**3GPP TSG-SA WG6 Meeting #47-e S6-220002**

**e-meeting, 14th – 22nd February 2022**

Source: MCC

Title: SA6 Meeting 46-e report

Agenda Item: 3

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*Abstract: Meeting report of 3GPP SA6 meeting #46-e*

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

 **DRAFT Meeting Report
for
TSG SA WG6
meeting: e**

**e-meeting, n/a, 16/11/2021 to 23/11/2021**

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## 1 Opening of the meeting

### 1.1 IPR and antitrust policy reminders

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

**IPR Call Reminder:**

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

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

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

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

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

**Antitrust declaration:**

The chair of the meeting made the following antitrust declaration:

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

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

The chair reminded delegates to register for the meeting.

## 2 Agenda and Chair notes

**S6-212496 SA6 Meeting 46-e Agenda**

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

**Abstract:**

Agenda for the SA6#46-e meeting

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

**S6-212498 SA6 Meeting #46-e - Agenda with Tdocs allocation after submission deadline**

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

**Abstract:**

The SA6#46-e meeting agenda with Tdocs allocation after submission deadline

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

**S6-212499 SA6 Meeting #46-e - Agenda with Tdocs allocation at start of the meeting**

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

**Abstract:**

The SA6#46-e meeting agenda with Tdocs allocation at the start of the meeting

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

**S6-212500 SA6 Meeting #46-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#46-e meeting

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

## 3 Report from previous meetings

**S6-212497 SA6 Meeting 45-bis-e Report**

 *Type: report For: Approval
 Source: MCC*

**Abstract:**

The report of the SA6#45-bis-e meeting.

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

## 4 Liaison statements

### 4.1 Incoming LSs

**S6-212501 LS on Prioritized Vehicle to Cloud Technical Solutions**

 *Type: LS in For: Action
 Original outgoing LS: n/a, to SA, cc 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 available as S6-212501.

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

**S6-212502 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 SA6, cc -
 Source: ASIA-PACIFIC TELECOMMUNITY (AWG-28)*

**Abstract:**

The AWG is developing a working document towards an APT Report on “EMERGING CRITICAL APPLICATIONS & USE CASES OF IMT FOR INDUSTRIAL, SOCIETAL AND ENTERPRISE USERS”

The scope of the report is on new/emerging critical applications and use cases of IMT-Advanced and IMT-2020 for industrial, societal and enterprise users, both 4G LTE and NR. Current draft working document being developed in the AWG is enclosed for reference.

As 3GPP TSG SA WG6 (SA6) is the application enablement and critical communication applications group for critical applications of IMT, AWG would kindly invite the 3GPP to provide relevant materials, use cases and any other related material that would facilitate in completion of this Report.

AWG would appreciate 3GPP to provide any feedback before the next 29th APT Wireless Group (AWG-29) meeting, scheduled in March/April 2022, if any.

For technical queries please contact:

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AWG will keep 3GPP informed of the progress and outcomes of relevant studies in future AWG meetings.

**Discussion:**

The LS available as S6-212502 was discussed.

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

**S6-212503 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 available as S6-212503.

**Decision:** The document was **replied to in S6-212690**.

**S6-212504 Reply LS on MBS broadcast service continuity and MBS session identification**

 *Type: LS in For: Action
 Original outgoing LS: S2-2108175, to -, cc -
 Source: SA2*

**Abstract:**

1. Overall Description:

SA2 would like to thank RAN2 for the LS. SA2 has discussed the three questions in the LS and provides the feedback of the answers as follows:

Question 1: Can an “MBS ID” (e.g. SAI) be defined for NR MBS for use in SIB and the upper layer signalling (e.g. USD), to avoid too many TMGIs from being broadcast in System Information?

SA2 answer: SA2 agrees to introduce an additional MBS identifier for reducing the volume broadcasted in SIB. The identifier can be associated with several TMGIs to avoid that those TMGIs need to be broadcasted in the System Information.SA2 did not yet conclude whether this additional identifier will denote service areas. SA2 intends to agree related CRs that detail the concept and related procedures in the next meeting. The additional MBS identifier can be used in SIB and the service announcement for Broadcast.

Question 2: Can the mapping between frequency and MBS service/session be provided in the upper layer signalling (e.g. USD), as in LTE SC-PTM?

SA2 answer: SA2 confirms that the information of additional MBS identifier can be provided to the UEs in the upper layer signalling. SA2 does not get consensus whether frequency can be provided in the upper layer signalling.

Question 3: For both broadcast and multicast session, is sessionID parameter or alike required in NR or is TMGI sufficient to identify the MBS session?

SA2 answer: In MBMS, sessionID is used for distinguishing the MBMS session retransmissions, and labelled by BM-SC. The session retransmission is not defined in 5G MBS, and thus the sessionID parameter or alike is not specified.

2. Actions:

To RAN2, RAN3, SA4, SA6.

ACTION: SA2 respectfully asks to take the above information into consideration.

**Discussion:**

Huawei presented the LS available as S6-212504.

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

**S6-212505 Development of a draft new Report ITU-R M.[IMT.INDUSTRY] –Applications of IMT for specific societal, industrial and enterprise usages**

 *Type: LS in For: Action
 Original outgoing LS: 5D/TEMP/464(Rev.3), to 3GPP WG6, RAN, 3GPP2, 4G Americas, 450 MHz Alliance, 5G Autom Assoc., 5G Infrastr. Pub Priv Partnership, 5G Innov Centre, 5G-ACIA, 5G-PPP, 5GAA, 5GMF, 5G Enabled Manuf (5GEM), AAR, Arab Countries Water Util. Assoc., American public power Assoc., APCO, cc -
 Source: ITU-R Working Party (WP) 5D*

**Abstract:**

ITU-R Working Party (WP) 5D is developing a draft new Report ITU-R M.[IMT.INDUSTRY] on “Applications of IMT for specific societal, industrial and enterprise usages”. The scope of this draft new Report ITU-R M.[IMT.INDUSTRY] addresses, inter alia, the usage, technical and operational aspects and capabilities of IMT for meeting specific needs of societal, industrial and enterprise usages. Current preliminary draft working document being developed in the WP 5D is enclosed for reference (TEMP/463Rev.2 published as 5D/886 (Annex 3.3)). This work has been initiated under Question ITU-R 262/5.

WP 5D would like to invite the External Organizations to provide information on industrial and enterprise on its usage, applications, required capabilities, technical and operational aspects, and any other related material that would facilitate in completion of this Report.

External Organizations are invited to provide material preferably to the 40th meeting of WP 5D but no later than 41st meeting of WP 5D, as appropriate.

**Discussion:**

The chair presented the LS available as S6-212505.

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

**S6-212608 LS on Mission Critical group document content handling for sharing with a partner system**

 *Type: LS in For: Action
 Original outgoing LS: C1-216220, to SA6, cc -
 Source: CT1*

**Abstract:**

1 . Overall description

In MCPTT systems interconnection scenarios, it might be required that an MCPTT group has different parameter values in the different MCPTT systems to respect local policies and local requirements, as described in TS 23.280 clause 12.2.7.1.

CT1 discussed the implementation of such changes to the group document when systems are interconnected and considers that stage 2 specifications are not totally aligned on how the modification of the group document shall be handled:

- in TS 23.280, clauses 12.2.7.2 and 12.2.7.3 specify that local configuration and local policies are applied in the partner system; and

- in TS 23.379, table A.4-2 indicates that the changes to be applied to the group document in the partner system are configured in the group document in the primary system.

CT1 believes that local configuration and local policies applied in the partner system is a flexible approach and does not need any specification. Local configuration would ensure that all parameters can be modified at the partner system and avoid missing certain parameters. For example, the priority of the group in the partner system is indicated as a local parameter in TS 23.280, but not considered in table A.4-2 in TS 23.379.

CT1 also wonders whether there is any need for the group document to be modified by the primary system before it is sent to the partner system. For example, if some elements of the original group document should not be exposed to the partner system, such as the list of group members from other partner systems.

2 . Actions

To SA6

ACTION: CT1 kindly asks SA6 to provide feedback on the above and modify their specifications, if needed.

**Discussion:**

Airbus presented the LS available as S6-212608.

**Decision:** The document was **replied to in S6-212691**.

**S6-212609 LS on question and feedback about the EVEX Work Item**

 *Type: LS in For: Information
 Original outgoing LS: C3-215316, to SA4, cc SA2, RAN2, SA3, SA6
 Source: CT3*

**Abstract:**

1. Overall Description:

CT3 would like to thank SA4 for sharing the LS and EVEX WID, also asking whether CT3 has any questions or other feedback about the EVEX Work Item.

After discussion, CT3 has below CT3 observations, with the related questions(Q) and

**Discussion:**

Ericsson presented the LS available as S6-212609.

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

**S6-212686 Liaison about Publication of Standard MEF 84 Network Slice Service and Attributes**

 *Type: LS in For: Information
 Original outgoing LS: LS00319\_001, to 3GPP, BBF, ETSI ISGs; ENI, NFV and ZSM, GSMA, IETF, ITU-T SG13, ITU-T SG15, NGMN, ONF, TMF., cc COO MEF
 Source: MEF Forum*

**Abstract:**

We would like to inform you about the publication of Standard MEF 84 Network Slice Service and Attributes.

This standard specifies Network Slicing in the context of MEF Lifecycle Service Orchestration (LSO) and MEF Services. Key concepts of Network

**Discussion:**

Motorola Solutions raised concerns over the document due to late submission.

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

**S6-212687 Further reply on MBS broadcast service continuity**

 *Type: LS in For: Information
 Original outgoing LS: R2-2111511, to -, cc -
 Source: RAN2*

**Abstract:**

1. Overall Description:

RAN2 would like to thank SA2 for their LS in S2-2108175 and for agreeing to introduce additional MBS identifier in upper layer signalling to allow for reducing the volume broadcasted in SIB.

RAN2 notes that SA2 did not get consensus on whether frequency can be provided in the upper layer signalling, which goes against the working assumption made by RAN2 during RAN2#115-e meeting. RAN2 discussed this topic further during RAN#116-e meeting and made an agreement that frequency information in upper layer signalling is useful for some MBS use cases. This, for example, includes the cases where a certain MBS service is deployed homogeneously on a single frequency in a broadcast area, which is a likely deployment for some services. In such cases, it may be more efficient to directly provide the service-frequency mapping in upper layer signalling to decrease overhead over the air interface.

Therefore, RAN2 would like to request SA2 to allow a possibility of including MBS service to frequency mapping in upper layer signalling in their specifications, similarly as in the case of USD in MBMS.

2. Actions:

To SA2 group:

ACTION: RAN2 respectfully asks SA2 to take the above information into account and allow a possibility of including MBS service to frequency mapping in upper layer signalling in their specifications.

**Discussion:**

Motorola Solutions raised concerns over the document due to late submission.

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

**S6-212689 Reply LS on Bearer pre-emption rate limit issue for GBR bearer establishment in MC systems**

 *Type: LS in For: Action
 Original outgoing LS: R3-216196, to -, cc -
 Source: RAN3*

**Abstract:**

1. Overall Description:

RAN3 would like to thank SA6 for the LS on Bearer pre-emption rate limit issue for GBR bearer establishment in MC systems.

RAN3 has agreed to introduce a new cause value "Maximum bearer pre-emption rate exceeded", so eNB can inform MME when the number of bearers to pre-empt exceeds the eNB’s processing limit. The agreed RAN3 CR is attached.

2. Actions:

To SA6 group.

ACTION: RAN3 asks SA6 group to take the above into account and align their specifications if needed.

**Discussion:**

Motorola Solutions raised concerns over the document due to late submission.

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

**S6-212692 LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT**

 *Type: LS in For: discussion
 Original outgoing LS: S3-214337, to SA6, SA1, cc SA
 Source: SA3*

**Abstract:**

1. Overall description

SA3 would like to thank SA6 for sending LS S6-211496.

Since the LS and SA3's answer relates to a requirement made by SA1, SA3 provides a common reply to the kind attention of SA6 and SA1.

In LS S6-211496 (S3-212444) SA6 has informed SA3 about a new study (S6-211481) proposed in SA6 on the application layer support of the service for data integrity verification in IOT based on the stage 1 requirements in TS 22.261.

SA3 could not agree, if the intention of the SA1 requirement was providing an "additional ability to provide data integrity protection service between an application on UE and an Application Server" as stipulated in S6-211481. SA3 sees a potential contradiction with the SA1 requirement, which restricts the scope of the integrity protection service to data exchange between network and application server.

SA3 can provide feedback and guidance on security aspects on a service for data integrity verification as soon as more detailed information about use cases, scope and intention of the data integrity verification service is available. Therefore, SA3 kindly asks SA6 and SA1 to provide this information as an input to SA3.

Specifically, SA3 asks for information and clarification with respect to:

- Is the scope of the integrity verification service end to end protection on application layer, or does the integrity verification service address the integrity of the link between 5GC and the application server?

- To what extent is the UE and specifically the USIM or UICC involved in the data integrity verification service?

Due to the expected security impact related to data integrity and authenticity under the remit of SA3, SA3 kindly suggests that the SA6 study on a data integrity verification service waits for clarification between SA6 and SA3 and between SA1 and SA3.

2. Actions

To 3GPP TSG SA WG6

ACTION: SA3 kindly asks SA6 to take the above into account and to provide more detailed information about data integrity verification service to SA3 as kindly requested. Preferably SA6 should also clarify intention, main use cases, scope, and main requirements of the service for data integrity verification with SA1 before starting the study.

To 3GPP TSG SA WG1

ACTION: SA3 kindly asks SA1 to take the above into account, to clarify intention, main use cases, scope, and main requirements of the service for data integrity verification service introduced in TS 22.261, and to provide the results as an input to SA3.

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

**S6-212693 Reply LS to CT3 Questions and Feedback on EVEX**

 *Type: LS in For: Information
 Original outgoing LS: S4-211647, to -, cc -
 Source: SA4*

**Abstract:**

1 . Overall description

SA4 thanks CT3 for reviewing and responding to SA4 LS in S4-210961 and the associated EVEX WID. We wish to provide the following responses to the CT3 observations, related questions, and feedback on the EVEX Work Item. Please note that in the following, for clearer distinction, inputs from CT3 are copied as is from CT3 LS where the SA4 replies are shown in green font.

CT3 observation 1:

EVEX WI adds new stage 3 TS with description of Data Collection and Reporting; Protocols and Formats, corresponding to TS 26.532 with current v0.1.0 draft version, which contains a clause below, which specifies the event exposure service API:

4.2.8 Event subscription, management and publication

This clause specifies the event exposure service API used by the NWDAF or an Application Server Provider AF to subscribe to and receive UE data related event information from a Data Collection AF.

TS 29.517 already defines Naf\_EventExposure API used by NWDAF to subscribe to and receive data collection from AF. (NWDAF directly subscribe to trust domain AF or via NEF subscribe to untrust domain AF for application data collection). Also, UE data collection via AF has been specified in TS 23.288 e.g.in clause 6.10 Dispersion Analytics, hence CT3 has implemented this in TS 29.517 accordingly, and also has specified the corresponding procedure signalling flow clause in TS 29.552.

Q1: Since the existing TS 29.517 and TS 29.552 already provide Naf\_EventExposure API, is such a clause indeed needed in TS 26.532 to specify this API which is under CT3 remit?

F1: CT3 regards it as better to extend the Naf\_EventExposure API for UE data collection on media streaming via AF in the existing TS 29.517. TS 29.517 can reuse the media streaming data format defined in SA4 stage 3 specifications. The stage 2 requirements of these extensions firstly need to be either defined or referenced in TS 23.502, which contains the service definition of Naf\_EventExposure. TS 26.532 can refer to related clauses in TS 29.517, hence no need to specify the event exposure service API in clause 4.2.8 in TS 26.532.

[SA4 response to Q1 and F1]: SA4 would be pleased to defer to CT3 the specification of the Naf\_EventExposure API extensions that will be used by NWDAF to subscribe to and receive data collection reports from the AF (referred to as the Data Collection AF in the EVEX specifications). SA4 will capture the stage 2 requirements of the aforementioned Naf\_EventExposure API extensions in TS 26.531, whereas for the respective stage 3 aspects, clause 4.2.8 should be interpreted to mean that SA4 would reference a suitable specification for such propose, such as TS 29.517. Accordingly, SA4 has amended TS 26.532 clause 4.2.8 with the appropriate language. As CT3 points to the necessity, SA4 has ongoing discussion with SA2 on additional candidate event types for subscription by NWDAF from the Data Collection AF, such as those defined in 5G Media Streaming (in TS 26.501 and TS 26.512). As mentioned in the LS to SA4 in S2-2107013 (cc’d to CT3), SA2 indicates its willingness to further evaluate the merit of those events for exposure to NWDAF for specific data analytic features, in response to related work progress in SA4. However, SA2 states that inclusion of new event types will not be possible in the associated Rel-17 SA2 specifications (TS 23.288 and TS 23.502). SA2 also mentions that it should be possible in Rel-17 specifications for 5G Media Streaming specific events to be exposed to the Application Service Provider by a Data Collection AF instantiation of a 5GMS AF. However, doing so will require SA4 coordination with (and support by) CT3 in defining the stage 3 API of such AF Event Exposure service, which may include an NEF-equivalent Nnef\_EventExposure service API, should the AF reside within and the ASP reside outside the trusted domain. Given that the SA2 LS implies SA2 agreement with extending the stage 3 specifications of Naf\_EventExposure and Nnef\_EventExposure based on SA4 specifications (without respective contents in TS 29.502 and TS 23.288), SA4 intends to ask CT3 to realize such functionality. SA4 will also encourage SA2 to add, in the stage 2 service definitions of Naf\_EventExposure and Nnef\_EventExposure in TS 23.502, references to the SA4 specifications that extend them.

CT3 observation 2:

Nnef\_NFManagement service and Nnef\_DataReporting service are mentioned in TS 26.531, while no such NEF services exist in TS 23.502 or TS 23.288.

Q2: Should the Nnef\_NFManagement service and Nnef\_DataReporting service aligned between SA2 and SA4?

[SA4 response to Q2]: Yes, SA4 believes that although these services are neither defined in TS 23.502 or TS 23.288, such definition will be necessary when the Data Collection AF and its logical endpoint for the related NF management or data reporting interaction reside in a different trust domains, and require alignment between SA2 and SA4. In addition, SA4 wishes to point out, as part of the EVEX Work Item, that another service will need to be supported by the NEF: Nnef\_DataReportingProvisioning. As functional equivalent to Ndcaf\_EventReportingProvisioning, this service is required should the Application Service Provider (ASP) and the Data Collection AF to be provisioned by the ASP with a data collection and reporting configuration, reside in separate trust domains. Note that in the ongoing LS exchanges between SA2 and SA4, SA2 is aware of network services, to be exposed or accessed by the Data Collection AF to or from external system actors, that may require mediation by the NEF. SA2 has informed SA4 that corresponding updating of SA2 specifications (e,g, TS 23.502 and TS 23.288) will depend on further assessment of SA4’s EVEX work progress.

F2: CT3 would also like to be early informed (by keeping in LS Cc list) by SA4 and / or SA2 on related AF Event Exposure topics, so that further UE/AF data collection implementation in TS 29.517 could be well aligned.

[SA4 response to F2]: SA4 certainly wishes to and will keep CT3 fully informed regarding LS exchange between SA2 and SA4 on AF Event Exposure topics, and related developments not only on the EVEX Work item, but also Rel-17 extensions to 5G Media Streaming specifications TS 26.501 and TS 26.512. It may also be useful in the near future for a trilateral conference call to be held between CT3, SA2 and SA4 on these matters. Since all three WGs will hold their e-meetings in mid-November 2021, with subsequent e-meetings in January/February 2022, early-to-mid December timeframe would seem opportune for such discussion.

2. Actions

To CT3

ACTION 1: SA4 asks CT3 to take the above SA4 responses into account and kindly inform SA4 whether CT3 has further questions or related comments.

