWUE | agreed |
| S6-212257 | MCGWUE\_3GPP access network related location management | Samsung, Nokia, Nokia Shanghai Bell, FirstNet, BDBOS, AT&T | 23.280 | 0300 | - | Rel-18 | B | MCGWUE | agreed |
| S6-212305 | MCGWUE\_MBMS support for MC clients residing on non-3GPP devices | Samsung | 23.280 | 0301 | - | Rel-18 | B | MCGWUE | revised |
| S6-212385 | MCGWUE\_MBMS support for MC clients residing on non-3GPP devices | Samsung | 23.280 | 0301 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-212259 | Clarify MCData service delivery for offline users and delivery notification | AT&T GNS Belgium SPRL | 23.282 | 0287 | - | Rel-17 | F | eMCData3 | agreed |
| S6-212260 | Missing information table for the notification message | AT&T GNS Belgium SPRL | 23.282 | 0288 | - | Rel-17 | F | eMCData3 | revised |
| S6-212387 | Missing information table for the notification message | AT&T GNS Belgium SPRL | 23.282 | 0288 | 1 | Rel-17 | F | eMCData3 | agreed |
| S6-212221 | Correction to Disposition Notification handling when LMR system temporarily disables Disposition Notification | Sepura Ltd | 23.283 | 0056 | - | Rel-16 | F | eMCCI | agreed |
| S6-212222 | Correction to Disposition Notification handling when LMR system temporarily disables Disposition Notification | Sepura Ltd | 23.283 | 0057 | - | Rel-17 | A | eMCCI | agreed |
| S6-212240 | 5G MBS session configuration and service announcement | CBN | 23.289 | 0001 | - | Rel-18 | B | MCOver5MBS | merged |
| S6-212245 | MBS architectural and functionalities | CBN | 23.289 | 0002 | - | Rel-18 | B | MCOver5MBS | revised |
| S6-212436 | MBS architectural and functionalities | CBN | 23.289 | 0002 | 1 | Rel-18 | B | MCOver5MBS | postponed |
| S6-212326 | Procedure for pre-established MBS session configuration and service announcement | Huawei, Hisilicon | 23.289 | 0003 | - | Rel-17 | B | MCOver5MBS | revised |
| S6-212423 | Procedure for MBS session configuration and service announcement | Huawei, Hisilicon | 23.289 | 0003 | 1 | Rel-17 | B | MCOver5MBS | postponed |
| S6-212327 | MBS session release and de-announcement | Huawei, Hisilicon | 23.289 | 0004 | - | Rel-17 | B | MCOver5MBS | revised |
| S6-212424 | MBS session release | Huawei, Hisilicon | 23.289 | 0004 | 1 | Rel-17 | B | MCOver5MBS | revised |
| S6-212469 | MBS session release | Huawei, Hisilicon | 23.289 | 0004 | 2 | Rel-17 | B | MCOver5MBS | agreed |
| S6-212328 | Server triggered UE leave multicast MBS session | Huawei, Hisilicon | 23.289 | 0005 | - | Rel-17 | B | MCOver5MBS | revised |
| S6-212425 | Server triggered UE(s) leaves a group operation which is using MBS session | Huawei, Hisilicon | 23.289 | 0005 | 1 | Rel-17 | B | MCOver5MBS | postponed |
| S6-212329 | Selection of multicast and broadcast service for a group communication | Huawei, Hisilicon | 23.289 | 0006 | - | Rel-17 | B | MCOver5MBS | postponed |
| S6-212330 | MC service data distribution over 5G MBS | Huawei, Hisilicon | 23.289 | 0007 | - | Rel-17 | B | MCOver5MBS | revised |
| S6-212426 | MC service media distribution over 5G MBS | Huawei, Hisilicon | 23.289 | 0007 | 1 | Rel-17 | B | MCOver5MBS | agreed |
| S6-212331 | Call connect and disconnect over 5G MBS in MCPTT context | Huawei, Hisilicon | 23.289 | 0008 | - | Rel-17 | B | MCOver5MBS | revised |
| S6-212427 | Call connect and disconnect over 5G MBS in MCPTT context | Huawei, Hisilicon | 23.289 | 0008 | 1 | Rel-17 | B | MCOver5MBS | agreed |
