**3GPP TSG-SA WG6 Meeting #56 S6-232228**

**Göteborg, Sweden 21st – 25th August 2023**

Source: MCC

Title: SA6 Meeting 55 report

Agenda Item: 3

Contact: Bernt Mattsson bernt.mattsson@etsi.org

*Abstract: Meeting report of 3GPP SA6 meeting #55*

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

**Meeting Report  
for  
TSG SA WG6  
meeting: 55**

**Berlin, Germany, 22/05/2023 to 26/05/2023**

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## 1 Opening of the meeting-

### 1.1 Welcome speech and Social Event update

The chair Alan Soloway (Qualcomm) opened the meeting.The planning and schedule of the meeting and parallel streams 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.

### 1.3 Reminder to register to the e-meeting

The chair reminded delegates of the importance to register for the meeting.

### 1.4 Reminder for check-in at the meeting and for wearing badges

The chair reminded delegates of the importance to confirm their attendance in the meeting by checking in for the meeting. The delegates were also reminded to wear their badges.

## 2 Agenda and Chair notes

**S6-231650 SA6 Meeting 55 - Agenda**

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

**Abstract:**

Agenda for the SA6#55 meeting

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

**S6-231652 SA6 Meeting #55 - Agenda with Tdocs allocation after submission deadline**

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

**Abstract:**

The SA6#55 meeting agenda with Tdocs allocation after submission deadline

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

**S6-231653 SA6 Meeting #55 - Agenda with Tdocs allocation at start of the meeting**

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

**Abstract:**

The SA6#55 meeting agenda with Tdocs allocation at the start of the meeting

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

**S6-231654 SA6 Meeting #55 - Chair's notes at end of the meeting**

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

**Abstract:**

Chair's notes at end of the SA6#55 meeting

**Decision:** The document was **not treated**.

## 3 Report from previous meetings

**S6-231651 SA6 Meeting 54-e Report**

*Type: report For: Approval  
 Source: MCC*

**Abstract:**

The report of the SA6#54-e meeting.

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

## 4 Liaison statements

### 4.1 Incoming LSs

**S6-231664 Reply LS on the reuse of EVEX as specified in TS 26.531**

*Type: LS in For: Action  
 Original outgoing LS: S4-230683, to SA6, cc SA2, CT3  
 Source: SA4*

**Abstract:**

1. Overall description

SA4 thanks SA6 for its LS on possible reuse of the SA4-defined EVEX framework in the context of the Application Data Analytics Enablement Services (ADAES) and application service management in eSEAL2 work items in order to avoid duplication of effort.

The "EVEX framework" is here understood to mean:

i. The generic reference architecture for UE data collection, reporting and event exposure as envisaged by SA2 in TS 23.288 and as defined by SA4 in TS 26.531.

ii. The Ndcaf\_DataReportingProvisioning service for provisioning of UE data collection, reporting and event exposure in the Data Collection AF, as specified by SA4 in TS 26.532, as well as northbound exposure of this service by the NEF specified by CT3 in clause 5.24 of TS 29.522.

iii. The Ndcaf\_DataReporting service for UE data reporting, as specified by SA4 in TS 26.532 as well as its northbound exposure by the NEF specified by CT3 in clause 5.23 of TS 29.522.

iv. Use of the Naf\_EventExposure service as defined by SA2 in clause 5.2.19.2 of TS 23.502, and as specified by CT3 in TS 29.517, to expose events to authorised Event Consumer AF instances, as required by SA4 in TS 26.531, as well as southbound exposure of this service by the NEF specified by CT3 in clauses 4.2 and 5.1 of TS 29.591.

SA4 is pleased to provide the following evaluation of whether the existing data collection from the UE Application capability supports the requirements listed by SA6.

NOTE: The requirements are tackled in a different order from the original LS.

2. The UE Application shall be able to send/push collected data on-demand (i.e. without need for setting up session) to ASP through a request/response mechanism.

In assessing this requirement, SA4 assumes that "collected data" here refers to UE data that has been collected by the UE Application.

SA4 believes that this requirement is partially met by the EVEX framework in Release 17.

As specified in clause 8.3 of TS 26.532, a UE Application is able to report collected UE data to the Direct Data Collection Client according to a previously obtained data collection and reporting configuration. It does so by invoking the client API method reportUeData at reference point R7. The UE data is reported to the Data Collection AF in line with the stipulations of the data collection and reporting configuration, and the Data Collection AF can subsequently expose derived events to the Event Consumer AF in the ASP. Hence, the ASP can also subscribe to the Data Collection AF at reference point R6 and subsequently receive event notifications.

In Release 17, however, all data reporting by the Direct Data Collection Client occurs in the scope of a data reporting session established with the Data Collection AF at reference point R2, as specified in clauses 4.3.2.2 and 4.3.3 of TS 26.532. Subsequent exposure of derived events to the ASP occurs within the limits of a provisioning session previously established between the ASP and the Data Collection AF at reference point R1, which may include a set of data exposure restrictions expressed in the form of Data Access Profiles. This design ensures that the event exposure configuration fulfils the requirement of the ASP, which may include compliance with data protection regulations. Clause 4.5.2 of TS 26.531 defines a data exposure restriction model for the EVEX framework that satisfies these requirements.

Hence, in Release 17, the EVEX framework does not support pushing collected UE data outside the scope of enclosing provisioning session. SA4 is not, at present, considering any contributions aimed at extending the EVEX framework to push collected UE data directly to ASPs outside the scope of an enclosing provisioning session. However, SA4 would be interested to learn more about the use case in order to understand whether it falls within the scope of the EVEX framework, and how the UE data reported to the Data Collection AF can be protected appropriately in the absence of such a session.

Notwithstanding the abovementioned design limitations, SA4 observes that there is nothing to prevent a UE Application from reporting UE data directly to an ASP using application-specific means outside the scope of 3GPP standardisation (i.e., at reference point R8 which is defined in TS 26.531 but not further specified and therefore left to implementation).

3. The ASP shall be able retrieve collected data from the UE Application through a subscribe/notify mechanism.

In assessing this requirement, SA4 assumes that "collected data" here refers to UE data collected from the UE Application at reference point R7 per the above requirement, and subsequently reported asynchronously to the Data Collection AF by a configurable subpopulation of UEs.

SA4 believes that this requirement is met by the EVEX framework in Release 17.

Subject to the (potentially extensible) restrictions on permitted event subscribers specified by CT3 in clause 4.2.2.1 of TS 29.517, as well as individual system deployment policy and data exposure restrictions expressed in the current provisioning state, an Event Consumer AF in an ASP is able to subscribe to events exposed by the Data Collection AF using either the Naf\_EventExposure service or else (if deployed in an external DN) the Nnef\_EventExposure service proxied through the NEF.

The events exposed are based on UE data reported asynchronously to the Data Collection AF and are expected to comply with the access restrictions defined for the event in question and the current provisioning state of the Data Collection AF.

However, if an ASP needs to subscribe to the UE to receive data directly, then it is out of the scope of the EVEX framework in Release 17. In this case, the SA6 requirement is not met by the EVEX framework in Release 17.

4. The ASP shall be able to configure the subscription for the UE Application including the specific information to be reported, the triggering criteria and reporting configuration.

SA4 believes that this requirement is partially met by the EVEX framework in Release 17.

At the point of subscription, only the event of interest and certain limited data filtering criteria (e.g. UE location) are specified by the event consumer (e.g. the ASP) when invoking the SA2-defined Naf\_EventExposure service on the Data Collection AF. The set of UE data to be exposed to event consumers, and hence the set of UE data to be reported by the Direct Data Collection Client (including UE data collected from the UE Application) is configured in the provisioning session previously established between the ASP and the Data Collection AF.

SA4 is not, at present, considering any contributions aimed at changing this split of responsibilities. However, SA4 would like to inform SA6 that it agreed a Change Request at its SA4#123-e meeting to enhance the criteria for triggering the reporting of UE data to the Data Collection AF, as well as related enhancements to the reporting configuration. SA4 invites SA6 to review the attached CR and provide comments on whether it satisfies the more detailed requirements of the ADAES work item.

1. The ASP shall be able to retrieve/pull collected data on-demand (i.e. without need for setting up session) from the UE Application through a request/response mechanism.

In assessing this requirement, SA4 assumed that "collected data" here refers to UE data that has already been reported asynchronously to the Data Collection AF by a configurable subpopulation of UEs.

SA4 believes that this requirement is partially met by the EVEX framework in Release 17.

The EVEX framework, as presently defined, relies on the Naf\_EventExposure service defined by SA2. This follows an efficient subscription-based model in which authorisation for an event consumer to receive exposed events is established at the time of subscription.

In addition, clause 4.2.2 of TS 29.517 specifies support in its Naf\_EventExposure\_Subscribe service operation for an event consumer to immediately receive already available UE data associated with the subscribed event. (This outcome is achieved by setting the "immediate reporting" flag immRep on the eventRepInfo data structure passed to the Data Collection AF as input parameters to this operation.) If the "immediate reporting" flag is set for a new subscription, an event is returned synchronously in the response; when modifying an existing subscription, the event is sent to the callback endpoint for the subscription. This existing mechanism may satisfy the SA6 requirement. However, note that the above mechanism does not trigger a particular UE Application to send data on demand to the ASP, in which case the SA6 requirement is not met by the EVEX framework in Release 17.

Alternatively, the Naf\_EventExposure service could potentially be extended by SA2 to offer a more explicit query service operation, in which case all types of event consumer – including the ASP's Event Consumer AF – could take advantage of this facility. Such an operation would have access to UE data already reported to the Data Collection AF, subject to the limitations of its data retention policy.

SA4 is interested to understand this requirement further.

2 Actions

To SA6

ACTION: SA4 asks SA6 to take the above information into account.

ACTION: In relation to requirement 4, SA4 invites SA6 to review the attached Change Request and to provide comments.

In addition, SA4 kindly invites SA6 to explain their requirements in greater detail to SA4, perhaps in the context of an informal joint rapporteurs' call prior to SA4#124 (dates in section 3 below).

To SA2

ACTION: In relation to requirement 1, SA4 asks SA2 to comment on the possibility of extending the Naf\_EventExposure service to include a query operation in support of the stated SA6 requirement.

**Discussion:**

Samsung presented the LS available as S6-231664.

**Decision:** The document was **replied to in S6-231908**.

**S6-231656 LS reply-2 to 3GPP SA6 on Clarification of Edge Node Sharing**

*Type: LS in For: Action  
 Original outgoing LS: OPG121 Doc\_04, to SA6, cc SA, SA2  
 Source: OPG*

**Discussion:**

Samsung presented the LS available as S6-231656.

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

**S6-231932 LS on 3GPP work on Energy Efficiency**

*Type: LS in For: Action  
 Original outgoing LS: S5-232903, to SA, RAN, CT, SA1, SA2, SA3, SA4, SA6, RAN1, RAN2, RAN3, RAN4, CT1, CT3, CT4, cc -  
 Source: SA5*

**Abstract:**

1. Overall Description:

This attached document, endorsed by SA5 at its meeting#146-bis-e, aims at providing a comprehensive view of the ongoing work on Energy Efficiency (EE) in 3GPP.

The work can be viewed from 3 different perspectives:

1. Energy Efficiency (EE), which includes:

a. Defining KPIs to measure the energy efficiency of 5G network entities such as e.g. 5G core network, 5G RAN, network slices, etc.

b. Defining new or using already defined performance measurements / metrics to build EE KPIs

c. Specifying the measurement and collection method(s)

2. Energy Saving (ES), i.e. the optimization (by the network operator) of the energy efficiency of the 5G network entities, which includes:

a. Describing use cases / scenarios in which energy savings may be achieved, and related requirements

b. Specifying solutions to support these use cases / scenarios and achieve related energy savings

3. Digital Sobriety (DS), i.e. the definition and adoption of best practices (by service users) to help save energy in the 5G network, which includes:

a. Describing use cases / scenarios in which service users may help save energy in the 5G network, e.g. by changing their behaviour

b. By extension, it is proposed that digital sobriety also includes how 3GPP may help save energy in the 5G network, e.g. by designing sober, eco-friendly solutions. As an example, amongst various candidate solutions proposed in 3GPP WGs to support use cases / scenarios and requirements, some of them may be more digital sober than others by requiring less volume of data to be processed, stored, transported. This eco-friendly aspect should be considered when selecting the final solution.

The table in the attached document aims at identifying all TSGs / WGs initiatives (Rel-18 study or work items, except for SA1 which Rel-19 study is mentioned) related to the three aforementioned pillars (Energy Efficiency, Energy Saving, Digital Sobriety).

2. Actions:

To 3GPP TSGs SA, RAN, CT, WGs SA1, SA2, SA3, SA4, SA6, RAN1, RAN2, RAN3, RAN4, CT1, CT3, CT4:

• Please correct and/or complement the table present in the attached document if and where deemed appropriate,

• Please keep SA5 informed in case of new Rel-18 SI/WI addressing energy efficiency and/or energy saving and/or digital sobriety, so that SA5 can maintain such information for the Rel-18 or later release timeframe.

**Discussion:**

Huawei presented the LS available as S6-231932.

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

**S6-231657 Reply LS on 3GPP work on Energy Efficiency**

*Type: LS in For: Information  
 Original outgoing LS: C1-232650, to SA5, cc SA, SA1, SA2, SA3, SA4, SA6, RAN, RAN1, RAN2, RAN3, RAN4, CT, CT3, CT4  
 Source: CT1*

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

**S6-231659 Reply LS on 3GPP work on Energy Efficiency**

*Type: LS in For: Information  
 Original outgoing LS: C3-231470, to SA5, cc CT, CT1, CT3, CT4, SA, SA1, SA2, SA3, SA4, SA6, RAN, RAN1, RAN2, RAN3, RAN4  
 Source: CT3*

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

**S6-231658 Reply LS on EAS ID interpretation**

*Type: LS in For: Information  
 Original outgoing LS: C3-231469, to ETSI ISG MEC, cc SA6, CT1  
 Source: CT3*

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

**S6-231684 Reply LS to 3GPP CT3 on EAS ID interpretation**

*Type: LS in For: Information  
 Original outgoing LS: MEC(23)000176r1, to CT3, cc SA6, CT1  
 Source: ETSI ISG MEC*

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

**S6-231660 LS on clarifications on V2X, UAS and SEAL entities acting as EAS**

*Type: LS in For: Action  
 Original outgoing LS: C3-231591, to SA6, cc CT1  
 Source: CT3*

**Abstract:**

1 . Overall description

CT3 has the following questions on the stage 2 requirements defined in Annex A of TS 23.255, Annex D of TS 23.286 and TS 23.434 of V2X layer entities (i.e. V2X Application Specific Server, VAE Server), UAS layer entities (i.e. UAS Application Specific Server, UAE Server) and SEAL layer entities (i.e. SEAL Servers, e.g. GM Server) acting as an EAS.

Question 1: Does the EEL layer need to know which entity is acting as an EAS in order to process the related requests and API invocations? For example, does the EEL layer need to know whether the EAS type is UAS Application Specific Server or UAE Server (e.g. in order to determine the target client in the UE or vice versa)?

Question 2: If it is the case, then can the EAS type be used to convey the type of entity that is currently acting as EAS (e.g. UAS Application Specific Server or UAE Server) ?

2. Actions

To: SA6

ACTION: CT3 kindly asks SA6 to provide feedback on the above questions.

**Discussion:**

Huawei presented the LS available as S6-231660.

**Decision:** The document was **replied to in S6-231865**.

**S6-231661 LS on the triggering criteria for the VAL service area in the SS\_LocationReporting API**

*Type: LS in For: Action  
 Original outgoing LS: C3-231604, to SA6, cc CT1  
 Source: CT3*

**Abstract:**

1. Overall Description:

CT3 is discussing the triggering criteria for the VAL service area defined for the SS\_LocationReporting API in 3GPP TS 23.434.

According to that TS, a location report trigger may include the triggering criteria from the VAL server to the location management server, then the triggering criteria is sent from location management server to location management client. Clause 9.3.3.1 of 3GPP TS 23.434 provides the examples of the location reporting conditions that can be triggered at the location management client, i.e.,

The decision to report location information can be triggered at the location management client by different conditions, e.g., the reception of the location reporting configuration, initial registration, distance travelled, elapsed time, cell change, MBMS SAI change, MBMS session change, leaving a specific MBMS bearer service area, tracking area change, PLMN change, call initiation, or other types of events such as emergency.

The VAL server can include a VAL service area ID in the sent location report trigger. However, 3GPP TS 23.434 does not specify in detail the triggering criteria based on the VAL service area ID.

Therefore, CT3 has the following question on the overall operation of this mechanism:

Question 1: Does the triggering criteria based on the VAL service area ID support both periodic and event-triggered reporting?

Question 2: If the event-triggered reporting is supported by the triggering criteria for the VAL service area ID, what event types should be supported?

2. Actions:

To SA6 group.

ACTION: CT3 kindly requests SA6 to answer the question(s) above and update their Specifications accordingly, if considered necessary.

**Discussion:**

Ericsson presented the LS available as S6-231661.

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

**S6-231662 Reply to LS on AFId parameter value in EES invocation of Nnef\_UEId\_Get service**

*Type: LS in For: Action  
 Original outgoing LS: S2-2305883, to SA6, SA3, cc -  
 Source: SA2*

**Abstract:**

1. Overall description

SA2 thanks SA6 for the LS on AFId parameter value in EES invocation of Nnef\_UEId\_Get service.

Based on the discussion, SA2 has agreed that the scenario SA6 asked, i.e. the EES initiates the NEF API and includes the EASId as the AFId in its call to the Nnef\_UEId\_Get service acting as a pass through to provide the CN-assigned AF-specific UE ID to the EAS, is a valid requirement and can be acceptable from SA2 viewpoint.

2. Actions

To SA6

ACTION: SA2 asks SA6 to kindly consider above information.

**Discussion:**

China Mobile presented the LS available as S6-231662.

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

**S6-231663 Reply LS on Edge Configuration Server associated with or serves multiple PLMNs**

*Type: LS in For: Action  
 Original outgoing LS: S2-2306216, to SA6, cc CT1  
 Source: SA2*

**Abstract:**

1. Overall Description:

SA2 thanks SA6 for sending the LS with information about Edge Configuration Server associated with or serves multiple PLMNs.

SA2 has another question, that is it possible for AF to provide the PLMN IDs that this ECS can serve outside of the ECS Address Configuration Information? The 5GC needs to determine which UEs can use or be received these addresses, based on the PLMN ID.

2. Actions:

To SA6 group.

ACTION: SA WG2 asks SA WG6 to take the above information into account.

**Discussion:**

Vivo presented the LS available as S6-231663.

**Decision:** The document was **replied to in S6-231736**.

**S6-231665 Reply LS on Alignment of SA3 security aspects for Personal IoT Networks**

*Type: LS in For: Action  
 Original outgoing LS: S3-232118, to SA6, cc SA2  
 Source: SA3*

**Abstract:**

1 . Overall description

SA3 would like to thank SA6 for their LS S6-230792/S3-231714 on the Alignment of SA3 security aspects for Personal IoT Networks.

SA3 would like SA6 to know that SA3 discussed the LS in S6-230792/S3-231714. To consider and develop appropriate security solutions addressing PINAPP, SA3 would like to request information regarding which interfaces in the PINAPP are in the scope of 3GPP, and what application layer protocol(s) (for both security and non-security purposes) will be used in the PINAPP architecture.

2. Actions

To SA6

ACTION: SA3 kindly asks SA6 to provide the requested information.

**Discussion:**

InterDigital presented the LS available as S6-231665.

**Decision:** The document was **replied to in S6-231754**.

**S6-231666 LS on initiation of new work item ITU-T Y.NGNe-CEE "Capability exposure enhancement in next generation network evolution (NGNe)"**

*Type: LS in For: Information  
 Original outgoing LS: SG13-LS83, to ITU-T SG2, SG11, 3GPP SA6, cc -  
 Source: ITU SG13*

**Abstract:**

This liaison statement informs about the initiation of new work item Y.NGNe-CEE “Capability exposure enhancement in next generation network evolution (NGNe)” in Q2/13.

**Discussion:**

The chair presented the LS available as S6-231666.

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

**S6-231667 LS reply to GSMA on publication of GSMA OPG and OPAG documents**

*Type: LS in For: Information  
 Original outgoing LS: S5-233543, to GSMA OPG, OPAG, cc SA2, SA6, ETSI ISG MEC, ETSI ISG NFV  
 Source: SA5*

**Abstract:**

1. Overall description

3GPP SA5 thanks GSMA OPG for their LS on publication of GSMA OPG and OPAG documents

3GPP SA5 has observed that "Management of network slice lifecycle via SouthBound Interface – Operation and Maintenance (SBI-OAM)" has been introduced as a new SouthBound Interface in GSMA PRD OPG.02 Operator Platform Telco Edge Requirements version 4.0 for operation and management.

3GPP SA5 is responsible for the specification of management services or management functions within 3GPP and there is an ongoing 3GPP SA5 study on network slice capability exposure which studies how network operators can expose operation and management APIs to third party such as Application Provider in GSMA OPG.02.

Since the SBI-OAM is newly introduced in OPG.02 v4.0, 3GPP SA5 assumes that GSMA OPG will continue to enhance the SBI-OAM in later versions of OPG.02 and would like to collaborate with GSMA OPG on such network management capability exposure topic.

2 . Actions

To GSMA OPG

Action: 3GPP SA5 kindly requests GSMA OPG to take the above information into consideration and provide feedback if needed.

**Discussion:**

Huawei presented the LS available as S6-231667.

The LS triggered a new (standalone) LS S6-231943 to be sent to OPG. This is however not a reply to the present LS.

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

**S6-231668 LS on Reply LS on interface and exposure entities requirement for network slice management service**

*Type: LS in For: Action  
 Original outgoing LS: S5-233624, to SA6, cc -  
 Source: SA5*

**Abstract:**

1 . Overall description

SA5 thanks SA6 for their interest and questions in relation to the study on network slice management capability exposure. The answers to the questions are documented under each question.

Question 1:Whether there will have normative work in SA5 R18 working on the function entity for network slice management capabilities exposure, such as EGMF?

Answer 1: SA5 OAM is responsible for the specification of any management services or management functions within 3GPP. There is an ongoing study on network slice capability exposure, a new normative WI may be needed after that.

Question 2: Would the ITF-2 be newly specified to support the network slice management capabilities exposure, or would the existing candidate APIs for Interface ITF-2(including 3GPP TS 28.531, TS 28.532, TS 28.545, TS 28.550) be enhanced to be re-utilized?

Answer 2: The current specifications for network slice management can be used by any authorized consumer. The study mentioned in answer 1 may propose that existing network slice management API’s are enhanced with further capabilities.

Question 3: Would the CAPIF be used to support SA5 defined network slice management capability exposure?

Answer 3: CAPIF could be used as one of several possible solutions supporting SA5 defined network slice management capability exposure. The ongoing study on network slice capability exposure describes amongst other procedures and solutions a procedure using CAPIF for exposure (see TR 28.824 clause 4.1.4.6) and solution alternative using CAPIF for exposure (see TR 28.824 clause 7.9 and 7.10).

2. Actions

To SA6

ACTION: SA5 asks SA6 to take the provided information into account.

**Discussion:**

Ericsson presented the LS available as S6-231668.

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

**S6-231931 Reply on 3GPP TR 23.700-98 V1.2.0 Analysis**

*Type: LS in For: Action  
 Original outgoing LS: OPAG#55 Doc 03, to SA6, cc OPG, SA  
 Source: OPAG*

**Abstract:**

1. Introduction

The GSMA OPG Operator Platform API Group (OPAG) would like to thank 3GPP for the feedback provided to LS on 3GPP TR 23.700-98 V1.2.0 Analysis.

The focus from previous LS was the KIs related to EDGE-10 interface and its relation to federation, but we understand that probably more than one interface defined in the EDGEAPP architecture, such as EDGE-6 or EDGE-9, may be related to EWBI definition in OPAG.