ACTION 2: SA4 asks CT3 to respond on your interest and availability to hold a 3-way teleconference among SA2, SA4 and CT3 on event exposure and UE data collection and reporting services and APIs on Thursday, December 9th, with a meeting start time of 6:00 am PST/3 pm CET/10 pm CST and duration of one hour.

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

### 4.2 Outgoing LSs

**S6-212690 Reply to: LS on Private call forwarding**

 *Type: LS out For: approval
 to CT1
 Source: SA6*

**Discussion:**

The draft S6-212690 was reviewed during the CC#8.

**Decision:** The document was **revised to S6-212805**.

**S6-212805 Reply to: LS on Private call forwarding**

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

(Replaces S6-212690)

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

**S6-212691 Reply to: LS on Mission Critical group document content handling for sharing with a partner system**

 *Type: LS out For: approval
 to CT1
 Source: SA6*

**Discussion:**

The draft S6-212691 was reviewed during the CC#8.

**Decision:** The document was **revised to S6-212744**.

**S6-212744 Reply to: LS on Mission Critical group document content handling for sharing with a partner system**

 *Type: LS out For: approval
 to CT1
 Source: SA6*

(Replaces S6-212691)

**Discussion:**

Missing attachment.

**Decision:** The document was **revised to S6-212815**.

**S6-212815 Reply LS on Mission Critical group document content handling for sharing with a partner system**

 *Type: LS out For: approval
 to CT1
 Source: SA6*

(Replaces S6-212744)

**Discussion:**

Only change to add attachment.

Pre-approved during the closing call.

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

Attachments to this outgoing LS: S6-212626, S6-212743

**S6-212694 LS on adhoc group communication**

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

**Discussion:**

The S6-212694 was reviewed during the CC#8.

FirstNet did not like the wording "proposed study" as the goal is to agree/approve the SID and start the work before a reply can be anticipated.

Motorola Solutions noted that SA6 should be careful with what questions are asked.

L3Harris agreed with the view of FirstNet.

CATT did not agree to change the wording "proposed SID" to "agreed".

The SA6 chair noted that he did not think the wording was critical.

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

## 5 Items for early consideration

### 5.1 Working Agreements / Technical Votes

### 5.2 Others

## 6 Rel-16 Work Items

**S6-212517 Correction of Enhanced Status description**

 *Type: CR For: Agreement
 23.283 v16.5.0 CR-0058 Cat: F (Rel-16)

 Source: Sepura Ltd*

**Abstract:**

LMR systems such as TETRA make extensive use of status messages carried over SDS transport, including for emergency status indication. It is a FASMO issue if these cannot properly be handled for interworking.

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

**S6-212518 Correction of Enhanced Status description**

 *Type: CR For: Agreement
 23.283 v17.2.0 CR-0059 Cat: F (Rel-17)

 Source: Sepura Ltd*

**Abstract:**

LMR systems such as TETRA make extensive use of status messages carried over SDS transport, including for emergency status indication. It is a FASMO issue if these cannot properly be handled for interworking.

Mirror CR to Rel-16 CR0058

**Decision:** The document was **revised to S6-212750**.

**S6-212750 Correction of Enhanced Status description**

 *Type: CR For: Agreement
 23.283 v17.2.0 CR-0059 rev 1 Cat: F (Rel-17)

 Source: Sepura Ltd*

(Replaces S6-212518)

**Discussion:**

The content of draft S6-212750\_Rev1 was agreed during the closing call.

**Decision:** The document was **revised to S6-212821**.

**S6-212821 Correction of Enhanced Status description**

 *Type: CR For: Agreement
 23.283 v17.2.0 CR-0059 rev 2 Cat: F (Rel-17)

 Source: Sepura Ltd*

(Replaces S6-212750)

**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

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

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

**S6-212626 Correction to MCPTT group document for interconnect**

 *Type: CR For: Agreement
 23.379 v17.8.0 CR-0301 Cat: F (Rel-17)

 Source: Airbus*

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

**S6-212627 Clarification to MC group configuration procedures for interconnect**

 *Type: CR For: Agreement
 23.280 v17.8.0 CR-0304 Cat: F (Rel-17)

 Source: Airbus*

**Discussion:**

Airbus presented the S6-212627 during the CC#1.

**Decision:** The document was **revised to S6-212743**.

**S6-212743 Clarification to MC group configuration procedures for interconnect**

 *Type: CR For: Agreement
 23.280 v17.8.0 CR-0304 rev 1 Cat: F (Rel-17)

 Source: Airbus*

(Replaces S6-212627)

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

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

**S6-212509 Disposition Type of specified MCData users**

 *Type: CR For: (not specified)
 23.282 v17.8.0 CR-0289 Cat: F (Rel-17)

 Source: TD Tech Ltd*

**Decision:** The document was **revised to S6-212742**.

**S6-212742 Disposition Type of specified MCData users**

 *Type: CR For: -
 23.282 v17.8.0 CR-0289 rev 1 Cat: F (Rel-17)

 Source: TD Tech Ltd*

(Replaces S6-212509)

**Decision:** The document was **revised to S6-212816**.

**S6-212816 Disposition Type of specified MCData users**

 *Type: CR For: -
 23.282 v17.8.0 CR-0289 rev 2 Cat: F (Rel-17)

 Source: TD Tech Ltd*

(Replaces S6-212742)

**Discussion:**

Pre-agreed with draft rev 1 content.

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

**S6-212600 Clarification on the use of MCData notification server(s)**

 *Type: CR For: Agreement
 23.282 v17.8.0 CR-0291 Cat: F (Rel-17)

 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Clarification on the use of MCData notification server(s)

**Decision:** The document was **revised to S6-212716**.

**S6-212716 Clarification on the use of MCData notification server(s)**

 *Type: CR For: Agreement
 23.282 v17.8.0 CR-0291 rev 1 Cat: F (Rel-17)

 Source: AT&T*

(Replaces S6-212600)

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

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

**S6-212572 Corrections on network slicing**

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

 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

1) Removal of text indicating that the network slice is configured as part of the MC service user profile. 2) Corrections related to 5GS handling of slices.

**Decision:** The document was **revised to S6-212703**.

**S6-212703 Corrections on network slicing**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0013 rev 1 Cat: F (Rel-17)

 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-212572)

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

### 7.6 EDGEAPP - Architecture for enabling Edge Applications

**S6-212516 Text order and wording corrections for ACR scenarios**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0062 Cat: F (Rel-17)

 Source: Vodafone España SA*

**Decision:** The document was **revised to S6-212782**.

**S6-212782 Text order and wording corrections for ACR scenarios**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0062 rev 1 Cat: F (Rel-17)

 Source: Vodafone España SA*

(Replaces S6-212516)

**Discussion:**

The draft S6-212782\_Rev1 was discussed during the closing call.

Huawei suggested replacing "should be executed" with "can be repeated".

The only changes on top of draft Rev 1 are:

 - replacing "should be repeated" with "can be executed"

 - delete duplication of "the" clause 8.8.2.3

**Decision:** The document was **revised to S6-212818**.

**S6-212818 Text order and wording corrections for ACR scenarios**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0062 rev 2 Cat: F (Rel-17)

 Source: Vodafone España SA*

(Replaces S6-212782)

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

**S6-212522 Edge functional entity relationship to 5G core**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0063 Cat: F (Rel-17)

 Source: Vodafone España SA*

**Decision:** The document was **revised to S6-212783**.

**S6-212783 Edge functional entity relationship to 5G core**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0063 rev 1 Cat: F (Rel-17)

 Source: Vodafone España SA*

(Replaces S6-212522)

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

**S6-212534 Correction on EAS description**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0064 Cat: F (Rel-17)

 Source: NTT DOCOMO*

**Abstract:**

This contribution clarifies that the EAS is provided by ASP, not by ECSP.

**Decision:** The document was **revised to S6-212806**.

**S6-212806 Correction on EAS description**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0064 rev 1 Cat: F (Rel-17)

 Source: NTT DOCOMO*

(Replaces S6-212534)

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

**S6-212603 Correct ACR inconsistencies**

 *Type: CR For: (not specified)
 23.558 v17.1.0 CR-0065 Cat: F (Rel-17)

 Source: Ericsson*

**Decision:** The document was **revised to S6-212775**.

**S6-212775 Correct ACR inconsistencies**

 *Type: CR For: -
 23.558 v17.1.0 CR-0065 rev 1 Cat: F (Rel-17)

 Source: Ericsson*

(Replaces S6-212603)

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

**S6-212604 Correct EAS required API**

 *Type: CR For: (not specified)
 23.558 v17.1.0 CR-0066 Cat: F (Rel-17)

 Source: Ericsson*

**Decision:** The document was **revised to S6-212776**.

**S6-212776 Correct EAS required API**

 *Type: CR For: -
 23.558 v17.1.0 CR-0066 rev 1 Cat: F (Rel-17)

 Source: Ericsson*

(Replaces S6-212604)

**Discussion:**

Agreed during the closing call.

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

**S6-212605 EEC context handling in T-EES**

 *Type: CR For: (not specified)
 23.558 v17.1.0 CR-0067 Cat: F (Rel-17)

 Source: Ericsson, Samsung, Qualcomm*

**Discussion:**

Ericsson presented the S6-212605 during the CC#2.

(see also ppt presentation in S6-212664).

A further draft 212636\_rev1 was discussed during the CC#9.

**Decision:** The document was **revised to S6-212779**.

**S6-212779 EEC context handling in T-EES**

 *Type: CR For: -
 23.558 v17.1.0 CR-0067 rev 1 Cat: F (Rel-17)

 Source: Ericsson, Samsung, Qualcomm*

(Replaces S6-212605)

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

**S6-212607 Solve EN for ACR co-existence**

 *Type: CR For: (not specified)
 23.558 v17.1.0 CR-0068 Cat: F (Rel-17)

 Source: Ericsson*

**Decision:** The document was **revised to S6-212774**.

**S6-212774 Solve EN for ACR co-existence**

 *Type: CR For: -
 23.558 v17.1.0 CR-0068 rev 1 Cat: F (Rel-17)

 Source: Ericsson*

(Replaces S6-212607)

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

**S6-212610 Functional entity responsibilities related to ACR**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0069 Cat: F (Rel-17)

 Source: Vodafone España SA*

**Decision:** The document was **revised to S6-212801**.

**S6-212801 Functional entity responsibilities related to ACR**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0069 rev 1 Cat: F (Rel-17)

 Source: Vodafone España SA*

(Replaces S6-212610)

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

**S6-212618 Making ECSP ID mandatory**

 *Type: CR For: Decision
 23.558 v17.1.0 CR-0070 Cat: F (Rel-17)

 Source: Nokia, Nokia Shanghai Bell*

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

**S6-212628 ACR notify message correction**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0071 Cat: F (Rel-17)

 Source: Vodafone España SA*

**Decision:** The document was **revised to S6-212804**.

**S6-212804 ACR notify message correction**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0071 rev 1 Cat: F (Rel-17)

 Source: Vodafone España SA*

(Replaces S6-212628)

**Discussion:**

The draft S6-212804\_Rev1 was discussed during the closing call.

Huawei requested postponing the contribution.

Vodafone noted that the reason for change is valid but it is not enough to just change the message name. A complete correction can be brought next time.

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

**S6-212632 EDGEAPP\_EAS\_Discovery\_Fix**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0072 Cat: F (Rel-17)

 Source: Samsung*

**Decision:** The document was **revised to S6-212767**.

**S6-212767 EDGEAPP\_EAS\_Discovery\_Fix**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0072 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-212632)

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

**S6-212635 EDGEAPP Correlate ACR procedures**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0073 Cat: F (Rel-17)

 Source: Samsung, Ericsson*

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

**S6-212636 Cancellation Support in ACR**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0042 rev 3 Cat: F (Rel-17)

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

(Replaces S6-212308)

**Abstract:**

Proposal for Cancellation Support in ACR

**Discussion:**

The draft 212636\_rev1 was discussed during the CC#9.

**Decision:** The document was **revised to S6-212784**.

**S6-212784 Cancellation Support in ACR**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0042 rev 4 Cat: F (Rel-17)

 Source: Huawei, Hisilicon, China Mobile, China Telecom, CATT, Convida Wireless, Samsung, Ericsson*

(Replaces S6-212636)

**Discussion:**

The draft S6-212804\_Rev1 was discussed during the closing call.

**Decision:** The document was **revised to S6-212819**.

**S6-212819 Cancellation Support in ACR**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0042 rev 5 Cat: F (Rel-17)

 Source: Huawei, HiSilicon, China Mobile, China Telecom, CATT, Convida Wireless, Samsung, Ericsson, Qualcomm*

(Replaces S6-212784)

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

**S6-212637 Adding DNN/S-NSSAI information in EAS profile**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0056 rev 2 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212413)

**Abstract:**

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

**Decision:** The document was **revised to S6-212785**.

**S6-212785 Adding DNN/S-NSSAI information in EAS profile**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0056 rev 3 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212637)

**Discussion:**

Pre-agreed with draft Rev 2 content.

**Decision:** The document was **revised to S6-212817**.

**S6-212817 Adding DNN/S-NSSAI information in EAS profile**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0056 rev 4 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212785)

**Discussion:**

Pre-agreed with draft Rev 2 content.

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

**S6-212638 Correction to EASID description**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0059 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212313)

**Abstract:**

Proposal for Correction to EASID description

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

**S6-212639 Resolving the mismatch of selected ACR scenario between EEC and EAS**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0061 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212315)

**Abstract:**

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

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

**S6-212664 EDGEAPP Discussion\_on\_ACR\_Procedures**

 *Type: discussion For: Discussion
 23.558 v..
 Source: Samsung, Ericsson, Qualcomm*

**Discussion:**

Samsung presented the S6-212664 during the CC#2.

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

**S6-212676 Corrections to general requirements for service continuity**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0074 Cat: F (Rel-17)

 Source: Vodafone España SA*

**Decision:** The document was **revised to S6-212802**.

**S6-212802 Corrections to general requirements for service continuity**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0074 rev 1 Cat: F (Rel-17)

 Source: Vodafone España SA*

(Replaces S6-212676)

**Discussion:**

The draft S6-212802\_Rev1 was discussed during the closing call.

Huawei suggested adding "..(except EEL Managed ACR).."

Finally the only changes on top of draft S6-212802\_Rev1 are:

 - Undoing (deleting) the proposed text "Regardless of which entity makes the decision that another EAS is to serve the UE, the S-EAS can decide whether an existing application context is transferred to a new EAS.

NOTE: For example, transfer is unnecessary if a new application context will be created at the new EAS." and

 - Undoing the deletion of the note "NOTE: After a decision that another EAS is to serve the UE, the S-EAS can decide if the existing Application Context is transferred to the new EAS."

**Decision:** The document was **revised to S6-212834**.

**S6-212834 Corrections to general requirements for service continuity**

 *Type: CR For: Agreement
 23.558 v17.1.0 CR-0074 rev 2 Cat: F (Rel-17)

 Source: Vodafone España SA*

(Replaces S6-212802)

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

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

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

**S6-212523 Alignment of the term “USS/UTM” throughout TS 23.255**

 *Type: CR For: Agreement
 23.255 v17.1.0 CR-0019 Cat: F (Rel-17)

 Source: InterDigital*

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

**S6-212633 Removal of Editor’s Note in Introduction**

 *Type: CR For: Agreement
 23.255 v17.1.0 CR-0020 Cat: D (Rel-17)

 Source: InterDigital*

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

**S6-212634 Removal of Editor’s Notes in clause 5.2**

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

 Source: InterDigital*

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

**S6-212647 Missing IE for Realtime UAV status subscription request**

 *Type: CR For: Agreement
 23.255 v17.1.0 CR-0021 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Missing IE for Realtime UAV status subscription request

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

**S6-212663 Removal of Editor’s Notes in clause 5.2**

 *Type: CR For: Agreement
 23.255 v17.1.0 CR-0022 Cat: F (Rel-17)

 Source: InterDigital*

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

**S6-212668 Removal of Editor’s Notes in clause 7.3**

 *Type: CR For: Agreement
 23.255 v17.1.0 CR-0023 Cat: F (Rel-17)

 Source: InterDigital*

**Decision:** The document was **revised to S6-212711**.

**S6-212711 Removal of Editor’s Notes in clause 7.3**

 *Type: CR For: Agreement
 23.255 v17.1.0 CR-0023 rev 1 Cat: F (Rel-17)

 Source: InterDigital*

(Replaces S6-212668)

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

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

**S6-212563 TS 23.434 Replace the NSCM with NSCE to align the terminologies**

 *Type: CR For: (not specified)
 23.434 v17.3.0 CR-0084 Cat: F (Rel-17)

 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Discussion:**

The document S6-212563 was discussed during CC#4.

**Decision:** The document was **revised to S6-212766**.

**S6-212766 TS 23.434 Replace the NSCM with NSCE to align the terminologies**

 *Type: CR For: -
 23.434 v17.3.0 CR-0084 rev 1 Cat: F (Rel-17)

 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-212563)

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

**S6-212611 Complete location retrieval in an area**

 *Type: CR For: (not specified)
 23.434 v17.3.0 CR-0085 Cat: F (Rel-17)

 Source: Ericsson*

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

**S6-212621 Removal of PCP from TSC stream discovery**

 *Type: CR For: Approval
 23.434 v17.3.0 CR-0086 Cat: F (Rel-17)

 Source: Ericsson Telecomunicazioni SpA*

**Discussion:**

The draft S6-212621\_Rev1 was discussed during the closing call.

The only changes are to correct style of last sentence of clause 14.2.2.2 and correct clauses affected.

**Decision:** The document was **revised to S6-212820**.

**S6-212820 Removal of PCP from TSC stream discovery**

 *Type: CR For: Approval
 23.434 v17.3.0 CR-0086 rev 1 Cat: F (Rel-17)

 Source: Ericsson Telecomunicazioni SpA*

(Replaces S6-212621)

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

**S6-212631 eSEAL Add missing location area monitoring API**

 *Type: CR For: Agreement
 23.434 v17.3.0 CR-0087 Cat: F (Rel-17)

 Source: Samsung*

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

## 8 Rel-17 Work Items with Exception

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

**S6-212524 Message topic unsubcription**

 *Type: CR For: Approval
 23.554 v17.0.1 CR-0014 Cat: B (Rel-17)

 Source: Huawei,HiSilicon*

**Decision:** The document was **revised to S6-212751**.

**S6-212751 Message topic unsubcription**

 *Type: CR For: Approval
 23.554 v17.0.1 CR-0014 rev 1 Cat: B (Rel-17)

 Source: Huawei,HiSilicon*

(Replaces S6-212524)

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

**S6-212525 Editorial corrections**

 *Type: CR For: Approval
 23.554 v17.0.1 CR-0015 Cat: F (Rel-17)

 Source: Huawei,HiSilicon*

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

**S6-212526 Corrections on broadcast**

 *Type: CR For: Approval
 23.554 v17.0.1 CR-0016 Cat: F (Rel-17)

 Source: Huawei,HiSilicon*

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

**S6-212527 Alignment on Message Gateway IE name**

 *Type: CR For: Approval
 23.554 v17.0.1 CR-0017 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

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

**S6-212528 Remove one IE from AS originating message send request**

 *Type: CR For: Approval
 23.554 v17.0.1 CR-0018 Cat: F (Rel-17)

 Source: Huawei,HiSilicon*

**Decision:** The document was **revised to S6-212753**.

**S6-212753 Remove one IE from AS originating message send request**

 *Type: CR For: Approval
 23.554 v17.0.1 CR-0018 rev 1 Cat: F (Rel-17)

 Source: Huawei,HiSilicon*

(Replaces S6-212528)

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

**S6-212601 Correction on Message Aggregation**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0019 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212752**.

**S6-212752 Correction on Message Aggregation**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0019 rev 1 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

(Replaces S6-212601)

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

**S6-212602 Security aspect of MSGin5G align with SA3**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0020 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212754**.