| S6-212332 | Call connect and disconnect over 5G MBS in MCVideo context | Huawei, Hisilicon | 23.289 | 0009 | - | Rel-17 | B | MCOver5MBS | revised |
| S6-212428 | Call connect and disconnect over 5G MBS in MCVideo context | Huawei, Hisilicon | 23.289 | 0009 | 1 | Rel-17 | B | MCOver5MBS | agreed |
| S6-212333 | Service continuity between 5G MBS delivery and unicast delivery | Huawei, Hisilicon | 23.289 | 0010 | - | Rel-17 | B | MCOver5MBS | revised |
| S6-212429 | Service continuity between 5G MBS delivery and unicast delivery | Huawei, Hisilicon | 23.289 | 0010 | 1 | Rel-17 | B | MCOver5MBS | agreed |
| S6-212195 | Private call forwarding corrections | Kontron Transportation France, FirstNet | 23.379 | 0297 | - | Rel-17 | F | eMONASTERY2 | postponed |
| S6-212282 | Configuration parameters for supporting ad hoc group call | Samsung, FirstNet | 23.379 | 0298 | - | Rel-18 | B | enh3MCPTT | postponed |
| S6-212286 | Information flows and procedures for ad hoc group call | Samsung, FirstNet | 23.379 | 0299 | - | Rel-18 | B | enh3MCPTT | postponed |
| S6-212214 | Corrections to network slice adaptation | China Mobile Com. Corporation | 23.434 | 0082 | - | Rel-17 | F | eSEAL | revised |
| S6-212408 | Corrections to network slice adaptation | China Mobile Com. Corporation | 23.434 | 0082 | 1 | Rel-17 | F | eSEAL | agreed |
| S6-212297 | 5GMARCH\_CR\_SEAL Group Deletion procedure | Samsung | 23.434 | 0083 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212448 | 5GMARCH\_CR\_SEAL Group Deletion procedure | Samsung | 23.434 | 0083 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-212228 | Remove ENs with no actions in clause 5 | Huawei, Hisilicon | 23.554 | 0001 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212365 | Remove ENs with no actions in clause 5 | Huawei, Hisilicon | 23.554 | 0001 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-212229 | Corrections in clause 7 | Huawei, Hisilicon | 23.554 | 0002 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212366 | Corrections in clause 7 | Huawei, Hisilicon | 23.554 | 0002 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-212230 | Remove EN in clause 9 | Huawei, Hisilicon | 23.554 | 0003 | - | Rel-17 | F | 5GMARCH | postponed |
| S6-212283 | Add definition of MSGin5G Server address | China Mobile Com. Corporation | 23.554 | 0004 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212438 | Add definition of MSGin5G Server address | China Mobile Com. Corporation | 23.554 | 0004 | 1 | Rel-17 | F | 5GMARCH | revised |
| S6-212465 | Add definition of MSGin5G Server address | China Mobile Com. Corporation | 23.554 | 0004 | 2 | Rel-17 | F | 5GMARCH | agreed |
| S6-212284 | Correction on clause 5.3.2.2 target resolution | China Mobile Com. Corporation | 23.554 | 0005 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212440 | Correction on clause 5.3.2.2 target resolution | China Mobile Com. Corporation | 23.554 | 0005 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-212287 | Correction on message delivery procedure to Message Gateway | China Mobile Com. Corporation | 23.554 | 0006 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212441 | Correction on message delivery procedure to Message Gateway | China Mobile Com. Corporation | 23.554 | 0006 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-212288 | Editorial of MSGin5G | China Mobile Com. Corporation | 23.554 | 0007 | - | Rel-17 | D | 5GMARCH | revised |