This LS provides OPAG's comments into the reply LS received from 3GPP SA6 to OPAG's analysis of 3GPP TR 23.700-98 V1.2.0.

2. Overall Description

OPAG understands that from 3GPP SA6 EWBI requirements are still in a study phase. However, there are already related key issues and solutions proposed that are expected to cover those requirements. OPAG is aligned with the information and solutions related to below KI

• Key Issue #6: Edge services support across ECSPs

• Key Issue #10: Support for roaming UEs.

• Key Issue #22: EAS discovery in Edge Node sharing scenario

In addition, find OPAG comments and questions regarding KI#9, #17 and #20 related to federation:

• Key issue #9: Enhancement of dynamic EAS instantiation triggering

In the TR it has been specified that the EES may invoke EAS dynamic instantiation, e.g. considering EEC service characteristics such as location. Is 3GPP SA6 considering the scenario where this invocation for EAS instantiation happens in an edge sharing environment?

• Key Issue #17: Discovery of a common EAS.

This KI covers the scenario where several EASs (with the same service) are deployed in different locations in the same EDN. What is 3GPP SA6's view on having more than one EDN involved in the discovery procedure, i.e. where those EDNs are managed by OP federated partners? Is this considered a possible scenario?

• Key issue #20: Supporting composite EASs

In the TR it is mentioned that when ACR occurs due to UE mobility, a method of rearranging the composite EAS context may be required to provide a continuous service of the composite EASs. OPAG assumes that such ACR capability should be supported in federated environment to cover cases when the UE mobility occurs to a location managed by a partner OP.

Furthermore, OPAG would like to understand better the details of 3GPP's approach to the EWBI especially which EDGEAPP interfaces are involved and when to use what interface (i.e. for which scenarios and use cases). Therefore, OPAG kindly asks 3GPP SA6 if there have been any updates in their latest versions of the TR related to these Kis (i.e. #6, #10, #22, #9, #17 and #20) and their proposed solutions. Such details from 3GPP SA6 will be helpful to understand the mapping between OPAG's EWBI definition and 3GPP's specifications.

3. Actions

OPAG would kindly invite 3GPP SA6 to consider the above feedback in their work and would appreciate 3GPP SA6's feedback on the clarifications that were requested.

**Discussion:**

The chair presented the LS available as S6-231931.

**Decision:** The document was **replied to in S6-231944**.

**S6-231933 Alignment of activities on UE data collection reporting and event exposure**

*Type: LS in For: Information  
 Original outgoing LS: SP-230394, to SA4, cc SA2, SA6  
 Source: SA*

**Abstract:**

1. Overall Description:

TSG SA discussed the work on UE data collection happening in SA2, SA4 and SA6 in order to avoid fragmentation on the solutions. TSG SA acknowledges that the system architecture, reference points, and high-level procedures regarding generic UE data collection, reporting and event exposure that are currently described in the stage 2 specification TS 26.531 and stage 3 specification TS 26.532 define the detailed procedures and associated APIs for the generic UE data collection and reporting functionality (this is referred to as "EVEX framework" below for brevity).

SA6 expressed in LS S6-231059 to SA4 the following additional requirements needed by the Application Service Provider (ASP) as described in the architecture defined in 3GPP TS 26.531:

1. The ASP shall be able to retrieve/pull collected data on-demand (i.e. without need for setting up session) from the UE Application through a request/response mechanism.

2. The UE Application shall be able to send/push collected data on-demand (i.e. without need for setting up session) to ASP through a request/response mechanism.

3. The ASP shall be able retrieve collected data from the UE Application through a subscribe/notify mechanism.

4. The ASP shall be able to configure the subscription for the UE Application including the specific information to be reported, the triggering criteria and reporting configuration.

In the context of rel.18 KI#2 of FS\_AIMLsys, SA2 discussed (as one of the options out of multiple solutions) about the possibility to enhance the framework for data collection from the UE Application to also expose 5GC information to the UE.

Note that SA2 concluded that no normative work will be progressed in rel.18 for Key Issue #2 of FS\_AIMLsys.

Considering the above, we ask for feedback from SA4, preferably before SA#100 makes final decision on how to best create a common framework for data collection and sharing information between UE and 5GC for all purposes needed across SA WGs:

- Whether SA4 is willing to maintain and enhance the technical specifications that comprise the "EVEX framework" and fulfil any changes necessary based on requirements from other WGs in rel. 18 and future releases that fall within the existing scope of the framework?

- Whether SA4 is willing to extend the scope the "EVEX framework", e.g. to fulfil any changes necessary based on requirements from other WGs in future releases?

If SA4 is not willing to do changes in the "EVEX framework" for UE data collection TSG SA will discuss further whether the architecture and related procedures are transferred and maintained by another WG (SA2 or SA6).This existing or new specification can focus on UE data collection in the future.

None of the above considerations will disrupt existing Rel.18 activities e.g. "Application Data Analytics Enablement Services (ADAES)" and "Application service management in eSEAL2" work items of SA6, including the requirements and associated solutions. Also, Rel.18 conclusions of FS\_AIMLsys would not be modified.

2. Actions:

To SA4

ACTION: TSG SA kindly ask:

- Whether SA4 is willing to maintain and enhance the technical specifications that comprise the "EVEX framework" and fulfil any changes necessary based on requirements from other WGs in Rel.18 and future releases that fall within the existing scope of the framework.

- Whether SA4 is willing to extend the scope of the "EVEX framework", e.g. to fulfil any changes necessary based on requirements from other WGs in future releases.

**Discussion:**

Qualcomm presented the LS available as S6-231933.

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

### 4.2 Outgoing LSs

**S6-231838 Reply LS on the triggering criteria for the VAL service area in the SS\_LocationReporting API**

*Type: LS out For: Approval  
 to CT3, cc CT1  
 Source: Samsung*

**Discussion:**

Samsung presented the draft LS S6-231838 as proposed reply to S6-231661.

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

**S6-231940 Reply LS on the triggering criteria for the VAL service area in the SS\_LocationReporting API**

*Type: LS out For: Approval  
 to CT3, cc CT1  
 Source: Samsung*

(Replaces S6-231838)

**Discussion:**

Initally reserved as revision for S6-231838.

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

**S6-231865 Reply LS on clarifications on V2X, UAS and SEAL entities acting as EAS**

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

**Discussion:**

Ericsson presented the draft LS S6-231865 as proposed reply to S6-231660.

Samsung noted they were in general fine with the proposed LS but suggested shortening the LS.

**Decision:** The document was **revised to S6-231939**.

**S6-231939 Reply LS on clarifications on V2X, UAS and SEAL entities acting as EAS**

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

(Replaces S6-231865)

**Discussion:**

Ericsson presented the LS available as S6-231939.

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

**S6-231908 Reply LS on the reuse of EVEX as specified in TS 26.531**

*Type: LS out For: Approval  
 to SA4, cc SA2, CT3  
 Source: Samsung*

**Discussion:**

Samsung presented the draft LS S6-231908 prepared as proposed reply to S6-231664.

It was noted that the intention is to approve a reply LS during the first day of the meeting in order to send it to SA4 and possibly have a reply but the end of the meeting week.

**Decision:** The document was **revised to S6-231938**.

**S6-231938 Reply LS on the reuse of EVEX as specified in TS 26.531**

*Type: LS out For: Approval  
 to SA4, cc SA2, CT3  
 Source: Samsung*

(Replaces S6-231908)

**Decision:** The document was **revised to S6-232001**.

**S6-232001 Reply LS on the reuse of EVEX as specified in TS 26.531**

*Type: LS out For: Approval  
 to SA4, cc SA2, CT3  
 Source: Samsung*

(Replaces S6-231938)

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

**S6-231754 Reply LS on Alignment of SA3 security aspects for Personal IoT Networks**

*Type: LS out For: Approval  
 to SA3, cc SA2  
 Source: InterDigital*

**Discussion:**

InterDigital presented the draft LS S6-231754 proposed as reply to S6-231665.

**Decision:** The document was **revised to S6-231942**.

**S6-231942 Reply LS on Alignment of SA3 security aspects for Personal IoT Networks**

*Type: LS out For: Approval  
 to SA3, cc SA2  
 Source: InterDigital*

(Replaces S6-231754)

**Discussion:**

InterDigital presented the document S6-231942.

Samsung suggested deleting the sentence with "SA6 concern" i.e. "Without support for security mechanisms, SA6 is concerned that adoption of the application layer for Personal IoT Networks will be inadequate."

The only change is removing the sentence "Without support for security mechanisms, SA6 is concerned that adoption of the application layer for Personal IoT Networks will be inadequate."

**Decision:** The document was **revised to S6-232076**.

**S6-232076 Reply LS on Alignment of SA3 security aspects for Personal IoT Networks**

*Type: LS out For: Approval  
 to SA3, cc SA2  
 Source: SA6*

(Replaces S6-231942)

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

**S6-231736 LS reply on Edge Configuration Server associated with or serves multiple PLMNs**

*Type: LS out For: Approval  
 to SA2, cc CT1  
 Source: vivo*

**Discussion:**

Vivo presented the draft LS S6-231736 proposed as a reply to S6-231663.

Ericsson suggested to remove the ECS from the second paragraph.

The LS was revised in order to attach the related CR (when agreed).

**Decision:** The document was **revised to S6-231941**.

**S6-231941 LS reply on Edge Configuration Server associated with or serves multiple PLMNs**

*Type: LS out For: Approval  
 to SA2, cc CT1  
 Source: vivo*

(Replaces S6-231736)

**Decision:** The document was **revised to S6-231999**.

**S6-231999 LS reply on Edge Configuration Server associated with or serves multiple PLMNs**

*Type: LS out For: Approval  
 to SA2, cc CT1  
 Source: SA6*

(Replaces S6-231941)

**Discussion:**

Vivo presented the document S6-231999.

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

Attachments to this outgoing LS: S6-232019

**S6-231943 LS to GSMA on publication of GSMA OPG and OPAG documents**

*Type: LS out For: Approval  
 to GSMA OPG, OPAG, cc 3GPP SA2, SA5  
 Source: Huawei*

**Decision:** The document was **revised to S6-232000**.

**S6-232000 LS on LS reply to GSMA on publication of GSMA OPG and OPAG documents**

*Type: LS out For: Approval  
 to GSMA OPG, OPAG, cc 3GPP SA2, SA5  
 Source: Huawei*

(Replaces S6-231943)

**Discussion:**

Huawei presented the document S6-232000.

Only change is replacing the sentence

"SA6 also notices that network slice is one of important topics in GSMA OPG. SA6 would like to inform GSMA OPG that SA6 has an on-going work about the network slice capability enablement (NSCE) and the related specification is TS 23.435."

with

"SA6 also notices that network slice is one of important topics in GSMA OPG. SA6 would like to inform GSMA OPG that SA6 has an on-going work about the network slice capability enablement (NSCE) in Service Enable Architecture Layer (SEAL) and the related specification is in TS 23.435."

**Decision:** The document was **revised to S6-232145**.

**S6-232145 LS on LS reply to GSMA on publication of GSMA OPG and OPAG documents**

*Type: LS out For: Approval  
 to GSMA OPG, OPAG, cc 3GPP SA2, SA5  
 Source: SA6*

(Replaces S6-232000)

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

Attachments to this outgoing LS: TS 23.435 v1.2.0

**S6-232163 LS on LS reply to GSMA on publication of GSMA OPG and OPAG documents**

*Type: LS out For: Approval  
 to GSMA OPG, OPAG, cc 3GPP SA2, SA5  
 Source: Huawei*

(Replaces S6-232145)

**Discussion:**

Initially reserved as revision to S6-232145.

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

**S6-231944 LS on Reply LS on 3GPP TR 23.700-98 V1.2.0 Analysis**

*Type: LS out For: Approval  
 to GSMA OPAG, cc SA  
 Source: Samsung*

**Decision:** The document was **revised to S6-232127**.

**S6-232127 LS on Reply LS on 3GPP TR 23.700-98 V1.2.0 Analysis**

*Type: LS out For: Approval  
 to GSMA OPAG, cc SA  
 Source: SA6*

(Replaces S6-231944)

**Discussion:**

Samsung presented document S6-232127.

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

**S6-232065 LS for clarification on Federation Identifier**

*Type: LS out For: Approval  
 to GSMA OPG, cc GSMA OPAG  
 Source: Samsung*

**Discussion:**

Samsung presented document S6-232065.

**Decision:** The document was **revised to S6-232146**.

**S6-232146 LS for clarification on Federation Identifier**

*Type: LS out For: Approval  
 to GSMA OPG, cc GSMA OPAG  
 Source: SA6*

(Replaces S6-232065)

**Discussion:**

Samsung presented document S6-232146.

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

**S6-232079 LS on REl-18 work on architecture for enabling Edge Applications**

*Type: LS out For: Approval  
 to SA3, SA5  
 Source: Samsung*

**Discussion:**

Samsung presented document S6-232079.

Only change is rephrasing "..SA6 is currently finalizing stage 2.." with "..SA6 has finalized stage 2.."

**Decision:** The document was **revised to S6-232197**.

**S6-232197 LS on REl-18 work on architecture for enabling Edge Applications**

*Type: LS out For: Approval  
 to SA3, SA5  
 Source: SA6*

(Replaces S6-232079)

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

**S6-232081 LS for clarification on EAS instantiation duration time**

*Type: LS out For: Approval  
 to SA5  
 Source: Huawei*

**Discussion:**

Huawei presented document S6-232081.

AT&T asked whether SA5 knows the term ECSP.

A document S6-232079 was previously assigned for another LS to SA5. These two may be merged into a single LS.

(The LS is related to S6-232164.)

**Decision:** The document was **revised to S6-232168**.

**S6-232168 LS for clarification on EAS instantiation duration time**

*Type: LS out For: Approval  
 to SA5  
 Source: Huawei*

(Replaces S6-232081)

**Discussion:**

Huawei presented document S6-232168.

**Decision:** The document was **revised to S6-232198**.

**S6-232198 LS for clarification on EAS instantiation duration time**

*Type: LS out For: Approval  
 to SA5  
 Source: SA6*

(Replaces S6-232168)

**Discussion:**

Huawei presented document S6-232198.

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

**S6-232183 Reply LS on authorization triggered by AEF**

*Type: LS out For: Approval  
 to SA3  
 Source: Huawei*

**Discussion:**

Huawei presented document S6-232183.

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

**S6-232199 Reply LS on authorization triggered by AEF**

*Type: LS out For: Approval  
 to SA3  
 Source: Huawei*

(Replaces S6-232183)

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

## 5 Items for early consideration

### 5.1 Working Agreements / Technical Votes

### 5.2 Others

### 5.3 Documents for Early Approval

## 6 Rel-16 Work Items

## 7 Rel-17 Work Items

**S6-231717 Alignment of terminologies for the ECSP management system**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0359 Cat: F (Rel-18)  
  
 Source: ETRI, Uangel*

**Decision:** The document was **revised to S6-232004**.

**S6-232004 Alignment of terminologies for the ECSP management system**

*Type: CR For: Agreement  
 23.558 v17.7.0 CR-0359 rev 1 Cat: F (Rel-17)  
  
 Source: ETRI, Uangel*

(Replaces S6-231717)

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

**S6-232015 Alignment of terminologies for the ECSP management system**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0408 Cat: A (Rel-18)  
  
 Source: ETRI, Uangel*

**Decision:** The document was **revised to S6-232162**.

**S6-232162 Alignment of terminologies for the ECSP management system**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0408 rev 1 Cat: A (Rel-18)  
  
 Source: ETRI, Uangel*

(Replaces S6-232015)

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

**S6-231766 EASID definition update**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0367 Cat: F (Rel-18)  
  
 Source: AT&T*

**Abstract:**

EASID must be unique as it is used as the input parameter called “AFId” in the Nnef\_UEId\_Get service which returns an AF-specific UE ID.

Hence, EASID’s (i.e. AFId) uniqueness needs to be guaranteed in the UDR in order for the Nnef\_UEId\_Get service to work as intended.

The presented contribution proposes updating the EASID definition in order to specify that EASID is a unique ID.

**Discussion:**

AT&T presented the document S6-231766.

**Decision:** The document was **revised to S6-232006**.

**S6-232006 EASID definition update**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0367 rev 1 Cat: A (Rel-18)  
  
 Source: AT&T*

(Replaces S6-231766)

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

**S6-232032 EASID definition update**

*Type: CR For: Agreement  
 23.558 v17.7.0 CR-0410 Cat: F (Rel-17)  
  
 Source: AT&T*

**Abstract:**

EASID definition needs to be updated in order to specify that EASID is a unique ID.

**Discussion:**

AT&T presented document S6-232032.

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

**S6-232013 EESID correction**

*Type: CR For: Agreement  
 23.558 v17.7.0 CR-0406 Cat: F (Rel-17)  
  
 Source: NTT DOCOMO*

**Discussion:**

NTT DOCOMO presented document S6-232313.

The only change is correcting the current spec version to 17.7.0

**Decision:** The document was **revised to S6-232128**.

**S6-232128 EESID correction**

*Type: CR For: Agreement  
 23.558 v17.7.0 CR-0406 rev 1 Cat: F (Rel-17)  
  
 Source: NTT DOCOMO*

(Replaces S6-232013)

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

**S6-232014 EESID correction**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0407 Cat: A (Rel-18)  
  
 Source: NTT DOCOMO*

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

## 8 Rel-18 Work-Items

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

### 8.2 MCOver5GProSe - Mission Critical Services over 5GProSe

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

**S6-231696 MC gateway UE routing capabilities**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0395 Cat: B (Rel-18)  
  
 Source: BDBOS*

**Decision:** The document was **revised to S6-231947**.

**S6-231947 MC gateway UE routing capabilities**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0395 rev 1 Cat: B (Rel-18)  
  
 Source: BDBOS*

(Replaces S6-231696)

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

**S6-231829 Correction of the GW-local and GW-core interface**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0403 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon,*

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

**S6-231830 Clarification on connection authorisation of an MC gateway client hosted by an MC gateway UE**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0404 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

**S6-231831 Update the information flows related with GWUE procedures**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0405 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

**S6-231948 Update the information flows related with GWUE procedures**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0405 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-231831)

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

### 8.4 enh4MCPTT - Enhanced Mission Critical Push-to-talk architecture phase 4

**S6-231675 Correct errors in the use of singular and plural forms in TS 23.280**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0391 Cat: D (Rel-18)  
  
 Source: China Telecommunications*

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

**S6-231676 Correct errors in the use of singular and plural forms in TS 23.280**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0372 rev 1 Cat: D (Rel-18)  
  
 Source: China Telecommunications*

(Replaces S6-231213)

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

**S6-231677 Correct errors in the use of singular and plural forms in TS 23.280**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0372 rev 2 Cat: D (Rel-18)  
  
 Source: China Telecommunications*

(Replaces S6-231213)

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

**S6-231678 Correct the errors in the use of singular and plural forms in TS 23.280**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0392 Cat: D (Rel-18)  
  
 Source: China Telecom*

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

**S6-231679 Remove the duplicate and extra words in the expression of TS 23.280.**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0393 Cat: D (Rel-18)  
  
 Source: China Telecom*

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

**S6-231686 Group de-affiliation for specific UE**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0394 Cat: B (Rel-18)  
  
 Source: BDBOS*

**Abstract:**

This CR enables an MC service user to explicitly de-affiliate on the current MC service UE only, or to de-affiliate a group on all of his MC service UEs where he is currently logged in.

**Decision:** The document was **revised to S6-231949**.

**S6-231949 Group de-affiliation for specific UE**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0394 rev 1 Cat: B (Rel-18)  
  
 Source: BDBOS*

(Replaces S6-231686)

**Decision:** The document was **revised to S6-231987**.

**S6-231987 Group de-affiliation for specific UE**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0394 rev 2 Cat: B (Rel-18)  
  
 Source: BDBOS*

(Replaces S6-231949)

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

**S6-231697 Addition of Call Release Reason code in the PES based Call Disconnect procedure**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0348 Cat: F (Rel-18)  
  
 Source: Motorola Solutions, UKHO*

**Decision:** The document was **revised to S6-231950**.

**S6-231950 Addition of Call Release Reason code in the PES based Call Disconnect procedure**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0348 rev 1 Cat: F (Rel-18)  
  
 Source: Motorola Solutions, UKHO*

(Replaces S6-231697)

**Decision:** The document was **revised to S6-231989**.

**S6-231989 Addition of Call Release Reason code in the PES based Call Disconnect procedure**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0348 rev 2 Cat: F (Rel-18)  
  
 Source: Motorola Solutions, UKHO*

(Replaces S6-231950)

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

**S6-231700 Syncing Criteria changes with 23.379**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0396 Cat: D (Rel-18)  
  
 Source: AT&T, FirstNet, Ericsson, Nokia, Nokia Shanghai Bell*

**Abstract:**

Syncing Criteria changes with 23.379

**Decision:** The document was **revised to S6-231953**.

**S6-231953 Syncing Criteria changes with 23.379**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0396 rev 1 Cat: D (Rel-18)  
  
 Source: AT&T, FirstNet, Ericsson, Nokia, Nokia Shanghai Bell*

(Replaces S6-231700)

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

**S6-231701 Reference corrections in 10.6.3.3.2**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0397 Cat: D (Rel-18)  
  
 Source: at&t*

**Abstract:**

Reference corrections in 10.6.3.3.2

**Discussion:**

The only change is correcting ‘corret’ to ‘correct’ on the cover page.

**Decision:** The document was **revised to S6-231951**.

**S6-231951 Reference corrections in 10.6.3.3.2**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0397 rev 1 Cat: D (Rel-18)  
  
 Source: at&t*

(Replaces S6-231701)

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

**S6-231710 Correct MCVideo ad hoc group call information tables**

*Type: CR For: Agreement  
 23.281 v18.3.0 CR-0179 Cat: F (Rel-18)  
  
 Source: at&t*

**Abstract:**

Correct MCVideo ad hoc group call information tables

**Decision:** The document was **revised to S6-231979**.

**S6-231979 Correct MCVideo ad hoc group call information tables**

*Type: CR For: Agreement  
 23.281 v18.3.0 CR-0179 rev 1 Cat: F (Rel-18)  
  
 Source: at&t*

(Replaces S6-231710)

**Decision:** The document was **revised to S6-231990**.

**S6-231990 Correct MCVideo ad hoc group call information tables**

*Type: CR For: Agreement  
 23.281 v18.3.0 CR-0179 rev 2 Cat: F (Rel-18)  
  
 Source: at&t*

(Replaces S6-231979)

**Discussion:**

AT&T presented document S6-231990.

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

**S6-231711 Correct MCData ID usage in some information flow tables**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0313 Cat: F (Rel-18)  
  
 Source: at&t*

**Abstract:**

Correct MCData ID usage in some information flow tables

**Decision:** The document was **revised to S6-231952**.

**S6-231952 Correct MCData ID usage in some information flow tables**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0313 rev 1 Cat: F (Rel-18)  
  
 Source: at&t*

(Replaces S6-231711)

**Decision:** The document was **revised to S6-231994**.

**S6-231994 Correct MCData ID usage in some information flow tables**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0313 rev 2 Cat: F (Rel-18)  
  
 Source: at&t*

(Replaces S6-231952)

**Discussion:**

AT&T presented the document S6-231994.

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

**S6-231712 MCData ad hoc group ID correction**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0314 Cat: F (Rel-18)  
  
 Source: at&t*

**Abstract:**

MCData ad hoc group ID correction

**Discussion:**

The only change is changing the WI code to MC\_AHGC.