**S6-212754 Security aspect of MSGin5G align with SA3**

 *Type: CR For: Agreement
 23.554 v17.0.1 CR-0020 rev 1 Cat: F (Rel-17)

 Source: China Mobile Com. Corporation*

(Replaces S6-212602)

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

## 9 Rel-18 Work Items

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

**S6-212530 FFAPP Application Architecture**

 *Type: pCR For: Approval
 23.545 v0.1.0
 Source: ZTE Corporation*

**Discussion:**

The draft 212530\_rev1 was discussed during the CC#5.

**Decision:** The document was **revised to S6-212740**.

**S6-212740 FFAPP Application Architecture**

 *Type: pCR For: Approval
 23.545 v0.1.0
 Source: ZTE Corporation*

(Replaces S6-212530)

**Discussion:**

The draft S6-212740\_Rev1 and Rev2 were discussed during the closing call.

Deutsche Telekom did not agree to the contribution due to lacking in showing service based architecture.

Huawei indicated support for the contribution.

Finally the only changes on top of S6-212740\_Rev2 are

 - deleting the Figure 5.2-1 and

 - replace the EN with "Editor’s Note: The service based representation and the reference point based architecture representation for FFAPP Service is FFS.

**Decision:** The document was **revised to S6-212822**.

**S6-212822 FFAPP Architecture**

 *Type: pCR For: Approval
 23.545 v0.1.0
 Source: ZTE Corporation*

(Replaces S6-212740)

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

**S6-212531 FFAPP functional entities**

 *Type: pCR For: Approval
 23.545 v0.1.0
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-212741**.

**S6-212741 FFAPP functional entities**

 *Type: pCR For: Approval
 23.545 v0.1.0
 Source: ZTE Corporation*

(Replaces S6-212531)

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

**S6-212532 FFAPP Reference points**

 *Type: pCR For: Approval
 23.545 v0.1.0
 Source: ZTE Corporation*

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

**S6-212533 FFAPP External reference points**

 *Type: pCR For: Approval
 23.545 v0.1.0
 Source: ZTE Corporation*

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

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

**S6-212513 Discussion & proposal on use of 5MBS “service mode” features for MC services**

 *Type: discussion For: Agreement
 23.289 v..
 Source: AT&T*

**Discussion:**

AT&T presented the S6-212513 during the CC#1.

The contribution was further discussed during CC#6.

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

**S6-212514 Discussion & proposal on solutions for MC interworking between eMBMS and 5MBS**

 *Type: discussion For: Agreement
 23.289 v..
 Source: AT&T*

**Discussion:**

AT&T presented the S6-212514 during the CC#1.

The contribution was further discussed during CC#6.

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

**S6-212515 Architecture for MC/5MBS**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0011 Cat: B (Rel-18)

 Source: AT&T*

**Discussion:**

The contribution S6-212515 was discussed during CC#6.

**Decision:** The document was **revised to S6-212762**.

**S6-212762 Architecture for MC/5MBS**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0011 rev 1 Cat: B (Rel-18)

 Source: AT&T*

(Replaces S6-212515)

**Discussion:**

S6-212762\_Rev1 was discussed during the closing call.

Only changes on top of S6-212762\_Rev1 are:

 - EN The architecture representations and reference points in clause 4.x are FFS.

**Decision:** The document was **revised to S6-212823**.

**S6-212823 Architecture for MC/5MBS**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0011 rev 2 Cat: B (Rel-18)

 Source: AT&T, CBN*

(Replaces S6-212762)

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

**S6-212554 MBS architectural and functionalities**

 *Type: CR For: (not specified)
 23.289 v17.0.0 CR-0012 Cat: B (Rel-18)

 Source: CBN*

**Decision:** The document was **revised to S6-212562**.

**S6-212562 MBS architectural and functionalities**

 *Type: CR For: (not specified)
 23.289 v17.0.0 CR-0012 rev 1 Cat: B (Rel-18)

 Source: CBN*

(Replaces S6-212554)

**Decision:** The document was **revised to S6-212768**.

**S6-212768 MBS architectural and functionalities**

 *Type: CR For: -
 23.289 v17.0.0 CR-0012 rev 2 Cat: B (Rel-18)

 Source: CBN, Huawei, Hisiliconm, AT&T, Ericsson*

(Replaces S6-212562)

**Discussion:**

S6-212768\_Rev2 was discussed during the closing call.

Only change on top of S6-212768\_Rev2 is Adding in clause 5.4.1 and EN "The architecture representation for MCPTT, MCVideo and MCData needs to be aligned with clause 4.x."

**Decision:** The document was **revised to S6-212824**.

**S6-212824 MBS architectural and functionalities**

 *Type: CR For: -
 23.289 v17.0.0 CR-0012 rev 3 Cat: B (Rel-18)

 Source: CBN, Huawei, Hisilicon, AT&T, Ericsson*

(Replaces S6-212768)

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

**S6-212573 Request for creation MBS resources for group communications**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0014 Cat: B (Rel-18)

 Source: Ericsson*

**Decision:** The document was **revised to S6-212708**.

**S6-212708 Request for creation MBS resources for group communications**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0014 rev 1 Cat: B (Rel-18)

 Source: Ericsson, Huawei*

(Replaces S6-212573)

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

**S6-212574 MBS service announcement procedure**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0015 Cat: B (Rel-18)

 Source: Ericsson*

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

**S6-212575 Request for updating MBS resources for group communications**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0016 Cat: B (Rel-18)

 Source: Ericsson*

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

**S6-212576 Request to activate or de-activate multicast MBS sessions**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0017 Cat: B (Rel-18)

 Source: Ericsson*

**Decision:** The document was **revised to S6-212709**.

**S6-212709 Request to activate or de-activate multicast MBS sessions**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0017 rev 1 Cat: B (Rel-18)

 Source: Ericsson*

(Replaces S6-212576)

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

**S6-212579 MBS resources usage and requirements for MC group communications**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0018 Cat: B (Rel-18)

 Source: Ericsson*

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

**S6-212584 MCPTT and MCVideo functional model update to enable MC services over MBS**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0019 Cat: B (Rel-18)

 Source: Ericsson*

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

**S6-212642 MC service media distribution over 5G MBS**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0007 rev 2 Cat: B (Rel-18)

 Source: Huawei, Hisilicon*

(Replaces S6-212426)

**Abstract:**

Proposal for MC service media distribution over 5G MBS

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

**S6-212643 Procedure for MBS session creation and service announcement**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0003 rev 2 Cat: B (Rel-18)

 Source: Huawei, Hisilicon*

(Replaces S6-212423)

**Abstract:**

Proposal for Procedure for MBS session creation and service announcement

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

**S6-212644 MC service control signalling over 5G MBS**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0020 Cat: B (Rel-18)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for MC service control signalling over 5G MBS

**Decision:** The document was **revised to S6-212787**.

**S6-212787 MC service control signalling over 5G MBS**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0020 rev 1 Cat: B (Rel-18)

 Source: Huawei, Hisilicon*

(Replaces S6-212644)

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

**S6-212645 Multi-server MBS session coordination**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0021 Cat: B (Rel-18)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Multi-server MBS session coordination

**Decision:** The document was **revised to S6-212788**.

**S6-212788 Multi-server MBS session coordination**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0021 rev 1 Cat: B (Rel-18)

 Source: Huawei, Hisilicon*

(Replaces S6-212645)

**Discussion:**

The content of S6-212788 rev 2 was agreed to during the closing call.

**Decision:** The document was **revised to S6-212825**.

**S6-212825 Multi-server MBS session coordination**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0021 rev 2 Cat: B (Rel-18)

 Source: Huawei, Hisilicon*

(Replaces S6-212788)

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

**S6-212646 Procedure for inter-system mobility between eMBMS and 5G MBS**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0022 Cat: B (Rel-18)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Procedure for inter-system mobility between eMBMS and 5G MBS

**Decision:** The document was **revised to S6-212789**.

**S6-212789 Procedure for inter-system mobility between eMBMS and 5G MBS**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0022 rev 1 Cat: B (Rel-18)

 Source: Huawei, Hisilicon*

(Replaces S6-212646)

**Discussion:**

The draft S6-212789 rev 1 was discussed during the closing call.

Ericsson still had concerns with the contribution with the proposal giving the impression being seamless.

Finally the contents of draft S6-212789 rev 2 was agreed.

**Decision:** The document was **revised to S6-212835**.

**S6-212835 Procedure for inter-system mobility between eMBMS and 5G MBS**

 *Type: CR For: Agreement
 23.289 v17.0.0 CR-0022 rev 2 Cat: B (Rel-18)

 Source: Huawei, Hisilicon*

(Replaces S6-212789)

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

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

**S6-212567 Connection authorisation mechanisms**

 *Type: CR For: Agreement
 23.280 v17.8.0 CR-0302 Cat: B (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Section 11.5.1 is updated to capture the information flows and procedures for enabling connection authorisation.

**Decision:** The document was **revised to S6-212699**.

**S6-212699 Connection authorisation mechanisms**

 *Type: CR For: Agreement
 23.280 v17.8.0 CR-0302 rev 1 Cat: B (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-212567)

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

**S6-212568 Connection authorisation configuration data**

 *Type: CR For: Agreement
 23.379 v17.8.0 CR-0300 Cat: B (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Annex 5 on MCPTT service configuration data is enhanced with configuration data enabling connection authorisation my the MCPTT server

**Decision:** The document was **revised to S6-212700**.

**S6-212700 Connection authorisation configuration data**

 *Type: CR For: Agreement
 23.379 v17.8.0 CR-0300 rev 1 Cat: B (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-212568)

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

**S6-212569 Connection authorisation configuration data**

 *Type: CR For: Agreement
 23.281 v17.6.0 CR-0159 Cat: B (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Annex 5 on MCVideo service configuration data is enhanced with configuration data enabling connection authorisation my the MCVideo server.

**Decision:** The document was **revised to S6-212701**.

**S6-212701 Connection authorisation configuration data**

 *Type: CR For: Agreement
 23.281 v17.6.0 CR-0159 rev 1 Cat: B (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-212569)

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

**S6-212570 Connection authorisation configuration data**

 *Type: CR For: Agreement
 23.282 v17.8.0 CR-0290 Cat: B (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Annex 5 on MCData service configuration data is enhanced with configuration data enabling connection authorisation my the MCData server.

**Decision:** The document was **revised to S6-212702**.

**S6-212702 Connection authorisation configuration data**

 *Type: CR For: Agreement
 23.282 v17.8.0 CR-0290 rev 1 Cat: B (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-212570)

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

**S6-212571 Functional architecture**

 *Type: CR For: Agreement
 23.280 v17.8.0 CR-0303 Cat: B (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Section 11.2 is updated to capture the functional model supporting MC gateway UEs.

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

## 10 Rel-18 Study Items

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

**S6-212557 Modification on Solution 9**

 *Type: pCR For: Approval
 23.783 v1.7.0
 Source: TD Tech Ltd*

**Discussion:**

The (late) S6-212557 was approved during the closing call.

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

**S6-212581 pCR on updating solution 8**

 *Type: pCR For: Approval
 23.783 v1.7.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212710**.

**S6-212710 pCR on updating solution 8**

 *Type: pCR For: Approval
 23.783 v1.7.0
 Source: Ericsson*

(Replaces S6-212581)

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

**S6-212658 Co-existence of eMBMS and 5G MBS**

 *Type: pCR For: Approval
 23.783 v1.7.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Co-existence of eMBMS and 5G MBS

**Decision:** The document was **revised to S6-212798**.

**S6-212798 Co-existence of eMBMS and 5G MBS**

 *Type: pCR For: Approval
 23.783 v1.7.0
 Source: Huawei*

(Replaces S6-212658)

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

**S6-212659 Conclusion for Service continuity for 4G MBS and 5G MBS**

 *Type: pCR For: Approval
 23.783 v1.7.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Conclusion for Service continuity for 4G MBS and 5G MBS

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

**S6-212660 Service continuity for broadcast and multicast MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.7.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Service continuity for broadcast and multicast MBS sessions

**Decision:** The document was **revised to S6-212799**.

**S6-212799 Service continuity for broadcast and multicast MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.7.0
 Source: Huawei*

(Replaces S6-212660)

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

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

**S6-212564 Key issue on Migration without interconnection**

 *Type: pCR For: Approval
 23.700-90 v1.1.0
 Source: BDBOS*

**Abstract:**

New Key Issue to enable an MC service user to obtain MC service directly from a another MC system, where there is no interconnection between the two MC systems.

**Decision:** The document was **revised to S6-212695**.

**S6-212695 Key issue on Migration without interconnection**

 *Type: pCR For: Approval
 23.700-90 v1.1.0
 Source: BDBOS*

(Replaces S6-212564)

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

**S6-212565 Solution on offline-Migration**

 *Type: pCR For: Approval
 23.700-90 v1.1.0
 Source: BDBOS*

**Abstract:**

This contribution proposes a solution for key issue “Migration without interconnection” and describes how an MC service user can be enabled to migrate to a MC partner system, where there is no interconnection between the primary and the partner MC systems

**Decision:** The document was **revised to S6-212696**.

**S6-212696 Solution on offline-Migration**

 *Type: pCR For: Approval
 23.700-90 v1.1.0
 Source: BDBOS*

(Replaces S6-212565)

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

**S6-212566 Overall Evaluation update**

 *Type: pCR For: Approval
 23.700-90 v1.1.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

This contribution updates the overall evaluation capturing the agreements in SA6#45-bis-e.

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

**S6-212606 New Solution for call forwarding between MCPTT users in different MCPTT systems**

 *Type: pCR For: Approval
 23.700-90 v1.1.0
 Source: Kontron Transportation France, Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S6-212697**.

**S6-212697 New Solution for call forwarding between MCPTT users in different MCPTT systems**

 *Type: pCR For: Approval
 23.700-90 v1.1.0
 Source: Kontron Transportation France, Nokia, Nokia Shanghai Bell*

(Replaces S6-212606)

**Discussion:**

Approved during the closing call.

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

**S6-212616 Pseudo-CR on optimize the connectivity between MC systems**

 *Type: pCR For: Approval
 23.700-90 v1.1.0
 Source: UIC, Nokia, Nokia Shanghai Bell*

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

**S6-212617 Pseudo-CR on interconnection between MC systems**

 *Type: pCR For: Approval
 23.700-90 v1.1.0
 Source: UIC, Nokia, Nokia Shanghai Bell, Kontron Transportation France*

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

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

**S6-212510 Key issues on exposure network slice capability in the edge data network**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S6-212733**.

**S6-212733 Key issues on exposure network slice capability in the edge data network**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: AsiaInfo Technologies Inc*

(Replaces S6-212510)

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

**S6-212512 Solution to KI #6 on application layer QoS verification capability exposure**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: AsiaInfo,Huawei*

**Decision:** The document was **revised to S6-212736**.

**S6-212736 Solution to KI #6 on application layer QoS verification capability exposure**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: AsiaInfo, Huawei*

(Replaces S6-212512)

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

**S6-212734 Solution to KI #6 on application layer QoS verification capability exposure**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: AsiaInfo,Huawei*

**Discussion:**

Double of S6-212736, hence withdrawn.

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

**S6-212536 Editorial correction to Figure 6.2.1.2-1**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes an editorial correction to Figure 6.2.1.2-1.

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

**S6-212545 DP on Slice Enabler Layer deployment, role**

 *Type: discussion For: (not specified)
 23.700-99 v..
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

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

**S6-212546 Add example of KQI translation**

 *Type: pCR For: (not specified)
 23.700-99 v0.3.0
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

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

**S6-212547 Add solutions of performance and analytics exposure**

 *Type: pCR For: (not specified)
 23.700-99 v0.3.0
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **revised to S6-212764**.

**S6-212764 Add solutions of performance and analytics exposure**

 *Type: pCR For: -
 23.700-99 v0.3.0
 Source: Huawei, China Mobile*

(Replaces S6-212547)

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

**S6-212548 Align the terminologies of network slice management exposure**

 *Type: pCR For: (not specified)
 23.700-99 v0.3.0
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **revised to S6-212765**.

**S6-212765 Align the terminologies of network slice management exposure**

 *Type: pCR For: -
 23.700-99 v0.3.0
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-212548)

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

**S6-212551 Pseudo-CR on new KI on Multi-Network Slice Management**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

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

**S6-212552 Pseudo-CR on architectural requirements**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

**Discussion:**

The document S6-212552 was discussed during CC#4.

**Decision:** The document was **revised to S6-212761**.

**S6-212761 Pseudo-CR on architectural requirements**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212552)

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

**S6-212553 Pseudo-CR on security requirements**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212763**.

**S6-212763 Pseudo-CR on security requirements**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212553)

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

**S6-212577 KI 7 update**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

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

**S6-212578 solution for KI 7**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

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

**S6-212580 new KI on network slice optimization**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212722**.

**S6-212722 new KI on network slice optimization**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212580)

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

**S6-212582 Solution for network slice optimization**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

**Discussion:**

The document S6-212582 was discussed during CC#4.

**Decision:** The document was **revised to S6-212723**.

**S6-212723 Solution for network slice optimization**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212582)

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

**S6-212583 Solution for KI#9- VAL server authorization and authentication**

 *Type: pCR For: (not specified)
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212724**.

**S6-212724 Solution for KI#9- VAL server authorization and authentication**

 *Type: pCR For: -
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212583)

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

**S6-212585 solution for KI#3 network slice capability registration and discovery**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212725**.

**S6-212725 Solution for KI#3 network slice capability registration and discovery**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212585)

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

**S6-212586 Solution evaluation for solution 2**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

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

**S6-212587 Solution evaluation for solution 2**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212726**.

**S6-212726 Solution evaluation for solution 2**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212587)

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

**S6-212588 Solution evaluation for solution 1**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

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

**S6-212589 Solution evaluation for solution 1**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212727**.

**S6-212727 Solution evaluation for solution 1**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212589)

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

**S6-212597 Reference Correction**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: Samsung Electronics Polska*

**Discussion:**

S6-212597 was discussed during the closing call.

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

**S6-212598 new KI on Acknowledgement on Network Slice to 3rd Party**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: Samsung Electronics Polska*

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

**S6-212599 new KI on Network Slice Allocation to the third-party and UE**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: Samsung Electronics Polska*

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

**S6-212665 Solution on MnS discovery via NSCM layer**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This contribution provides a solution to KI #3 on supporting the discovery of management services at the NSCM layer.

**Decision:** The document was **revised to S6-212755**.

**S6-212755 Solution on MnS discovery via NSCM layer**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: Lenovo, Motorola Mobility, CMCC*

(Replaces S6-212665)

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

**S6-212666 Key Issue on slice continuity support**

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

(Replaces S6-212399)

**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 S6-212756**.

**S6-212756 Key Issue on slice continuity support**

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

(Replaces S6-212666)

**Discussion:**

The draft S6-212756\_Rev1 was discussed during the closing call.

Deutsche Telekom did not agree to the proposal (life cycle management vs UE mobility).

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

**S6-212669 Solution on slice continuity support**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This contribution provides a solution for the Key Issue on slice continuity support, which is discussed in S6-212666.

**Discussion:**

The document S6-212669 was discussed during CC#4.

**Decision:** The document was **revised to S6-212757**.

**S6-212757 Solution on slice continuity support**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: Lenovo, Motorola Mobility*

(Replaces S6-212669)

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

**S6-212672 FS\_NSCALE\_Solution\_For\_KI#10**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212770**.

**S6-212770 FS\_NSCALE\_Solution\_For\_KI#10**

 *Type: pCR For: Approval
 23.700-99 v0.3.0
 Source: Samsung*

(Replaces S6-212672)

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

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

**S6-212538 Discussion on the resource owner registration handling function**

 *Type: discussion For: Discussion
 23.700-95 v..
 Source: NTT DOCOMO*

**Abstract:**

Discussion to study which CAPIF entity should act as the Resource Owner Registration Handling Function.

**Discussion:**

NTT DOCOMO presented the document S6-212538 during CC#3.

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

**S6-212539 Clarification of the resource owner registration handling function**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to clarify that the AEF acts as the resource owner registration handling function.

**Decision:** The document was **revised to S6-212808**.

**S6-212808 Clarification of the resource owner registration handling function**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: NTT DOCOMO*

(Replaces S6-212539)

**Discussion:**

The content of draft S6-212808\_Rev2 was approved to during the closing call.