| S6-212466 | Editorial of MSGin5G | China Mobile Com. Corporation | 23.554 | 0007 | 1 | Rel-17 | D | 5GMARCH | agreed |
| S6-212289 | Remove API Related EN | China Mobile Com. Corporation | 23.554 | 0008 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212442 | Remove API Related EN | China Mobile Com. Corporation | 23.554 | 0008 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-212290 | Remove ENs with no action | China Mobile Com. Corporation | 23.554 | 0009 | - | Rel-17 | F | 5GMARCH | postponed |
| S6-212292 | Correction on clause 8.3.3 | China Mobile Com. Corporation | 23.554 | 0010 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212443 | Correction on clause 8.3.3 | China Mobile Com. Corporation | 23.554 | 0010 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-212293 | Correction on clause 8.7.5 | China Mobile Com. Corporation | 23.554 | 0011 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212444 | Correction on clause 8.7.5 | China Mobile Com. Corporation | 23.554 | 0011 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-212351 | 5GMARCH store and forward | Convida Wireless LLC | 23.554 | 0012 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212371 | 5GMARCH store and forward | Convida Wireless LLC | 23.554 | 0012 | 1 | Rel-17 | F | 5GMARCH | revised |
| S6-212467 | 5GMARCH store and forward | Convida Wireless LLC | 23.554 | 0012 | 2 | Rel-17 | F | 5GMARCH | agreed |
| S6-212355 | 5GMARCH Store and forward | Convida Wireless | 23.554 | 0013 | - | Rel-17 | F | 5GMARCH | withdrawn |
| S6-212308 | Cancellation Support in ACR | Huawei, HiSilicon, China Mobile, China Telecom, CATT | 23.558 | 0042 | 2 | Rel-17 | F | EDGEAPP | postponed |
| S6-212309 | ACR identification | Huawei, HiSilicon, China Mobile, China Telecom, CATT | 23.558 | 0043 | 2 | Rel-17 | F | EDGEAPP | postponed |
| S6-212217 | ECS ID definition | Ericsson | 23.558 | 0049 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-212218 | Unique EAS ID | Ericsson | 23.558 | 0050 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-212227 | Add an abbreviation for EEL | Samsung | 23.558 | 0051 | - | Rel-17 | D | EDGEAPP | merged |
| S6-212233 | Modifying the functional Entity description for EEC, ECS and EES | Samsung | 23.558 | 0052 | - | Rel-17 | D | EDGEAPP | merged |
| S6-212239 | Modifying the functional Entity description for EEC and ECS | Samsung | 23.558 | 0053 | - | Rel-17 | D | EDGEAPP | revised |
| S6-212412 | Modifying the functional Entity description for EEC and ECS | Samsung | 23.558 | 0053 | 1 | Rel-17 | D | EDGEAPP | revised |
| S6-212439 | Modifying the functional Entity description for EEC and ECS | Samsung | 23.558 | 0053 | 2 | Rel-17 | D | EDGEAPP | withdrawn |
| S6-212461 | Modifying the functional Entity description for EEC and ECS | Samsung | 23.558 | 0053 | 2 | Rel-17 | D | EDGEAPP | agreed |
| S6-212249 | List of subscriptions to the CN in EEC context | Samsung | 23.558 | 0054 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212410 | List of subscriptions to the CN in EEC context | Samsung | 23.558 | 0054 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-212462 | List of subscriptions to the CN in EEC context | Samsung | 23.558 | 0054 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-212252 | Addition of Requested ECSPs to the service provisioning request | Apple GmbH | 23.558 | 0055 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212369 | Addition of Requested ECSPs to the service provisioning request | Apple GmbH | 23.558 | 0055 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-212310 | Adding DNN/S-NSSAI information in EAS profile | Huawei, Hisilicon | 23.558 | 0056 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212413 | Adding DNN/S-NSSAI information in EAS profile | Huawei, Hisilicon | 23.558 | 0056 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-212311 | Correction on ACR failure alleviation mechanisms | Huawei, Hisilicon | 23.558 | 0057 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212414 | Correction on ACR failure alleviation mechanisms | Huawei, Hisilicon | 23.558 | 0057 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-212463 | Correction on ACR failure alleviation mechanisms | Huawei, Hisilicon | 23.558 | 0057 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-212312 | Correction on ACR information subscription request | Huawei, Hisilicon | 23.558 | 0058 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212415 | Correction on ACR information subscription request | Huawei, Hisilicon | 23.558 | 0058 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-212464 | Correction on ACR information subscription request | Huawei, Hisilicon | 23.558 | 0058 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-212313 | Correction on EASID description | Huawei, Hisilicon | 23.558 | 0059 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-212314 | Correction on connectivity information | Huawei, Hisilicon | 23.558 | 0060 | - | Rel-17 | F | EDGEAPP | agreed |
| S6-212315 | Resolving the mismatch of selected ACR scenario between EEC and EAS | Huawei, Hisilicon | 23.558 | 0061 | - | Rel-17 | F | EDGEAPP | postponed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S6-212185 | SG13-LS212 | LS on information about draft Recommendation ITU-T Y.frd: Framework and Requirements of Network-oriented Data Integrity Verification Service based on Blockchain in Future Network | ITU-T SG 13 | noted | (none) |
| S6-212186 | S1-213208 | LS response on MSGin5G store-and-forward clarifications | SA1 | withdrawn | (none) |
| S6-212187 | S3-213089 | LS on EAS and ECS identifiers | SA3 | replied to | S6-212490 |
| S6-212188 | S1-213256 | Reply LS on UAS terminology alignment | SA1 | noted | (none) |
| S6-212189 |  | LS on Prioritized Vehicle to Cloud Technical Solutions | AECC - Automotive Edge Computing Consortium | postponed | (none) |
| S6-212190 | AWG-28/OUT-03 (Rev.1) | APT report on emerging critical applications & use cases of IMT for industrial, societal and enterprise users | ASIA-PACIFIC TELECOMMUNITY (AWG-28) | Postponed(to be forwarded to SA1, SA2 and SA5) | (none) |
| S6-212191 | S1-213280 | Reply LS pertaining to new SID on Application Enablement for Data Integrity Verification Service in IOT | SA1 | withdrawn | (none) |
| S6-212192 | SP-211140 | Reply LS on Inclusive language review | 3GPP SA | noted | (none) |
| S6-212193 | SP-211134 | Reply LS to 5G-ACIA on 5G capabilities exposure for factories of the future | 3GPP SA | noted | (none) |
| S6-212201 | S2-2106913 | LS on latest progress and outstanding issues in SA WG2 | SA2 | noted | (none) |
| S6-212356 | S4-211231 | LS on the definition of EAS and EAS context | SA4 | replied to | S6-212391 |
| S6-212357 | S4-211292 | Reply LS on work split for MBSF and MBSTF definition | SA4 | noted | (none) |