**Decision:** The document was **revised to S6-231980**.

**S6-231980 MCData ad hoc group ID correction**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0314 rev 1 Cat: F (Rel-18)  
  
 Source: at&t*

(Replaces S6-231712)

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

**S6-231713 Remove unnecessary information flow tables**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0315 Cat: F (Rel-18)  
  
 Source: at&t*

**Abstract:**

Remove unnecessary information flow tables

**Decision:** The document was **revised to S6-231981**.

**S6-231981 Remove unnecessary information flow tables**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0315 rev 1 Cat: F (Rel-18)  
  
 Source: at&t*

(Replaces S6-231713)

**Decision:** The document was **revised to S6-231991**.

**S6-231991 Remove unnecessary information flow tables**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0315 rev 2 Cat: F (Rel-18)  
  
 Source: at&t*

(Replaces S6-231981)

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

**S6-231714 Correct MCPTT ID usage in some information flow tables**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0349 Cat: F (Rel-18)  
  
 Source: at&t*

**Abstract:**

Correct MCPTT ID usage in some information flow tables

**Decision:** The document was **revised to S6-231982**.

**S6-231982 Correct MCPTT ID usage in some information flow tables**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0349 rev 1 Cat: F (Rel-18)  
  
 Source: at&t*

(Replaces S6-231714)

**Decision:** The document was **revised to S6-231992**.

**S6-231992 Correct MCPTT ID usage in some information flow tables**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0349 rev 2 Cat: F (Rel-18)  
  
 Source: at&t*

(Replaces S6-231982)

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

**S6-231715 MCPTT group ID correction**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0350 Cat: F (Rel-18)  
  
 Source: at&t*

**Abstract:**

A MCPTT group ID correction

**Discussion:**

The only change is changing the WI code to MC\_AHGC

**Decision:** The document was **revised to S6-231983**.

**S6-231983 MCPTT group ID correction**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0350 rev 1 Cat: F (Rel-18)  
  
 Source: at&t*

(Replaces S6-231715)

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

**S6-231716 Remove unnecessary information flow tables**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0351 Cat: F (Rel-18)  
  
 Source: at&t*

**Abstract:**

Remove unnecessary information flow tables

**Decision:** The document was **revised to S6-231984**.

**S6-231984 Remove unnecessary information flow tables**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0351 rev 1 Cat: F (Rel-18)  
  
 Source: at&t*

(Replaces S6-231716)

**Decision:** The document was **revised to S6-231993**.

**S6-231993 Remove unnecessary information flow tables**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0351 rev 2 Cat: F (Rel-18)  
  
 Source: at&t*

(Replaces S6-231984)

**Discussion:**

AT&T presented document S6-231993.

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

**S6-231767 Example of MCData services which are not handled by SIP core**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0309 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson, Kontron Transportation France*

(Replaces S6-231347)

**Decision:** The document was **revised to S6-231937**.

**S6-231937 Example of MCData services which are not handled by SIP core**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0309 rev 2 Cat: F (Rel-18)  
  
 Source: Ericsson, Kontron Transportation France*

(Replaces S6-231767)

**Decision:** The document was **revised to S6-231985**.

**S6-231985 Example of MCData services which are not handled by SIP core**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0309 rev 3 Cat: F (Rel-18)  
  
 Source: Ericsson, Kontron Transportation France*

(Replaces S6-231937)

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

**S6-231772 User regroup MC service ID list update**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0353 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S6-231954**.

**S6-231954 User regroup MC service ID list update**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0353 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231772)

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

**S6-231785 Target KMS URI for a migrated MC service user**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0357 rev 4 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson, AT&T, Kontron Transportation France, Airbus*

(Replaces S6-231509)

**Abstract:**

The editor’s note is deleted as the current standard already supports resolving the target KMS URI when not configured in the user profile.

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

**S6-231812 Corrections to Ad hoc group emergency alert request information flow**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0400 Cat: F (Rel-18)  
  
 Source: Samsung*

**Decision:** The document was **revised to S6-231986**.

**S6-231986 Corrections to Ad hoc group emergency alert request information flow**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0400 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231812)

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

**S6-231814 Corrections to preconfigured regroup request information flow**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0401 Cat: F (Rel-18)  
  
 Source: Samsung*

**Discussion:**

The only change is to removing the IE “MC service group ID list” from Table 10.15.2.2-1.

**Decision:** The document was **revised to S6-231955**.

**S6-231955 Corrections to preconfigured regroup request information flow**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0401 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231814)

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

**S6-231815 Moving emergency alert information flow under emergency alert section**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0402 Cat: F (Rel-18)  
  
 Source: Samsung*

**Discussion:**

The only change is to changing the CR category to ‘D’.

**Decision:** The document was **revised to S6-231956**.

**S6-231956 Moving emergency alert information flow under emergency alert section**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0402 rev 1 Cat: D (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231815)

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

### 8.5 IRail - Interconnection and Migration Aspects for Railways

**S6-231773 Updating private call using FA**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0399 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S6-231957**.

**S6-231957 Updating private call using FA**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0399 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231773)

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

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

### 8.7 eSEAL2 - Enhanced Service Enabler Architecture Layer for Verticals Phase 2

**S6-231833 Discussion on introducing 5G Socket APIs at NRM**

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

**Decision:** The document was **revised to S6-231934**.

**S6-231834 NRM support socket operation**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0220 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-231549)

**Decision:** The document was **revised to S6-231946**.

**S6-231946 NRM support socket operation**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0220 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-231834)

**Decision:** The document was **revised to S6-232037**.

**S6-232037 NRM support socket operation**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0220 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-231946)

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

**S6-231837 Clarification of VAL service area ID based triggering criteria**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0221 Cat: F (Rel-18)  
  
 Source: Samsung*

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

**S6-232038 Clarification of VAL service area ID based triggering criteria**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0221 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231837)

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

**S6-231875 Service API status monitoring**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0111 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231369)

**Abstract:**

The contribution proposes adding service API status in service API publish/update and interconnection API publish request.

**Decision:** The document was **revised to S6-232039**.

**S6-232039 Service API status monitoring**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0111 rev 2 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231875)

**Decision:** The document was **revised to S6-232129**.

**S6-232129 Service API status monitoring**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0111 rev 3 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-232039)

**Discussion:**

Ericsson presented the document S6-232129.

**Decision:** The document was **revised to S6-232147**.

**S6-232147 Service API status monitoring**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0111 rev 4 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-232129)

**Discussion:**

Ericsson presented document S6-232147.

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

**S6-231906 VAL server provisioning for Key Management Server**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0160 rev 4 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231307)

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

**S6-231916 SEAL NRM determines time synchronization activation for TSC stream**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0223 Cat: B (Rel-18)  
  
 Source: Ericsson Telecomunicazioni SpA*

**Decision:** The document was **revised to S6-232040**.

**S6-232040 SEAL NRM determines time synchronization activation for TSC stream**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0223 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson Telecomunicazioni SpA*

(Replaces S6-231916)

**Discussion:**

Ericsson presented document S6-232040.

The only changes are:

- removing highlighted text and

- removing changes over changes.

**Decision:** The document was **revised to S6-232169**.

**S6-232169 SEAL NRM determines time synchronization activation for TSC stream**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0223 rev 2 Cat: B (Rel-18)  
  
 Source: Ericsson Telecomunicazioni SpA*

(Replaces S6-232040)

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

**S6-231934 Discussion on introducing 5G Socket APIs at NRM**

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

(Replaces S6-231833)

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

### 8.8 5GMARCH\_Ph2 - New WID on support of the MSGin5G Service phase 2

**S6-231670 Modification of security credentials IE**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0121 rev 1 Cat: F (Rel-18)  
  
 Source: one2many*

(Replaces S6-231173)

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

**S6-231671 Resolution of EN in 8.4.2**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0126 Cat: F (Rel-18)  
  
 Source: one2many*

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

**S6-231672 Resolution of ENs in 8.5.x**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0127 Cat: C (Rel-18)  
  
 Source: one2many*

**Decision:** The document was **revised to S6-231968**.

**S6-231968 Resolution of ENs in 8.5.x**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0127 rev 1 Cat: C (Rel-18)  
  
 Source: one2many*

(Replaces S6-231672)

**Decision:** The document was **revised to S6-231988**.

**S6-231988 Resolution of ENs in 8.5.x**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0127 rev 2 Cat: C (Rel-18)  
  
 Source: one2many*

(Replaces S6-231968)

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

**S6-231758 some correction on identities**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0128 Cat: F (Rel-18)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S6-231969**.

**S6-231969 some correction on identities**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0128 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile*

(Replaces S6-231758)

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

**S6-231759 update of 8.2.7 MSGin5G UE bulk registration based on constrained UE related architecture**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0129 Cat: F (Rel-18)  
  
 Source: China Mobile*

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

**S6-231760 update of clause 8.2.8**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0130 Cat: F (Rel-18)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S6-231970**.

**S6-231970 update of clause 8.2.8**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0130 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile*

(Replaces S6-231760)

**Decision:** The document was **revised to S6-231998**.

**S6-231998 update of clause 8.2.8**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0130 rev 2 Cat: F (Rel-18)  
  
 Source: China Mobile*

(Replaces S6-231970)

**Discussion:**

China Mobile presented document S6-231998.

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

**S6-231761 update of clause 8.2.9 and 8.2.10 for Non-MSGin5G UE bulk (de)registration**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0131 Cat: F (Rel-18)  
  
 Source: China Mobile*

**Discussion:**

The only change is removing ‘y’ from “Table 8.2.10y-1”

**Decision:** The document was **revised to S6-231971**.

**S6-231971 update of clause 8.2.9 and 8.2.10 for Non-MSGin5G UE bulk (de)registration**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0131 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile*

(Replaces S6-231761)

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

**S6-231762 update of clause 8.2.11 MSGin5G UE bulk de-registration**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0132 Cat: F (Rel-18)  
  
 Source: China Mobile*

**Discussion:**

The only change is removing ‘also’ from the first sentence under 8.2.11.

**Decision:** The document was **revised to S6-231972**.

**S6-231972 update of clause 8.2.11 MSGin5G UE bulk de-registration**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0132 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile*

(Replaces S6-231762)

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

**S6-231763 update of clause 8.11.1**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0133 Cat: F (Rel-18)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S6-231973**.

**S6-231973 update of clause 8.11.1**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0133 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile*

(Replaces S6-231763)

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

**S6-231764 update of Application Client (de-)registration using MSGin5G Client**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0134 Cat: F (Rel-18)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S6-231974**.

**S6-231974 update of Application Client (de-)registration using MSGin5G Client**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0134 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile*

(Replaces S6-231764)

**Discussion:**

Only change is correcting the TDoc number in the doc header .

**Decision:** The document was **revised to S6-232130**.

**S6-232130 update of Application Client (de-)registration using MSGin5G Client**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0134 rev 2 Cat: F (Rel-18)  
  
 Source: China Mobile*

(Replaces S6-231974)

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

**S6-231765 update of Application Client sending and receiving message using MSGin5G Client**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0135 Cat: F (Rel-18)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S6-231975**.

**S6-231975 update of Application Client sending and receiving message using MSGin5G Client**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0135 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile*

(Replaces S6-231765)

**Discussion:**

China Mobile presented document S6-231975.

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

**S6-231813 MSGin5G Message Delivery to MSGin5G UE discussion**

*Type: discussion For: Endorsement  
 23.554 v..  
 Source: AT&T*

**Abstract:**

MSGin5G Message Delivery to MSGin5G UE discussion

**Decision:** The document was **revised to S6-231976**.

**S6-231976 MSGin5G Message Delivery   
to MSGin5G UE discussion**

*Type: discussion For: Endorsement  
 23.554 v..  
 Source: AT&T*

(Replaces S6-231813)

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

**S6-231816 Clarify procedures in clause 8.3 with corrections**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0136 Cat: F (Rel-18)  
  
 Source: at&t, China Mobile*

**Abstract:**

Clarify procedures in clause 8.3 with corrections

**Decision:** The document was **revised to S6-231978**.

**S6-231978 Clarify procedures in clause 8.3 with corrections**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0136 rev 1 Cat: F (Rel-18)  
  
 Source: at&t, China Mobile*

(Replaces S6-231816)

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

**S6-231818 Clarify when the MSGin5G device triggering procedure can be used**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0137 Cat: F (Rel-18)  
  
 Source: at&t, China Mobile*

**Abstract:**

Clarify when the MSGin5G device triggering procedure can be used

**Decision:** The document was **revised to S6-231967**.

**S6-231967 Clarify when the MSGin5G device triggering procedure can be used**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0137 rev 1 Cat: F (Rel-18)  
  
 Source: at&t, China Mobile*

(Replaces S6-231818)

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

**S6-231820 New Annex for Message Delivery Flow**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0138 Cat: F (Rel-18)  
  
 Source: at&t, China Mobile*

**Abstract:**

New Annex for Message Delivery Flow

**Decision:** The document was **revised to S6-231977**.

**S6-231977 New Annex for Message Delivery Flow**

*Type: CR For: Agreement  
 23.554 v18.3.1 CR-0138 rev 1 Cat: F (Rel-18)  
  
 Source: at&t, China Mobile*

(Replaces S6-231820)

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

### 8.9 SNAAPP - Application enablement aspects for subscriber-aware northbound API access

**S6-231782 Clarification that RNAA is for both 4G and 5G**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0112 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

**Abstract:**

In some discussions, there is confusion about whether the RNAA is supported for 4G as well as 5G network. To clarify this, SA6 describes explicitly that RNAA is supported for both 4G and 5G network.

The present contribution proposes adding a NOTE and adding SCEF as an example of AEF.

**Discussion:**

NTT DOCOMO presented the document S6-231782.

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

**S6-231783 SNAAPP alignment with SA3**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0113 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

**Abstract:**

SA3 has concluded in TR 33.884 that the authorization function is part of CCF. TS 23.222 needs to be modified to align with this conclusion. In addition, some other Editor's Notes that require SA3 alignment can be resolved.

The contribution proposes:

- Modified the functional model for RNAA.

- Modified descriptions for functional entities and reference points.

- Reference to appropriate SA3 specification is added.

**Discussion:**

NTT DOCOMO presented the document S6-231783.

Ericsson suggested keeping the editor's note (clause 6.3.8).

**Decision:** The document was **revised to S6-232036**.

**S6-232036 SNAAPP alignment with SA3**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0113 rev 1 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO, AT&T*

(Replaces S6-231783)

**Discussion:**

NTT DOCOMO presented the document S6-232036.

The only change is undoing the deletion of the following editor's note in clause 6.2.3.

Editor's Note: Security aspects including specification of the authentication and authorisation procedures for UE-originated API invocation within CAPIF are FFS in SA3.

**Decision:** The document was **revised to S6-232131**.

**S6-232131 SNAAPP alignment with SA3**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0113 rev 2 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO, AT&T*

(Replaces S6-232036)

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

**S6-231784 Overview of CAPIF operations for RNAA scenarios**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0114 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

**Abstract:**

The present contribution proposes adding overview for the RNAA scenario as annex A currently only shows the overview without RNAA.

**Discussion:**

NTT DOCOMO presented the document S6-231784.

Ericsson suggested removing bullet 3.

Apple suggested expanding the current digure instead of creating a new figure.

**Decision:** The document was **revised to S6-232084**.

**S6-232084 Overview of CAPIF operations for RNAA scenarios**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0114 rev 1 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

(Replaces S6-231784)

**Discussion:**

NTT DOCOMO presented the document S6-232084.

**Decision:** The document was **revised to S6-232132**.

**S6-232132 Overview of CAPIF operations for RNAA scenarios**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0114 rev 2 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

(Replaces S6-232084)

**Discussion:**

NTT DOCOMO presented document S6-232132.

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

### 8.10 NSCALE - Network Slice Capability Exposure for Application Layer Enablement

**S6-231799 Add overview for new services**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

This contribution proposes to add overview for new services.

**Discussion:**

China Mobile presented document S6-231799.

Only change is removing chages over changes.

**Decision:** The document was **revised to S6-232092**.

**S6-232092 Add overview for new services**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-231799)

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

**S6-231800 Update the NSCE-E**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

In addition to the information collection from other NSCE servers, the Service continuity negotiation as defined in clause 9.9.2 is also supported, so the description of NSCE-E is updated.

**Discussion:**

China Mobile presented document S6-231800.

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

**S6-231801 Additional information in registration request to Solve the EN in 9.2**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

There is an EN in the 9.2 about the additional information, cause what is in the Onboarding information is not clear and needs to be specified. When the VAL server registers to the NSCE server to consume the network slice related services, In addition to the VAL server ID and VAL service ID, additional information including Network slice related identifier(s), DNN are needed.

Editor's note: What additional information is needed (e.g. the mapping of slice ids to a VAL service) in onboarding request, and if needed, whether it is specific for NSCE service or generally applicable for CAPIF are FFS.

**Discussion:**

China Mobile presented document S6-231801.

**Decision:** The document was **not pursued**.

**S6-232077 Additional information in registration request to Solve the EN in 9.2**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-231801)

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

**S6-231802 Clean up and solve the EN of 9.5**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

The present contribution proposes to resolve the follwing EN.

Editor's note: Whether more policies consisting of trigger events and actions could be supported is FFS.

In addition some typos are corrected.

**Discussion:**

China Mobile presented document S6-231802.

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

**S6-231803 Solve the EN of 9.6**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

SA5 has defined the Management service discovery service in TS 28.533 clause 4.7, and the potential solution of procedures enabling different external consumers to access NS management services has been discussed in TR 28.824.

The actual connectivity for exposure of MnS is in SA5’s scope, hence it is proposed SA6 will follow SA5’s specification.

Hence it is proposed the below ENs are changed to NOTEs.

Editor's Note: The actual connectivity in step 4 (e.g., exposure of MnS via CAPIF or EGMF) is up to SA5 and FFS.

Editor's Note: The actual connectivity in step 1 (e.g. exposure of MnS via CAPIF or EGMF) is up to SA5 and FFS.

**Discussion:**

China Mobile presented document S6-231803.

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

**S6-231804 clean up and solve the EN of 9.7**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

This contribution proposes to clean up and solve the EN in clause 9.7 Network slice related performance and analytics monitoring.

**Discussion:**

China Mobile presented document S6-231804.

**Decision:** The document was **revised to S6-232093**.

**S6-232093 clean up and solve the EN of 9.7**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-231804)

**Discussion:**

China Mobile presented document S6-232093.

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

**S6-231805 Solve the EN of 9.8**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

This contribution proposes to solve the EN in clause 9.8.

**Discussion:**

China Mobile presented document S6-231805.

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

**S6-231806 Solve the EN of 9.11**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

This contribution proposes to Solve the EN of 9.11.

**Discussion:**

China Mobile presented document S6-231806.

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

**S6-231702 Procedures and APIs for Network Slice Information delivery**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: Samsung*

**Abstract:**

This pCR proposes procedures for subscription and notification for NS information delivery.

**Discussion:**

Samsung presented document S6-231702.

**Decision:** The document was **revised to S6-232094**.

**S6-232094 Procedures and APIs for Network Slice Information delivery**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: Samsung*

(Replaces S6-231702)

**Discussion:**

Samsung presented document S6-232094.

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

**S6-231807 Add information elements for the Slice Information delivery to NSCE client**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

This contribution proposes to add information elements for the Slice Information delivery to NSCE client.

**Discussion:**

China Mobile presented document S6-231807.

**Decision:** The document was **revised to S6-232095**.

**S6-232095 Add information elements for the Slice Information delivery to NSCE client**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-231807)

**Discussion:**

China Mobile presented document S6-232095.

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

**S6-231808 update and add information elements for Network Slice Allocation**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

This contribution proposes to update and add information elements for the Network Slice Allocation.

**Discussion:**

China Mobile presented document S6-231808.

**Decision:** The document was **revised to S6-232096**.

**S6-232096 update and add information elements for Network Slice Allocation**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-231808)

**Discussion:**

China Mobile presented document S6-232096.

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

**S6-231828 pCR on resolving EN in 9.6.2**

*Type: pCR For: Approval  
 23.435 v1.2.0  
 Source: Lenovo*

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

### 8.11 EDGEAPP\_Ph2 - Application Architecture for enabling Edge Applications Phase 2

**S6-231740 ACR Parameter Information procedure clarification**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0363 Cat: D (Rel-18)  
  
 Source: InterDigital*

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

**S6-231850 Fix the in-consistency for the service continuity support**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0378 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera,*

**Decision:** The document was **revised to S6-232005**.

**S6-232005 Fix the in-consistency for the service continuity support**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0378 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera,*

(Replaces S6-231850)

**Discussion:**

Huawei presented the document S6-232005.

**Decision:** The document was **revised to S6-232184**.

**S6-232184 Fix the in-consistency for the service continuity support**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0378 rev 2 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera,*

(Replaces S6-232005)

**Discussion:**

Huawei presented the document S6-232184.

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

**S6-231778 EESID correction**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0369 Cat: F (Rel-18)  
  
 Source: NTT DOCOMO*

**Abstract:**

EES is provided by ECSP and is not necessarily in PLMN domain.

The contribution proposes replacing PLMN domain with ECSP domain.

**Discussion:**

NTT DOCOMO presented the document S6-231778.

**Decision:** The document was **not pursued**.

**S6-231894 Resolving SA3 dependent ENs**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0392 Cat: F (Rel-18)  
  
 Source: Samsung*

**Abstract:**

There are ENs in TS 23.558, which specifies that security aspects are SA3’s responsibility and SA3 needs to study such aspect.

No changes requried to solve the EN in SA6, so such ENs can be simply converted in to NOTE.

**Discussion:**

Samsung presented the document S6-231894.

**Decision:** The document was **revised to S6-232007**.

**S6-232007 Resolving SA3 dependent ENs**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0392 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231894)

**Discussion:**

Samsung presented the document S6-232007.

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

**S6-231895 Resolving EN related to possible deployment models of the ECS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0393 Cat: F (Rel-18)  
  
 Source: Samsung*

**Abstract:**

Following EN is present in clause 6.2 from Rel-17:

Editor's note: How the possible deployment models of the ECS affect the above representation is FFS.

During Rel-18, no other possible ECS deployment models are studied and so this EN can be removed without any change.

**Discussion:**

Samsung presented the document S6-231895.

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

**S6-231896 Resolving EN about updating EEC Context with EDGE-3 subscriptions**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0394 Cat: F (Rel-18)  
  
 Source: Samsung*

**Abstract:**

Clause 8.2.8 contains followng EN:

Editor's Note: It is FFS whether the EEC Context information captured in table 8.2.8-1 requires further updates and alignment to include EDGE-3 subscription information.

The EN is present since Rel-17. Further, during Rel-18, it has not been identified to update to EEC context information to include EDGE-3 subscription information. So, the EN can be removed.

**Discussion:**

Samsung presented the document S6-231896.

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

**S6-231898 Resolving EN on constrained device identification**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0396 Cat: F (Rel-18)  
  
 Source: Samsung*

**Abstract:**

Clause 8.4.2.2.2 contains following EN

Editor's Note: This functionality is to be aligned with how a “constrained device” is identified by the EES.

In Table 8.4.2.3.2-1: EEC registration request, UE Type IE is already included which is used “Indicates UE or device type (e.g. constrained device)”

UE Type IE can be used to identify constrained device. The EN can be removed by adding clarification in NOTE.

**Discussion:**

Samsung presented the document S6-231898.

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

**S6-231902 Resolving SA5 dependent EN**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0400 Cat: F (Rel-18)  
  
 Source: Samsung*

**Abstract:**

Clause 8.12.1 contains following EN:

Editor's note: The MnS APIs for EAS instantiation request/notification should be provided by the ECSP management system, which is the scope of SA5.

As the EN specifies that MnS API is within scope of SA5, no changes requried to solve the EN in SA6, so such ENs can be simply converted in to NOTE.

**Discussion:**

Samsung presented the document S6-231902.

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

**S6-232008 Resolving SA5 dependent EN**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0400 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231902)

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

**S6-231682 Modification to AC profile**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0353 Cat: C (Rel-18)  
  
 Source: China Telecom*

**Abstract:**

Proposal for adding new elements relevant to EEC information and EAS endpoint in AC profile.

**Discussion:**

China Telecom presented the document S6-231682.