**Decision:** The document was **revised to S6-212826**.

**S6-212826 Clarification of the resource owner registration handling function**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: NTT DOCOMO*

(Replaces S6-212808)

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

**S6-212540 Cascade registration**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a procedure to enable cascade registration for the resource owner.

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

**S6-212541 Updating user consent**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a procedure to update user consent prior to service API invocation.

**Decision:** The document was **revised to S6-212809**.

**S6-212809 Updating user consent**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: NTT DOCOMO*

(Replaces S6-212541)

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

**S6-212542 Determination of APIs requiring user consent**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a solution to determine APIs that require user consent.

**Decision:** The document was **revised to S6-212810**.

**S6-212810 Determination of APIs requiring user consent**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: NTT DOCOMO*

(Replaces S6-212542)

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

**S6-212543 Evaluation of Solution #1**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes an evaluation of Solution #1.

**Decision:** The document was **revised to S6-212811**.

**S6-212811 Evaluation of Solution #1**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: NTT DOCOMO*

(Replaces S6-212543)

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

**S6-212544 Evaluation of Solution #2**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes an evaluation of Solution #2.

**Decision:** The document was **revised to S6-212812**.

**S6-212812 Evaluation of Solution #2**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: NTT DOCOMO*

(Replaces S6-212544)

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

**S6-212629 Pseudo-CR on New Key Issue on detection of subscriber centric API**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: Samsung*

(Replaces S6-212110)

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

**S6-212630 pCR-SNAPP-Solution to KI#4**

 *Type: pCR For: Approval
 23.700-95 v0.3.0
 Source: Samsung*

(Replaces S6-212449)

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

### 10.5 FS\_ACE\_IOT - Study on Application Capability Exposure for IoT Platforms

**S6-212612 Application Server monitoring via CAPIF**

 *Type: pCR For: (not specified)
 23.700-97 v0.3.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212773**.

**S6-212773 Application Server monitoring via CAPIF**

 *Type: pCR For: -
 23.700-97 v0.3.0
 Source: Ericsson*

(Replaces S6-212612)

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

**S6-212670 FS\_ACE\_IOT Updates to Application Service Monitoring**

 *Type: pCR For: Approval
 23.700-97 v0.3.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212769**.

**S6-212769 FS\_ACE\_IOT Updates to Application Service Monitoring**

 *Type: pCR For: Approval
 23.700-97 v0.3.0
 Source: Samsung*

(Replaces S6-212670)

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

**S6-212683 IoT Platform deployments**

 *Type: pCR For: Agreement
 23.700-97 v0.3.0
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-212713**.

**S6-212713 IoT Platform deployments**

 *Type: pCR For: Agreement
 23.700-97 v0.3.0
 Source: Convida Wireless LLC*

(Replaces S6-212683)

**Discussion:**

The content of draft S6-212713\_Rev2 was approved to during the closing call.

**Decision:** The document was **revised to S6-212827**.

**S6-212827 IoT Platform deployments**

 *Type: pCR For: Agreement
 23.700-97 v0.3.0
 Source: Convida Wireless LLC*

(Replaces S6-212713)

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

**S6-212684 IoT Platfrm device triggering KI**

 *Type: pCR For: Agreement
 23.700-97 v0.3.0
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-212714**.

**S6-212714 IoT Platfrm device triggering KI**

 *Type: pCR For: Agreement
 23.700-97 v0.3.0
 Source: Convida Wireless LLC*

(Replaces S6-212684)

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

### 10.6 FS\_5GFLS - Study on 5G-enabled fused location service capability exposure

**S6-212656 Key issue on sharing location information across VAL servers**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on sharing location information across VAL servers

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

**S6-212657 Solution on sharing location information across VAL servers**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on sharing location information across VAL servers

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

**S6-212667 FS\_5GFLS\_Architecture Update**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: Samsung*

**Discussion:**

S6-212667 was discussed during the closing call.

After lengthy discussion the only change is replacing "The location management server is enhanced to provide fused location service by acquiring location information from one or more sources including:" with

"The location management server can be enhanced with fused location functionality by acquiring location information from one or more sources including:"

**Decision:** The document was **revised to S6-212836**.

**S6-212836 FS\_5GFLS\_Architecture Update**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: Samsung*

(Replaces S6-212667)

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

**S6-212675 Solution on KI #4 - support for fused location service enablement**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This contribution presents a solution for the Key Issue #4 for supporting hybrid positioning and fused location services

**Decision:** The document was **revised to S6-212759**.

**S6-212759 Solution on KI #4 - support for fused location service enablement**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: Lenovo, Motorola Mobility*

(Replaces S6-212675)

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

**S6-212677 Pseudo-CR on updates to interface descriptions in solution#1**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: CATT*

**Decision:** The document was **revised to S6-212704**.

**S6-212704 Pseudo-CR on updates to interface descriptions in solution#1**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: CATT*

(Replaces S6-212677)

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

**S6-212678 Pseudo-CR on fused location service configuration**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: CATT*

**Decision:** The document was **revised to S6-212705**.

**S6-212705 Pseudo-CR on fused location service configuration**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: CATT*

(Replaces S6-212678)

**Discussion:**

The contents of draft S6-212705\_Rev1 was approved during the closing call.

**Decision:** The document was **revised to S6-212828**.

**S6-212828 Pseudo-CR on fused location service configuration**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: CATT*

(Replaces S6-212705)

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

**S6-212679 Pseudo-CR on solution on location service registration**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: CATT*

**Decision:** The document was **revised to S6-212706**.

**S6-212706 Pseudo-CR on solution on location service registration**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: CATT*

(Replaces S6-212679)

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

**S6-212680 Pseudo-CR on new key issue on support for geo-fencing**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: CATT*

**Discussion:**

The document 212680 was discussed during the CC#5.

**Decision:** The document was **revised to S6-212707**.

**S6-212707 Pseudo-CR on new key issue on support for geo-fencing**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: CATT*

(Replaces S6-212680)

**Discussion:**

The content of draft S6-212707\_Rev2 was discussed during the closing call.

Qualcomm suggested deleting the second bullet in clause 5.x.

Samsung suggested replacing "The following aspects can be addressed in the study:" with "The following aspects can be addressed in the study taking into account existing mechanisms in 3GPP TS 23.434" or adding an EN: The solution for this key issue should not duplicate existing functionality in 3GPP TS 23.434.

CATT agreed to the deletion of the bullet as proposed.

The only changes on top of S6-212707\_Rev2 are:

 - replacing "..further studies can investigate common functionalities.." with "further studies should investigate common functionalities.."

 - deleting the second bullet in clause 5.x.

**Decision:** The document was **revised to S6-212837**.

**S6-212837 Pseudo-CR on new key issue on support for geo-fencing**

 *Type: pCR For: Approval
 23.700-96 v0.3.0
 Source: CATT*

(Replaces S6-212707)

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

### 10.7 FS\_eEDGEAPP - Study on enhanced Application Architecture for enabling Edge Applications

**S6-212520 FS\_eEDGEAPP: EAS Dual Application Registration**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Intel, Nokia*

(Replaces S6-212380)

**Decision:** The document was **revised to S6-212738**.

**S6-212738 FS\_eEDGEAPP: EAS Dual Application Registration**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Intel, Nokia*

(Replaces S6-212520)

**Discussion:**

Draft S6-212738\_Rev1 was discussed during the closing call.

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

**S6-212521 Edge Dual Deployment Considerations**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Intel Technology India Pvt Ltd*

**Decision:** The document was **revised to S6-212739**.

**S6-212739 Edge Dual Deployment Considerations**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-212521)

**Discussion:**

Draft S6-212739\_Rev5 was discussed and contents approved during the closing call.

Samsung suggested on top of S6-212739\_Rev5 removing changes over changes.

**Decision:** The document was **revised to S6-212832**.

**S6-212832 Edge Dual Deployment Considerations**

 *Type: pCR For: Approval
 23.700-98 v0.2.0
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-212739)

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

**S6-212529 Key issue on support efficient content delivery in edge data network**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: AsiaInfo,China Mobile*

**Decision:** The document was **revised to S6-212735**.

**S6-212735 Key issue on support efficient content delivery in edge data network**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: AsiaInfo,China Mobile*

(Replaces S6-212529)

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

**S6-212535 New reference point between ECSs**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to define a new reference point (EDGE-10) between ECSs.

**Decision:** The document was **revised to S6-212807**.

**S6-212807 New reference point between ECSs**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: NTT DOCOMO*

(Replaces S6-212535)

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

**S6-212549 Solution #8 update: Service KPIs in CAPIF for EAS Service APIs**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: ETRI, Uangel*

**Abstract:**

This paper proposes to modify solution #8 by adding Service KPI-related information elements in CAPIF to support EAS Service APIs as described in KI#2.

**Decision:** The document was **revised to S6-212720**.

**S6-212720 Solution #8 update: Service KPIs in CAPIF for EAS Service APIs**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: ETRI, Uangel*

(Replaces S6-212549)

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

**S6-212550 New solution - Interworking with ETSI MEC using CAPIF**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: ETRI, Uangel*

**Abstract:**

This paper provides a new solution to address KI#5: Alignment of EDGEAPP and ETSI MEC in interworking with ETSI MEC using CAPIF for exposing/invoking APIs.

**Decision:** The document was **revised to S6-212721**.

**S6-212721 New solution - Interworking with ETSI MEC using CAPIF**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: ETRI, Uangel*

(Replaces S6-212550)

**Discussion:**

Draft S6-212721\_Rev1 was discussed and contents approved during the closing call.

**Decision:** The document was **revised to S6-212831**.

**S6-212831 New solution - Interworking with ETSI MEC using CAPIF**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: ETRI, Uangel*

(Replaces S6-212721)

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

**S6-212558 Update ECS configuration information to support roaming and federation**

 *Type: pCR For: (not specified)
 23.700-98 v0.3.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212747**.

**S6-212747 Update ECS configuration information to support roaming and federation**

 *Type: pCR For: -
 23.700-98 v0.3.0
 Source: Samsung*

(Replaces S6-212558)

**Discussion:**

Draft S6-212747\_Rev1 was discussed during the closing call.

Huawei had still concerns with the contribution, more discussion needed.

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

**S6-212559 HR roaming architecture**

 *Type: pCR For: (not specified)
 23.700-98 v0.3.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212748**.

**S6-212748 HR roaming architecture**

 *Type: pCR For: -
 23.700-98 v0.3.0
 Source: Samsung*

(Replaces S6-212559)

**Discussion:**

S6-212748 was discussed and approved during the closing call.

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

**S6-212560 Handling DNN information configured in AC**

 *Type: pCR For: (not specified)
 23.700-98 v0.3.0
 Source: Samsung*

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

**S6-212561 Service continuity planning allowance**

 *Type: pCR For: (not specified)
 23.700-98 v0.3.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212749**.

**S6-212749 Service continuity planning allowance**

 *Type: pCR For: -
 23.700-98 v0.3.0
 Source: Samsung*

(Replaces S6-212561)

**Discussion:**

Draft S6-212749\_Rev1 was discussed during the closing call.

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

**S6-212591 Solution for KI 14**

 *Type: pCR For: (not specified)
 23.700-98 v0.3.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212729**.

**S6-212729 Solution for KI 14**

 *Type: pCR For: -
 23.700-98 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212591)

**Discussion:**

Draft S6-212729\_Rev1 was discussed and the contents approved during the closing call.

**Decision:** The document was **revised to S6-212829**.

**S6-212829 Solution for KI 14**

 *Type: pCR For: -
 23.700-98 v0.3.0
 Source: China Mobile Com. Corporation, Ericsson*

(Replaces S6-212729)

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

**S6-212592 Update evaluation of solution 4**

 *Type: pCR For: (not specified)
 23.700-98 v0.3.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212730**.

**S6-212730 Update evaluation of solution 4**

 *Type: pCR For: -
 23.700-98 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212592)

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

**S6-212593 Solution for KI#12-EAS discovery for different users**

 *Type: pCR For: (not specified)
 23.700-98 v0.3.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212731**.

**S6-212731 Solution for KI#12-EAS discovery for different users**

 *Type: pCR For: -
 23.700-98 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212593)

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

**S6-212594 Support for constrained devices**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212732**.

**S6-212732 Support for constrained devices**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212594)

**Discussion:**

Draft S6-212732\_Rev2 was discussed and the contents approved during the closing call.

**Decision:** The document was **revised to S6-212830**.

**S6-212830 Support for constrained devices**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212732)

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

**S6-212613 EDGE-1 and 4 communication via 3GPP system CP**

 *Type: pCR For: (not specified)
 23.700-98 v0.3.0
 Source: Ericsson*

**Discussion:**

Ericsson presented the S6-212613 during the CC#2.

**Decision:** The document was **revised to S6-212777**.

**S6-212777 EDGE-1 and 4 communication via 3GPP system CP**

 *Type: pCR For: -
 23.700-98 v0.3.0
 Source: Ericsson*

(Replaces S6-212613)

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

**S6-212614 Traffic influence in initial EAS selection**

 *Type: pCR For: (not specified)
 23.700-98 v0.3.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212778**.

**S6-212778 Traffic influence in initial EAS selection**

 *Type: pCR For: -
 23.700-98 v0.3.0
 Source: Ericsson*

(Replaces S6-212614)

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

**S6-212619 Addition of solution to key issue on NAT deployments**

 *Type: pCR For: Decision
 23.700-98 v0.3.0
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

The draft 212619\_rev1 was discussed during the CC#9.

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

**S6-212623 New solution for enhancements to service continuity planning**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: KPN N.V.*

**Discussion:**

The draft 212623\_rev1 was discussed during the CC#5.

**Decision:** The document was **revised to S6-212760**.

**S6-212760 New solution for enhancements to service continuity planning**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: KPN N.V.*

(Replaces S6-212623)

**Discussion:**

Draft S6-212760\_Rev1 was discussed during the closing call.

Huawei still had concerns.

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

**S6-212624 Replacing EAS service area with EAS Geographic service area in Solution #7**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: KPN N.V.*

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

**S6-212625 Solution for KI#9 - Enhancement of dynamic EAS instantiation triggering**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: InterDigital*

**Decision:** The document was **revised to S6-212719**.

**S6-212719 Solution for KI#9 - Enhancement of dynamic EAS instantiation triggering**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: InterDigital*

(Replaces S6-212625)

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

**S6-212651 Solution for KI#5 deployment options of EDGEAPP and ETSI MEC platforms**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for KI#5 deployment options of EDGEAPP and ETSI MEC platforms

**Decision:** The document was **revised to S6-212793**.

**S6-212793 Solution for KI#5 deployment options of EDGEAPP and ETSI MEC platforms**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: Huawei, Hisilicon*

(Replaces S6-212651)

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

**S6-212652 Solution for KI#3 - Enhancements to service continuity planning for ACR modification**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for KI#3 - Enhancements to service continuity planning for ACR modification

**Decision:** The document was **revised to S6-212794**.

**S6-212794 Solution for KI#3 - Enhancements to service continuity planning for ACR modification**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: Huawei, Hisilicon*

(Replaces S6-212652)

**Discussion:**

Draft S6-212794\_Rev1 was discussed during the closing call.

Ericsson suggested removing entire steps 2 & 3.

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

**S6-212653 Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time

**Discussion:**

The draft 212653\_rev1 was discussed during the CC#5.

**Decision:** The document was **revised to S6-212795**.

**S6-212795 Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: Huawei, Hisilicon*

(Replaces S6-212653)

**Discussion:**

Draft S6-212795\_Rev1 was discussed during the closing call.

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

**S6-212654 Evaluation of solution #7**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Evaluation of solution #7

**Decision:** The document was **revised to S6-212796**.

**S6-212796 Evaluation of solution #7**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: Huawei, Hisilicon*

(Replaces S6-212654)

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

**S6-212655 Key issue on enhancement to EEL support for application context transmission**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on enhancement to EEL support for application context transmission

**Decision:** The document was **revised to S6-212797**.

**S6-212797 Key issue on enhancement to EEL support for application context transmission**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: Huawei, Hisilicon*

(Replaces S6-212655)

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

**S6-212673 Proposal of new open issue for key issue #14 Application traffic influence for initially selected EAS**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S6-212813**.

**S6-212813 Proposal of new open issue for key issue #14 Application traffic influence for initially selected EAS**

 *Type: pCR For: Approval
 23.700-98 v0.3.0
 Source: Samsung Electronics Benelux BV*

(Replaces S6-212673)

**Discussion:**

The (late) S6-212813 was approved during the closing call.

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

**S6-212682 EAS selection synchronization solution**

 *Type: pCR For: Agreement
 23.700-98 v0.3.0
 Source: Convida Wireless LLC*

**Discussion:**

The draft 212682\_rev2 was discussed during the CC#9.

**Decision:** The document was **revised to S6-212712**.

**S6-212712 EAS selection synchronization solution**

 *Type: pCR For: Agreement
 23.700-98 v0.3.0
 Source: Convida Wireless LLC, CATT*

(Replaces S6-212682)

**Discussion:**

S6-212712 was discussed during the closing call.

Ericsson had strong concerns with the proposal e.g. service dependency and provisioning.
Convida wished the following to be noted in the report:
They firmly object to Ericsson’s position, and asks SA6 to provide a fair environment in which design principles are applied equally to the member companies and the content provided.

TS 23.501 indicates that dependencies between NF services are allowable as long they do not preclude them to be managed independently of each other. At least one existing procedure in TS 23.558, (Service provisioning - clause 8.3.3) uses the same design as S6-212712 from the perspective of the EAS information provided in the response. If the “principle” invoked by Ericsson to oppose S6-212712 is applied fairly, either the existing text needs to be corrected or the objection to S6-212712, which is NOT sustained by other companies, should not be used to block approval.

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

### 10.8 FS\_eUASAPP - Study on enhanced architecture for UAS Applications

**S6-212506 New KI on change of USS / UTM during flight**

 *Type: pCR For: Approval
 23.700-55 v0.1.0
 Source: InterDigital*

**Decision:** The document was **revised to S6-212715**.

**S6-212715 New KI on change of USS / UTM during flight**

 *Type: pCR For: Approval
 23.700-55 v0.1.0
 Source: InterDigital*

(Replaces S6-212506)

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

**S6-212507 New KI on direct communication between UAVs**

 *Type: pCR For: Approval
 23.700-55 v0.1.0
 Source: InterDigital*

**Decision:** The document was **revised to S6-212717**.

**S6-212717 New KI on direct communication between UAVs**

 *Type: pCR For: Approval
 23.700-55 v0.1.0
 Source: InterDigital*

(Replaces S6-212507)

**Discussion:**

S6-212717 was discussed and approved during the closing call.

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

**S6-212508 New KI on support for UAV service restriction area**

 *Type: pCR For: Approval
 23.700-55 v0.1.0
 Source: InterDigital*

**Decision:** The document was **revised to S6-212718**.

**S6-212718 New KI on support for UAV service restriction area**

 *Type: pCR For: Approval
 23.700-55 v0.1.0
 Source: InterDigital*

(Replaces S6-212508)

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

**S6-212674 Key Issue on support for multi-USS deployments**

 *Type: pCR For: Approval
 23.700-55 v0.1.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This paper provides a new Key Issue on UAE layer support for multi-USS deployments.

**Decision:** The document was **revised to S6-212781**.

**S6-212781 Key Issue on support for multi-USS deployments**

 *Type: pCR For: Approval
 23.700-55 v0.1.0
 Source: Lenovo, Motorola Mobility*

(Replaces S6-212674)

**Discussion:**

Draft S6-212781\_Rev2 was discussed and contents approved during the closing call.