| S6-212359 | C1-214882 | LS on Private call forwarding | CT1 | postponed | S6-212360 |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S6-212391 | Reply to: LS on the definition of EAS and EAS context | SA4 | - | S6-212356 |
| S6-212460 | LS on network slice management service consumption | SA5 | SA2 | - |
| S6-212490 | Reply LS on EAS and ECS identifiers | SA3 | CT1, CT3 | SA3-213089 / S6-212187 |

## Annex D: List of agreed/approved new and revised Work Items

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S6-212488 | New SID on Study on Application Data Analytics Enablement Service | Lenovo, Motorola Mobility | SID new |
| S6-212197 | Revised SID on Study on enhanced architecture for UAS Applications | InterDigital | SID revised |
| S6-212453 | Revised SID on Enhanced architecture for enabling Edge Applications | Samsung | SID revised |
| S6-212489 | New WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2 | SA6 | WID new |
| S6-212493 | New WID on Enhanced Mission Critical Push-to-talk architecture phase 4 | SA6 | WID new |
| S6-212494 | New WID on Mission Critical Services over 5GProSe | SA6 | WID new |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S6-212198 | 23.700-55 | 0.0.0 | Proposed skeleton for 3GPP TR 23.700-55 |

## Annex F: List of action items

n/a

## Annex G: List of decisions

n/a

## Annex H: List of participants

|  |  |  |
| --- | --- | --- |
| Name | Representing | Status (OP) |
| AI, Ming | CATT | 3GPPMEMBER (ETSI) |
| ÅKESSON, Joakim | Ericsson Japan K.K. | 3GPPMEMBER (ARIB) |
| ALEKSIEV, Vasil | Deutsche Telekom AG | 3GPPMEMBER (ETSI) |
| ALHALASEH, Rana | Ericsson France S.A.S | 3GPPMEMBER (ETSI) |
| AMOGH, Niranth | Huawei Telecommunication India | 3GPPMEMBER (TSDSI) |
| AZEM, Dania | BDBOS | 3GPPMEMBER (ETSI) |
| BAI, kunai | TD Tech Ltd | 3GPPMEMBER (CCSA) |
| BEICHT, Peter | Kontron Transportation France | 3GPPMEMBER (ETSI) |
| BOUCHMAL, Faiza | Casa Systems Inc. | 3GPPMEMBER (ETSI) |
| CAMACHO, Cristina | Vodafone Romania S.A. | 3GPPMEMBER (ETSI) |
| CHAN, Yee Sin | Facebook | 3GPPMEMBER (ETSI) |
| CHATER-LEA, David | Motorola Solutions UK Ltd. | 3GPPMEMBER (ETSI) |
| CHITTURI, Suresh | Samsung Electronics Co., Ltd | 3GPPMEMBER (TTA) |
| DAWES, Peter | Vodafone Ireland Plc | 3GPPMEMBER (ETSI) |
| EITOKU, Haruka | NTT corporation | 3GPPMEMBER (ETSI) |
| ELAMANOV, Sherzod | SyncTechno Inc. | 3GPPMEMBER (ETSI) |
| ELLOUMI, Omar | Nokia Belgium | 3GPPMEMBER (ETSI) |
| FEATHERSTONE, Walter | Samsung R&D Institute India | 3GPPMEMBER (TSDSI) |
| FLANDER, Andreas | BDBOS | 3GPPMEMBER (ETSI) |
| FU, Jiadi | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |
| GUAN, Ke | BJTU | 3GPPMEMBER (CCSA) |
| GUPTA, Nishant | Qualcomm India Pvt Ltd | 3GPPMEMBER (TSDSI) |
| GUTTMAN, Erik | Samsung Electronics GmbH | 3GPPMEMBER (ETSI) |
| HAO, Hongxia | HUAWEI Technologies Japan K.K. | 3GPPMEMBER (ARIB) |
| HU, Yajie | Huawei Technologies France | 3GPPMEMBER (ETSI) |
| JANKY, William | FirstNet | 3GPPMEMBER (ATIS) |
| JIA, Xiaoqian | HUAWEI TECHNOLOGIES Co. Ltd. | 3GPPMEMBER (ETSI) |
| JIANG, Tianji | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |
| JIAO, Jerry | CALTTA | 3GPPMEMBER (CCSA) |
| KAPALE, Kiran | Samsung Research America | 3GPPMEMBER (ATIS) |
| KAPOOR, Rajesh | TSDSI | 3GPPORG\_REP (TSDSI) |
| KILGOUR, Kit | Sepura Ltd | 3GPPMEMBER (ETSI) |
| KIM, Hyesung | Samsung Electronics Romania | 3GPPMEMBER (ETSI) |
| KOO, Hyounhee | SyncTechno Inc. | 3GPPMEMBER (ETSI) |