**Decision:** The document was **revised to S6-232031**.

**S6-232031 Modification to AC profile**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0353 rev 1 Cat: C (Rel-18)  
  
 Source: China Telecom*

(Replaces S6-231682)

**Discussion:**

China Telecom presented the document S6-232031.

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

**S6-231703 EEC Triggering execution for Service Provisioning**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0355 Cat: B (Rel-18)  
  
 Source: Samsung*

**Abstract:**

The following EN can be resolved by including the EEC Triggering setup operation within the existing procedures.

“Editor's Note: It is FFS how to describe the EEC triggering procedure according to the decision on either having it as a separate procedure or updating the existing procedure.”

In this contribution, it is proposed to update the service provisioning procedure in order to support EEC Triggering.

**Discussion:**

Samsung presented the document S6-231703.

**Decision:** The document was **revised to S6-232009**.

**S6-232009 EEC Triggering execution for Service Provisioning**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0355 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231703)

**Discussion:**

Samsung presented the document S6-232009.

There was discussion on support of multiple EECs.

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

**S6-231706 EEC Triggering execution**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0356 Cat: B (Rel-18)  
  
 Source: Samsung*

**Abstract:**

The EEC Triggering execution procedure is missing in the TS.

Also, the following EN on how to decide port ID for triggering during the execution needs to be resolved. “Editor's Note: It is FFS whether and how the ECS and EES determine the parameters (e.g., port ID) necessary for EEC triggering service or if configuration is sufficient.” The ECS and EES can determine the port ID for EEC triggering service based on the local configuration.

The contribution proposes adding EEC Triggering execution procedure and removing EN on how to decide port ID for EEC triggering and add a NOTE on the port ID determination.

**Discussion:**

Samsung presented the document S6-231706.

**Decision:** The document was **revised to S6-232010**.

**S6-232010 EEC Triggering execution**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0356 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231706)

**Discussion:**

Samsung presented the document S6-232010.

The only changes are:

- restore the deleted editor's note,

- delete the proposed NOTE and

- remove the highlighting.

**Decision:** The document was **revised to S6-232185**.

**S6-232185 EEC Triggering execution**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0356 rev 2 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-232010)

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

**S6-231737 EEC Triggering setup for EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0362 Cat: B (Rel-18)  
  
 Source: Samsung*

**Abstract:**

The following EN can be resolved by including the EEC Triggering setup operation within the existing procedures.

“Editor's Note: It is FFS how to describe the EEC triggering procedure according to the decision on either having it as a separate procedure or updating the existing procedure.”

**Discussion:**

Samsung presented the document S6-231737.

**Decision:** The document was **revised to S6-232011**.

**S6-232011 EEC Triggering setup for EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0362 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231737)

**Discussion:**

Samsung presented the document S6-232011.

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

**S6-231674 UE Identifier API call by EEC triggering EES notify EAS of UEID directly**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0350 Cat: B (Rel-18)  
  
 Source: AT&T*

**Abstract:**

Currently, if EAS is not successful in retrieving the UEID by directly calling the UE Identifier API due to NATed UE IP address, it may signal its AC to initiate the UE Identifier API via the EEC using the UE’s CN-assigned IP address (IPv6 and/or IPv4) as opposed to the NATed UE IP address (which the EAS sees over N6). Under such circumstances, as per current specification, the response to the UE Identifier API is synchronously provided back to the EEC. However, there may be situations (e.g. the UE is not trusted) where the response to UE Identifier API by EES is preferred to be provided to the EAS directly (which is the one in need of the UEID and has involved its AC for the UEID extraction).

Hence, this CR enhances the UE Identifier API (i.e. Eees\_UEIdentifier\_Get operation) such that the response containing the UEID is sent to EAS directly by EES (as opposed to EEC which invokes the UE Identifier API).

**Discussion:**

AT&T presented the document S6-231674.

**Decision:** The document was **revised to S6-232012**.

**S6-232012 UE Identifier API call by EEC triggering EES notify EAS of UEID directly**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0350 rev 1 Cat: B (Rel-18)  
  
 Source: AT&T*

(Replaces S6-231674)

**Discussion:**

AT&T presented the document S6-232012.

**Decision:** The document was **not pursued**.

**S6-232133 UE Identifier API call by EEC triggering EES notify EAS of UEID directly**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0350 rev 2 Cat: B (Rel-18)  
  
 Source: AT&T*

**Discussion:**

Initially reserved as revision to S6-232012.

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

**S6-231851 Fix the misalignment on UE ID API request**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0379 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

There is misalignment on UE ID API procedure. In R17 the EAS use obtained UE ID only for Edge-3 interaction. However in R18 the EAS also use the UE ID for both Edge-3 and Edge-7 interaction.

The contribution proposes removing the Edge-7 aspect in UE ID API procedure.

**Discussion:**

Huawei presented document S6-231851.

**Decision:** The document was **revised to S6-232016**.

**S6-232016 Fix the misalignment on UE ID API request**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0379 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-231851)

**Discussion:**

Huawei presented document S6-232016.

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

**S6-231852 Remove the Edge-7 aspect in UE ID API procedure**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0380 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Discussion:**

Huawei presented document S6-231852.

**Decision:** The document was **not pursued**.

**S6-231926 EES specfic UE ID**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0326 rev 3 Cat: B (Rel-18)  
  
 Source: KPN*

(Replaces S6-231635)

**Abstract:**

In meeting SA6#54-e the contribution S6-23635 has been agreed which introduced an EES specific UE ID to be used by the EEC for EDGE-1 operations. This leads to a situation where the EEC now could use the EES specific UE ID to identify the UE and hence it can be seen as an alternative to GPSI. This contruibution proposes to include the EES specific UE ID as an alternative.

In clause 8.6.5.2 and clause 8.6.5.3.2 the EES specific UE ID is used as an alternative to GPSI. The changes from the pervious agreed contribution which introduces the EES specific UE ID is highlighted in Yellow.

**Discussion:**

KPN presented document S6-231926.

It was decided to prepared a separate CR instead of revising the CR available as S6-231635 (agreed during SA6#54-e).

**Decision:** The document was **not pursued**.

**S6-232017 Use of EES specfic UE ID for EDGE-1**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0409 Cat: B (Rel-18)  
  
 Source: KPN*

**Abstract:**

The CR in S6-231926 introduced the EES specific UE ID to be used as a GPSI in form of external ID. This contribution clarfies this.

**Discussion:**

KPN presented document S6-232017.

Wrong CR# on cover page.

**Decision:** The document was **revised to S6-232080**.

**S6-232080 Use of EES specfic UE ID for EDGE-1**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0409 rev 1 Cat: B (Rel-18)  
  
 Source: KPN*

(Replaces S6-232017)

**Discussion:**

KPN presented document S6-232080.

**Decision:** The document was **revised to S6-232186**.

**S6-232186 Use of EES specfic UE ID for EDGE-1**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0409 rev 2 Cat: B (Rel-18)  
  
 Source: KPN*

(Replaces S6-232080)

**Decision:** The document was **revised to S6-232190**.

**S6-232190 Use of EES specfic UE ID for EDGE-1**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0409 rev 3 Cat: B (Rel-18)  
  
 Source: KPN*

(Replaces S6-232186)

**Discussion:**

KPN presented document S6-232190.

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

**S6-231839 Discussion on AC registration's usefulness**

*Type: discussion For: Discussion  
 23.558 v..  
 Source: Qualcomm*

**Abstract:**

Discussion on AC registration's usefulness.

**Discussion:**

Qualcomm presented document S6-231839.

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

**S6-231840 Removing AC registration**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0315 rev 1 Cat: C (Rel-18)  
  
 Source: Qualcomm*

(Replaces S6-231349)

**Abstract:**

Following EN:

Editor's Note: Whether the AC registration is mandatory or optional is FFS. Based on the conclusion, the related procedures between AC and EEC may require updates.

Currently AC registration does not serve any purpose other than providing the AC profile to the EEC. However, AC profile is also included in the EAS discovery, ACR trigger and EEC services subscription requests, making AC registration redundant.

Hence the contribution proposes removal of AC registration and related text.

**Discussion:**

Qualcomm presented document S6-231840.

**Decision:** The document was **revised to S6-232082**.

**S6-232082 Removing AC registration**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0315 rev 2 Cat: C (Rel-18)  
  
 Source: Qualcomm*

(Replaces S6-231840)

**Discussion:**

Qualcomm presented document S6-232082.

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

**S6-231841 Details of EAS information**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0373 Cat: C (Rel-18)  
  
 Source: Qualcomm*

**Abstract:**

Following Editor’s Note:

Editor's Note: In the information flows the details of EAS information is FFS.

The present contribution proposes adding details of the EAS information in the information flows and deleting the EN.

**Discussion:**

Qualcomm presented document S6-231841.

**Decision:** The document was **revised to S6-232018**.

**S6-232018 Details of EAS information**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0373 rev 1 Cat: C (Rel-18)  
  
 Source: Qualcomm*

(Replaces S6-231841)

**Discussion:**

Qualcomm presented document S6-232018.

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

**S6-231842 EDGE-5 APIs**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0374 Cat: C (Rel-18)  
  
 Source: Qualcomm*

**Abstract:**

Following Editor’s Note:

Editor's Note: API details are FFS.

The present contribution proposes removing the EN and mention of APIs from clause 8.14 since EDGE-5 is an intra-UE reference point and details of the stage-3 implementation should be contemplated by stage-3 groups.

**Discussion:**

Qualcomm presented document S6-231842.

**Decision:** The document was **not pursued**.

**S6-231680 Distinguish S-EES and T-EES in configuration information**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0351 Cat: C (Rel-18)  
  
 Source: China Telecommunications*

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

**S6-231681 Distinguish S-EES and T-EES in EDN configuration information**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0352 Cat: C (Rel-18)  
  
 Source: China Telecom*

**Abstract:**

EEC can perform ACR execution via T-EES according to clause 8.8.2.6. When EEC obtains the information of EES in the EDN configuration information via service provisioning, a new element is need to distinguish whether the EES is T-EES or S-EES.

The present contribution proposes adding a new element in Table 8.3.3.3.3-2 to indicate whether the EES is T-EES or S-EES.

**Discussion:**

China Telecom presented document S6-231681.

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

**S6-231735 Provision ECAI together with PLMN ID to 5GC**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0361 Cat: B (Rel-18)  
  
 Source: vivo*

**Abstract:**

In R18, the list of PLMNs that this ECS supports are included in ECS configuration information.

However, the core network needs to identify which ECS addresses can be used to roaming UEs under a specific PLMN. When the UE is roaming in a PLMN A, 5GC needs to send the ECS address that supports this PLMN A to the roaming UE. If AF does not indicate the supported PLMN ID when providing ECS addresses to 5GC, 5GC will not be able to identify which ECS addresses are available for which supported PLMN.

The supported PLMNs are inside of the ECS configuration information, and the 5GC can’t read the information internal the ECS configuration information.

**Discussion:**

Vivo presented document S6-231735.

**Decision:** The document was **revised to S6-232019**.

**S6-232019 Provision ECAI together with PLMN ID to 5GC**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0361 rev 1 Cat: B (Rel-18)  
  
 Source: vivo*

(Replaces S6-231735)

**Discussion:**

Vivo presented document S6-232019.

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

**S6-231683 Clarification on the decision-making entity and execution entity**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0354 Cat: C (Rel-18)  
  
 Source: China Telecom*

**Abstract:**

The explanation of ACR decision-making entity and ACR execution entity is not clear. Add the clarification of ACR decision-making entity and ACR execution entity in the high level overview of service continuity.

**Discussion:**

China Telecom presented document S6-231683.

**Decision:** The document was **revised to S6-232020**.

**S6-232020 Clarification on the decision-making entity and execution entity**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0354 rev 1 Cat: F (Rel-18)  
  
 Source: China Telecom*

(Replaces S6-231683)

**Discussion:**

China Telecom presented document S6-232020.

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

**S6-231744 Corrections to ACR management event notification**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0366 Cat: F (Rel-18)  
  
 Source: InterDigital*

**Abstract:**

Some ACR management event notification information elements mentionned in the procedure are missing from ACR management event notification information flow table.

**Discussion:**

InterDigital presented document S6-231744.

**Decision:** The document was **revised to S6-232021**.

**S6-232021 Corrections to ACR management event notification**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0366 rev 1 Cat: F (Rel-18)  
  
 Source: InterDigital*

(Replaces S6-231744)

**Discussion:**

InterDigital presented document S6-232021.

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

**S6-231899 Resolving EN related to wait for current ACR to complete**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0397 Cat: F (Rel-18)  
  
 Source: Samsung*

**Abstract:**

Clause 8.6.3.2.3 contains following EN:

Editor's note: In order to start detect or decide, till how long the detection entity should wait for current ACR to complete, is FFS.

The present contribution proposes removing the EN from clause 8.6.3.2.3 and adding a NOTE to clarify that the timer can be added by stage #3.

**Discussion:**

Samsung presented document S6-231899.

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

**S6-232022 Resolving EN related to wait for current ACR to complete**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0397 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231899)

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

**S6-231900 Resolving EN related to service continuity planning indication**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0398 Cat: F (Rel-18)  
  
 Source: Samsung*

**Abstract:**

Following EN is present in clause 8.6.3.3.2:

Editor's note: Whether all ACR management events need service continuity planning indication is FFS.

ACR management event subscribe request can include different possible events (user plane path change, ACR monitoring , ACR facilitation, ACT start/stop)

As per Table, “Indication of service continuity planning” is used indicate that whether the ervice continuity planning is required i.e. whether EES shall monitor UE entering the predicted location.

Among all events, only for “ACR monitoring” event, the EES monitors the UE mobility, and so the indication is applicable only for “ACR monitoring” event.

The present contribution proposes removing the EN and adding a NOTE to clarify that the “Indication of service continuity planning” IE is only applicable for the “ACR monitoring” event.

**Discussion:**

Samsung presented document S6-231900.

**Decision:** The document was **not pursued**.

**S6-232023 Resolving EN related to service continuity planning indication**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0398 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231900)

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

**S6-231901 Resolving EN related to ACR**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0399 Cat: F (Rel-18)  
  
 Source: Samsung*

**Abstract:**

Clause 8.8.2.5 contains following EN:

Editor's note: It is FFS whether EES monitor the UE mobility based on the UE type (e.g. no mobility device).

Clause 8.8.3.8 contains following EN:

Editor's note: Potential changes to ACR scenarios is FFS.

Clause 8.8.4.4 contains following EN:

Editor's note: Additional ACR parameters, if required, are FFS.

The ENs can be removed without any change.

**Discussion:**

Samsung presented document S6-231901.

The only changes are removing proposed changes to clause 8.9.2.3.

**Decision:** The document was **revised to S6-232024**.

**S6-232024 Resolving EN related to ACR**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0399 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231901)

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

**S6-231742 DNS resolution of CAS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0364 Cat: C (Rel-18)  
  
 Source: InterDigital*

**Abstract:**

Some cloud migration scenarios require DNS resolution of the CAS by the EES or the EEC; however, the EES or EEC do not know the CAS FQDN.

The CAS FQDN is known by the AC and/or EAS.

This CR proposes to provide the CAS FQDN to the EES or EEC using the EAS profile or AC profile respectively.

**Discussion:**

InterDigital presented document S6-231742.

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

**S6-232025 DNS resolution of CAS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0364 rev 1 Cat: C (Rel-18)  
  
 Source: InterDigital*

(Replaces S6-231742)

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

**S6-231743 Support for ACR between EAS and CAS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0365 Cat: C (Rel-18)  
  
 Source: InterDigital*

**Abstract:**

Cloud migration is not possible in the following cases:

1- Rel-17 AC/EEC/EES/EAS do not support cloud migration;

2- Rel-18 AC/EEC/EES/EAS may not support cloud migration (not mandatory);

3- For certain EAS deployments, cloud support may not be provided.

Cloud migration support is not indicated in the “service continuity support” of the AC/EEC/EES/EAS.

The present contribution proposes adding a:

- capability in “service continuity support” IE for the AC/EEC/EES/EAS.

- clarification on the flow of ACR scenario execution to CAS.

**Discussion:**

InterDigital presented document S6-231743.

Ericsson suggested changing the CR cat to "B".

**Decision:** The document was **revised to S6-232026**.

**S6-232026 Support for ACR between EAS and CAS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0365 rev 1 Cat: B (Rel-18)  
  
 Source: InterDigital*

(Replaces S6-231743)

**Discussion:**

InterDigital presented document S6-232026.

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

**S6-231873 Selected EES declaration**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0389 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

In service continuity between edge and cloud w/o CES, the CAS is not aware of the serving EES selected in edge, therefore, the CAS is unable to utilize the needed EEL service, for instance:

- subscribe to receive ACT status notifications in S-EES executed ACR scenario for EELManagedACR

- trigger CAS decided ACR.

The present contribution proposes enabling the CAS to know the selected EES in EDN.

**Discussion:**

Ericsson presented document S6-231873.

**Decision:** The document was **revised to S6-232027**.

**S6-232027 Selected EES declaration**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0389 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231873)

**Discussion:**

Ericsson presented document S6-232027.

The only changes are:

- in the first pre-condition replacing "The seving EES.." with "The serving EES.." and

- in the 2nd pre-condition replacing "..8.8.2A or The CAS.." with "..8.8.2A or the CAS..".

**Decision:** The document was **revised to S6-232187**.

**S6-232187 Selected EES declaration**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0389 rev 2 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-232027)

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

**S6-231876 More procedures with CES**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0328 rev 3 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231631)

**Abstract:**

In case CES is deployed, it can be used to support service exposure to CAS and facilitate EEC context relocation.

The CAS discovery can use traditional DNS in case of no ENS.

The present contribution proposes updating:

- the architecture figure with reference point change.

- the reference point explanation.

**Discussion:**

Ericsson presented document S6-231876.

**Decision:** The document was **revised to S6-232028**.

**S6-232028 More procedures with CES**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0328 rev 4 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231876)

**Discussion:**

Ericsson presented document S6-232028.

The only chang is adding the following note:

NOTE: Detection by other entities is not specified in this release.

**Decision:** The document was **revised to S6-232134**.

**S6-232134 More procedures with CES**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0328 rev 5 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-232028)

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

**S6-231930 Options for CAS to EAS ACR for CESless Architecture**

*Type: discussion For: Information  
 23.558 v..  
 Source: KPN N.V.*

**Abstract:**

The present contribution discusses different options for CAS to EAS ACR for CESless Architecture.

**Discussion:**

KPN presented document S6-231930.

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

**S6-231918 CAS decided ACR scenario via service provisioning triggering for CESless architecture**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0344 rev 2 Cat: B (Rel-18)  
  
 Source: KPN N.V.*

(Replaces S6-231468)

**Abstract:**

Adding a procedure for CESless architecture for the CAS to be able to perform ACR to T-EAS combining existing procedures – clause 8.3.3 (service provisioning procedure) and clause 8.8.2.4 (S-EAS decided ACR scenario) where the CAS acts as an S-EAS – along with signaling between the CAS and the EEC via the AC.

**Discussion:**

KPN presented document S6-231918.

Ericsson noted an objection to the proposal presented in S6-231918 (i.e. option 1 S6-231930).

**Decision:** The document was **not pursued**.

**S6-231917 CAS decided ACR scenario via old S-EES for CESless architecture**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0401 Cat: B (Rel-18)  
  
 Source: KPN N.V.*

**Abstract:**

Adding a procedure for CESless architecture for the CAS to be able to perform ACR to T-EAS re-using an existing procedure – clause 8.8.2.4 (S-EAS decided ACR scenario) where the CAS acts as an S-EAS, and the T-EAS discovery is sent to the S-EES which holds the EEC context.

**Discussion:**

KPN presented document S6-231917.

Ericsson noted also concern to the proposal presented in S6-231917 but was prepared to work offline with KPN to progress on the proposal.

**Decision:** The document was **revised to S6-232029**.

**S6-232029 CAS decided ACR scenario via old S-EES for CESless architecture**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0401 rev 1 Cat: B (Rel-18)  
  
 Source: KPN N.V.*

(Replaces S6-231917)

**Discussion:**

KPN presented document S6-232029.

The only change is in the 3rd pre-condition bullet replacing "..or The CAS .." with "..or the CAS..".

**Decision:** The document was **revised to S6-232188**.

**S6-232188 CAS decided ACR scenario via old S-EES for CESless architecture**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0401 rev 2 Cat: B (Rel-18)  
  
 Source: KPN N.V.*

(Replaces S6-232029)

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

**S6-231919 EEC subscribing to SEAL notification service and requesting UE ID in ACR to CAS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0402 Cat: C (Rel-18)  
  
 Source: KPN N.V.*

**Discussion:**

KPN presented document S6-231919.

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

**S6-231924 Resolving EN in ACR to Cloud**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0405 Cat: C (Rel-18)  
  
 Source: Samsung*

**Abstract:**

The contribution proposes resolution of the EN introduced by S6-231632:

Editor’s note: Details of the EDGE-5 interactions due to AC performing DNS resolution are FFS.

**Discussion:**

Samsung presented the document S6-231924.

This CR is dependant on SA6#54-e agreed CR in S6-231632, which should be implemented before the present CR.

It was remarked that the clauses affected were missing.

**Decision:** The document was **revised to S6-232030**.

**S6-232030 Resolving EN in ACR to Cloud**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0405 rev 1 Cat: C (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231924)

**Discussion:**

Samsung presented the document S6-232030.

Ericsson suggested in step 3 (clause 8.8.2A.3) replacing "AC triggers" with AC may trigger.

**Decision:** The document was **revised to S6-232170**.

**S6-232170 Resolving EN in ACR to Cloud**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0405 rev 2 Cat: C (Rel-18)  
  
 Source: Samsung, InterDigital*

(Replaces S6-232030)

**Discussion:**

Samsung presented the document S6-232170.

The only change is replacing in step 3 clause 8.8.2A.3 "..the AC triggers.." with "..the AC or EEC triggers.."

**Decision:** The document was **revised to S6-232200**.

**S6-232200 Resolving EN in ACR to Cloud**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0405 rev 3 Cat: C (Rel-18)  
  
 Source: Samsung, InterDigital*

(Replaces S6-232170)

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

**S6-231843 Discussion on EAS bundles**

*Type: discussion For: Discussion  
 23.558 v..  
 Source: Qualcomm*

**Abstract:**

The contribution discusses EAS bundles including:

- requirements from SA4,

- co-deploy and Co-migrate

- proposals

**Discussion:**

Qualcomm presented the document S6-231843.

A dedicated drafting session was held on Wed morning to discuss the EAS bundle matter. The discussions resulted in a principal agreemetn on a way fwau forward that would appear in a revision of S6-231844, potentially being co-signed by various interested parties.

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

**S6-231855 Discussion on bundle EAS and composite EAS**

*Type: discussion For: Discussion  
 23.558 v..  
 Source: Huawei, Hisilicon*

**Abstract:**

The contribution discusses bundle EAS and composite EAS.

**Discussion:**

Huawei presented the document S6-231855.

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

**S6-231844 EAS bundle types and bundle requirements**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0321 rev 2 Cat: C (Rel-18)  
  
 Source: Qualcomm*

(Replaces S6-231480)

**Abstract:**

EAS bundle requirements are needed in the EAS profile and EES profile for indicating coordinated T-EAS discovery and coordinated ACR requirements during S-EAS and S-EES initiated ACR scenarios.

EAS bundle type is required to distinguish between different types of EAS bundles.

See detailed discussion in S6-231843.

**Discussion:**

Qualcomm presented document S6-231844.

**Decision:** The document was **revised to S6-232118**.

**S6-232118 EAS bundle types and bundle requirements**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0321 rev 3 Cat: C (Rel-18)  
  
 Source: Qualcomm*

(Replaces S6-231844)

**Discussion:**

Qualcomm presented document S6-232118.

**Decision:** The document was **revised to S6-232119**.

**S6-232119 EAS bundle types and bundle requirements**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0321 rev 4 Cat: C (Rel-18)  
  
 Source: Qualcomm*

(Replaces S6-232118)

**Discussion:**

Qualcomm presented document S6-232119.