**Decision:** The document was **revised to S6-212833**.

**S6-212833 Key Issue on support for multi-USS deployments**

 *Type: pCR For: Approval
 23.700-55 v0.1.0
 Source: Lenovo, Motorola Mobility, InterDigital*

(Replaces S6-212781)

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

### 10.9 FS\_SEALDD - Study on SEAL data delivery enabler for vertical applications

**S6-212648 Key issue on data transmission quality measurements**

 *Type: pCR For: Approval
 23.700-34 v0.1.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on data transmission quality measurements

**Decision:** The document was **revised to S6-212790**.

**S6-212790 Key issue on data transmission quality measurements**

 *Type: pCR For: Approval
 23.700-34 v0.1.0
 Source: Huawei, Hisilicon*

(Replaces S6-212648)

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

**S6-212649 Requirements on support for integration with MSGin5G**

 *Type: pCR For: Approval
 23.700-34 v0.1.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Requirements on support for integration with MSGin5G

**Decision:** The document was **revised to S6-212791**.

**S6-212791 Requirements on support for integration with MSGin5G**

 *Type: pCR For: Approval
 23.700-34 v0.1.0
 Source: Huawei, Hisilicon*

(Replaces S6-212649)

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

**S6-212650 Updates to SEALDD architecture to address the Editor’s Note**

 *Type: pCR For: Approval
 23.700-34 v0.1.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Updates to SEALDD architecture to address the Editor’s Note

**Decision:** The document was **revised to S6-212792**.

**S6-212792 Updates to SEALDD architecture to address the Editor’s Note**

 *Type: pCR For: Approval
 23.700-34 v0.1.0
 Source: Huawei, Hisilicon*

(Replaces S6-212650)

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

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

**S6-212661 Key Issue on V2X service deployment in edge data network**

 *Type: pCR For: Approval
 23.700-64 v0.1.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key Issue on V2X service deployment in edge data network

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

**S6-212662 Key Issue on multiple service providers control for ToD**

 *Type: pCR For: Approval
 23.700-64 v0.1.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key Issue on multiple service providers control for ToD

**Decision:** The document was **revised to S6-212800**.

**S6-212800 Key Issue on multiple service providers control for ToD**

 *Type: pCR For: Approval
 23.700-64 v0.1.0
 Source: Huawei, Hisilicon*

(Replaces S6-212662)

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

**S6-212671 Solution on VAE support for energy efficient V2P communications**

 *Type: pCR For: Approval
 23.700-64 v0.1.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This contribution provides a solution for Key Issue #2.

**Decision:** The document was **revised to S6-212758**.

**S6-212758 Solution on VAE support for energy efficient V2P communications**

 *Type: pCR For: Approval
 23.700-64 v0.1.0
 Source: Lenovo, Motorola Mobility*

(Replaces S6-212671)

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

## 11 Future work / New WIDs (incl related contributions)

**S6-212511 Discussion paper on logging and replay functionality for MC services**

 *Type: discussion For: Discussion
 Source: Ericsson*

**Abstract:**

The current MC functional architecture does not provide a way for an MC server to record/log and replay MCPTT, MCVideo and MCData conversations. This discussion paper describes what aspects of TS 23.280 and TS 23.379 will need updates to bring in the functional architecture and procedures from TR 23.784 for an MC logging function with an MC logging client and storage as well as MC replay equipment with an MC replay client.

**Discussion:**

Ericsson presented the document S6-212511 opening call.

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

**S6-212640 Discussion on the way forward of MCOver 5G ProSe**

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

**Abstract:**

Discussion on the way forward of MCOver 5G ProSe.

**Discussion:**

Huawei presented the document S6-212640 during the opening call.

Nokia made a remark that the list would probably need updating as a result of the SA2 meeting running now.

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

**S6-212519 New SID on Service Function Chaining support for Edge Data Networks**

 *Type: SID new For: Approval
 Source: Intel Technology India Pvt Ltd*

**Discussion:**

The contribution S6-212519 was discussed during the CC#7.

**Decision:** The document was **revised to S6-212737**.

**S6-212737 New SID on Service Function Chaining support for Edge Data Networks**

 *Type: SID new For: Approval
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-212519)

**Discussion:**

Draft S6-212737\_Rev1 was discussed during the closing call.

Huawei did not see the point for the study due to lack of requirements and suggested postponing the proposal.

InterDigital was of the view that the study had some merit even if they as such are a supporter of the SID.

Qualcomm did not think there would be anything for SA6 to study but was prepared to allow the study to go ahead just to prove their point.

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

**S6-212595 Study on sharing of administrative configuration between interconnected MC service systems**

 *Type: SID new For: Approval
 Source: BDBOS*

**Abstract:**

Study on sharing of administrative configuration between interconnected MC service systems.

**Discussion:**

BDBOS presented the document S6-212595 during the opening call.

**Decision:** The document was **revised to S6-212698**.

**S6-212698 Study on sharing of administrative configuration between interconnected MC service systems**

 *Type: SID new For: Agreement
 Source: SA6*

(Replaces S6-212595)

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

**S6-212556 Study on PIRATESAPP**

 *Type: discussion For: Decision
 Source: vivo*

**Abstract:**

PIRates = PIN (Personal IoT Networks) + 5G Residential (CPN, customer premise network)

CPNs and PINs have in common that in general they are owned, installed and/or (at least partially) configured by a customer of a public network operator.

Personal IoT Networks (PINs) and Customer Premises Networks (CPNs) provide local connectivity between UEs and/or non-3GPP devices in PIRates network.

CPN:

via eRG (evolved Residential Gateway), provide access to 5G network

Via PRAS (Premises Radio Access Station), UEs can get access to the CPN and/or 5G network services.

PIN:

via PIN elements with Gateway capability, provide access to 5G network; Can communicate with PIN Elements that are not within range to use PIN Direct Connection.

PIN elements communicate each other using PIN Direct Connection;

**Discussion:**

Vivo presented the document S6-212688 during the opening call.

Qualcomm raised some concern over referencing TRs and that the topics are already covered by SA2.

Motorola Solutions agreed with the view of Qualcomm.

InterDigital suggested clarifying the exact role SA6 (in relation to e.g. SA2).

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

**S6-212688 Study on PIRATESAPP**

 *Type: discussion For: Decision
 Source: vivo*

**Discussion:**

This document was in principle a revision of the S6-212556. However Motorola Solutions raised concerns over the document S6-212688, due to late submission. As a result the original document S6-212556 (as opposed to the revised doc S6-212688) was discussed during the opening call.

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

**S6-212615 New SID on Ad hoc group communication support for mission critical services**

 *Type: SID new For: (not specified)
 Source: Samsung*

**Abstract:**

New SID on Ad hoc group communication support for mission critical services.

**Discussion:**

Samsung presented the document S6-212615 during the opening call.

CATT did not see the value of referring to the OMA PCPS in the justification.

Motorola noted they agreed with CATT about the OMA PCPS not being relevant in this context and suggested concentrating on SA4 requirements. However they did not support the study as they thought it was not needed.

FirstNet did not think a SID was needed e.g. for Group communication.

CATT made a remark there was still some unclarity with regard to Adhoc and preconfigured group call.

There was further discussion on a draft S6-212615\_Rev1 during CC#7.

Further discussion continued on draft the S6-212615\_Rev3 was reviewed during the CC#8.

CATT suggested removing the reference to User re-grouping in the justification.

Motorola Solutions suggested limiting the scope to MCPTT.

**Decision:** The document was **revised to S6-212771**.

**S6-212620 New SID on edge computing support for mission critical services**

 *Type: SID new For: (not specified)
 Source: Samsung*

**Decision:** The document was **revised to S6-212772**.

**S6-212771 New SID on Ad hoc group communication support for mission critical services**

 *Type: SID new For: -
 Source: Samsung*

(Replaces S6-212615)

**Discussion:**

Draft S6-212771\_Rev2 was discussed and contents agreed to during the closing call.

Huawei suggested changes to the objectives (i.e. replacing MCPTT with MC services in objective 2 and 3 a. and b.), and did not agree to the proposed phasing.

CATT did not agree with the proposed addition in clause 8 Aspects that involve other WGs on the other hand they suggested an addition to clause 3 (..KPIs as defined in SA1).

Finally the only changes on top of S6-212771\_Rev2 are:

 - Deleting the proposed addition in clause 8 Aspects that involve other WGs,

 - Adding to clause 3 (..KPIs as defined in SA1),

 - Replacing "Analyse the MCPTT service architecture.." with "Analyse the MC service architecture.."

in the justification

 - replacing ". After addressing MCPTT service, this study will continue to address the MCData and MCVideo services, while the normative work for the MCPTT service may continue." with "and the study will also address the MCData and MCVideo services."

 - Replacing "After the MCPTT service is addressed, this study will continue to address the MCData and MCVideo services, while the normative work for the MCPTT service may continue." with "This study will also address the MCData and MCVideo services."

**Decision:** The document was **revised to S6-212839**.

**S6-212839 New SID on Ad hoc group communication support for mission critical services**

 *Type: SID new For: -
 Source: SA6*

(Replaces S6-212771)

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

**S6-212772 New SID on edge computing support for mission critical services**

 *Type: SID new For: -
 Source: Samsung*

(Replaces S6-212620)

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

**S6-212641 New SID for Study on application enabler aspects to support Smart Grid Applications**

 *Type: SID new For: Agreement
 Source: Huawei, Hisilicon*

(Replaces S6-212422)

**Abstract:**

Proposal for New SID for Study on application enabler aspects to support Smart Grid Applications

**Discussion:**

Huawei presented the document S6-212641 during the opening call.

Qualcomm referred to the comments they had given during the last meeting and noted that the requirements were still unclear.

**Decision:** The document was **revised to S6-212786**.

**S6-212786 New SID for Study on application enabler aspects to support Smart Grid Applications**

 *Type: SID new For: Agreement
 Source: Huawei, Hisilicon*

(Replaces S6-212641)

**Discussion:**

Draft S6-212786\_Rev1 was discussed during the closing call.

Samsung was of the view that some progress had been achieved in Rev 1 however still some gaps exist.

Motorola Solutions noted that the market needs were still not met in the draft Rev 1.

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

**S6-212622 Study on Mission Critical Services over EDGE**

 *Type: discussion For: (not specified)
 Source: Samsung*

**Discussion:**

Samsung presented the document S6-212622 during the opening call.

Motorola Solutions made a remark that the proposal seemed more like a proposal for a study in SA1.

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

**S6-212555 New SID on Application layer support for Personal IoT and Residential Networks**

 *Type: SID new For: Approval
 Source: vivo, China Unicom, China Telecom, Spreadtrum*

**Decision:** The document was **revised to S6-212746**.

**S6-212746 New SID on Application layer support for Personal IoT and Residential Networks**

 *Type: SID new For: Approval
 Source: vivo, China Unicom, China Telecom, Spreadtrum*

(Replaces S6-212555)

**Discussion:**

Draft S6-212746\_Rev1 was discussed and contents agreed to during the closing call.

**Decision:** The document was **revised to S6-212838**.

**S6-212838 New SID on Application layer support for Personal IoT and Residential Networks**

 *Type: SID new For: Approval
 Source: SA6*

(Replaces S6-212746)

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

**S6-212745 New SID on Application layer support for Personal IoT and Residential Networks**

 *Type: SID new For: Approval
 Source: vivo, China Unicom, China Telecom, Spreadtrum*

**Discussion:**

Double of S6-212746 hence withdrawn.

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

**S6-212590 Revised SID for FS\_NSCALE**

 *Type: SID revised For: Approval
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212728**.

**S6-212728 Revised SID for FS\_NSCALE**

 *Type: SID revised For: Approval
 Source: SA6*

(Replaces S6-212590)

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

**S6-212681 New SID on 5G-enabled fused location service capability exposure**

 *Type: SID revised For: Approval
 Source: SA6*

(Replaces SP-210477)

**Abstract:**

Objective: The objectives of the study include the following: 1) Based on SA WG1 service requirements, SA WG2 positioning service exposure and existing SA WG6 work, specify architectural requirements, architectural enhancements or new architecture in appl

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

**S6-212685 New WID on Mission Critical adhoc group communications**

 *Type: WID new For: Agreement
 Source: Motorola Solutions Germany*

**Abstract:**

New requirements from SA1 related to adhoc group communications have been developed for Release 18. This work item will enhance the architecture in the existing SA6 specifications to realize these requirements with a minimum of impact to the Rel-18 time u

**Discussion:**

CATT raised concerns considering the document due to late submission and was of the view it should be de-prioritized.

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

**S6-212803 New Study on Mission Critical adhoc group communications**

 *Type: SID new For: Agreement
 Source: Motorola Solutions Germany*

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

## 12 Work Plan review

**S6-212537 Presentation of Report to TSG: TR 23.700-95, Version 0.4.0**

 *Type: TS or TR cover For: Approval
 23.700-95 v0.3.0
 Source: SA6*

**Abstract:**

TR cover to send TR 23.700-95 for information.

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

**S6-212596 R18 workload assessment**

 *Type: discussion For: Endorsement
 Source: SA6 Chair*

**Abstract:**

This document contains the SA6 R18 workload assessment based on the process outlined in S6-212437

**Discussion:**

The chair presented the document S6-212596 during the opening call.

**Decision:** The document was **revised to S6-212780**.

**S6-212780 R18 workload assessment**

 *Type: discussion For: Endorsement
 Source: SA6 Chair*

(Replaces S6-212596)

**Decision:** The document was **revised to S6-212840**.

**S6-212840 R18 workload assessment**

 *Type: discussion For: Endorsement
 Source: SA6 Chair*

(Replaces S6-212780)