| LAZARA, Dominic | Motorola Solutions Germany | 3GPPMEMBER (ETSI) |
| LEE, Chulwoong | Harman GmbH | 3GPPMEMBER (ETSI) |
| LEE, Seung-Ik | ETRI | 3GPPMEMBER (TTA) |
| LEVINE, Anatoli | Softil Ltd | 3GPPMEMBER (ETSI) |
| LIBUNAO, Gerardo | Verizon UK Ltd | 3GPPMEMBER (ETSI) |
| LIN, Lin | China Unicom | 3GPPMEMBER (CCSA) |
| LIU, Yue | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |
| LYU, Huazhang | VIVO TECH GmbH | 3GPPMEMBER (ETSI) |
| MA, Limeng | AsiaInfo Technologies Inc | 3GPPMEMBER (ETSI) |
| MADDEN, Helen | Verizon Spain | 3GPPMEMBER (ETSI) |
| MARIOTTE, Hubert | Orange | 3GPPMEMBER (ETSI) |
| MATTSSON, Bernt | ETSI | 3GPPORG\_REP (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) |
| MONRAD, Atle | InterDigital, Europe, Ltd. | 3GPPMEMBER (ETSI) |
| MUSTAPHA, Mona | Apple France | 3GPPMEMBER (ETSI) |
| MYSORE ANNAIAH, Mahesh Nayaka | Reliance Jio | 3GPPMEMBER (TSDSI) |
| NEGALAGULI, Harish | Motorola Solutions UK Ltd. | 3GPPMEMBER (ETSI) |
| NERLIKAR, Rohit | Motorola Solutions UK Ltd. | 3GPPMEMBER (ETSI) |
| OETTL, Martin | Nokia Germany | 3GPPMEMBER (ETSI) |
| OPRESCU, Val | AT&T | 3GPPMEMBER (ATIS) |
| PAN, Jen-Yi | ITRI | 3GPPMEMBER (ETSI) |
| PARK, Sungjin | SAMSUNG R&D INSTITUTE JAPAN | 3GPPMEMBER (ARIB) |
| PATEROMICHELAKIS, Emmanouil | Motorola Mobility Germany GmbH | 3GPPMEMBER (ETSI) |
| PATRY, Frank | Omnispace | 3GPPMEMBER (ATIS) |
| PATTAN, Basavaraj (Basu) | Samsung Research America | 3GPPMEMBER (ATIS) |
| PISON, laurent | Kontron Transportation France | 3GPPMEMBER (ETSI) |
| PLATZER, Andreas | BDBOS | 3GPPMEMBER (ETSI) |
| RAMAMOORTHY, Arunprasath | BEIJING SAMSUNG TELECOM R&D | 3GPPMEMBER (CCSA) |
| RAMANAN, Sivasubramaniam | HOME OFFICE | 3GPPMEMBER (ETSI) |
| REBELLON, Manuel | Sandvine Incorporated | 3GPPMEMBER (ETSI) |
| REZAGAH, Roya | Huawei Technologies (Korea) | 3GPPMEMBER (TTA) |
| RURAINSKY, Juergen | BDBOS | 3GPPMEMBER (ETSI) |
| SANDERS, Peter | one2many B.V. | 3GPPMEMBER (ETSI) |
| SHAH, Sapan | Samsung Guangzhou Mobile R&D | 3GPPMEMBER (CCSA) |
| 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) |
| SU, Zijian | Huawei Tech.(UK) Co.. Ltd | 3GPPMEMBER (ETSI) |
| SUZUKI, Yuji | NTT DOCOMO INC. | 3GPPMEMBER (TTC) |
| SZABO, Geza | Ericsson Hungary Ltd | 3GPPMEMBER (ETSI) |
| TANGUDU, Narendranath Durga | Harman GmbH | 3GPPMEMBER (ETSI) |
| TENIOU, Gilles | Tencent | 3GPPMEMBER (CCSA) |
| TRAKINAT, Jean | T-Mobile USA Inc. | 3GPPMEMBER (ATIS) |
| VERWEIJ, Kees | Netherlands Police | 3GPPMEMBER (ETSI) |
| VIALEN, Jukka | Airbus | 3GPPMEMBER (ETSI) |
| WANG, Dan | IPLOOK | 3GPPMEMBER (CCSA) |
| 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 | Nanjing Ericsson Panda Com Ltd | 3GPPMEMBER (CCSA) |
| XUE, Kaixin | CBN | 3GPPMEMBER (CCSA) |
| YANG, Yanmei | HuaWei Technologies Co., Ltd | 3GPPMEMBER (CCSA) |
| YU, Xiaobo | Alibaba (China) Group., Ltd. | 3GPPMEMBER (CCSA) |
| ZAUS, Robert | Apple GmbH | 3GPPMEMBER (ETSI) |
| ZHANG, Ling | CATT | 3GPPMEMBER (CCSA) |
| ZHENG, Shaowen | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |
| ZHU, SICHENG | CEPRI | 3GPPMEMBER (CCSA) |

## Annex I: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Title** | **Start date** | **End date (OP)** | **Town** | **Country** | **Reference** |
| 3GPPSA6#46 | 15/11/2021 | 23/11/2021 | Online | NA | S6-46 |
| 3GPPSA6#47 | 14/02/2022 | 18/02/2022 | Online  | 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 |