Huawei sueggested clarifications to the EES profile and filter changes.

**Decision:** The document was **revised to S6-232150**.

**S6-232150 EAS bundle types and bundle requirements**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0321 rev 5 Cat: C (Rel-18)  
  
 Source: Qualcomm*

(Replaces S6-232119)

**Discussion:**

Qualcomm presented the document S6-232150.

The only change is adding Huawei as co-source.

**Decision:** The document was **revised to S6-232171**.

**S6-232171 EAS bundle types and bundle requirements**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0321 rev 6 Cat: C (Rel-18)  
  
 Source: Qualcomm, Huawei*

(Replaces S6-232150)

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

**S6-231853 Resolve EN in bundle EAS information**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0381 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera*

**Abstract:**

This contribution is provided to resolve the EN in the bundle EAS. The bundle EAS requirement is from AC side, thus the bundle EAS requirement should not be in EAS profile and EES profile

Editor's Note: Whether EAS bundle requirement is needed in EES profile is FFS.

Editor's Note: Whether EAS bundle requirement is needed in EAS profile or EAS discovery filters is FFS.

**Discussion:**

Huawei presented document S6-231853.

**Decision:** The document was **revised to S6-232120**.

**S6-232120 Resolve EN in bundle EAS information**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0381 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera*

(Replaces S6-231853)

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

**S6-231707 ACR for Bundle and Composite EAS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0348 rev 2 Cat: C (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231498)

**Abstract:**

This CR adds the description of 7.2.10 to resolve the EN for Bundle requirements and to clarify the operation of the EEL. Edit Correction in Related Procedures. It also uses existing bundle mechanisms to define associated EAS and clarify ACR procedures for Composite EAS and Bundle EAS.

**Discussion:**

Samsung presented document S6-231707.

**Decision:** The document was **revised to S6-232175**.

**S6-232175 ACR for Bundle and Composite EAS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0348 rev 3 Cat: C (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231707)

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

**S6-231845 ACR for EAS bundles**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0375 Cat: C (Rel-18)  
  
 Source: Qualcomm*

**Abstract:**

The contribution proposes describing that the AC or the bundled EASs can coordinate to initiate ACR detection for all the bundled EASs.

**Discussion:**

Qualcomm presented document S6-231845.

**Decision:** The document was **not pursued**.

**S6-231867 ACR for EAS bundle**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0383 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The contribution proposes adding ACR scenarios for the EAS bundle.

**Discussion:**

Ericsson presented document S6-231867.

**Decision:** The document was **revised to S6-232121**.

**S6-232121 ACR for EAS bundle**

*Type: CR For: Approval  
 23.558 v18.2.0 CR-0383 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231867)

**Discussion:**

Ericsson presented document S6-232121.

Samsung suggested rephrasing step 5 in clause 8.8.2.x2.

Huawei proposed to provide some further comments offline.

Convida suggested the "main EES" being clarified.

**Decision:** The document was **revised to S6-232135**.

**S6-232135 ACR for EAS bundle**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0383 rev 2 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-232121)

**Discussion:**

Ericsson presented document S6-232135.

Samsung provided a number of comments.

Convida raised concern about the extent of the changes in such a short time.

**Decision:** The document was **revised to S6-232151**.

**S6-232151 ACR for EAS bundle**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0383 rev 3 Cat: B (Rel-18)  
  
 Source: Ericsson, Huawei, Samsung*

(Replaces S6-232135)

**Discussion:**

Ericsson presented document S6-232151.

**Decision:** The document was **revised to S6-232201**.

**S6-232201 ACR for EAS bundle**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0383 rev 4 Cat: B (Rel-18)  
  
 Source: Ericsson, Huawei, Samsung*

(Replaces S6-232151)

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

**S6-231891 Ability details of handling bundled EAS ACR**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0391 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Ability details of handling bundled EAS ACR

**Discussion:**

Huawei presented document S6-231891.

**Decision:** The document was **revised to S6-232122**.

**S6-232122 Ability details of handling bundled EAS ACR**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0391 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-231891)

**Discussion:**

Huawei presented document S6-232122.

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

**S6-231780 Service continuity for EAS composition**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0371 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

**Abstract:**

Service continuity for EAS composition has been studied but not yet specified in normative phase. When discovering T-EAS for EAS composition, the T-EES needs to know whether the service provided by composite EASs are available with the target EAS candidate.

The present contribution proposes adding "Composite EAS Status" as a new information element of EAS profile. ACT between component EASs is mentioned in ACR scenarios.

**Discussion:**

NTT DOCOMO presented document S6-231780.

Proposal to modify NOTE 9.

**Decision:** The document was **revised to S6-232123**.

**S6-232123 Service continuity for EAS composition**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0371 rev 1 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

(Replaces S6-231780)

**Discussion:**

NTT DOCOMO presented document S6-232123.

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

**S6-231848 Bundle EAS ACR within the same DNAI for S-EES executed ACR**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0376 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera, CMCC*

**Abstract:**

The contribution proposes:

- enhancing the S-EES executed ACR for the bundle EAS located on multiple EES within the same DNAI

- fixing some editorial issu

**Discussion:**

Huawei presented document S6-231848.

**Decision:** The document was **revised to S6-232124**.

**S6-232124 Bundle EAS ACR within the same DNAI for S-EES executed ACR**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0376 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera, CMCC*

(Replaces S6-231848)

**Discussion:**

Huawei presented document S6-232124.

Samsung suggested making the "Associated EES(s) endpoint" IE optional and suing the term bundle instead of direct bundle.

**Decision:** The document was **revised to S6-232152**.

**S6-232152 Bundle EAS ACR within the same DNAI for S-EES executed ACR**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0376 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera, CMCC*

(Replaces S6-232124)

**Discussion:**

Huawei presented document S6-232152.

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

**S6-231854 T-EES discovery enhancement for composite EAS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0382 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera,*

**Abstract:**

For the composite EAS case, the main EAS may belongs to different composite EAS, accordingly different combination of the composite EAS may provide different service to different AC.

Thus the Retrieve T-EES should be based on the AC information.

The present contribution proposes enhancing the EES profile with the AC information corresponding to the EASID

The T-EES determination should be based on the AC information.

**Discussion:**

Huawei presented document S6-231854.

**Decision:** The document was **revised to S6-232125**.

**S6-232125 T-EES discovery enhancement for composite EAS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0382 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera,*

(Replaces S6-231854)

**Discussion:**

Huawei presented document S6-232125.

Qualcomm suggested rewording of the description of the IE "list of EAS ID (NOTE 2)".

**Decision:** The document was **revised to S6-232153**.

**S6-232153 T-EES discovery enhancement for composite EAS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0382 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera, Samsung*

(Replaces S6-232125)

**Discussion:**

Huawei presented document S6-232153.

Only change is correcting the CR Rev#.

**Decision:** The document was **revised to S6-232208**.

**S6-232208 T-EES discovery enhancement for composite EAS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0382 rev 3 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera, Samsung*

(Replaces S6-232153)

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

**S6-231920 AC information exposure update and correction**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0403 Cat: F (Rel-18)  
  
 Source: Convida Wireless LLC*

**Abstract:**

The description of the “Event conditions” IE is updated to provide conditions for triggering the notification

A new IE “Notification parameters” has been added

The filters are updated with EAS bundle information.

**Discussion:**

Convida Wireless presented document S6-231920.

**Decision:** The document was **revised to S6-232126**.

**S6-232126 AC information exposure update and correction**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0403 rev 1 Cat: F (Rel-18)  
  
 Source: Convida Wireless LLC*

(Replaces S6-231920)

**Discussion:**

Convida Wireless presented document S6-232126.

Huawei suggested removing the proposed i.e. "Trigger parameters".

**Decision:** The document was **revised to S6-232172**.

**S6-232172 AC information exposure update and correction**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0403 rev 2 Cat: F (Rel-18)  
  
 Source: Convida Wireless LLC*

(Replaces S6-232126)

**Discussion:**

Convida Wireless presented document S6-232172.

Wrong CR Rev#.

The only change is Tdoc number in header.

**Decision:** The document was **revised to S6-232202**.

**S6-232202 AC information exposure update and correction**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0403 rev 3 Cat: F (Rel-18)  
  
 Source: Convida Wireless LLC*

(Replaces S6-232172)

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

**S6-231691 Application groups entity relationships**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0349 rev 2 Cat: B (Rel-18)  
  
 Source: Vodafone, Apple*

(Replaces S6-231582)

**Abstract:**

The contribution proposes adding an informative sub-annex of annex B "Involved entities and relationships".

**Discussion:**

Vodafone presented document S6-231691.

**Decision:** The document was **revised to S6-232097**.

**S6-232097 Application groups entity relationships**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0349 rev 3 Cat: B (Rel-18)  
  
 Source: Vodafone, Apple*

(Replaces S6-231691)

**Discussion:**

Vodafone presented document S6-232097.

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

**S6-231708 Application Group Profile EN resolution proposal**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0357 Cat: C (Rel-18)  
  
 Source: Apple Portugal*

**Abstract:**

This contribution proposes to address one of the outstanding ENs in agreed CR 0308 rev2 (S6-231648). Specifically the EN stating “It is FFS whether the Application Group profile should be in AC profile or not”.

**Discussion:**

Apple presented document S6-231708.

(please see also S6-231847)

**Decision:** The document was **revised to S6-232099**.

**S6-232099 Application Group Profile EN resolution proposal**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0357 rev 1 Cat: C (Rel-18)  
  
 Source: Apple Portugal*

(Replaces S6-231708)

**Discussion:**

Apple presented document S6-232099.

Ericsson suggested changes to AC profile IE changes.

**Decision:** The document was **revised to S6-232136**.

**S6-232136 Application Group Profile EN resolution proposal**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0357 rev 2 Cat: C (Rel-18)  
  
 Source: Apple Portugal*

(Replaces S6-232099)

**Discussion:**

Apple presented document S6-232136.

**Decision:** The document was **revised to S6-232154**.

**S6-232154 Application Group Profile EN resolution proposal**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0357 rev 3 Cat: C (Rel-18)  
  
 Source: Apple Portugal*

(Replaces S6-232136)

**Discussion:**

Apple presented document S6-232154.

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

**S6-231709 Clarification Application Group ID definition**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0358 Cat: D (Rel-18)  
  
 Source: Apple Portugal*

**Abstract:**

It is proposed to explicitly highlight that the ACID of ACs served by a Common EAS will differ in the case of ACs instantiated on UEs running different OSs, noting that it’s stated in clause 7.2.5 that “In case that the UE is running mobile OS, the ACID is a pair of OSId and OSAppId.” Where both OSId and OSAppId are OS specific.

**Discussion:**

Apple presented S6-231709.

**Decision:** The document was **revised to S6-232101**.

**S6-232101 Clarification Application Group ID definition**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0358 rev 1 Cat: D (Rel-18)  
  
 Source: Apple Portugal*

(Replaces S6-231709)

**Discussion:**

Apple presented document S6-232101.

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

**S6-231741 Common EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0308 rev 3 Cat: B (Rel-18)  
  
 Source: InterDigital [Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone]*

(Replaces S6-231648)

**Abstract:**

The service provisioning procedure and EAS discovery procedure is enhanced for the common EAS discovery without Central Repository.

**Discussion:**

InterDigital presented document S6-231741.

**Decision:** The document was **revised to S6-232102**.

**S6-232102 Common EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0308 rev 6 Cat: B (Rel-18)  
  
 Source: InterDigital*

(Replaces S6-231741)

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

**S6-231847 Common EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0308 rev 4 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone*

(Replaces S6-231648)

**Decision:** The document was **revised to S6-232098**.

**S6-232098 Common EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0308 rev 5 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone*

(Replaces S6-231847)

**Discussion:**

Huawei presented document S6-232098.

**Decision:** The document was **revised to S6-232155**.

**S6-232155 Common EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0308 rev 7 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, ZTE, Vodafone, InterDigital*

(Replaces S6-232098)

**Discussion:**

Huawei presented document S6-232155.

Convida provided additional comments offline.

(CR rev corrected post meeting 6->7)

**Decision:** The document was **revised to S6-232173**.

**S6-232173 Common EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0308 rev 8 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone, InterDigital*

(Replaces S6-232155)

**Discussion:**

Huawei presented document S6-232173.

IE Application Group ID (NOTE4)

(CR rev corrected post meeting 7->8)

**Decision:** The document was **revised to S6-232207**.

**S6-232207 Common EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0308 rev 9 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone, InterDigital*

(Replaces S6-232173)

**Discussion:**

Huawei presented document S6-232207.

(CR rev corrected post meeting 8->9)

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

**S6-231872 Interaction with CR in common EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0388 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

Proposal adding CR interaction between the EES and CR, based on sol#30 in TR.

**Discussion:**

Ericsson presented document S6-231872.

**Decision:** The document was **revised to S6-232103**.

**S6-232103 Interaction with CR in common EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0388 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231872)

**Discussion:**

Ericsson presented document S6-232103.

**Decision:** The document was **revised to S6-232137**.

**S6-232137 Interaction with CR in common EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0388 rev 2 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-232103)

**Discussion:**

Ericsson presented document S6-232137.

It was suggested to remove the EDN ID.

The only change is removing all references and instances of EDN ID.

**Decision:** The document was **revised to S6-232156**.

**S6-232156 Interaction with CR in common EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0388 rev 3 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-232137)

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

**S6-231922 Resolving the ENs related to retrieve EES procedure**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0404 Cat: C (Rel-18)  
  
 Source: Samsung*

**Abstract:**

Removing the EN introduced by S6-231648 as it is already resolved by S6-231649:

Editor’s Note: It is FFS whether clause 8.8.3.3 of TS 23.558 can be used to determine target EESs for Common EAS announcement if the message does not include a list of EESs for a group.

Resolving the EN introduced by S6-231649:

Editor's Note: The wording "with same service" is to be clarified.

**Discussion:**

Samsung presented document S6-231922.

**Decision:** The document was **revised to S6-232100**.

**S6-232100 Resolving the ENs related to retrieve EES procedure**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0404 rev 1 Cat: C (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231922)

**Discussion:**

Samsung presented document S6-232100.

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

**S6-231718 Handling instantiation-in-progress status at the EAS discovery subscription procedure**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0360 Cat: B (Rel-18)  
  
 Source: ETRI, Uangel*

**Abstract:**

It is proposed to modify the following text of the clause 8.5.2.3.2:

- “pre-configured” is removed from “the pre-configured information about instantiable EASs”

- “instantiation not in progress” is added to the conditions for EAS instantiation triggering at processing the EAS discovery subscription request

**Discussion:**

ETRI presented document S6-231718

The only change is replacing "..and the EAS instantiation is not in progress" with "..and the EAS instantiation is not in progress for the requested EASID" in the last change.

**Decision:** The document was **revised to S6-232104**.

**S6-232104 Handling instantiation-in-progress status at the EAS discovery subscription procedure**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0360 rev 1 Cat: B (Rel-18)  
  
 Source: ETRI, Uangel*

(Replaces S6-231718)

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

**S6-231849 EAS instantiation considering different ACR type**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0377 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon,*

**Abstract:**

For the service continuity planning ACR, the instantiable but not instantiated EAS can be selected. However for the normal ACR, selecting instantiable but not instantiated EAS should not be selected since it will increase the duration of the ACR.

Thus the service continuity planning information should be considered in service provisioning and EAS discovery procedure.

The present contribution proposes enhancing the service provisioning and EAS discovery procedure.

**Discussion:**

Huawei presented document S6-231849.

**Decision:** The document was **revised to S6-232105**.

**S6-232105 EAS instantiation considering different ACR type**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0377 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon,*

(Replaces S6-231849)

**Discussion:**

Huawei presented document S6-232105.

**Decision:** The document was **revised to S6-232164**.

**S6-232164 EAS instantiation considering different ACR type**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0377 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon,*

(Replaces S6-232105)

**Decision:** The document was **revised to S6-232189**.

**S6-232189 EAS instantiation considering different ACR type**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0377 rev 3 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon,*

(Replaces S6-232164)

**Discussion:**

Huawei presented document S6-232189.

**Decision:** The document was **revised to S6-232203**.

**S6-232203 EAS instantiation considering different ACR type**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0377 rev 4 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon,*

(Replaces S6-232189)

**Decision:** The document was **not pursued**.

**S6-231890 Correction and alignment for EAS instantiation status**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0390 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction and alignment for EAS instantiation status.

**Discussion:**

Huawei presented document S6-231890.

**Decision:** The document was **revised to S6-232106**.

**S6-232106 Correction and alignment for EAS instantiation status**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0390 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-231890)

**Discussion:**

Huawei presented document S6-232106.

The only changes are correcting on the cover page:

- CR rev#

- clauses affected

**Decision:** The document was **revised to S6-232138**.

**S6-232138 Correction and alignment for EAS instantiation status**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0390 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-232106)

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

**S6-231870 Edge performance prediction**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0386 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

This CR complements CR 0286 to allow consumer (e.g. EEC, EAS, or EES) to supply prediction expiration time in the T-EAS discovery request in service continuity procedure so that producer EES can offer more appropriate candidate EAS(s) to the consumer considering the prediction expiration time.

**Discussion:**

Ericsson presented document S6-231870.

**Decision:** The document was **revised to S6-232107**.

**S6-232107 Edge performance prediction**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0386 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231870)

**Discussion:**

Ericsson presented document S6-232107.

Samsung suggested removing "out of service" as it was not defined.

**Decision:** The document was **revised to S6-232139**.

**S6-232139 Edge performance prediction**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0386 rev 2 Cat: B (Rel-18)  
  
 Source: Ericsson, Samsung*

(Replaces S6-232107)

**Discussion:**

Ericsson presented document S6-232139.

Huawei was of the view it was not clear how the "Prediction expiration time" IE was going to be used.

**Decision:** The document was **revised to S6-232165**.

**S6-232165 Edge performance prediction**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0386 rev 3 Cat: B (Rel-18)  
  
 Source: Ericsson, Samsung*

(Replaces S6-232139)

**Discussion:**

Ericsson presented document S6-232165.

Non changed text to be removed.

**Decision:** The document was **revised to S6-232204**.

**S6-232204 Edge performance prediction**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0386 rev 4 Cat: B (Rel-18)  
  
 Source: Ericsson, Samsung*

(Replaces S6-232165)

**Discussion:**

Ericsson presented document S6-232204.

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

**S6-231719 Moving alignment Annex from TS to external TR**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0271 rev 2 Cat: B (Rel-18)  
  
 Source: Intel Technology India Pvt Ltd., Nokia*

(Replaces S6-231507)

**Abstract:**

Proposal moving Annex C and Annex D from TS to external TR 23.958.

**Discussion:**

Intel presented document S6-231790.

**Decision:** The document was **revised to S6-232157**.

**S6-232157 Moving alignment Annex from TS to external TR**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0271 rev 3 Cat: B (Rel-18)  
  
 Source: Intel Technology India Pvt Ltd., Nokia*

(Replaces S6-231719)

**Discussion:**

Intel presented document S6-232157.

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

**S6-231781 Enhancements for EAS synchronization**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0372 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

**Abstract:**

EAS synchronization has been studied in TR 23.700-98 but not yet specified in the normative phase.

The present contribution proposes adding a new clause for EAS synchronization; add some new elements to EAS profile and EAS discovery filter.

**Discussion:**

NTT DOCOMO presented document S6-231781.

**Decision:** The document was **revised to S6-232108**.

**S6-232108 Enhancements for EAS synchronization**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0372 rev 1 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

(Replaces S6-231781)

**Discussion:**

NTT DOCOMO presented document S6-232108.

Huwaei was not supportive of creating the new IE "EAS synchronization ID". They also suggested to reuse the existing "Discovery procedure".

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

**S6-232174 Enhancements for EAS synchronization**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0372 rev 2 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

(Replaces S6-232108)

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

**S6-231869 EAS synchronization**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0385 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

To solve the KI about EAS-EAS synchronization across EDNs for application group, two options are offered:

- Using common EAS announcement

- Using repository

The present contribution proposes adding procedure supporting EAS to find other EASs providing same service to the same application group.

**Discussion:**

Ericsson presented document S6-231869.

**Decision:** The document was **revised to S6-232109**.

**S6-232109 EAS synchronization**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0385 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231869)

**Discussion:**

Ericsson presented document S6-232109.

Huawei made a remark about the "first EAS".

**Decision:** The document was **revised to S6-232140**.

**S6-232140 EAS synchronization**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0385 rev 2 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-232109)

**Discussion:**

Ericsson presented document S6-232140.

**Decision:** The document was **revised to S6-232166**.

**S6-232166 EAS synchronization**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0385 rev 3 Cat: B (Rel-18)  
  
 Source: Ericsson, NTT DOCOMO, Samsung*

(Replaces S6-232140)

**Discussion:**

Ericsson presented document S6-232166.

The only change is deleting all changes the paragraph 8.5.2.2, 8.5.1 and updated clauses affected.

**Decision:** The document was **revised to S6-232205**.

**S6-232205 EAS synchronization**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0385 rev 4 Cat: B (Rel-18)  
  
 Source: Ericsson, NTT DOCOMO, Samsung*

(Replaces S6-232166)

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

**S6-231775 Information element alignment for ECS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0368 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

**Abstract:**

"Service Provisioning filters" are used in several procedures, but this information element is unclear and not consistent with the information flows which SA6 has approved in S6-231625.

The present contribution proposes replacing "Service Provisioning filters" with "AC profile(s)," based on the information flows in S6-231625.

**Discussion:**

NTT DOCOMO presented document S6-231775.

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

**S6-232110 Information element alignment for ECS discovery**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0368 rev 1 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

**Discussion:**

Initially reserved as a revision to S6-231775.

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

**S6-231776 Revision of agreed EDGEAPP\_Ph2 CR S6-231625**

*Type: discussion For: Discussion  
 23.558 v..  
 Source: NTT DOCOMO*

**Abstract:**

This DP clarifies the revision suggestions on the CR S6-231625 agreed in SA6#54-e.

**Discussion:**

NTT DOCOMO presented document S6-231776.

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

**S6-231777 Information flows - Federation and roaming**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0317 rev 3 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

(Replaces S6-231625)

**Abstract:**

The present contribution proposes information flows for support of federation and roaming are specified.

**Discussion:**

NTT DOCOMO presented document S6-231777.

**Decision:** The document was **revised to S6-232111**.

**S6-232111 Information flows - Federation and roaming**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0317 rev 4 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

(Replaces S6-231777)

**Discussion:**

NTT DOCOMO presented document S6-232111.

Only change is adding Qualcomm and Samsung as co-signers.

**Decision:** The document was **revised to S6-232141**.

**S6-232141 Information flows - Federation and roaming**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0317 rev 5 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO, Qualcomm, Samsung*

(Replaces S6-232111)

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

**S6-231779 Use of ECS profile instead of ECS configuration information**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0370 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO*

**Abstract:**

The present contribution proposes replacing ECS configuration information with ECS profile if the information is used for roaming and federation.

**Discussion:**

NTT DOCOMO presented document S6-231777.

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

**S6-231897 Resolving EN related to redirection**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0395 Cat: F (Rel-18)  
  
 Source: Samsung*

**Abstract:**

The present contribution proposes deleting the EN in clause 8.3.3.3.6

**Discussion:**

Samsung presented document S6-231897.

The only change is showing the deletion of the EN.

**Decision:** The document was **revised to S6-232112**.

**S6-232112 Resolving EN related to redirection**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0395 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231897)

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

**S6-231868 Service continuity in ENS via leading ECSP**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0384 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The present contribution proposes adding service continuity scenarios via leading ECSP in ENS. In these scenarios, the EEC is not aware of ECSP partners so that the leading ECSP is used to relay service continuity information between the EEC and EAS hosted by partner ECSP.

**Discussion:**

Ericsson presented document S6-231868.

**Decision:** The document was **revised to S6-232113**.

**S6-232113 Service continuity in ENS via leading ECSP**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0384 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231868)

**Discussion:**

Ericsson presented document S6-232113.