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

**S6-212814 SA6#46-e Work Plan Review**

 *Type: discussion For: discussion
 Source: SA6 Chair*

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

## 13 Future meetings

## 14 AOB

## 15 Close of the meeting

Report prepared by: BMA

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S6-212496 | SA6 Meeting 46-e Agenda | SA6 Chair | noted |  |  |
| S6-212497 | SA6 Meeting 45-bis-e Report | MCC | approved |  |  |
| S6-212498 | SA6 Meeting #46-e - Agenda with Tdocs allocation after submission deadline | SA6 Chair | noted |  |  |
| S6-212499 | SA6 Meeting #46-e - Agenda with Tdocs allocation at start of the meeting | SA6 Chair | approved |  |  |
| S6-212500 | SA6 Meeting #46-e - Chairman's notes at end of the meeting | SA6 Chair | noted |  |  |
| S6-212501 | LS on Prioritized Vehicle to Cloud Technical Solutions | AECC - Automotive Edge Computing Consortium | noted |  |  |
| S6-212502 | APT report on emerging critical applications & use cases of IMT for industrial, societal and enterprise users | ASIA-PACIFIC TELECOMMUNITY (AWG-28) | noted |  |  |
| S6-212503 | LS on Private call forwarding | CT1 | replied to |  |  |
| S6-212504 | Reply LS on MBS broadcast service continuity and MBS session identification | SA2 | noted |  |  |
| S6-212505 | Development of a draft new Report ITU-R M.[IMT.INDUSTRY] –Applications of IMT for specific societal, industrial and enterprise usages | ITU-R Working Party (WP) 5D | noted |  |  |
| S6-212506 | New KI on change of USS / UTM during flight | InterDigital | revised |  | S6-212715 |
| S6-212507 | New KI on direct communication between UAVs | InterDigital | revised |  | S6-212717 |
| S6-212508 | New KI on support for UAV service restriction area  | InterDigital | revised |  | S6-212718 |
| S6-212509 | Disposition Type of specified MCData users | TD Tech Ltd | revised |  | S6-212742 |
| S6-212510 | Key issues on exposure network slice capability in the edge data network | AsiaInfo Technologies Inc | revised |  | S6-212733 |
| S6-212511 | Discussion paper on logging and replay functionality for MC services | Ericsson | noted |  |  |
| S6-212512 | Solution to KI #6 on application layer QoS verification capability exposure | AsiaInfo,Huawei | revised |  | S6-212736 |
| S6-212513 | Discussion & proposal on use of 5MBS “service mode” features for MC services | AT&T | noted |  |  |
| S6-212514 | Discussion & proposal on solutions for MC interworking between eMBMS and 5MBS  | AT&T | noted |  |  |
| S6-212515 | Architecture for MC/5MBS | AT&T | revised |  | S6-212762 |
| S6-212516 | Text order and wording corrections for ACR scenarios | Vodafone España SA | revised |  | S6-212782 |
| S6-212517 | Correction of Enhanced Status description | Sepura Ltd | withdrawn |  |  |
| S6-212518 | Correction of Enhanced Status description | Sepura Ltd | revised |  | S6-212750 |
| S6-212519 | New SID on Service Function Chaining support for Edge Data Networks | Intel Technology India Pvt Ltd | revised |  | S6-212737 |
| S6-212520 | FS\_eEDGEAPP: EAS Dual Application Registration | Intel, Nokia | revised | S6-212380 | S6-212738 |
| S6-212521 | Edge Dual Deployment Considerations | Intel Technology India Pvt Ltd | revised |  | S6-212739 |
| S6-212522 | Edge functional entity relationship to 5G core | Vodafone España SA | revised |  | S6-212783 |
| S6-212523 | Alignment of the term “USS/UTM” throughout TS 23.255 | InterDigital | agreed |  |  |
| S6-212524 | Message topic unsubcription | Huawei,HiSilicon | revised |  | S6-212751 |
| S6-212525 | Editorial corrections | Huawei,HiSilicon | agreed |  |  |
| S6-212526 | Corrections on broadcast | Huawei,HiSilicon | agreed |  |  |
| S6-212527 | Alignment on Message Gateway IE name | Huawei, Hisilicon | agreed |  |  |
| S6-212528 |  Remove one IE from AS originating message send request | Huawei,HiSilicon | revised |  | S6-212753 |
| S6-212529 | Key issue on support efficient content delivery in edge data network | AsiaInfo,China Mobile | revised |  | S6-212735 |
| S6-212530 | FFAPP Application Architecture | ZTE Corporation | revised |  | S6-212740 |
| S6-212531 | FFAPP functional entities | ZTE Corporation | revised |  | S6-212741 |
| S6-212532 | FFAPP Reference points | ZTE Corporation | approved |  |  |
| S6-212533 | FFAPP External reference points | ZTE Corporation | noted |  |  |
| S6-212534 | Correction on EAS description | NTT DOCOMO | revised |  | S6-212806 |
| S6-212535 | New reference point between ECSs | NTT DOCOMO | revised |  | S6-212807 |
| S6-212536 | Editorial correction to Figure 6.2.1.2-1 | NTT DOCOMO | approved |  |  |
| S6-212537 | Presentation of Report to TSG: TR 23.700-95, Version 0.4.0 | SA6 | agreed |  |  |
| S6-212538 | Discussion on the resource owner registration handling function | NTT DOCOMO | noted |  |  |
| S6-212539 | Clarification of the resource owner registration handling function | NTT DOCOMO | revised |  | S6-212808 |
| S6-212540 | Cascade registration | NTT DOCOMO | postponed |  |  |
| S6-212541 | Updating user consent | NTT DOCOMO | revised |  | S6-212809 |
| S6-212542 | Determination of APIs requiring user consent | NTT DOCOMO | revised |  | S6-212810 |
| S6-212543 | Evaluation of Solution #1 | NTT DOCOMO | revised |  | S6-212811 |
| S6-212544 | Evaluation of Solution #2 | NTT DOCOMO | revised |  | S6-212812 |
| S6-212545 | DP on Slice Enabler Layer deployment, role | HUAWEI TECHNOLOGIES Co. Ltd. | noted |  |  |
| S6-212546 | Add example of KQI translation | HUAWEI TECHNOLOGIES Co. Ltd. | approved |  |  |
| S6-212547 | Add solutions of performance and analytics exposure | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-212764 |
| S6-212548 | Align the terminologies of network slice management exposure | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-212765 |
| S6-212549 | Solution #8 update: Service KPIs in CAPIF for EAS Service APIs | ETRI, Uangel | revised |  | S6-212720 |
| S6-212550 | New solution - Interworking with ETSI MEC using CAPIF | ETRI, Uangel | revised |  | S6-212721 |
| S6-212551 | Pseudo-CR on new KI on Multi-Network Slice Management | China Mobile Com. Corporation | postponed |  |  |
| S6-212552 | Pseudo-CR on architectural requirements | China Mobile Com. Corporation | revised |  | S6-212761 |
| S6-212553 | Pseudo-CR on security requirements | China Mobile Com. Corporation | revised |  | S6-212763 |
| S6-212554 | MBS architectural and functionalities | CBN | revised |  | S6-212562 |
| S6-212555 | New SID on Application layer support for Personal IoT and Residential Networks | vivo, China Unicom, China Telecom, Spreadtrum | revised |  | S6-212746 |
| S6-212556 | Study on PIRATESAPP | vivo | noted |  | - |
| S6-212557 | Modification on Solution 9 | TD Tech Ltd | approved |  |  |
| S6-212558 | Update ECS configuration information to support roaming and federation | Samsung | revised |  | S6-212747 |
| S6-212559 | HR roaming architecture | Samsung | revised |  | S6-212748 |
| S6-212560 | Handling DNN information configured in AC  | Samsung | postponed |  |  |
| S6-212561 | Service continuity planning allowance | Samsung | revised |  | S6-212749 |
| S6-212562 | MBS architectural and functionalities | CBN | revised | S6-212554 | S6-212768 |
| S6-212563 | TS 23.434 Replace the NSCM with NSCE to align the terminologies | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-212766 |
| S6-212564 | Key issue on Migration without interconnection | BDBOS | revised |  | S6-212695 |
| S6-212565 | Solution on offline-Migration | BDBOS | revised |  | S6-212696 |
| S6-212566 | Overall Evaluation update | Nokia, Nokia Shanghai Bell, UIC | approved |  |  |
| S6-212567 | Connection authorisation mechanisms | Nokia, Nokia Shanghai Bell | revised |  | S6-212699 |
| S6-212568 | Connection authorisation configuration data | Nokia, Nokia Shanghai Bell | revised |  | S6-212700 |
| S6-212569 | Connection authorisation configuration data | Nokia, Nokia Shanghai Bell | revised |  | S6-212701 |
| S6-212570 | Connection authorisation configuration data | Nokia, Nokia Shanghai Bell | revised |  | S6-212702 |
| S6-212571 | Functional architecture | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S6-212572 | Corrections on network slicing | Nokia, Nokia Shanghai Bell | revised |  | S6-212703 |
| S6-212573 | Request for creation MBS resources for group communications | Ericsson | revised |  | S6-212708 |
| S6-212574 | MBS service announcement procedure | Ericsson  | merged |  | S6-212708 |
| S6-212575 | Request for updating MBS resources for group communications | Ericsson | agreed |  |  |
| S6-212576 | Request to activate or de-activate multicast MBS sessions  | Ericsson | revised |  | S6-212709 |
| S6-212577 | KI 7 update | China Mobile Com. Corporation | postponed |  |  |
| S6-212578 | solution for KI 7 | China Mobile Com. Corporation | merged |  | S6-210547 |
| S6-212579 | MBS resources usage and requirements for MC group communications | Ericsson | merged |  | S6-212762 |
| S6-212580 | new KI on network slice optimization | China Mobile Com. Corporation | revised |  | S6-212722 |
| S6-212581 | pCR on updating solution 8 | Ericsson | revised |  | S6-212710 |
| S6-212582 | Solution for network slice optimization | China Mobile Com. Corporation | revised |  | S6-212723 |
| S6-212583 | Solution for KI#9- VAL server authorization and authentication | China Mobile Com. Corporation | revised |  | S6-212724 |
| S6-212584 | MCPTT and MCVideo functional model update to enable MC services over MBS  | Ericsson | merged |  | S6-212824 |
| S6-212585 | solution for KI#3 network slice capability registration and discovery | China Mobile Com. Corporation | revised |  | S6-212725 |
| S6-212586 | Solution evaluation for solution 2 | China Mobile Com. Corporation | withdrawn |  |  |
| S6-212587 | Solution evaluation for solution 2 | China Mobile Com. Corporation | revised |  | S6-212726 |
| S6-212588 | Solution evaluation for solution 1 | China Mobile Com. Corporation | withdrawn |  |  |
| S6-212589 | Solution evaluation for solution 1 | China Mobile Com. Corporation | revised |  | S6-212727 |
| S6-212590 | Revised SID for FS\_NSCALE | China Mobile Com. Corporation | revised |  | S6-212728 |
| S6-212591 | Solution for KI 14 | China Mobile Com. Corporation | revised |  | S6-212729 |
| S6-212592 | Update evaluation of solution 4 | China Mobile Com. Corporation | revised |  | S6-212730 |
| S6-212593 | Solution for KI#12-EAS discovery for different users | China Mobile Com. Corporation | revised |  | S6-212731 |
| S6-212594 | Support for constrained devices | China Mobile Com. Corporation | revised |  | S6-212732 |
| S6-212595 | Study on sharing of administrative configuration between interconnected MC service systems  | BDBOS | revised |  | S6-212698 |
| S6-212596 | R18 workload assessment | SA6 Chair | revised |  | S6-212780 |
| S6-212597 | Reference Correction | Samsung Electronics Polska | approved |  |  |
| S6-212598 | new KI on Acknowledgement on Network Slice to 3rd Party | Samsung Electronics Polska | postponed |  |  |
| S6-212599 | new KI on Network Slice Allocation to the third-party and UE | Samsung Electronics Polska | postponed |  |  |
| S6-212600 | Clarification on the use of MCData notification server(s) | AT&T GNS Belgium SPRL | revised |  | S6-212716 |
| S6-212601 | Correction on Message Aggregation | China Mobile Com. Corporation | revised |  | S6-212752 |
| S6-212602 | Security aspect of MSGin5G align with SA3 | China Mobile Com. Corporation | revised |  | S6-212754 |
| S6-212603 | Correct ACR inconsistencies | Ericsson | revised |  | S6-212775 |
| S6-212604 | Correct EAS required API | Ericsson | revised |  | S6-212776 |
| S6-212605 | EEC context handling in T-EES | Ericsson, Samsung, Qualcomm | revised |  | S6-212779 |
| S6-212606 | New Solution for call forwarding between MCPTT users in different MCPTT systems | Kontron Transportation France, Nokia, Nokia Shanghai Bell | revised |  | S6-212697 |
| S6-212607 | Solve EN for ACR co-existence | Ericsson | revised |  | S6-212774 |
| S6-212608 | LS on Mission Critical group document content handling for sharing with a partner system | CT1 | replied to |  |  |
| S6-212609 | LS on question and feedback about the EVEX Work Item | CT3 | noted |  |  |
| S6-212610 | Functional entity responsibilities related to ACR | Vodafone España SA | revised |  | S6-212801 |
| S6-212611 | Complete location retrieval in an area | Ericsson | postponed |  |  |
| S6-212612 | Application Server monitoring via CAPIF | Ericsson | revised |  | S6-212773 |
| S6-212613 | EDGE-1 and 4 communication via 3GPP system CP | Ericsson | revised |  | S6-212777 |
| S6-212614 | Traffic influence in initial EAS selection | Ericsson | revised |  | S6-212778 |
| S6-212615 | New SID on Ad hoc group communication support for mission critical services | Samsung | revised |  | S6-212771 |
| S6-212616 | Pseudo-CR on optimize the connectivity between MC systems | UIC, Nokia, Nokia Shanghai Bell | approved |  |  |
| S6-212617 | Pseudo-CR on interconnection between MC systems | UIC, Nokia, Nokia Shanghai Bell, Kontron Transportation France | approved |  |  |
| S6-212618 | Making ECSP ID mandatory | Nokia, Nokia Shanghai Bell | postponed |  |  |
| S6-212619 | Addition of solution to key issue on NAT deployments | Nokia, Nokia Shanghai Bell | postponed |  |  |
| S6-212620 | New SID on edge computing support for mission critical services | Samsung | revised |  | S6-212772 |
| S6-212621 | Removal of PCP from TSC stream discovery | Ericsson Telecomunicazioni SpA | revised |  | S6-212820 |
| S6-212622 | Study on Mission Critical Services over EDGE | Samsung | noted |  |  |
| S6-212623 | New solution for enhancements to service continuity planning | KPN N.V. | revised |  | S6-212760 |
| S6-212624 | Replacing EAS service area with EAS Geographic service area in Solution #7 | KPN N.V. | postponed |  |  |
| S6-212625 | Solution for KI#9 - Enhancement of dynamic EAS instantiation triggering | InterDigital | revised |  | S6-212719 |
| S6-212626 | Correction to MCPTT group document for interconnect | Airbus | agreed |  |  |
| S6-212627 | Clarification to MC group configuration procedures for interconnect | Airbus | revised |  | S6-212743 |
| S6-212628 | ACR notify message correction | Vodafone España SA | revised |  | S6-212804 |
| S6-212629 | Pseudo-CR on New Key Issue on detection of subscriber centric API | Samsung | postponed | S6-212110 |  |
| S6-212630 | pCR-SNAPP-Solution to KI#4 | Samsung | postponed | S6-212449 |  |
| S6-212631 | eSEAL Add missing location area monitoring API | Samsung | agreed |  |  |
| S6-212632 | EDGEAPP\_EAS\_Discovery\_Fix | Samsung | revised |  | S6-212767 |
| S6-212633 | Removal of Editor’s Note in Introduction | InterDigital | agreed |  |  |
| S6-212634 | Removal of Editor’s Notes in clause 5.2 | InterDigital | withdrawn |  |  |
| S6-212635 | EDGEAPP Correlate ACR procedures | Samsung, Ericsson | postponed |  |  |
| S6-212636 | Cancellation Support in ACR | Huawei, Hisilicon, China Mobile, China Telecom, CATT | revised | S6-212308 | S6-212784 |
| S6-212637 | Adding DNN/S-NSSAI information in EAS profile | Huawei, Hisilicon | revised | S6-212413 | S6-212785 |
| S6-212638 | Correction to EASID description | Huawei, Hisilicon | postponed | S6-212313 |  |
| S6-212639 | Resolving the mismatch of selected ACR scenario between EEC and EAS | Huawei, Hisilicon | postponed | S6-212315 |  |
| S6-212640 | Discussion on the way forward of MCOver 5G ProSe | Huawei, Hisilicon | noted |  |  |
| S6-212641 | New SID for Study on application enabler aspects to support Smart Grid Applications | Huawei, Hisilicon | revised | S6-212422 | S6-212786 |
| S6-212642 | MC service media distribution over 5G MBS | Huawei, Hisilicon | agreed | S6-212426 |  |
| S6-212643 | Procedure for MBS session creation and service announcement | Huawei, Hisilicon | merged | S6-212423 | S6-212708 |
| S6-212644 | MC service control signalling over 5G MBS | Huawei, Hisilicon | revised |  | S6-212787 |
| S6-212645 | Multi-server MBS session coordination | Huawei, Hisilicon | revised |  | S6-212788 |
| S6-212646 | Procedure for inter-system mobility between eMBMS and 5G MBS | Huawei, Hisilicon | revised |  | S6-212789 |
| S6-212647 | Missing IE for Realtime UAV status subscription request | Huawei, Hisilicon | agreed |  |  |
| S6-212648 | Key issue on data transmission quality measurements | Huawei, Hisilicon | revised |  | S6-212790 |
| S6-212649 | Requirements on support for integration with MSGin5G | Huawei, Hisilicon | revised |  | S6-212791 |
| S6-212650 | Updates to SEALDD architecture to address the Editor’s Note | Huawei, Hisilicon | revised |  | S6-212792 |
| S6-212651 | Solution for KI#5 deployment options of EDGEAPP and ETSI MEC platforms | Huawei, Hisilicon | revised |  | S6-212793 |
| S6-212652 | Solution for KI#3 - Enhancements to service continuity planning for ACR modification | Huawei, Hisilicon | revised |  | S6-212794 |
| S6-212653 | Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time | Huawei, Hisilicon | revised |  | S6-212795 |
| S6-212654 | Evaluation of solution #7 | Huawei, Hisilicon | revised |  | S6-212796 |
| S6-212655 | Key issue on enhancement to EEL support for application context transmission | Huawei, Hisilicon | revised |  | S6-212797 |
| S6-212656 | Key issue on sharing location information across VAL servers | Huawei, Hisilicon | postponed |  |  |
| S6-212657 | Solution on sharing location information across VAL servers | Huawei, Hisilicon | postponed |  |  |
| S6-212658 | Co-existence of eMBMS and 5G MBS | Huawei, Hisilicon | revised |  | S6-212798 |
| S6-212659 | Conclusion for Service continuity for 4G MBS and 5G MBS | Huawei, Hisilicon | approved |  |  |
| S6-212660 | Service continuity for broadcast and multicast MBS sessions | Huawei, Hisilicon | revised |  | S6-212799 |
| S6-212661 | Key Issue on V2X service deployment in edge data network | Huawei, Hisilicon | approved |  |  |
| S6-212662 | Key Issue on multiple service providers control for ToD | Huawei, Hisilicon | revised |  | S6-212800 |
| S6-212663 | Removal of Editor’s Notes in clause 5.2 | InterDigital | agreed |  |  |
| S6-212664 | EDGEAPP Discussion\_on\_ACR\_Procedures | Samsung, Ericsson, Qualcomm | noted |  |  |
| S6-212665 | Solution on MnS discovery via NSCM layer | Lenovo, Motorola Mobility | revised |  | S6-212755 |
| S6-212666 | Key Issue on slice continuity support | Lenovo, Motorola Mobility | revised | S6-212399 | S6-212756 |
| S6-212667 | FS\_5GFLS\_Architecture Update | Samsung | revised |  | S6-212836 |
| S6-212668 | Removal of Editor’s Notes in clause 7.3 | InterDigital | revised |  | S6-212711 |
| S6-212669 | Solution on slice continuity support  | Lenovo, Motorola Mobility | revised |  | S6-212757 |
| S6-212670 | FS\_ACE\_IOT Updates to Application Service Monitoring | Samsung | revised |  | S6-212769 |
| S6-212671 | Solution on VAE support for energy efficient V2P communications  | Lenovo, Motorola Mobility | revised |  | S6-212758 |