**Decision:** The document was **revised to S6-232143**.

**S6-232143 Service continuity in ENS via leading ECSP**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0384 rev 2 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-232113)

**Discussion:**

Ericsson presented document S6-232143.

Samsung raised concerns on numerous points.

**Decision:** The document was **not pursued**.

**S6-231871 IE table update for ENS**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0387 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

To align with the procedure defined in clause 8.18.2.3.2 (i.e. EES may indicate ENS being used to ECS in T-EES retrieval), table 8.8.4.6 needs update.

The present contribution proposes adding ENS indication in table 8.8.4.6.

**Discussion:**

Ericsson presented document S6-231871.

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

**S6-231904 ENS – IE tables updates**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0312 rev 2 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231541)

**Abstract:**

The present contribution proposes:

- Updated EAS profile to include federation identifier, indication for restricted access and list of PLMN IDs

- Updated IE table for EAS discovery request/response

- Updated IE table for Retrieve EES request

- Updated IE table for service provisioning response (used for Retrieve EES response).

**Discussion:**

Samsung presented document S6-231904.

**Decision:** The document was **revised to S6-232114**.

**S6-232114 ENS – IE tables updates**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0312 rev 3 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231904)

**Discussion:**

Samsung presented document S6-232114.

Ericsson suggested sending an LS in relation to this CR.

**Decision:** The document was **revised to S6-232142**.

**S6-232142 ENS – IE tables updates**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0312 rev 4 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-232114)

**Discussion:**

Samsung presented document S6-232142.

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

**S6-231905 Edge Node Sharing solution**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0313 rev 2 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231542)

**Abstract:**

The present contribution proposes adding a NOTE clarifying that EAS discovery procedure can be initaited without discovery filters in such case partner EES can share all EASs based on federation agreement.

**Discussion:**

Samsung presented document S6-231905.

Ericsson did not agree with the wording of the proposed note.

**Decision:** The document was **not pursued**.

**S6-232115 Edge Node Sharing solution**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0313 rev 3 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231905)

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

**S6-231903 Reliable Edge Computing**

*Type: CR For: Agreement  
 23.558 v18.2.0 CR-0242 rev 3 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231540)

**Abstract:**

The present contribution proposes:

- adding new clause to specify reuse of the roles defined in TS 23.434

- specifying Context synchronization procedure and IE tables

- updating EES profile with EES Set ID

- reusing service provisioning request-response model for discovering equivalent EES from EES Set

**Discussion:**

Samsung presented document S6-231903.

**Decision:** The document was **not pursued**.

### 8.12 EDGEAPP\_EXT - Edge Application Standards in 3GPP and alignment with External Organizations

**S6-231695 EDGEAPP and ETSI MEC platform and AS aligned deployment**

*Type: pCR For: Approval  
 23.958 v0.4.0  
 Source: Apple Portugal*

**Abstract:**

Presents a deployment option for a joint platform with supporting AS (EAS & MEC apps)

**Discussion:**

Apple presented document S6-231695.

**Decision:** The document was **revised to S6-232158**.

**S6-232158 Pseudo-CR on EDGEAPP and ETSI MEC platform and AS aligned deployment**

*Type: pCR For: Approval  
 23.958 v0.4.0  
 Source: Apple Portugal*

(Replaces S6-231695)

**Discussion:**

Apple presented document S6-232158.

The chair suggested an updated to the figure.

**Decision:** The document was **revised to S6-232167**.

**S6-232167 Pseudo-CR on EDGEAPP and ETSI MEC platform and AS aligned deployment**

*Type: pCR For: Approval  
 23.958 v0.4.0  
 Source: Apple Portugal*

(Replaces S6-232158)

**Discussion:**

Apple presented document S6-232167

There was a suggestion to delete "(EES + MEP)" from the figure. Also some change of the text (e.g. ..functionalities provided by both EES and MEC platform) was discussed.

**Decision:** The document was **revised to S6-232176**.

**S6-232176 Pseudo-CR on EDGEAPP and ETSI MEC platform and AS aligned deployment**

*Type: pCR For: Approval  
 23.958 v0.4.0  
 Source: Apple, ETRI, Intel, Huawei, Nokia*

(Replaces S6-232167)

**Discussion:**

Apple presented document S6-232176.

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

**S6-231720 Interfaces Alignment - EDGEAPP & ETSI MEC**

*Type: pCR For: Approval  
 23.958 v0.3.1  
 Source: Intel, Apple, China Mobile*

(Replaces S6-231503)

**Abstract:**

This pCR provides details about alignment EDGE-3/Mp1and EDGE-9/Mp3 reference points. It provides the mapping of EAS Profile and AppInfo to allow application registration across the platforms. Currently, ETSI MEC has not defined APIs for Mp3 hence currently no alignment may be required.

This pCR provides details about alignment EDGE-3/Mp1and EDGE-9/Mp3 reference points. It provides the mapping of EAS Profile and AppInfo to allow application registration across the platforms. Currently, ETSI MEC has not defined APIs for Mp3 hence currently no alignment may be required.

**Discussion:**

Intel presented document S6-231720.

**Decision:** The document was **revised to S6-232159**.

**S6-232159 Interfaces Alignment - EDGEAPP & ETSI MEC**

*Type: pCR For: Approval  
 23.958 v0.3.1  
 Source: Intel, Apple, China Mobile*

(Replaces S6-231720)

**Discussion:**

Intel presented document S6-232159.

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

**S6-231721 Deployment Options for EDGEAPP and ETSI MEC**

*Type: pCR For: Approval  
 23.958 v0.3.1  
 Source: Intel*

(Replaces S6-231504)

**Abstract:**

This pCR provides different deployment for EDGEAPP and ETSI MEC architectures in an operator environment. The deployment options are based upon the agreement in the TR.

**Discussion:**

Intel presented document S6-231721.

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

**S6-231722 Contributions for external TR**

*Type: discussion For: Endorsement  
 23.958 v..  
 Source: Intel, Apple, China Mobile, Nokia, Nokia Shanghai Bell*

(Replaces S6-231505)

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

**S6-231723 Moving alignment Annex from TS to external TR**

*Type: pCR For: Approval  
 23.958 v0.3.1  
 Source: Intel*

(Replaces S6-231506)

**Abstract:**

This pCR moves the architecture alignment of EDGEAPP with ETSI MEC and GSMA OP related contents from TS to external TR.

**Discussion:**

Intel presented document S6-231723.

Samsung suggested the following editor's note EN: Mapping of EDGE-10 reference point with ETSI MEC and GSMA OP architectures is FFS.

**Decision:** The document was **revised to S6-232160**.

**S6-232160 Moving alignment Annex from TS to external TR**

*Type: pCR For: Approval  
 23.958 v0.3.1  
 Source: Intel, AT&T*

(Replaces S6-231723)

**Discussion:**

Intel presented document S6-232160.

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

**S6-231856 EDGEAPP and ETSI MEC aligned deployment**

*Type: pCR For: Approval  
 23.958 v0.4.0  
 Source: Huawei, Hisilicon*

**Abstract:**

This paper proposes a clause in 3GPP TR 23.958 v0.3.1 to capture the EDGEAPP and ETSI MEC aligned deployment as per conclusion of the FS\_eEDGEAPP study in TR 23.700-98.

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

**S6-231857 EDGEAPP and ETSI MEC registration alignment**

*Type: pCR For: Approval  
 23.958 v0.4.0  
 Source: Huawei, Hisilicon*

**Abstract:**

This paper proposes a clause in 3GPP TR 23.958 v0.3.1 to capture the alignment of the application registration in EDGEAPP and ETSI MEC as per conclusion of the FS\_eEDGEAPP study in TR 23.700-98.

**Discussion:**

Huawei presented the document S6-231857.

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

**S6-231860 MEC and EDGEAPP deployments in relation with CAPIF**

*Type: pCR For: Approval  
 23.958 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Supply some informative content to allow an alignment between EDGEAPP and ETSI MEC using CAPIF for exposing and invoking Service APIs (exposed from both platforms).

**Discussion:**

Nokia presented the document S6-231860.

**Decision:** The document was **revised to S6-232161**.

**S6-232161 MEC and EDGEAPP deployments in relation with CAPIF**

*Type: pCR For: Approval  
 23.958 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-231860)

**Discussion:**

Nokia presented the document S6-232161.

Only change is adding ETRI as co-source.

**Decision:** The document was **revised to S6-232177**.

**S6-232177 MEC and EDGEAPP deployments in relation with CAPIF**

*Type: pCR For: Approval  
 23.958 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-232161)

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

### 8.13 UASAPP\_Ph2 - Architecture for UAS Applications, Phase 2

**S6-231825 Support for C2 direct mode availability reporting**

*Type: CR For: Agreement  
 23.255 v18.1.0 CR-0046 rev 2 Cat: B (Rel-18)  
  
 Source: Lenovo*

(Replaces S6-231487)

**Abstract:**

This CR provides a new feature for UAE supporting the C2 direct mode feasiblity checking and reporting, based on Solution #3 of TR 23.700-55. This includes the addition of new requirements related to this feature, a new procedure in 7.4.2 and the information flows.

**Discussion:**

Lenovo presented the document S6-231825.

**Decision:** The document was **revised to S6-232090**.

**S6-232090 Support for C2 direct mode availability reporting**

*Type: CR For: Agreement  
 23.255 v18.1.0 CR-0046 rev 3 Cat: B (Rel-18)  
  
 Source: Lenovo*

(Replaces S6-231825)

**Discussion:**

Lenovo presented the document S6-232090.

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

### 8.14 SEALDD - SEAL data delivery enabler for vertical applications

**S6-231774 S6-SEALDD\_Add the archirtecture requirements**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: China Mobile*

**Decision:** The document was **revised to S6-232041**.

**S6-232041 S6-SEALDD\_Add the archirtecture requirements**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: China Mobile*

(Replaces S6-231774)

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

**S6-231858 fix the in-consistency on SEALDD enabled regular data transmission connection establishment**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-232042**.

**S6-232042 fix the in-consistency on SEALDD enabled regular data transmission connection establishment**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231858)

**Discussion:**

Huawei presented the document S6-232042.

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

**S6-231859 fix the in-consistency on signalling transmission connection establishment procedure**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-232043**.

**S6-232043 fix the in-consistency on signalling transmission connection establishment procedure**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231859)

**Discussion:**

Huawei presented the document S6-232043.

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

**S6-231874 SEALDD connection alignment**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Ericsson*

**Abstract:**

This pCR includes SEALDD connection alignment.

**Decision:** The document was **revised to S6-232044**.

**S6-232044 SEALDD connection alignment**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Ericsson*

(Replaces S6-231874)

**Discussion:**

Ericsson presented the document S6-232044.

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

**S6-231877 Connection mapping between SEALDD-UU and SEALDD-S**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Connection mapping between SEALDD-UU and SEALDD-S

**Decision:** The document was **revised to S6-232045**.

**S6-232045 Connection mapping between SEALDD-UU and SEALDD-S**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231877)

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

**S6-231878 Complete the SEALDD server discovery and selection procedure**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Complete the SEALDD server discovery and selection procedure

**Decision:** The document was **revised to S6-232046**.

**S6-232046 Complete the SEALDD server discovery and selection procedure**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231878)

**Discussion:**

Huawei presented the document S6-232046.

Ericsson was not supportive of using EAS registration for the new procedure. However they noted the first change was fine.

**Decision:** The document was **revised to S6-232179**.

**S6-232179 Complete the SEALDD server discovery and selection procedure**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-232046)

**Discussion:**

Huawei presented the document S6-232179.

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

**S6-231879 Clarification and correction for SEALDD transmission policy**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Clarification and correction for SEALDD transmission policy

**Decision:** The document was **revised to S6-232047**.

**S6-232047 Clarification and correction for SEALDD transmission policy**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231879)

**Discussion:**

Huawei presented document S6-232047.

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

**S6-231880 Solve EN about the relationship between SEALDD server and NRM server**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solve EN about the relationship between SEALDD server and NRM server

**Decision:** The document was **revised to S6-232048**.

**S6-232048 Solve EN about the relationship between SEALDD server and NRM server**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231880)

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

**S6-231881 Solve EN in SEALDD architecture part**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solve EN in SEALDD architecture part

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

**S6-231882 Clarification and alignment for regular connection establishment procedure**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Clarification and alignment for regular connection establishment procedure

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

**S6-231883 Clean ENs in transmission guarantee procedure**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

This paper is proposed to remove the editor’s notes about information flows and APIs about in clause 9.9.

**Discussion:**

Huawei presented document S6-231883.

**Decision:** The document was **revised to S6-232178**.

**S6-232178 Clean ENs in transmission guarantee procedure**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231883)

**Discussion:**

Huawei presented the document S6-232178.

**Decision:** The document was **revised to S6-232206**.

**S6-232206 Clean ENs in transmission guarantee procedure**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-232178)

**Discussion:**

Huawei presented the document S6-232206.

Convida Wireless suggested adding the EN: The Transmission quality guarantee action is to be changed to the quality guarantee policy in Table 9.7.3.6. The SEALDD policy configuration request in table 9.x.3.1-1 is to be aligned by adding the Transmission quality guarantee policy in this table.

Only change is adding following editor's note after table 9.9.3.1-1.

EN: The Transmission quality guarantee action is to be changed to the quality guarantee policy in Table 9.7.3.6. The SEALDD policy configuration request in table 9.x.3.1-1 is to be aligned by adding the Transmission quality guarantee policy in this table.

**Decision:** The document was **revised to S6-232209**.

**S6-232209 Clean ENs in transmission guarantee procedure**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-232206)

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

**S6-231884 Alignment and completion on SEALDD context**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Alignment and completion on SEALDD context

**Discussion:**

The only change is adding the missing numbering of NOTEs in the first change.

**Decision:** The document was **revised to S6-232049**.

**S6-232049 Alignment and completion on SEALDD context**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231884)

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

**S6-231885 Connection establishment between SEALDD servers**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Connection establishment between SEALDD servers

**Discussion:**

The only change is replacing “may” with “can” in the NOTE.

**Decision:** The document was **revised to S6-232050**.

**S6-232050 Connection establishment between SEALDD servers**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231885)

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

**S6-231886 Align SA2 progress about ECN marking**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Align SA2 progress about ECN marking

**Decision:** The document was **revised to S6-232063**.

**S6-232063 Align SA2 progress about ECN marking**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231886)

**Discussion:**

Huawei presented document S6-232063.

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

**S6-231887 Add the pull operation for SEALDD context transfer**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Add the pull operation for SEALDD context transfer

**Decision:** The document was **revised to S6-232051**.

**S6-232051 Add the pull operation for SEALDD context transfer**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231887)

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

**S6-231888 Solve ENs in tranmission quality measurement procedure**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solve ENs in tranmission quality measurement procedure

**Decision:** The document was **revised to S6-232052**.

**S6-232052 Solve ENs in tranmission quality measurement procedure**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231888)

**Discussion:**

Huawei presented document S6-232052.

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

**S6-231889 Solve EN about connection management between SEALDD traffic and application traffic**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solve EN about connection management between SEALDD traffic and application traffic

**Decision:** The document was **revised to S6-232053**.

**S6-232053 Solve EN about connection management between SEALDD traffic and application traffic**

*Type: pCR For: Approval  
 23.433 v1.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-231889)

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

**S6-231923 SEALDD action guarantee update**

*Type: pCR For: Agreement  
 23.433 v1.2.1  
 Source: Convida Wireless LLC*

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

### 8.15 V2XAPP2\_Ph3 - Application layer support for V2X services; Phase 3

**S6-231862 VAE client enabled V2P communication schedule configuration**

*Type: CR For: Agreement  
 23.286 v18.1.0 CR-0077 Cat: B (Rel-18)  
  
 Source: Lenovo*

**Abstract:**

In TR 23.700-64, Solution #1 was concluded to be considered for the eV2XAPP\_ph3 normative phase. The solution had two variants, one for VAE-server triggered and one for VAE-client triggered configuration. This contribution provides the remaining procedure for the VAE-client triggered schedule configuration, information flows and requirements for the new VAE layer feature related to supporting energy efficient V2P communications.

The present contribution proposes were adding in clauses 9.22.2 and 9.22.3.2 additional capability for VAE client triggered configuration, the procedures/information flows.

**Discussion:**

Lenovo presented the document S6-231862.

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

### 8.16 ADAES - Application Data Analytics Enablement Service

**S6-231690 Editorial\_corrections\_about\_A-ADRF**

*Type: pCR For: Approval  
 23.436 v1.1.0  
 Source: NTT DOCOMO INC.*

**Abstract:**

This contribution corrects incorrect terms to A-ADRF.

**Discussion:**

NTT DOCOMO presented doucment S6-231690.

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

**S6-231907 Enhancement to service experience support**

*Type: pCR For: Agreement  
 23.436 v1.1.0  
 Source: Samsung*

(Replaces S6-231308)

**Abstract:**

In TR 23.700-35, Solution #5 (Service experience to support application performance analytics) is concluded for considerations for the normative work.

Based on discussions in SA6#52-Bis-e and SA6#53 meetings, and also based on SA4 response, we need to specify data collection from UE over R8 interface.

The pCR proposes specifying data collection procedure of R8 interface.

**Discussion:**

Samsung presented doucment S6-231907.

Qualcomm objected to moving forward with the proposed contribution until further clarity from SA4.

**Decision:** The document was **revised to S6-232085**.

**S6-232085 Enhancement to service experience support**

*Type: pCR For: Approval  
 23.436 v1.1.0  
 Source: Samsung*

(Replaces S6-231907)

**Discussion:**

Samsung presented doucment S6-232085.

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

**S6-231925 Edge analytics update**

*Type: pCR For: Approval  
 23.436 v1.1.0  
 Source: Convida Wireless LLC*

**Abstract:**

This contribution introduces an application of the generic analytics enablement mechanism agreed in solution #2 of TR 23.700-36 and also used for edge load analytics, and adds UE side data collection for edge related analytics.

**Discussion:**

Convida Wireless presented document S6-231925.

**Decision:** The document was **revised to S6-232091**.

**S6-232091 Edge analytics update**

*Type: pCR For: Approval  
 23.436 v1.1.0  
 Source: Convida Wireless LLC*

(Replaces S6-231925)

**Discussion:**

Convida Wireless presented document S6-232091.

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

### 8.17 5GFLS - 5G-enabled fused location service capability exposure

**S6-231786 Update reference for location access type**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0216 Cat: F (Rel-18)  
  
 Source: CATT*

**Discussion:**

CATT presented document S6-231786.

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

**S6-231787 Update Annex D**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0217 Cat: F (Rel-18)  
  
 Source: CATT*

**Discussion:**

CATT presented document S6-231787.

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

**S6-231789 Add SEAL-3P reference point**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0218 Cat: B (Rel-18)  
  
 Source: CATT*

**Abstract:**

The contribution proposes adding:

- SEAL-3P reference point between SEAL server and 3rd party LMS.

- Editor’s Notes for SEAL-UU reference point: SEAL-UU supports for non-3GPP access is FFS.

**Discussion:**

CATT presented document S6-231789.

**Decision:** The document was **revised to S6-232034**.

**S6-232034 Add SEAL-3P reference point**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0218 rev 1 Cat: B (Rel-18)  
  
 Source: CATT*

(Replaces S6-231789)

**Discussion:**

CATT presented document S6-232034.

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

**S6-231790 Editorial change for Location area monitoring unsubscribe response**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0219 Cat: F (Rel-18)  
  
 Source: CATT*

**Discussion:**

CATT presented document S6-231790.

The only change is replacing "Requested" with "Request" in the updated text.

**Decision:** The document was **revised to S6-232035**.

**S6-232035 Editorial change for Location area monitoring unsubscribe response**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0219 rev 1 Cat: F (Rel-18)  
  
 Source: CATT*

(Replaces S6-231790)

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

**S6-231866 Clarify non-3GPP access**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0222 Cat: F (Rel-18)  
  
 Source: Ericsson*

**Discussion:**

Ericsson presented the document S6-231866.

The only change is removing the second proposed change (deleting the text in the table).

**Decision:** The document was **revised to S6-232033**.

**S6-232033 Clarify non-3GPP access**

*Type: CR For: Agreement  
 23.434 v18.4.1 CR-0222 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231866)

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

### 8.18 MC\_AHGC - Mission Critical ad hoc group Communications

**S6-231673 Corrections for ad hoc group call setup**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0347 Cat: F (Rel-18)  
  
 Source: Kontron Transportation France*

**Decision:** The document was **revised to S6-231958**.

**S6-231958 Corrections for ad hoc group call setup**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0347 rev 1 Cat: F (Rel-18)  
  
 Source: Kontron Transportation France*

(Replaces S6-231673)

**Decision:** The document was **revised to S6-231995**.

**S6-231995 Corrections for ad hoc group call setup**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0347 rev 2 Cat: F (Rel-18)  
  
 Source: Kontron Transportation France*

(Replaces S6-231958)

**Discussion:**

Kontron presented the document S6-231995.

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

**S6-231685 Corrections for ad hoc group data communication setup**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0312 Cat: F (Rel-19)  
  
 Source: Kontron Transportation France*

**Decision:** The document was **revised to S6-231959**.

**S6-231959 Corrections for ad hoc group data communication setup**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0312 rev 1 Cat: F (Rel-19)  
  
 Source: Kontron Transportation France*

(Replaces S6-231685)

**Decision:** The document was **revised to S6-231996**.

**S6-231996 Corrections for ad hoc group data communication setup**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0312 rev 2 Cat: F (Rel-19)  
  
 Source: Kontron Transportation France*

(Replaces S6-231959)

**Discussion:**

Kontron presented the document S6-231996.

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

**S6-231768 Ad hoc group emergency alert between multiple MC systems**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0389 rev 2 Cat: B (Rel-18)  
  
 Source: Ericsson, AT&T, Nokia, Nokia Shanghai Bell*

(Replaces S6-231526)

**Decision:** The document was **revised to S6-231960**.

**S6-231960 Ad hoc group emergency alert between multiple MC systems**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0389 rev 3 Cat: B (Rel-18)  
  
 Source: Ericsson, AT&T, Nokia, Nokia Shanghai Bell*

(Replaces S6-231768)

**Decision:** The document was **revised to S6-232064**.

**S6-232064 Ad hoc group emergency alert between multiple MC systems**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0389 rev 4 Cat: B (Rel-18)  
  
 Source: Ericsson, AT&T, Nokia, Nokia Shanghai Bell, Motorola Solutions*

(Replaces S6-231960)

**Discussion:**

Ericsson presented document S6-232064.

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

**S6-231769 Addressing EN related to implicit affiliation to ad hoc group alert participants**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0398 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S6-231961**.

**S6-231961 Addressing EN related to implicit affiliation to ad hoc group alert participants**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0398 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231769)

**Decision:** The document was **revised to S6-231997**.

**S6-231997 Addressing EN related to implicit affiliation to ad hoc group alert participants**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0398 rev 2 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231961)

**Discussion:**

Ericsson presented document S6-231997.

The only change is removing the second change.

**Decision:** The document was **revised to S6-232078**.

**S6-232078 Addressing EN related to implicit affiliation to ad hoc group alert participants**

*Type: CR For: Agreement  
 23.280 v18.5.0 CR-0398 rev 3 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231997)

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

**S6-231770 Addressing EN related to user configuration for ad hoc MCPTT communication**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0352 Cat: C (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S6-231962**.

**S6-231962 Addressing EN related to user configuration for ad hoc MCPTT communication**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0352 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-231770)

**Discussion:**

The only change is updating the “affected clauses” on the CR cover page.

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

**S6-231771 Addressing EN related to user configuration for ad hoc MCVideo communication**

*Type: CR For: Agreement  
 23.281 v18.3.0 CR-0180 Cat: C (Rel-18)  
  
 Source: Ericsson*

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

**S6-231796 Updates adhoc group call procedures for allowing a subsequent MCPTT call after an adhoc group emergency alert**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0354 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Adhoc group call procedures are updated to cover the subsequent MCPTT call scenario after an adhoc group emergency alert.

**Decision:** The document was **revised to S6-231963**.

**S6-231963 Updates adhoc group call procedures for allowing a subsequent MCPTT call after an adhoc group emergency alert**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0354 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-231796)

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

**S6-231810 Updates adhoc group call procedures for allowing a subsequent MCVideo call after an adhoc group emergency alert**

*Type: CR For: Agreement  
 23.281 v18.3.0 CR-0181 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Adhoc group call procedures are updated to cover the subsequent MCVideo adhoc group emergency call scenario after an adhoc group emergency alert.

**Decision:** The document was **revised to S6-231964**.

**S6-231964 Updates adhoc group call procedures for allowing a subsequent MCVideo call after an adhoc group emergency alert**

*Type: CR For: Agreement  
 23.281 v18.3.0 CR-0181 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-231810)

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

**S6-231811 Updates adhoc group call procedures for allowing a subsequent MCData communication after an adhoc group emergency alert**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0316 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Adhoc group call procedures are updated to cover the subsequent MCData adhoc group emergency communication scenario after an adhoc group emergency alert.

**Decision:** The document was **revised to S6-231965**.

**S6-231965 Updates adhoc group call procedures for allowing a subsequent MCData communication after an adhoc group emergency alert**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0316 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-231811)

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

**S6-231817 Corrections to ad hoc group call setup procedure involving multiple MC system**

*Type: CR For: Agreement  
 23.281 v18.3.0 CR-0182 Cat: F (Rel-18)  
  
 Source: Samsung*

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

**S6-231819 Corrections to ad hoc group call setup procedure involving multiple MC system**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0355 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India*

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

**S6-231821 Information flows and procedures to support ad hoc group standalone short data service using signalling control plane**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0317 Cat: B (Rel-18)  
  
 Source: Samsung*

**Decision:** The document was **not pursued**.

**S6-231966 Information flows and procedures to support ad hoc group standalone short data service using signalling control plane**

*Type: CR For: Agreement  
 23.282 v18.3.0 CR-0317 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-231821)

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

**S6-231822 Corrections to ad hoc group call setup procedure involving multiple MC system**

*Type: CR For: Agreement  
 23.379 v18.5.1 CR-0356 Cat: F (Rel-18)  
  
 Source: Samsung*

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

### 8.19 PINAPP - Application layer support for Personal IoT Network

**S6-231728 Authorization information delivery to PINE**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: vivo*

**Decision:** The document was **not pursued**.

**S6-231729 Gateway capability and PEGC determination during PIN create**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: vivo*

**Decision:** The document was **revised to S6-232054**.

**S6-232054 Gateway capability and PEGC determination during PIN create**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: vivo*

(Replaces S6-231729)

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

**S6-231730 PEGC operation related to PDU Session for PIN**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: vivo*

**Decision:** The document was **not pursued**.

**S6-231731 PIN-9 API**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: vivo*

**Decision:** The document was **revised to S6-232055**.

**S6-232055 PIN-9 API**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: vivo*

(Replaces S6-231731)

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

**S6-231732 Add routing management and Access control in PIN profile for PEGC**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: vivo*

**Decision:** The document was **revised to S6-232056**.

**S6-232056 Add routing management and Access control in PIN profile for PEGC**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: vivo*

(Replaces S6-231732)

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

**S6-231733 Support communication between PIN enabler layer**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: vivo*

**Decision:** The document was **revised to S6-232057**.

**S6-232057 Support communication between PIN enabler layer**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: vivo*

(Replaces S6-231733)

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

**S6-231745 Pseudo-CR on various table corrections**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: InterDigital*

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

**S6-231746 Pseudo-CR on various figure corrections**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: InterDigital*

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

**S6-231747 Pseudo-CR on Removal of API clauses**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: InterDigital*

**Decision:** The document was **not pursued**.

**S6-231748 Pseudo-CR on PIN Management PEGC discovery information flows**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: InterDigital*

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

**S6-231749 Pseudo-CR on PIN Application KPIs**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: InterDigital*

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

**S6-231750 Pseudo-CR on General clauses**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: InterDigital*

**Discussion:**

The only change is removing the text “point-to-point” in Change-3.

**Decision:** The document was **revised to S6-232058**.

**S6-232058 Pseudo-CR on General clauses**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: InterDigital*

(Replaces S6-231750)

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

**S6-231751 Pseudo-CR on removing EN on PIN-5**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: InterDigital*

**Discussion:**

The only change is replacing in the NOTE in first and second change from “PIN-5 is out-of-scope of this specification.” to “PIN-5 is out-of-scope of this release.”

**Decision:** The document was **revised to S6-232059**.

**S6-232059 Pseudo-CR on removing EN on PIN-5**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: InterDigital*

(Replaces S6-231751)

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

**S6-231752 Pseudo-CR on editorial corrections**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: InterDigital*

**Discussion:**

The only change is correcting a typo by replacing “succesfull” with “successful”.

**Decision:** The document was **revised to S6-232060**.

**S6-232060 Pseudo-CR on editorial corrections**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: InterDigital*

(Replaces S6-231752)

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

**S6-231846 Few minor essential corrections**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: Samsung*

**Discussion:**

The only changes are removing the First and Second changes.

**Decision:** The document was **revised to S6-232061**.

**S6-232061 Few minor essential corrections**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: Samsung*

(Replaces S6-231846)

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

**S6-231861 Corrections to PIN discovery procedures**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: Samsung*

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

**S6-231864 Pseudo-CR on activation and deactivation of PIN**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: Samsung*

(Replaces S6-231238)

**Decision:** The document was **revised to S6-232062**.

**S6-232062 Pseudo-CR on activation and deactivation of PIN**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: Samsung*

(Replaces S6-231864)

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

**S6-231909 Corrections to the PIN registration procedures**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: Samsung*

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

**S6-231912 De-registration and update registration procedures**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: Samsung*

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

**S6-231913 Pseudo CR on corrections to PIN Management procedures**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: Samsung*

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

**S6-231914 Pseudo-CR on PIN server discovery procedures**

*Type: pCR For: Approval  
 23.542 v0.3.0  
 Source: Samsung*

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

**S6-231927 PIN role IE**

*Type: pCR For: Agreement  
 23.542 v0.3.0  
 Source: Convida Wireless LLC*

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

### 8.20 TEI18 - Technical Enhancements and Improvements for Release 18

**S6-231827 CAPIF add service procedure for update of subscriptions**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0115 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Add an “Update event subscription” service procedure

**Decision:** The document was **revised to S6-231936**.

**S6-231936 CAPIF add service procedure for update of subscriptions**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0115 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-231827)

**Abstract:**

Currently, subscriptions for events can be created and deleted. The issue with this approach is that when a client wants to update a subscription, it has to delete the old subscriprion and create a new one. Depending on the order these operations are invoked, the client may either receive duplicated notifications (create-new followed by delete-old) or may miss notifications (delete-old followed by create-new).

The present contribution proposes adding an “Update event subscription” service procedure.

**Discussion:**

Nokia presented document S6-231936.

**Decision:** The document was **revised to S6-232086**.

**S6-232086 CAPIF add service procedure for update of subscriptions**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0115 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-231936)

**Decision:** The document was **revised to S6-232116**.

**S6-232116 CAPIF add service procedure for update of subscriptions**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0115 rev 3 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-232086)

**Discussion:**

Nokia presented document S6-232116.

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

**S6-231915 Alignment among CAPIF provider (trust) domains**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0116 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

The proposal proposes:

- definition of CAPIF provider domain as a “general concept”

- definition of SNPN trust domain

- reuse of information regarding: functional model, support of 3rd party API providers, and the interconnection among CCFs for the different domains (PLMN trust domain, SNPN trust domain and 3rd party trust domain)

**Discussion:**

Nokia presented document S6-231915.

**Decision:** The document was **revised to S6-232087**.

**S6-232087 Alignment among CAPIF provider (trust) domains**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0116 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-231915)

**Decision:** The document was **revised to S6-232117**.

**S6-232117 Alignment among CAPIF provider (trust) domains**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0116 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-232087)

**Discussion:**

Nokia presented document S6-232117.

It was suggested to replace "subclause" with "clause".

**Decision:** The document was **revised to S6-232144**.

**S6-232144 Alignment among CAPIF provider (trust) domains**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0116 rev 3 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-232117)

**Decision:** The document was **revised to S6-232149**.

**S6-232149 Alignment among CAPIF provider (trust) domains**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0116 rev 4 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-232144)

**Discussion:**

Nokia presented document S6-232149.

The only change is removing changes on changes.

**Decision:** The document was **revised to S6-232180**.

**S6-232180 Alignment among CAPIF provider (trust) domains**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0116 rev 5 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-232149)

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

**S6-231832 Revoking notification to other AEFs**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0110 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-231577)

**Abstract:**

One API may be provided by multiple AEFs. When the API invocation is revoked by one of those AEFs, the other ones shall be notfied. However, this is missing in TS 23.222.

The present contribution proposes:

- Updating the clause 8.23.3 to notify other AEFs who provide the same API

- Upating the clause 8.23.4 to reflect the case that one API may be provided by multiple AEFs.

**Discussion:**

Huawei presented document S6-231832.

**Decision:** The document was **revised to S6-232088**.

**S6-232088 Revoking notification to other AEFs**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0110 rev 3 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-231832)

**Discussion:**

Huawei presented document S6-232088.

Samsung as co-source.

Ericsson raised concerns for the proposal.

**Decision:** The document was **revised to S6-232148**.

**S6-232148 Revoking notification to other AEFs**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0110 rev 4 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Samsung*

(Replaces S6-232088)

**Discussion:**

Huawei presented document S6-232148.

**Decision:** The document was **revised to S6-232182**.

**S6-232182 Revoking notification to other AEFs**

*Type: CR For: Agreement  
 23.222 v18.1.0 CR-0110 rev 5 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon, Hytera,*

(Replaces S6-232148)

**Discussion:**

Huawei presented document S6-232182.

Ericsson suggested sending an LS to SA3 (alignment) before proceeding with the proposal.

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

## 9 Rel-18 Study Items

### 9.1 FS\_PINAPP - Study on Application layer support for Personal IoT

### 9.2 FS\_MCShAC - Study on sharing of administrative configuration between interconnected MC service systems

**S6-231694 Removal of Editor’s note under clause 7.2 and editorial fixes**

*Type: pCR For: Approval  
 23.700-38 v1.3.0  
 Source: BDBOS*

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

### 9.3 FS\_MCAHGC - Study on Mission Critical Ad hoc Group Communications Support for Mission Critical Services

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

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

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

**S6-231921 TR 23.700-97 General clean-up**

*Type: CR For: Agreement  
 23.700-97 v18.0.0 CR-0003 Cat: D (Rel-18)  
  
 Source: Convida Wireless*

**Abstract:**

The present contribution proposes converting and Editor’s Note reading as follows:

NOTE: It is to be addressed in the normative phase whether configuring VAL server procedure is required or not.

**Discussion:**

CATT presented document S6-231925.

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

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

### 9.8 FS\_eEDGEAPP - Study on enhanced Application Architecture for enabling Edge Applications

### 9.9 FS\_eUASAPP - Study on enhanced architecture for UAS Applications

### 9.10 FS\_SEALDD - Study on SEAL data delivery enabler for vertical applications

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

### 9.12 FS\_ADAES - Study on Application Data Analytics Enablement Service

## 10 Future work / New WIDs / Revised WIDs (including related contributions)

**S6-231669 What happens with unspecified IEs?**

*Type: discussion For: Discussion  
 Source: one2many B.V.*

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

**S6-231687 Sharing of administrative configuration between interconnected MC service systems**

*Type: WID new For: Agreement  
 Source: BDBOS*

**Decision:** The document was **revised to S6-232072**.

**S6-232072 Sharing of administrative configuration between interconnected MC service systems**

*Type: WID new For: Agreement  
 Source: BDBOS*

(Replaces S6-231687)

**Abstract:**

Objective

Develop Stage 2 normative technical procedures and information flows for supporting the exchange of administrative configuration and information between interconnected MC systems for all mission critical services (MCPTT, MCData and MCVideo) based on the key issues, solutions, and conclusions captured in 3GPP TR 23.700-38. The Stage 2 normative technical specification will include the following aspects:

a. The functional architectural enhancements to support this mechanism that ensures secure exchange between MC systems.

b. the exchange of administrative group configuration data between interconnected MC systems

c. the exchange of administrative service configuration data between interconnected MC systems

d. the exchange of relevant information for specific MC users to migrate in partner MC system

e. the required configurations to enable using this mechanism.

**Discussion:**

BDBOS presented the S6-232072.

Huawei and Airbus indicated support for the anticipated work.

Only change is adding Huawei and Airbus as supporters.

**Decision:** The document was **revised to S6-232194**.

**S6-232194 Sharing of administrative configuration between interconnected MC service systems**

*Type: WID new For: Agreement  
 Source: BDBOS*

(Replaces S6-232072)

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

**S6-231688 UASAPP follow-up for Rel-19**

*Type: discussion For: Endorsement  
 Source: InterDigital*

**Discussion:**

InterDigital presented the S6-231688.

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

**S6-231698 FS\_MetaApp: R19 proposal and Discussion paper**

*Type: discussion For: Endorsement  
 Source: Samsung*

**Discussion:**

Samsung presented the S6-231698.

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

**S6-231704 SNAAPP\_EXT Guidelines for SNAAPP/RNAA**

*Type: discussion For: Discussion  
 Source: NTT DOCOMO*

**Discussion:**

NTT DOCOMO presented the S6-231704.

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

**S6-231705 Rel-19 proposal for EDGEAPP\_Ph3**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

Samsung presented S6-231705.

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

**S6-231738 EDGEAPP follow-up for Rel-19**

*Type: discussion For: Endorsement  
 Source: InterDigital*

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

**S6-231689 New SID on further enhancements on Application Architecture for UAS applications**

*Type: SID new For: Agreement  
 Source: InterDigital*

**Decision:** The document was **revised to S6-232089**.

**S6-232089 New SID on further enhancements on Application Architecture for UAS applications**

*Type: SID new For: Agreement  
 Source: InterDigital*

(Replaces S6-231689)

**Abstract:**

The SA6 objectives of this study item include the following:

1) analyze requirements in 3GPP TS 22.125 and further identify key issues, develop corresponding architectural requirements and potential enhancements to the application layer architecture as required, including:

a) provision of additional information to the UAV operator / USS to execute pre-flight preparations and inflight operation (e.g, flight mission application, flight path recommendation, flight monitoring and control);

b) enhancement of the UAV flight/route management and reconfiguring of network resources based on network capacity and QoS information along the planned route;

c) enhancement of the support of UTM in scenarios for Detect and Avoid;

d) identification of potential new requirements related to redundancy and reliability of command and control (C2) traffic for UAV;

e) identification of potential new requirements related to EDGE; and

f) consider enhancements on existing functionality in 3GPP TS 23.255;

2) identify potential solutions as required, including the information flows and the APIs satisfying the architectural requirements and enhancements identified in bullet 1) above; and

3) identify potential improvements to SEAL based on the architectural requirements and enhancements identified in bullet 1) above.

NOTE 1: UAV-aspects related with sensing are discussed in the new SID for study on Sensing enabler for vertical applications.

NOTE 2: For some of the above items, SA6 can be dependent on progress and decisions by SA2.

NOTE 3: Stage-1 is work in progress and can change. The objective will be updated accordingly.

**Discussion:**

InterDigital presented the document S6-232089.

**Decision:** The document was **revised to S6-232195**.

**S6-232195 New SID on further enhancements on Application Architecture for UAS applications**

*Type: SID new For: Agreement  
 Source: InterDigital*

(Replaces S6-232089)

**Decision:** The document was **revised to S6-232219**.

**S6-232219 New SID on further enhancements on Application Architecture for UAS applications**

*Type: SID new For: Agreement  
 Source: InterDigital*

(Replaces S6-232195)

**Discussion:**

InterDigital presented the document S6-232219.

Qualcomm objected to the bullets 1a) to 1d).

Samsung was of the view agreement in the current meeting was premature.

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

**S6-231699 New SID on application enablement for Localized Mobile Metaverse Services**

*Type: SID new For: Agreement  
 Source: Samsung*

**Decision:** The document was **revised to S6-232068**.

**S6-232068 New SID on application enablement for Localized Mobile Metaverse Services**

*Type: SID new For: Agreement  
 Source: Samsung*

(Replaces S6-231699)

**Discussion:**

Samsung presented the document S6-232068.

Qualcomm noted that the objective "a) Application enablement and management of avatars/alter egos;" is not in the SA6 scope." also the objective c) on Spatial mapping would require clarification. Qualcomm was of the view it was premature to agree this work item in the current meeting.

Convida Wireless found the proposal very interesting like the topic on avatars.

Lenovo indicated support for the proposed work.

Huawei found the proposal was interesting but thought that the proposal requires more work on defining actual gaps.

There was a general discussion on how to collect the information on work agreed vs endorsed vs potential work.

**Decision:** The document was **revised to S6-232211**.

**S6-232211 New SID on application enablement for Localized Mobile Metaverse Services**

*Type: SID new For: Agreement  
 Source: Samsung*

(Replaces S6-232068)

**Abstract:**

Objective

The objectives of the study includes:

1) Study requirements for overall application framework/enabling layer platform architecture to support localized mobile metaverse services in 3GPP specified networks, including the interactions between UE and application enablement layer including (non-exhaustive):

a) Application enablement and management of avatars/alter egos;

b) Application enablement and management of spatial anchors;

c) Support for Spatial mapping and localization service

d) Enhancements to application discovery for metaverse applications;

e) Enhancements to service continuity for metaverse application;

f) Support for communication for users with disabilities;

2) Identify key issues based on 1), develop corresponding functional model and potential solutions;

3) Establish deployment models.

NOTE 1: Enhancements to existing SA6 defined enablers (e.g. SEAL, CAPIF, EDGEAPP) may be required.

NOTE 2: Stage-1 is work in progress and can change. The justification will be updated accordingly.

**Discussion:**

Samsung presented the document S6-232211.

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

**S6-231739 New SID on further enhancements of the Edge Enablement Layer**

*Type: SID new For: Agreement  
 Source: InterDigital*

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

**S6-231724 Revised WID Application layer support for Factories of the Future**

*Type: WID revised For: Agreement  
 Source: ZTE Corporation*

**Abstract:**

Objective

Develop stage 2 normative technical specification for the application layer enablement capabilities based on identified key issues, solutions and conclusions in TR 23.745, including the following aspects:

a) Defining architecture requirements corresponding to the application layer support capabilities.

b) The functional architecture of the FF application layer illustrating the application layer support capabilities being utilized by the FF application specific entities (e.g. factory automation system and application residing on AGV, robot).

c) Procedures and information flows supporting the related solutions and usage of SEAL procedures.

d) Enhancements related to geographic location and positioning information support

e) Support for Private slice monitoring

f) Support for Edge computing deployment

g) Message communication support for non-TSN messaging communications

h) Support for TSC services

i) Establishing communication with FF application service requirements

**Discussion:**

ZTE presented the document S6-231724.

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

**S6-231725 FS\_FFAPP2 R19 proposal and Discussion paper**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

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

**S6-231726 SID Study on application layer support for Factories of the Future phase2**

*Type: SID new For: Agreement  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-232196**.

**S6-232196 SID Study on application layer support for Factories of the Future phase2**

*Type: SID new For: Agreement  
 Source: ZTE Corporation*

(Replaces S6-231726)

**Abstract:**

The objectives of the study include:

1. Analyze SA1 stage 1 requirements for Factories of the Future which have impact on the enabler layer services and deterministic communication requirements of industrial networking technologies (EtherCAT, PROFINET, OPC UA-FLC,.) from vertical such as 5G-ACIA;2. Develop key issues and solution recommendations to enable the application layer support for the advanced FF services over 3GPP systems (5GS), including:

a) UE to UE / ProSe communication, PC5 parameters provisioning and configuration;

b) High accuracy positioning and application level location tracking;

c) Coordinate EDGEAPP for industrial control intelligence and time-sensitive data;

d) Exposing digital twin capabilities by Application Data Analytics Enablement Service and AI/ML;

e) Field level communication-to-network topology management;

f) Dynamic field device grouping.

NOTE: Enhancements to existing SA6 defined enablers (e.g. SEAL, CAPIF, EDGEAPP, FFAPP) may be required.

**Discussion:**

ZTE presented the document S6-232196.

Nokia suggested to go for a WID instead of a SID.

Qualcomm noted it would be unlikely to achieve agreement even on revised objectives in the present meeting.

Samsung raised concern about the low number of supporters for the work.

Huawei pointed out that only 4 supporting members were required.

The chair noted that the number of supporting comments still gives an indication of member support.

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

**S6-231727 TR FS FFAPP2 skeleton**

*Type: other For: Approval  
 Source: ZTE Corporation*

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

**S6-231753 R19 SID WID proposals\_Service aspects for supporting the eMMTel Service**

*Type: discussion For: Discussion  
 Source: China Mobile Com. Corporation*

**Discussion:**

China Mobile presented the S6-231756.

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

**S6-231755 Study on Service aspects for supporting the eMMTel Service**

*Type: SID new For: Agreement  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-232073**.

**S6-232073 Study on Service aspects for supporting the eMMTel Service**

*Type: SID new For: Agreement  
 Source: China Mobile Com. Corporation*

(Replaces S6-231755)

**Discussion:**

China Mobile presented the S6-232073.

Samsung indicated support for the proposed work but suggested refinement of the objectives.

Qualcomm was of the view that objective 2b was out of scope of SA6

**Decision:** The document was **revised to S6-232213**.

**S6-232213 Study on Service aspects for supporting the eMMTel Service**

*Type: SID new For: Agreement  
 Source: China Mobile Com. Corporation*

(Replaces S6-232073)

**Abstract:**

Objective

The SA6 objective is to study the service aspects for supporting the eMMTel service based on requirements from stage 1 and the gaps between the service requirements of enabling eMMTel service to application providers/Vertical service provider and architecture/procedures specified by SA2.

This study will produce a technical report that includes (but not limited to):

1) Study the gaps between a and b listed below and analyze the potential enhancement in application layer to fulfil the service requirements and fill the identified gaps.

a. the architecture/procedures specified in Annex AC.2 of 3GPP TS 23.228, clause 6.2.10 of 3GPP TS 26.114, the requirements of providing eMMTel service to application providers/Vertical service provider; and

b. the existing architecture in application layer, e.g. Parlay, OMA oneAPI and other industrial solutions etc.

NOTE 1 Coordination with SA2, SA3 and SA4 will be required.

2) Study the application layer architecture for enabling eMMTel service to application providers/Vertical service provider based on analysis above and the related application layer procedures identified by SA2, e.g: download data channel application to UE.

NOTE 2: Any network enhancements related to enabling the eMMTel service in application layer required for this study, for e.g. interaction between the 3GPP core network and eMMTel enabler layer, should be worked on in the relevant 3GPP working groups (e.g. SA2, SA3, SA4).

3) Study the application layer APIs which integrated with the underlying 3GPP core network architectures to allow exposure of relevant capabilities and other core network interactions to application providers/Vertical service provider and hide the detailed architecture of the underlying 3GPP core network. E.g. the relevant capabilities may include capabilities exposed from N33, DC4, MDC2, MDC3 reference points.

NOTE 3: This study shall not duplicate the existing SA2/CT3 APIs related to the existing (direct) exposure of SCEF/NEF APIs.

4) Study the potential integration of existing application layer service capabilities (e.g. SEAL specified by SA6 etc.) and eMMTel service to provide value added services to application providers/Vertical service provider. E.g.

a. usage of SEAL GMS for the membership management of MMTel multi-party calling;

b. usage of SEAL CMS for the configuration of DCMTSI client and eMMTel UE;

c. usage of SEAL LMS for location-based calling;

d. usage of SEALDD for the content delivery of applications, etc.