| S6-212672 | FS\_NSCALE\_Solution\_For\_KI#10 | Samsung | revised |  | S6-212770 |
| S6-212673 | Proposal of new open issue for key issue #14 Application traffic influence for initially selected EAS | Samsung Electronics Benelux BV | revised |  | S6-212813 |
| S6-212674 | Key Issue on support for multi-USS deployments | Lenovo, Motorola Mobility | revised |  | S6-212781 |
| S6-212675 | Solution on KI #4 - support for fused location service enablement | Lenovo, Motorola Mobility | revised |  | S6-212759 |
| S6-212676 | Corrections to general requirements for service continuity | Vodafone España SA | revised |  | S6-212802 |
| S6-212677 | Pseudo-CR on updates to interface descriptions in solution#1 | CATT | revised |  | S6-212704 |
| S6-212678 | Pseudo-CR on fused location service configuration | CATT | revised |  | S6-212705 |
| S6-212679 | Pseudo-CR on solution on location service registration | CATT | revised |  | S6-212706 |
| S6-212680 | Pseudo-CR on new key issue on support for geo-fencing | CATT | revised |  | S6-212707 |
| S6-212681 | New SID on 5G-enabled fused location service capability exposure | SA6 | agreed | SP-210477 |  |
| S6-212682 | EAS selection synchronization solution | Convida Wireless LLC | revised |  | S6-212712 |
| S6-212683 | IoT Platform deployments | Convida Wireless LLC | revised |  | S6-212713 |
| S6-212684 | IoT Platfrm device triggering KI | Convida Wireless LLC | revised |  | S6-212714 |
| S6-212685 | New WID on Mission Critical adhoc group communications | Motorola Solutions Germany | noted |  | - |
| S6-212686 | Liaison about Publication of Standard MEF 84 Network Slice Service and Attributes | MEF Forum | postponed |  |  |
| S6-212687 | Further reply on MBS broadcast service continuity | RAN2 | postponed | - | - |
| S6-212688 | Study on PIRATESAPP | vivo | noted | - | - |
| S6-212689 | Reply LS on Bearer pre-emption rate limit issue for GBR bearer establishment in MC systems | RAN3 | postponed | - | - |
| S6-212690 | Reply to: LS on Private call forwarding | SA6 | revised | - | S6-212805 |
| S6-212691 | Reply to: LS on Mission Critical group document content handling for sharing with a partner system | SA6 | revised | - | S6-212744 |
| S6-212692 | LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT | SA3 | postponed | - | - |
| S6-212693 | Reply LS to CT3 Questions and Feedback on EVEX | SA4 | postponed | - | - |
| S6-212694 | LS on adhoc group communication | SA6 | approved | - | - |
| S6-212695 | Key issue on Migration without interconnection | BDBOS | approved | S6-212564 | - |
| S6-212696 | Solution on offline-Migration | BDBOS | approved | S6-212565 | - |
| S6-212697 | New Solution for call forwarding between MCPTT users in different MCPTT systems | Kontron Transportation France, Nokia, Nokia Shanghai Bell | approved | S6-212606 | - |
| S6-212698 | Study on sharing of administrative configuration between interconnected MC service systems  | SA6 | agreed | S6-212595 | - |
| S6-212699 | Connection authorisation mechanisms | Nokia, Nokia Shanghai Bell | agreed | S6-212567 | - |
| S6-212700 | Connection authorisation configuration data | Nokia, Nokia Shanghai Bell | agreed | S6-212568 | - |
| S6-212701 | Connection authorisation configuration data | Nokia, Nokia Shanghai Bell | agreed | S6-212569 | - |
| S6-212702 | Connection authorisation configuration data | Nokia, Nokia Shanghai Bell | agreed | S6-212570 | - |
| S6-212703 | Corrections on network slicing | Nokia, Nokia Shanghai Bell | agreed | S6-212572 | - |
| S6-212704 | Pseudo-CR on updates to interface descriptions in solution#1 | CATT | approved | S6-212677 | - |
| S6-212705 | Pseudo-CR on fused location service configuration | CATT | revised | S6-212678 | S6-212828 |
| S6-212706 | Pseudo-CR on solution on location service registration | CATT | approved | S6-212679 | - |
| S6-212707 | Pseudo-CR on new key issue on support for geo-fencing | CATT | revised | S6-212680 | S6-212837 |
| S6-212708 | Request for creation MBS resources for group communications | Ericsson, Huawei | agreed | S6-212573 | - |
| S6-212709 | Request to activate or de-activate multicast MBS sessions  | Ericsson | agreed | S6-212576 | - |
| S6-212710 | pCR on updating solution 8 | Ericsson | approved | S6-212581 | - |
| S6-212711 | Removal of Editor’s Notes in clause 7.3 | InterDigital | agreed | S6-212668 | - |
| S6-212712 | EAS selection synchronization solution | Convida Wireless LLC, CATT | postponed | S6-212682 | - |
| S6-212713 | IoT Platform deployments | Convida Wireless LLC | revised | S6-212683 | S6-212827 |
| S6-212714 | IoT Platfrm device triggering KI | Convida Wireless LLC | approved | S6-212684 | - |
| S6-212715 | New KI on change of USS / UTM during flight | InterDigital | merged | S6-212506 | S6-212833 |
| S6-212716 | Clarification on the use of MCData notification server(s) | AT&T | agreed | S6-212600 | - |
| S6-212717 | New KI on direct communication between UAVs | InterDigital | approved | S6-212507 | - |
| S6-212718 | New KI on support for UAV service restriction area  | InterDigital | postponed | S6-212508 | - |
| S6-212719 | Solution for KI#9 - Enhancement of dynamic EAS instantiation triggering | InterDigital | postponed | S6-212625 | - |
| S6-212720 | Solution #8 update: Service KPIs in CAPIF for EAS Service APIs | ETRI, Uangel | approved | S6-212549 | - |
| S6-212721 | New solution - Interworking with ETSI MEC using CAPIF | ETRI, Uangel | revised | S6-212550 | S6-212831 |
| S6-212722 | new KI on network slice optimization | China Mobile Com. Corporation | postponed | S6-212580 | - |
| S6-212723 | Solution for network slice optimization | China Mobile Com. Corporation | postponed | S6-212582 | - |
| S6-212724 | Solution for KI#9- VAL server authorization and authentication | China Mobile Com. Corporation | approved | S6-212583 | - |
| S6-212725 | Solution for KI#3 network slice capability registration and discovery | China Mobile Com. Corporation | approved | S6-212585 | - |
| S6-212726 | Solution evaluation for solution 2 | China Mobile Com. Corporation | approved | S6-212587 | - |
| S6-212727 | Solution evaluation for solution 1 | China Mobile Com. Corporation | approved | S6-212589 | - |
| S6-212728 | Revised SID for FS\_NSCALE | SA6 | agreed | S6-212590 | - |
| S6-212729 | Solution for KI 14 | China Mobile Com. Corporation | revised | S6-212591 | S6-212829 |
| S6-212730 | Update evaluation of solution 4 | China Mobile Com. Corporation | approved | S6-212592 | - |
| S6-212731 | Solution for KI#12-EAS discovery for different users | China Mobile Com. Corporation | postponed | S6-212593 | - |
| S6-212732 | Support for constrained devices | China Mobile Com. Corporation | revised | S6-212594 | S6-212830 |
| S6-212733 | Key issues on exposure network slice capability in the edge data network | AsiaInfo Technologies Inc | approved | S6-212510 | - |
| S6-212734 | Solution to KI #6 on application layer QoS verification capability exposure | AsiaInfo,Huawei | withdrawn | - | - |
| S6-212735 | Key issue on support efficient content delivery in edge data network | AsiaInfo,China Mobile | postponed | S6-212529 | - |
| S6-212736 | Solution to KI #6 on application layer QoS verification capability exposure | AsiaInfo, Huawei | approved | S6-212512 | - |
| S6-212737 | New SID on Service Function Chaining support for Edge Data Networks | Intel Technology India Pvt Ltd | postponed | S6-212519 | - |
| S6-212738 | FS\_eEDGEAPP: EAS Dual Application Registration | Intel, Nokia | postponed | S6-212520 | - |
| S6-212739 | Edge Dual Deployment Considerations | Intel Technology India Pvt Ltd | revised | S6-212521 | S6-212832 |
| S6-212740 | FFAPP Application Architecture | ZTE Corporation | revised | S6-212530 | S6-212822 |
| S6-212741 | FFAPP functional entities | ZTE Corporation | approved | S6-212531 | - |
| S6-212742 | Disposition Type of specified MCData users | TD Tech Ltd | revised | S6-212509 | S6-212816 |
| S6-212743 | Clarification to MC group configuration procedures for interconnect | Airbus | agreed | S6-212627 | - |
| S6-212744 | Reply to: LS on Mission Critical group document content handling for sharing with a partner system | SA6 | revised | S6-212691 | S6-212815 |
| S6-212745 | New SID on Application layer support for Personal IoT and Residential Networks | vivo, China Unicom, China Telecom, Spreadtrum | withdrawn | - | - |
| S6-212746 | New SID on Application layer support for Personal IoT and Residential Networks | vivo, China Unicom, China Telecom, Spreadtrum | revised | S6-212555 | S6-212838 |
| S6-212747 | Update ECS configuration information to support roaming and federation | Samsung | postponed | S6-212558 | - |
| S6-212748 | HR roaming architecture | Samsung | approved | S6-212559 | - |
| S6-212749 | Service continuity planning allowance | Samsung | postponed | S6-212561 | - |
| S6-212750 | Correction of Enhanced Status description | Sepura Ltd | revised | S6-212518 | S6-212821 |
| S6-212751 | Message topic unsubcription | Huawei,HiSilicon | agreed | S6-212524 | - |
| S6-212752 | Correction on Message Aggregation | China Mobile Com. Corporation | agreed | S6-212601 | - |
| S6-212753 |  Remove one IE from AS originating message send request | Huawei,HiSilicon | agreed | S6-212528 | - |
| S6-212754 | Security aspect of MSGin5G align with SA3 | China Mobile Com. Corporation | agreed | S6-212602 | - |
| S6-212755 | Solution on MnS discovery via NSCM layer | Lenovo, Motorola Mobility, CMCC | approved | S6-212665 | - |
| S6-212756 | Key Issue on slice continuity support | Lenovo, Motorola Mobility | postponed | S6-212666 | - |
| S6-212757 | Solution on slice continuity support  | Lenovo, Motorola Mobility | postponed | S6-212669 | - |
| S6-212758 | Solution on VAE support for energy efficient V2P communications  | Lenovo, Motorola Mobility | approved | S6-212671 | - |
| S6-212759 | Solution on KI #4 - support for fused location service enablement | Lenovo, Motorola Mobility | approved | S6-212675 | - |
| S6-212760 | New solution for enhancements to service continuity planning | KPN N.V. | postponed | S6-212623 | - |
| S6-212761 | Pseudo-CR on architectural requirements | China Mobile Com. Corporation | approved | S6-212552 | - |
| S6-212762 | Architecture for MC/5MBS | AT&T | revised | S6-212515 | S6-212823 |
| S6-212763 | Pseudo-CR on security requirements | China Mobile Com. Corporation | approved | S6-212553 | - |
| S6-212764 | Add solutions of performance and analytics exposure | Huawei, China Mobile | approved | S6-212547 | - |
| S6-212765 | Align the terminologies of network slice management exposure | HUAWEI TECHNOLOGIES Co. Ltd. | approved | S6-212548 | - |
| S6-212766 | TS 23.434 Replace the NSCM with NSCE to align the terminologies | HUAWEI TECHNOLOGIES Co. Ltd. | agreed | S6-212563 | - |
| S6-212767 | EDGEAPP\_EAS\_Discovery\_Fix | Samsung | agreed | S6-212632 | - |
| S6-212768 | MBS architectural and functionalities | CBN, Huawei, Hisiliconm, AT&T, Ericsson | revised | S6-212562 | S6-212824 |
| S6-212769 | FS\_ACE\_IOT Updates to Application Service Monitoring | Samsung | postponed | S6-212670 | - |
| S6-212770 | FS\_NSCALE\_Solution\_For\_KI#10 | Samsung | approved | S6-212672 | - |
| S6-212771 | New SID on Ad hoc group communication support for mission critical services | Samsung | revised | S6-212615 | S6-212839 |
| S6-212772 | New SID on edge computing support for mission critical services | Samsung | postponed | S6-212620 | - |
| S6-212773 | Application Server monitoring via CAPIF | Ericsson | postponed | S6-212612 | - |
| S6-212774 | Solve EN for ACR co-existence | Ericsson | postponed | S6-212607 | - |
| S6-212775 | Correct ACR inconsistencies | Ericsson | agreed | S6-212603 | - |
| S6-212776 | Correct EAS required API | Ericsson | agreed | S6-212604 | - |
| S6-212777 | EDGE-1 and 4 communication via 3GPP system CP | Ericsson | postponed | S6-212613 | - |
| S6-212778 | Traffic influence in initial EAS selection | Ericsson | postponed | S6-212614 | - |
| S6-212779 | EEC context handling in T-EES | Ericsson, Samsung, Qualcomm | merged | S6-212605 | S6-212819 |
| S6-212780 | R18 workload assessment | SA6 Chair | revised | S6-212596 | S6-212840 |
| S6-212781 | Key Issue on support for multi-USS deployments | Lenovo, Motorola Mobility | revised | S6-212674 | S6-212833 |
| S6-212782 | Text order and wording corrections for ACR scenarios | Vodafone España SA | revised | S6-212516 | S6-212818 |
| S6-212783 | Edge functional entity relationship to 5G core | Vodafone España SA | agreed | S6-212522 | - |
| S6-212784 | Cancellation Support in ACR | Huawei, Hisilicon, China Mobile, China Telecom, CATT, Convida Wireless, Samsung, Ericsson | revised | S6-212636 | S6-212819 |
| S6-212785 | Adding DNN/S-NSSAI information in EAS profile | Huawei, Hisilicon | revised | S6-212637 | S6-212817 |
| S6-212786 | New SID for Study on application enabler aspects to support Smart Grid Applications | Huawei, Hisilicon | postponed | S6-212641 | - |
| S6-212787 | MC service control signalling over 5G MBS | Huawei, Hisilicon | agreed | S6-212644 | - |
| S6-212788 | Multi-server MBS session coordination | Huawei, Hisilicon | revised | S6-212645 | S6-212825 |
| S6-212789 | Procedure for inter-system mobility between eMBMS and 5G MBS | Huawei, Hisilicon | revised | S6-212646 | S6-212835 |
| S6-212790 | Key issue on data transmission quality measurements | Huawei, Hisilicon | approved | S6-212648 | - |
| S6-212791 | Requirements on support for integration with MSGin5G | Huawei, Hisilicon | approved | S6-212649 | - |
| S6-212792 | Updates to SEALDD architecture to address the Editor’s Note | Huawei, Hisilicon | approved | S6-212650 | - |
| S6-212793 | Solution for KI#5 deployment options of EDGEAPP and ETSI MEC platforms | Huawei, Hisilicon | merged | S6-212651 | S6-212739 |
| S6-212794 | Solution for KI#3 - Enhancements to service continuity planning for ACR modification | Huawei, Hisilicon | postponed | S6-212652 | - |
| S6-212795 | Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time | Huawei, Hisilicon | postponed | S6-212653 | - |
| S6-212796 | Evaluation of solution #7 | Huawei, Hisilicon | approved | S6-212654 | - |
| S6-212797 | Key issue on enhancement to EEL support for application context transmission | Huawei, Hisilicon | postponed | S6-212655 | - |
| S6-212798 | Co-existence of eMBMS and 5G MBS | Huawei | approved | S6-212658 | - |
| S6-212799 | Service continuity for broadcast and multicast MBS sessions | Huawei | approved | S6-212660 | - |
| S6-212800 | Key Issue on multiple service providers control for ToD | Huawei, Hisilicon | approved | S6-212662 | - |
| S6-212801 | Functional entity responsibilities related to ACR | Vodafone España SA | agreed | S6-212610 | - |
| S6-212802 | Corrections to general requirements for service continuity | Vodafone España SA | revised | S6-212676 | S6-212834 |
| S6-212803 | New Study on Mission Critical adhoc group communications | Motorola Solutions Germany | merged | - | S6-212839 |
| S6-212804 | ACR notify message correction | Vodafone España SA | postponed | S6-212628 | - |
| S6-212805 | Reply to: LS on Private call forwarding | SA6 | approved | S6-212690 | - |
| S6-212806 | Correction on EAS description | NTT DOCOMO | agreed | S6-212534 | - |
| S6-212807 | New reference point between ECSs | NTT DOCOMO | approved | S6-212535 | - |
| S6-212808 | Clarification of the resource owner registration handling function | NTT DOCOMO | revised | S6-212539 | S6-212826 |
| S6-212809 | Updating user consent | NTT DOCOMO | approved | S6-212541 | - |
| S6-212810 | Determination of APIs requiring user consent | NTT DOCOMO | approved | S6-212542 | - |
| S6-212811 | Evaluation of Solution #1 | NTT DOCOMO | approved | S6-212543 | - |
| S6-212812 | Evaluation of Solution #2 | NTT DOCOMO | approved | S6-212544 | - |
| S6-212813 | Proposal of new open issue for key issue #14 Application traffic influence for initially selected EAS | Samsung Electronics Benelux BV | approved | S6-212673 | - |
| S6-212814 | SA6#46-e Work Plan Review | SA6 Chair | noted | - | - |
| S6-212815 | Reply LS on Mission Critical group document content handling for sharing with a partner system | SA6 | approved | S6-212744 | - |
| S6-212816 | Disposition Type of specified MCData users | TD Tech Ltd | agreed | S6-212742 | - |
| S6-212817 | Adding DNN/S-NSSAI information in EAS profile | Huawei, Hisilicon | agreed | S6-212785 | - |
| S6-212818 | Text order and wording corrections for ACR scenarios | Vodafone España SA | agreed | S6-212782 | - |
| S6-212819 | Cancellation Support in ACR | Huawei, HiSilicon, China Mobile, China Telecom, CATT, Convida Wireless, Samsung, Ericsson, Qualcomm | agreed | S6-212784 | - |
| S6-212820 | Removal of PCP from TSC stream discovery | Ericsson Telecomunicazioni SpA | agreed | S6-212621 | - |
| S6-212821 | Correction of Enhanced Status description | Sepura Ltd | agreed | S6-212750 | - |
| S6-212822 | FFAPP Architecture | ZTE Corporation | approved | S6-212740 | - |
| S6-212823 | Architecture for MC/5MBS | AT&T, CBN | agreed | S6-212762 | - |
| S6-212824 | MBS architectural and functionalities | CBN, Huawei, Hisilicon, AT&T, Ericsson | agreed | S6-212768 | - |
| S6-212825 | Multi-server MBS session coordination | Huawei, Hisilicon | agreed | S6-212788 | - |
| S6-212826 | Clarification of the resource owner registration handling function | NTT DOCOMO | approved | S6-212808 | - |
| S6-212827 | IoT Platform deployments | Convida Wireless LLC | approved | S6-212713 | - |
| S6-212828 | Pseudo-CR on fused location service configuration | CATT | approved | S6-212705 | - |
| S6-212829 | Solution for KI 14 | China Mobile Com. Corporation, Ericsson | approved | S6-212729 | - |
| S6-212830 | Support for constrained devices | China Mobile Com. Corporation | approved | S6-212732 | - |
| S6-212831 | New solution - Interworking with ETSI MEC using CAPIF | ETRI, Uangel | approved | S6-212721 | - |
| S6-212832 | Edge Dual Deployment Considerations | Intel Technology India Pvt Ltd | approved | S6-212739 | - |
| S6-212833 | Key Issue on support for multi-USS deployments | Lenovo, Motorola Mobility, InterDigital | approved | S6-212781 | - |
| S6-212834 | Corrections to general requirements for service continuity | Vodafone España SA | agreed | S6-212802 | - |
| S6-212835 | Procedure for inter-system mobility between eMBMS and 5G MBS | Huawei, Hisilicon | agreed | S6-212789 | - |
| S6-212836 | FS\_5GFLS\_Architecture Update | Samsung | approved | S6-212667 | - |
| S6-212837 | Pseudo-CR on new key issue on support for geo-fencing | CATT | approved | S6-212707 | - |
| S6-212838 | New SID on Application layer support for Personal IoT and Residential Networks | SA6 | agreed | S6-212746 | - |
| S6-212839 | New SID on Ad hoc group communication support for mission critical services | SA6 | agreed | S6-212771 | - |
| S6-212840 | R18 workload assessment | SA6 Chair | endorsed | S6-212780 | - |

## Annex B: List of change requests

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S6-212523 | Alignment of the term “USS/UTM” throughout TS 23.255 | InterDigital | 23.255 | 0019 | - | Rel-17 | F | UASAPP | agreed |
| S6-212633 | Removal of Editor’s Note in Introduction | InterDigital | 23.255 | 0020 | - | Rel-17 | D | UASAPP | agreed |
| S6-212647 | Missing IE for Realtime UAV status subscription request | Huawei, Hisilicon | 23.255 | 0021 | - | Rel-17 | F | UASAPP | agreed |
| S6-212663 | Removal of Editor’s Notes in clause 5.2 | InterDigital | 23.255 | 0022 | - | Rel-17 | F | UASAPP | agreed |
| S6-212668 | Removal of Editor’s Notes in clause 7.3 | InterDigital | 23.255 | 0023 | - | Rel-17 | F | UASAPP | revised |
| S6-212711 | Removal of Editor’s Notes in clause 7.3 | InterDigital | 23.255 | 0023 | 1 | Rel-17 | F | UASAPP | agreed |
| S6-212567 | Connection authorisation mechanisms | Nokia, Nokia Shanghai Bell | 23.280 | 0302 | - | Rel-18 | B | MCGWUE | revised |
| S6-212699 | Connection authorisation mechanisms | Nokia, Nokia Shanghai Bell | 23.280 | 0302 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-212571 | Functional architecture | Nokia, Nokia Shanghai Bell | 23.280 | 0303 | - | Rel-18 | B | MCGWUE | agreed |
| S6-212627 | Clarification to MC group configuration procedures for interconnect | Airbus | 23.280 | 0304 | - | Rel-17 | F | enh3MCPTT | revised |
| S6-212743 | Clarification to MC group configuration procedures for interconnect | Airbus | 23.280 | 0304 | 1 | Rel-17 | F | enh3MCPTT | agreed |
| S6-212569 | Connection authorisation configuration data | Nokia, Nokia Shanghai Bell | 23.281 | 0159 | - | Rel-18 | B | MCGWUE | revised |
| S6-212701 | Connection authorisation configuration data | Nokia, Nokia Shanghai Bell | 23.281 | 0159 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-212509 | Disposition Type of specified MCData users | TD Tech Ltd | 23.282 | 0289 | - | Rel-17 | F | eMCData3 | revised |
| S6-212742 | Disposition Type of specified MCData users | TD Tech Ltd | 23.282 | 0289 | 1 | Rel-17 | F | eMCData3 | revised |
| S6-212816 | Disposition Type of specified MCData users | TD Tech Ltd | 23.282 | 0289 | 2 | Rel-17 | F | eMCData3 | agreed |
| S6-212570 | Connection authorisation configuration data | Nokia, Nokia Shanghai Bell | 23.282 | 0290 | - | Rel-18 | B | MCGWUE | revised |
| S6-212702 | Connection authorisation configuration data | Nokia, Nokia Shanghai Bell | 23.282 | 0290 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-212600 | Clarification on the use of MCData notification server(s) | AT&T GNS Belgium SPRL | 23.282 | 0291 | - | Rel-17 | F | eMCData3 | revised |
| S6-212716 | Clarification on the use of MCData notification server(s) | AT&T | 23.282 | 0291 | 1 | Rel-17 | F | eMCData3 | agreed |
| S6-212517 | Correction of Enhanced Status description | Sepura Ltd | 23.283 | 0058 | - | Rel-16 | F | eMCCI | withdrawn |
| S6-212518 | Correction of Enhanced Status description | Sepura Ltd | 23.283 | 0059 | - | Rel-17 | F | eMCCI | revised |
| S6-212750 | Correction of Enhanced Status description | Sepura Ltd | 23.283 | 0059 | 1 | Rel-17 | F | eMCCI | revised |
| S6-212821 | Correction of Enhanced Status description | Sepura Ltd | 23.283 | 0059 | 2 | Rel-17 | F | eMCCI | agreed |
| S6-212643 | Procedure for MBS session creation and service announcement | Huawei, Hisilicon | 23.289 | 0003 | 2 | Rel-18 | B | MCOver5MBS | merged |
| S6-212642 | MC service media distribution over 5G MBS | Huawei, Hisilicon | 23.289 | 0007 | 2 | Rel-18 | B | MCOver5MBS | agreed |
| S6-212515 | Architecture for MC/5MBS | AT&T | 23.289 | 0011 | - | Rel-18 | B | MCOver5MBS | revised |
| S6-212762 | Architecture for MC/5MBS | AT&T | 23.289 | 0011 | 1 | Rel-18 | B | MCOver5MBS | revised |
| S6-212823 | Architecture for MC/5MBS | AT&T, CBN | 23.289 | 0011 | 2 | Rel-18 | B | MCOver5MBS | agreed |
| S6-212554 | MBS architectural and functionalities | CBN | 23.289 | 0012 | - | Rel-18 | B | MCOver5MBS | revised |
| S6-212562 | MBS architectural and functionalities | CBN | 23.289 | 0012 | 1 | Rel-18 | B | MCOver5MBS | revised |
| S6-212768 | MBS architectural and functionalities | CBN, Huawei, Hisiliconm, AT&T, Ericsson | 23.289 | 0012 | 2 | Rel-18 | B | MCOver5MBS | revised |
| S6-212824 | MBS architectural and functionalities | CBN, Huawei, Hisilicon, AT&T, Ericsson | 23.289 | 0012 | 3 | Rel-18 | B | MCOver5MBS | agreed |
| S6-212572 | Corrections on network slicing | Nokia, Nokia Shanghai Bell | 23.289 | 0013 | - | Rel-17 | F | MCOver5GS | revised |
| S6-212703 | Corrections on network slicing | Nokia, Nokia Shanghai Bell | 23.289 | 0013 | 1 | Rel-17 | F | MCOver5GS | agreed |
| S6-212573 | Request for creation MBS resources for group communications | Ericsson | 23.289 | 0014 | - | Rel-18 | B | MCOver5MBS | revised |
| S6-212708 | Request for creation MBS resources for group communications | Ericsson, Huawei | 23.289 | 0014 | 1 | Rel-18 | B | MCOver5MBS | agreed |
| S6-212574 | MBS service announcement procedure | Ericsson  | 23.289 | 0015 | - | Rel-18 | B | MCOver5MBS | merged |
| S6-212575 | Request for updating MBS resources for group communications | Ericsson | 23.289 | 0016 | - | Rel-18 | B | MCOver5MBS | agreed |
| S6-212576 | Request to activate or de-activate multicast MBS sessions  | Ericsson | 23.289 | 0017 | - | Rel-18 | B | MCOver5MBS | revised |
| S6-212709 | Request to activate or de-activate multicast MBS sessions  | Ericsson | 23.289 | 0017 | 1 | Rel-18 | B | MCOver5MBS | agreed |
| S6-212579 | MBS resources usage and requirements for MC group communications | Ericsson | 23.289 | 0018 | - | Rel-18 | B | MCOver5MBS | merged |
| S6-212584 | MCPTT and MCVideo functional model update to enable MC services over MBS  | Ericsson | 23.289 | 0019 | - | Rel-18 | B | MCOver5MBS | merged |
| S6-212644 | MC service control signalling over 5G MBS | Huawei, Hisilicon | 23.289 | 0020 | - | Rel-18 | B | MCOver5MBS | revised |
| S6-212787 | MC service control signalling over 5G MBS | Huawei, Hisilicon | 23.289 | 0020 | 1 | Rel-18 | B | MCOver5MBS | agreed |
| S6-212645 | Multi-server MBS session coordination | Huawei, Hisilicon | 23.289 | 0021 | - | Rel-18 | B | MCOver5MBS | revised |
| S6-212788 | Multi-server MBS session coordination | Huawei, Hisilicon | 23.289 | 0021 | 1 | Rel-18 | B | MCOver5MBS | revised |
| S6-212825 | Multi-server MBS session coordination | Huawei, Hisilicon | 23.289 | 0021 | 2 | Rel-18 | B | MCOver5MBS | agreed |
| S6-212646 | Procedure for inter-system mobility between eMBMS and 5G MBS | Huawei, Hisilicon | 23.289 | 0022 | - | Rel-18 | B | MCOver5MBS | revised |
| S6-212789 | Procedure for inter-system mobility between eMBMS and 5G MBS | Huawei, Hisilicon | 23.289 | 0022 | 1 | Rel-18 | B | MCOver5MBS | revised |
| S6-212835 | Procedure for inter-system mobility between eMBMS and 5G MBS | Huawei, Hisilicon | 23.289 | 0022 | 2 | Rel-18 | B | MCOver5MBS | agreed |
| S6-212568 | Connection authorisation configuration data | Nokia, Nokia Shanghai Bell | 23.379 | 0300 | - | Rel-18 | B | MCGWUE | revised |
| S6-212700 | Connection authorisation configuration data | Nokia, Nokia Shanghai Bell | 23.379 | 0300 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-212626 | Correction to MCPTT group document for interconnect | Airbus | 23.379 | 0301 | - | Rel-17 | F | enh3MCPTT | agreed |
| S6-212563 | TS 23.434 Replace the NSCM with NSCE to align the terminologies | HUAWEI TECHNOLOGIES Co. Ltd. | 23.434 | 0084 | - | Rel-17 | F | eSEAL | revised |
| S6-212766 | TS 23.434 Replace the NSCM with NSCE to align the terminologies | HUAWEI TECHNOLOGIES Co. Ltd. | 23.434 | 0084 | 1 | Rel-17 | F | eSEAL | agreed |
| S6-212611 | Complete location retrieval in an area | Ericsson | 23.434 | 0085 | - | Rel-17 | F | eSEAL | postponed |
| S6-212621 | Removal of PCP from TSC stream discovery | Ericsson Telecomunicazioni SpA | 23.434 | 0086 | - | Rel-17 | F | eSEAL | revised |
| S6-212820 | Removal of PCP from TSC stream discovery | Ericsson Telecomunicazioni SpA | 23.434 | 0086 | 1 | Rel-17 | F | eSEAL | agreed |
| S6-212631 | eSEAL Add missing location area monitoring API | Samsung | 23.434 | 0087 | - | Rel-17 | F | eSEAL | agreed |
| S6-212524 | Message topic unsubcription | Huawei,HiSilicon | 23.554 | 0014 | - | Rel-17 | B | 5GMARCH | revised |
| S6-212751 | Message topic unsubcription | Huawei,HiSilicon | 23.554 | 0014 | 1 | Rel-17 | B | 5GMARCH | agreed |
| S6-212525 | Editoral corrections | Huawei,HiSilicon | 23.554 | 0015 | - | Rel-17 | F | 5GMARCH | agreed |
| S6-212526 | Corrections on broadcast | Huawei,HiSilicon | 23.554 | 0016 | - | Rel-17 | F | 5GMARCH | agreed |
| S6-212527 | Alignment on Message Gateway IE name | Huawei, Hisilicon | 23.554 | 0017 | - | Rel-17 | F | 5GMARCH | agreed |
| S6-212528 |  Remove one IE from AS originating message send request | Huawei,HiSilicon | 23.554 | 0018 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212753 |  Remove one IE from AS originating message send request | Huawei,HiSilicon | 23.554 | 0018 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-212601 | Correction on Message Aggregation | China Mobile Com. Corporation | 23.554 | 0019 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212752 | Correction on Message Aggregation | China Mobile Com. Corporation | 23.554 | 0019 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-212602 | Security aspect of MSGin5G align with SA3 | China Mobile Com. Corporation | 23.554 | 0020 | - | Rel-17 | F | 5GMARCH | revised |
| S6-212754 | Security aspect of MSGin5G align with SA3 | China Mobile Com. Corporation | 23.554 | 0020 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-212636 | Cancellation Support in ACR | Huawei, Hisilicon, China Mobile, China Telecom, CATT | 23.558 | 0042 | 3 | Rel-17 | F | EDGEAPP | revised |
| S6-212784 | Cancellation Support in ACR | Huawei, Hisilicon, China Mobile, China Telecom, CATT, Convida Wireless, Samsung, Ericsson | 23.558 | 0042 | 4 | Rel-17 | F | EDGEAPP | revised |
| S6-212819 | Cancellation Support in ACR | Huawei, HiSilicon, China Mobile, China Telecom, CATT, Convida Wireless, Samsung, Ericsson, Qualcomm | 23.558 | 0042 | 5 | Rel-17 | F | EDGEAPP | agreed |
| S6-212637 | Adding DNN/S-NSSAI information in EAS profile | Huawei, Hisilicon | 23.558 | 0056 | 2 | Rel-17 | F | EDGEAPP | revised |
| S6-212785 | Adding DNN/S-NSSAI information in EAS profile | Huawei, Hisilicon | 23.558 | 0056 | 3 | Rel-17 | F | EDGEAPP | revised |
| S6-212817 | Adding DNN/S-NSSAI information in EAS profile | Huawei, Hisilicon | 23.558 | 0056 | 4 | Rel-17 | F | EDGEAPP | agreed |
| S6-212638 | Correction to EASID description | Huawei, Hisilicon | 23.558 | 0059 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-212639 | Resolving the mismatch of selected ACR scenario between EEC and EAS | Huawei, Hisilicon | 23.558 | 0061 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-212516 | Text order and wording corrections for ACR scenarios | Vodafone España SA | 23.558 | 0062 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212782 | Text order and wording corrections for ACR scenarios | Vodafone España SA | 23.558 | 0062 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-212818 | Text order and wording corrections for ACR scenarios | Vodafone España SA | 23.558 | 0062 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-212522 | Edge functional entity relationship to 5G core | Vodafone España SA | 23.558 | 0063 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212783 | Edge functional entity relationship to 5G core | Vodafone España SA | 23.558 | 0063 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-212534 | Correction on EAS description | NTT DOCOMO | 23.558 | 0064 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212806 | Correction on EAS description | NTT DOCOMO | 23.558 | 0064 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-212603 | Correct ACR inconsistencies | Ericsson | 23.558 | 0065 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212775 | Correct ACR inconsistencies | Ericsson | 23.558 | 0065 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-212604 | Correct EAS required API | Ericsson | 23.558 | 0066 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212776 | Correct EAS required API | Ericsson | 23.558 | 0066 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-212605 | EEC context handling in T-EES | Ericsson, Samsung, Qualcomm | 23.558 | 0067 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212779 | EEC context handling in T-EES | Ericsson, Samsung, Qualcomm | 23.558 | 0067 | 1 | Rel-17 | F | EDGEAPP | merged |
| S6-212607 | Solve EN for ACR co-existence | Ericsson | 23.558 | 0068 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212774 | Solve EN for ACR co-existence | Ericsson | 23.558 | 0068 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-212610 | Functional entity responsibilities related to ACR | Vodafone España SA | 23.558 | 0069 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212801 | Functional entity responsibilities related to ACR | Vodafone España SA | 23.558 | 0069 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-212618 | Making ECSP ID mandatory | Nokia, Nokia Shanghai Bell | 23.558 | 0070 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-212628 | ACR notify message correction | Vodafone España SA | 23.558 | 0071 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212804 | ACR notify message correction | Vodafone España SA | 23.558 | 0071 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-212632 | EDGEAPP\_EAS\_Discovery\_Fix | Samsung | 23.558 | 0072 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212767 | EDGEAPP\_EAS\_Discovery\_Fix | Samsung | 23.558 | 0072 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-212635 | EDGEAPP Correlate ACR procedures | Samsung, Ericsson | 23.558 | 0073 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-212676 | Corrections to general requirements for service continuity | Vodafone España SA | 23.558 | 0074 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212802 | Corrections to general requirements for service continuity | Vodafone España SA | 23.558 | 0074 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-212834 | Corrections to general requirements for service continuity | Vodafone España SA | 23.558 | 0074 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-212634 | Removal of Editor’s Notes in clause 5.2 | InterDigital | 23.755 | 0001 | - | Rel-17 | F | UASAPP | withdrawn |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S6-212501 | n/a | LS on Prioritized Vehicle to Cloud Technical Solutions | AECC - Automotive Edge Computing Consortium | noted | (none) |
| S6-212502 | 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) | noted | (none) |
| S6-212503 | C1-214882 | LS on Private call forwarding | CT1 | replied to | S6-212805 |
| S6-212504 | S2-2108175 | Reply LS on MBS broadcast service continuity and MBS session identification | SA2 | noted | (none) |
| S6-212505 | 5D/TEMP/464(Rev.3) | Development of a draft new Report ITU-R M.[IMT.INDUSTRY] –Applications of IMT for specific societal, industrial and enterprise usages | ITU-R Working Party (WP) 5D | noted | (none) |
| S6-212608 | C1-216220 | LS on Mission Critical group document content handling for sharing with a partner system | CT1 | replied to | S6-212815 |
| S6-212609 | C3-215316 | LS on question and feedback about the EVEX Work Item | CT3 | noted | (none) |
| S6-212686 | LS00319\_001 | Liaison about Publication of Standard MEF 84 Network Slice Service and Attributes | MEF Forum | postponed | (none) |
| S6-212687 | R2-2111511 | Further reply on MBS broadcast service continuity | RAN2 | postponed | (none) |
| S6-212689 | R3-216196 | Reply LS on Bearer pre-emption rate limit issue for GBR bearer establishment in MC systems | RAN3 | postponed | (none) |
| S6-212692 | S3-214337 | LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT | SA3 | postponed | (none) |
| S6-212693 | S4-211647 | Reply LS to CT3 Questions and Feedback on EVEX | SA4 | postponed | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S6-212694 | LS on adhoc group communication | SA1 | - |  |
| S6-212805 | Reply to: LS on Private call forwarding | CT1 | SA1 | S6-212503 |
| S6-212815 | Reply LS on Mission Critical group document content handling for sharing with a partner system | CT1 | - | S6-212608 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S6-212698 | Study on sharing of administrative configuration between interconnected MC service systems  | SA6 | SID new |
| S6-212838 | New SID on Application layer support for Personal IoT and Residential Networks | SA6 | SID new |
| S6-212839 | New SID on Ad hoc group communication support for mission critical services | SA6 | SID new |
| S6-212681 | New SID on 5G-enabled fused location service capability exposure | SA6 | SID revised |
| S6-212728 | Revised SID for FS\_NSCALE | SA6 | SID revised |

## Annex E: List of draft Technical Specifications and Reports

n/a

## Annex F: List of action items

n/a

## Annex G: List of decisions

n/a

## Annex H: List of participants

|  |  |  |
| --- | --- | --- |
| Name | Representing | Status (OP) |
| ÅKESSON, Joakim | Ericsson-LG Co., LTD | 3GPPMEMBER (TTA) |
| ALEKSIEV, Vasil | T-Mobile Austria GmbH | 3GPPMEMBER (ETSI) |
| ALHALASEH, Rana | Ericsson LM | 3GPPMEMBER (ETSI) |
| AMOGH, Niranth | Huawei Technologies R&D UK | 3GPPMEMBER (ETSI) |
| 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 Telekomünikasyon A.S. | 3GPPMEMBER (ETSI) |
| CHAN, Yee Sin | Facebook | 3GPPMEMBER (ETSI) |
| CHATER-LEA, David | Motorola Solutions UK Ltd. | 3GPPMEMBER (ETSI) |
| CHEN, Ying | TD Tech Ltd | 3GPPMEMBER (CCSA) |
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| ELLOUMI, Omar | Nokia Belgium | 3GPPMEMBER (ETSI) |
| FEATHERSTONE, Walter | Samsung R&D Institute UK | 3GPPMEMBER (ETSI) |
| FLANDER, Andreas | BDBOS | 3GPPMEMBER (ETSI) |
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| GREENE, Nancy | Ericsson España S.A. | 3GPPMEMBER (ETSI) |
| GUAN, Ke | BJTU | 3GPPMEMBER (CCSA) |
| HAO, Hongxia | Huawei Technologies Japan K.K. | 3GPPMEMBER (TTC) |
| HJELM, Bjorn | Verizon Sweden | 3GPPMEMBER (ETSI) |
| HU, Yajie | HUAWEI TECH. GmbH | 3GPPMEMBER (ETSI) |
| JANKY, William | FirstNet | 3GPPMEMBER (ATIS) |
| JIA, Xiaoqian | HUAWEI TECHNOLOGIES Co. Ltd. | 3GPPMEMBER (ETSI) |
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| JIAO, Jerry | CALTTA | 3GPPMEMBER (CCSA) |
| KAPALE, Kiran | Samsung R&D Institute India | 3GPPMEMBER (TSDSI) |
| KE, xiaowan | vivo Mobile Communication Co., | 3GPPMEMBER (CCSA) |
| KILGOUR, Kit | Sepura Ltd | 3GPPMEMBER (ETSI) |
| KIM, Hyesung | Samsung Electronics Czech | 3GPPMEMBER (ETSI) |
| KIM, Kyoungchan | Uangel | 3GPPMEMBER (TTA) |
| KOERSTEN, Frank | BDBOS | 3GPPMEMBER (ETSI) |
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| LAZARA, Dominic | Motorola Solutions Germany | 3GPPMEMBER (ETSI) |
| LEE, Cheolung | Samsung Electronics Benelux BV | 3GPPMEMBER (ETSI) |
| LEE, Seung-Ik | ETRI | 3GPPMEMBER (TTA) |
| LI, Mingxue | China Telecomunication Corp. | 3GPPMEMBER (CCSA) |
| LIAO, Ellen C. | Intel Deutschland GmbH | 3GPPMEMBER (ETSI) |
| LIBUNAO, Gerardo | Verizon UK Ltd | 3GPPMEMBER (ETSI) |
| LIU, Yue | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |
| LYU, Huazhang | VIVO TECH GmbH | 3GPPMEMBER (ETSI) |
| MA, Limeng | AsiaInfo | 3GPPMEMBER (CCSA) |
| 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) |
| MONNES, Peter | Peraton Labs | 3GPPMEMBER (ATIS) |
| 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) |
| PARK, Sungjin | Samsung Electronics Polska | 3GPPMEMBER (ETSI) |
| PATEROMICHELAKIS, Emmanouil | Motorola Mobility UK Ltd. | 3GPPMEMBER (ETSI) |
| PATRY, Frank | Omnispace | 3GPPMEMBER (ATIS) |
| PATTAN, Basavaraj (Basu) | Samsung Electronics GmbH | 3GPPMEMBER (ETSI) |
| PLATZER, Andreas | BDBOS | 3GPPMEMBER (ETSI) |
| RAMAMOORTHY, Arunprasath | Samsung Electronics France SA | 3GPPMEMBER (ETSI) |
| RAMANAN, Sivasubramaniam | HOME OFFICE | 3GPPMEMBER (ETSI) |
| REBELLON, Manuel | Sandvine Incorporated | 3GPPMEMBER (ETSI) |
| REZAGAH, Roya | Huawei Technologies Sweden AB | 3GPPMEMBER (ETSI) |
| RURAINSKY, Juergen | BDBOS | 3GPPMEMBER (ETSI) |
| SANDERS, Peter | one2many B.V. | 3GPPMEMBER (ETSI) |
| SHAH, Sapan | Samsung Electronics Nordic AB | 3GPPMEMBER (ETSI) |
| SHAILENDRA, Samar | Intel Technology India Pvt Ltd | 3GPPMEMBER (TSDSI) |
| SHAO, Weixiang | ZTE Corporation | 3GPPMEMBER (CCSA) |
| SHI, Xiaohui | China Mobile Com. 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 | HiSilicon Technologies Co. Ltd | 3GPPMEMBER (CCSA) |
| SUZUKI, Yuji | NTT DOCOMO INC. | 3GPPMEMBER (TTC) |
| SZABO, Geza | Ericsson Telecomunicazioni SpA | 3GPPMEMBER (ETSI) |
| TANGUDU, Narendranath Durga | Samsung Electronics Iberia SA | 3GPPMEMBER (ETSI) |
| TENIOU, Gilles | Tencent | 3GPPMEMBER (CCSA) |
| TOKEL, Baris | ASELSAN | 3GPPMEMBER (ETSI) |
| TRAKINAT, Jean | T-Mobile USA Inc. | 3GPPMEMBER (ATIS) |
| TUNALI, aysegul | ASELSAN | 3GPPMEMBER (ETSI) |
| VERWEIJ, Kees | Netherlands Police | 3GPPMEMBER (ETSI) |
| VIALEN, Jukka | Airbus | 3GPPMEMBER (ETSI) |
| WELLS, Derek | L3Harris Technologies | 3GPPMEMBER (ATIS) |
| WENDLER, Ingo | Union Inter. Chemins de Fer | 3GPPMEMBER (ETSI) |
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| XU, Wenliang | Ericsson India Private Limited | 3GPPMEMBER (TSDSI) |
| XUE, Kaixin | CBN | 3GPPMEMBER (CCSA) |
| YANG, Anqi | CBN | 3GPPMEMBER (CCSA) |
| YANG, Yanmei | Huawei Device Co., Ltd | 3GPPMEMBER (CCSA) |
| YELTEKIN, Yasemin | ASELSAN | 3GPPMEMBER (ETSI) |
| ZAUS, Robert | Apple GmbH | 3GPPMEMBER (ETSI) |
| ZHANG, Ling | CATT | 3GPPMEMBER (CCSA) |
| ZHENG, Shaowen | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |

## Annex I: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Title** | **Start date** | **End date (OP)** | **Town** | **Country** | **Reference** |
| 3GPPSA6#47 | 14/02/2022 | 22/02/2022 | Online  | NA | S6-47 |
| 3GPPSA6#48 | 04/04/2022 | 12/04/2022 | Online | NA | S6-48 |
| 3GPPSA6#49 | 16/05/2022 | 24/05/2022 | Online | 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 |