5) Potential impact on existing application architecture specified by SA6, e.g. CAPIF, for enabling eMMTel Service.

The solutions, evaluations and conclusions from the technical report should be considered the input to future normative work in this area.

**Discussion:**

China Mobile presented the S6-232213.

Qualcomm suggested deleting " provider and hide the detailed architecture of the underlying 3GPP core network. E.g. the relevant capabilities may include capabilities exposed from N33, DC4, MDC2, MDC3 reference points" from bullet 3.

The only change is deleting " provider and hide the detailed architecture of the underlying 3GPP core network. E.g. the relevant capabilities may include capabilities exposed from N33, DC4, MDC2, MDC3 reference points" from bullet 3 and correcting various font styles.

**Decision:** The document was **revised to S6-232223**.

**S6-232223 Study on Service aspects for supporting the eMMTel Service**

*Type: SID new For: Agreement  
 Source: China Mobile Com. Corporation*

(Replaces S6-232213)

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

**S6-231756 R19 SID WID proposals\_WID on support of the 5GMSG Service phase 3**

*Type: discussion For: Discussion  
 Source: China Mobile Com. Corporation*

**Discussion:**

China Mobile presented the S6-231756.

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

**S6-231757 WID on support of the 5GMSG Service phase 3**

*Type: WID new For: Agreement  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-232074**.

**S6-232074 WID on support of the 5GMSG Service phase 3**

*Type: WID new For: Agreement  
 Source: China Mobile Com. Corporation*

(Replaces S6-231757)

**Abstract:**

Objective

This work item is to develop application layer solutions where it is necessary to solve the remaining technical issues in Rel-18. The issues are including (but not limited to):

1) Develop technical solutions to fulfil the remaining stage 1 requirements, e.g.

a) the [R-5.1.2-005] in TS TS22.262 and specify a delivery mechanism in the terminating side (not triggered by the requirement from sender) when the recipient is not registered. And also specify the how to handle the message when both the new delivery mechanism and Store and Forward in Rel-18 apply.

b) the [R-5.1.2-001] in TS TS22.262 and solve the EN in clause 11.2, i.e. Whether MSGin5G Server can be deployed in EDN to fulfil the delay requirement specified in [R-5.1.2-001] of 3GPP TS 22.262 [2] is FFS;

2) Develop technical solutions to solve the remaining technical issues and ENs in Rel-18, e.g. develop a set of APIs provided by MSGin5G Client to support the Application Client via MSGin5G-5 reference point; and

3) Conduct clean-up, e.g solve ENs and procedures alignment.

NOTE: For potential impacts to 5G system, coordination with SA2 will be necessary. For potential security requirements, coordination with SA3 will be necessary.

**Discussion:**

China Mobile presented the S6-232074.

The only change is removing Samsung from the list of supporting companies.

**Decision:** The document was **revised to S6-232214**.

**S6-232214 WID on support of the 5GMSG Service phase 3**

*Type: WID new For: Agreement  
 Source: China Mobile Com. Corporation*

(Replaces S6-232074)

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

**S6-231793 SA6 Rel-19 Railways (FRMCS)**

*Type: Work Plan For: Discussion  
 Source: UIC, Kontron, Nokia, Ericsson*

**Abstract:**

The presentation provides input for the Rel-19 release planning discussion within SA6 from railways perspective.

**Discussion:**

Nokia presented the document S6-231793.

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

**S6-231788 Railways specific Enhancements to Mission Critical Services**

*Type: WID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

The work is built on Rel-18 achievements and aims to complete and enhance several aspects which could not be finished in Rel-18

**Decision:** The document was **revised to S6-232070**.

**S6-232070 Railways specific Enhancements to Mission Critical Services**

*Type: WID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-231788)

**Discussion:**

Nokia presented the document S6-232070.

Only changes are replacing the objective bullet 1) with "Specify several enhancements on ad hoc group communications, new procedures for all MC services to cover the gaps if any identified and ad hoc group emergency alerts (e.g., enhanced location information, migration, multi-talker feature, change criteria during an active communication, addition information IE, recording, merging of ad hoc groups)"

and adding AT&T, Huawei, Netherlands Police, Airbus as supporting companies.

**Decision:** The document was **revised to S6-232215**.

**S6-232215 Railways specific Enhancements to Mission Critical Services**

*Type: WID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-232070)

**Abstract:**

Objective

Considering the use cases and the requirements from 3GPP SA1 (and possibly from other 3GPP groups and different SDOs) and the results achieved in Rel-18, the objectives of the work include:

1. Specify several enhancements on ad hoc group communications, new procedures for all MC services to cover the gaps if any identified and ad hoc group emergency alerts (e.g., enhanced location information, migration, multi-talker feature, change criteria during an active communication, addition information IE, recording, merging of ad hoc groups)

2. Specify the architecture and procedures to support interworking with GSM-R for MCPTT private calls, MCPTT ad hoc group calls, MCData SDS and automatic subsequent MCPTT ad hoc group calls following an ad hoc group emergency alert.

3. Several enhancements and corrections to existing procedures to support Interconnection and Migration for Railways (e.g., functional alias, multi-talker feature)

4. Further enhancements to the existing architecture and procedures to support MC gateway UEs, e.g., migration, interconnection, support of multiple gateway UEs per service.

5. Specify the architecture and procedures to support the separation of the signalling and the media paths within an MC system.

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

**S6-231791 Study on enhanced application layer support for location service**

*Type: SID new For: Agreement  
 Source: CATT*

**Decision:** The document was **revised to S6-232069**.

**S6-232069 Study on enhanced application layer support for location service**

*Type: SID new For: Agreement  
 Source: CATT*

(Replaces S6-231791)

**Abstract:**

Objective

Based on the above analysis, the objectives of this study will include:

1. Identify the gaps between the service requirements for AF functionalities specified by SA2, new SA1 requirements, an enabler for the value-added location service, and the existing SEAL-LM architecture in the application layer.

2. Study SEAL-LM architectural enhancements mainly to support the following items based on the above gap analysis:

a) Further improve the LCS QoS, especially for location accuracy and latency, to meet the strict location requirements for different vertical applications, such as XR/Metaverse service, Auto driving, etc.

B) To utilize and realize the AF features/functionalities specified in TS 23.273 and TS 23.586 in SEAL-LM architecture.

i. Ranging/Sidelink Positioning service requests from AF

ii. Report of UE location data to AF via the user plane

iii. GNSS assistance data collection from AF

iv. Location exposure service requests from AF

c) Enabler for Value-Added Location Services, includes(not limited to):

i. Location information analysis

ii. Location Alerting

iii. History Trace request or playback

iv. Location format mapping

d) SA1 requirements related to location services:

i. Application enabler for Multi-SIM or Multi-USIM UE location services

3. Identify key issues based on objective 2 and develop the corresponding functional model and potential solutions.

**Discussion:**

CATT presented the S6-232069.

Qualcomm suggested changing bullet 2b to a note.

**Decision:** The document was **revised to S6-232216**.

**S6-232216 Study on enhanced application layer support for location service**

*Type: SID new For: Agreement  
 Source: CATT*

(Replaces S6-232069)

**Abstract:**

Objective

Based on the above analysis, the objectives of this study will include:

1. Identify the gaps between the service requirements for AF functionalities specified by SA2, new SA1 requirements, an enabler for the value-added location service, and the existing SEAL-LM architecture in the application layer.

2. Study SEAL-LM architectural enhancements mainly to support the following items based on the above gap analysis:

a) Further improve the LCS QoS, especially for location accuracy and latency, to meet the strict location requirements for different vertical applications.

b) To utilize the new AF features/functionalities specified in TS 23.273 and TS 23.586 in SEAL-LM architecture.

i. Ranging/Sidelink Positioning service requests to AF

ii. Report of UE location data to AF via the user plane

iii. GNSS assistance data collection to AF

iv. Location service requests exposure to AF

c) Enabler for Value-Added Location Services, includes(not limited to):

i. Location information analysis

ii. Location Alerting

iii. History Trace request or playback

iv. Location format mapping

d) New requirements related to location services:

i. Application enabler for Multi-SIM or Multi-USIM UE location services

3. Identify key issues based on objective 2 and develop the corresponding functional model and potential solutions.

**Discussion:**

CATT presented the S6-232216.

Qualcomm suggested deleting objective bullet b) and d).

Samsung suggested deleting reference to XR/Metaverse services.

The only changes are

- replacing the last but one paragraph in the justification "And the XR/Metaverse services, auto-driving and Factory of Future services also come up with the high accuracy positioning requests that the application layer for SEAL-LM should consider to meet. "

with

"Auto-driving and Factory of Future services also come up with the high accuracy positioning requests that the application layer for SEAL-LM should consider to meet.",

- deleting bullet b) and d) and

- removing changes on changes.

**Decision:** The document was **revised to S6-232224**.

**S6-232224 Study on enhanced application layer support for location service**

*Type: SID new For: Agreement  
 Source: CATT*

(Replaces S6-232216)

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

**S6-231792 DP about Enhanced application layer support for location services**

*Type: discussion For: Information  
 Source: CATT*

**Discussion:**

CATT presented the S6-231792.

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

**S6-231794 Study on application layer enablement for satellite-enabled IoT services**

*Type: SID new For: Agreement  
 Source: CATT*

**Abstract:**

Based on analysis, the objectives of this study will include:

1. Identify the requirements for application layer enabler platform/application framework to support satellite-enabled IoT services in EPS and 5GS.

2. Study application layer enabler architecture/functionalities to support the objective 1, may include:

a) Exposure of satellite access and backhaul information (e.g. bandwidth, latency, changes of the satellite coverage) initiated by application layer enabler.

B) Support for discontinuous satellite coverage.

i. Retrieval of satellite ephemeris from the NTN system, and provision of satellite ephemeris to UEs

ii. Expose satellite coverage availability information to application layer if needed.

Iii. Provision of the UE out-of-coverage period, Estimated Maximum Wait Time parameters, etc. to satellite-enabled IoT devices based on its geo-location.

C) Support for discontinuous feeder link.

i. Pre-configuration of S&F (Sore&Forward) data retention period and storage quota per UE basis for application layer enabler.

Ii. Collection of data storage status of each satellite.

Iii. Provision specific required QoS and policies for S&F (Sore&Forward) operation (e.g. forwarding priority, acknowledgment policy) for application layer enabler.

3. Identify key issues based on objective 2 and develop corresponding functional model and potential solutions.

NOTE: Enhancements to existing SA6 defined enablers (like SEAL, CAPIF) may be required.

**Discussion:**

CATT presented the document S6-231794.

It was noted that same comments as with S6-232067 applied.

**Decision:** The document was **revised to S6-232193**.

**S6-232193 Study on application layer enablement for satellite-enabled IoT services**

*Type: SID new For: Agreement  
 Source: CATT*

(Replaces S6-231794)

**Discussion:**

CATT presented the document S6-232193.

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

**S6-231795 DP about Enhanced application layer support for satellite-enabled IoT services**

*Type: discussion For: Information  
 Source: CATT*

**Discussion:**

CATT presented the document S6-231795.

It was noted the document inside the "zip" file carreid the wrong Tdoc number.

The only change is to correct the Tdoc number within the zip archive.

**Decision:** The document was **revised to S6-232002**.

**S6-232002 DP about Enhanced application layer support for satellite-enabled IoT services**

*Type: discussion For: Information  
 Source: CATT*

(Replaces S6-231795)

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

**S6-231928 New Study on application enablement for Satellite access enabled 5G Services**

*Type: discussion For: Discussion  
 Source: Samsung*

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

**S6-231929 New SID on application enablement for Satellite access enabled 5G Services**

*Type: SID new For: Agreement  
 Source: Samsung*

**Decision:** The document was **revised to S6-232067**.

**S6-232067 New SID on application enablement for Satellite access enabled 5G Services**

*Type: SID new For: Agreement  
 Source: Samsung*

(Replaces S6-231929)

**Discussion:**

Samsung presented the document S6-232067.

Several comments requested clarification on how the Satellite access imapacts the enabler/application layer.

Ericsson pointed out that the goal at a first instance was to do a study to also clarify possible impacts. Ericsson indicated they supported the antipated work.

CATT was of the view that the objective was too general and suggested clarifying use cases.

**Decision:** The document was **revised to S6-232192**.

**S6-232192 New SID on application enablement for Satellite access enabled 5G Services**

*Type: SID new For: Agreement  
 Source: Samsung*

(Replaces S6-232067)

**Abstract:**

Objective

The SA6 objectives of this study item include the following:

1. Identify the impacts and the necessary changes to the SA6 enabler specifications for supporting satellite access.

a) Identify the existing SA6 enablers that should be supported with satellite access

b) Develop common approach to support multiple services using satellite access for capabilities identified below (not exhaustive list):

i. Application Group spanning Users/UEs under terrestrial and non-terrestrial coverage i.e. with heterogeneous connectivity

ii. User/UE mobility across terrestrial and non-terrestrial coverage

iii. Handling the Application Latency difference between Users/UEs in terrestrial and non-terrestrial networks for better QoE and QoS

iv. AF influence in selection and establishment of suitable satellite access

v. Clearly and distinctly identify KPIs, issues, solutions, and conclusions when applicable to Mission Critical.

2. Review and identify the Satellite access integrated aspects (e.g. service continuity, roaming, federation, broadcast, multicast etc) to support SA6 enablers. Identify key issues and develop solutions to ensure support of satellite access to SA6 enablers.

3. Possible deployment models for SA6 enablers with satellite access integrated 5G System.

4. Enhancements from Rel-19 such as supporting store and forward, data transfer for IoT devices, UE-satellite-E phone call etc also need to at the enablement layer.

NOTE 1: For objective 4, SA6 can be dependent on progress and decisions made by SA2.

NOTE 2: Rel-19 Stage-1 work is in progress and can change. The justification will be updated accordingly.

**Discussion:**

Samsung presented the document S6-232192.

It was suggested update the supporting companies.

**Decision:** The document was **revised to S6-232225**.

**S6-232225 New SID on application enablement for Satellite access enabled 5G Services**

*Type: SID new For: Agreement  
 Source: Samsung*

(Replaces S6-232192)

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

**S6-231797 New SID on Application enabler for XR Services**

*Type: SID new For: Agreement  
 Source: China Mobile (Suzhou) Software*

**Decision:** The document was **revised to S6-232075**.

**S6-232075 New SID on Application enabler for XR Services**

*Type: SID new For: Agreement  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-231797)

**Abstract:**

Objective

To study how SA6 enablement layer can support the XR service to enhance the QoE of XR service, with the following objectives:

a. Identify architecture requirements and solutions for generic/specific architecture based on SEAL to support the XR;

b. Identify key issues, and solution recommendations to enable capabilities for XR service including:

• Support seamless XR streaming over 3GPP or non-3GPP devices (e.g., non-3GPP device connecting to the 5G network and non-3GPP device connecting to a UE with 5G network access), and including aspects of data pre-processing, or a virtual driver to enable seamless XR streaming, etc.;

• Split computing, principle of computing task/content splitting to enable split rendering, split modeling, etc.;

• Provisioning of associated XR Service information in the 5GC with the help of an enabler, such as Multi-modal Service ID provisioning;

• Information measurement, and exposure to the VAL (e.g. traffic periodicity etc.);

• Support for 3rd party policy provisioning and management to provide policy(ies) to the 5GC for flows associated with the XR service for information extraction and provisioning to the 5GC;

• Utilization of 3rd party provided policy(ies) for control of flows associated with an application (e.g., PDU/flows coordination, delay difference handling)

NOTE 1: Potential enhancement to transport layer may need to coordination with CT groups.

NOTE 2: Enhancements to existing SA6 defined enablers (e.g. SEAL, CAPIF, EDGEAPP) may be required.

**Discussion:**

China Mobile presented the document S6-232075.

Huawei and Convida Wireless indicated support for the proposed work.

Qualcomm and Samsung were of the view it was premature to agree to the proposed work during the present meeting.

**Decision:** The document was **revised to S6-232217**.

**S6-232217 New SID on Application enabler for XR Services**

*Type: SID new For: Agreement  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-232075)

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

**S6-231798 Discussion on Network enabler for XR service**

*Type: discussion For: Information  
 Source: China Mobile (Suzhou) Software*

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

**S6-231823 New SID on enhancements to analytics enablement service; Phase 2**

*Type: SID new For: Agreement  
 Source: Lenovo*

**Decision:** The document was **revised to S6-232210**.

**S6-232210 New SID on enhancements to analytics enablement service; Phase 2**

*Type: SID new For: Agreement  
 Source: Lenovo*

(Replaces S6-231823)

**Abstract:**

Objective

To study how to provide support for AI/ML services at application enablement layer. The objectives of the study are:

1) analyse Rel-18 and Rel-19 requirements in 3GPP TS 22.261 related to AI/ML model distribution, transfer, training and further identify key issues, develop corresponding architectural requirements and potential enhancements to the application layer architecture as required.

2) study the architecture implications when using AI/ML enabled ADAE services (for supporting AI/ML lifecycle operations including the training/inference/federated learning and data management aspects).

3) study enhancements of the data collection management framework to provide a generic model to be utilized across SA6 services, as well as providing enhancements for supporting digital twin - produced data.

NOTE: for data collection management framework, coordination with other WGs is expected.

4) identify potential solutions as required, including the information flows and the APIs satisfying the architectural requirements and enhancements identified in bullets 1), 2) and 3).

5) investigate possible impacts of application layer support for AI/ML services for different deployments and business models, including also interworking with non-3gpp systems.

**Discussion:**

Lenovo presented document S6-232210.

InterDigital, Samsung and ZTE indicated support for the proposed work.

**Decision:** The document was **revised to S6-232218**.

**S6-232218 New SID on enhancements to analytics enablement service; Phase 2**

*Type: SID new For: Agreement  
 Source: Lenovo*

(Replaces S6-232210)

**Discussion:**

Lenovo presented document S6-232218.

Qualcomm requested more time to evaluate the proposal.

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

**S6-231826 Input for SA6 Rel-19 planning**

*Type: discussion For: Endorsement  
 Source: Lenovo*

**Discussion:**

Lenovo presented document S6-231826.

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

**S6-231835 Discussion on sensing work in SA6**

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

**Decision:** The document was **revised to S6-231935**.

**S6-231935 Discussion on sensing work in SA6**

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

(Replaces S6-231835)

**Discussion:**

Huawei presented document S6-231935.

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

**S6-231836 New SID for study on Sensing enabler for vertical applications**

*Type: SID new For: Agreement  
 Source: Huawei, Hisilicon*

**Abstract:**

Objective

The objectives of the study of a sensing application enabler to support various vertical applications include:

1). Analyse the use cases and requirements of sensing services for different target verticals/applications.

2). Identify the existing functionalities/service API provided by the xAE/SEAL layer which are impacted by the sensing service.

3). Analyse the corresponding 5G sensing architecture enhancements from SA2.

4). Based on the above 1), 2), 3), develop key issues, corresponding architecture requirements and solution recommendations to enable the application layer support for the sensing services over 3GPP system considering the following aspects:

- How to provide the sensing service towards the application layer, define a new set of sensing based service API, or enhance the existing service API (if exist) with sensing options.

- How to integrate the 3GPP sensing result from 3GPP network, and data provided by non-3GPP sensors from application the layer domain, e.g., camera, LiDAR.

- How to achieve efficient sensing, e.g., aggregating requests and notifications.

- How to make use of history sensing result subject to user consent and regulations, to provide sensing service with higher accuracy.

NOTE: May use a generic data storage framework which is outside the scope of this SID objective.

**Discussion:**

Huawei presented document S6-231836.

A revision is prepared to include additional supporters.

**Decision:** The document was **revised to S6-232221**.

**S6-232221 New SID for study on Sensing enabler for vertical applications**

*Type: SID new For: Agreement  
 Source: Huawei, Hisilicon*

(Replaces S6-231836)

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

**S6-231863 FS\_AIMLapp - Application Enablers for AIML Services**

*Type: discussion For: Discussion  
 Source: Samsung*

**Discussion:**

Samsung presented document S6-231863.

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

**S6-231910 New SID on further enhancements on SEALDD**

*Type: SID new For: Agreement  
 Source: Huawei, Hisilicon*

**Abstract:**

Objective

The SID will study the potential enhancements for data delivery support, including:

- Study the enhancement of data delivery to support the XR and media service (e.g. identifying the media frame feature).

- Study the enhancement of data delivery to support the industrial application (e.g. determining the traffic characteristics for TSN/TSC service)

- Study the adaptive transport layer connection (e.g. transmission path or transmission parameter optimization)

- Study the lossless data delivery enhancement due to UE mobility (e.g. the connection management between SEALDD traffic and application traffic to ensure lossless transmission).

- Study the possible SEALDD architecture enhancement (e.g. the relationship with NRM server).

- Study the interaction of SEALDD-C interface between VAL client and SEALDD client.

**Discussion:**

Huawei presented document S6-231910.

Ericsson suggested clarifying objectives.

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

**S6-231911 Discussion about SEALDD ehancement work**

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

**Abstract:**

Proposal for Discussion about SEALDD ehancement work

**Discussion:**

Huawei presented the document S6-231911.

It was suggested to complete the presentation with some of the basic template information.

**Decision:** The document was **revised to S6-232003**.

**S6-232003 Discussion about SEALDD ehancement work**

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

(Replaces S6-231911)

**Discussion:**

Lenovo presented document S6-232003.

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

**S6-231692 SNAAPP\_EXT Guidelines for SNAAPP/RNAA**

*Type: discussion For: Information  
 Source: NTT DOCOMO INC.*

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

**S6-231892 New SID on further enhancements on SEALDD**

*Type: Work Plan For: Approval  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for New SID on further enhancements on SEALDD

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

**S6-231893 Discussion about SEALDD ehancement work**

*Type: Work Plan For: Discussion  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Discussion about SEALDD ehancement work

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

**S6-231945 MC\_ShAC presentation**

*Type: discussion For: discussion  
 Source: BDBOS*

**Decision:** The document was **revised to S6-232071**.

**S6-232071 MC\_ShAC presentation**

*Type: discussion For: discussion  
 Source: BDBOS*

(Replaces S6-231945)

**Discussion:**

BDBOS presented the document S6-232071.

Airbus indicated support for the anticipated work.

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

**S6-232066 Rel-19 Content definition approach**

*Type: discussion For: discussion  
 Source: SA6 leadership*

**Decision:** The document was **revised to S6-232226**.

**S6-232226 Rel-19 Content definition approach**

*Type: discussion For: discussion  
 Source: SA6 leadership*

(Replaces S6-232066)

**Discussion:**

It was noted that the list of supporting companies is not up to date.

**Decision:** The document was **not treated**.

**S6-232181 Enhanced Mission Critical architecture (enhMC)**

*Type: discussion For: discussion  
 Source: Motorola Solutions*

**Discussion:**

Motorola Solutions presented the document S6-232181.

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

**S6-232191 New WID on Enhanced Mission Critical Architecture for Rel-19**

*Type: WID new For: Agreement  
 Source: Motorola Solutions*

**Abstract:**

Objective

The objectives include:

1. Review and identify requirements from Stage 1, which are applicable to the MC services, and have yet to be fully supported by the MC functional architecture and information flows, including new capabilities and features. This includes support for items (a) through (g) in clause 3 - Justification.

2. Analyze the overall MC architecture to identify those architectural aspects that have not been fully specified.

3. For those architectural aspects identified in objectives (1) and (2):

- Specify the MC architectural requirements, procedures, information flows, and configuration parameters as needed.

- Where the underlying requirements support MCPTT solutions that are applicable to MCVideo or MCData, specify these solutions such that they can be applied to these other services.

This work item will build upon the stage 2 architecture developed for Release 18 and will provide for backward compatibility. Stage 2 architecture for MCPTT is contained both in 3GPP TS 23.280 and 3GPP TS 23.379.

**Discussion:**

Motorola Solutions presented the document S6-232191.

Huawei was of the view the objectives were very general.

Samsung indicated support for the proposed work.

It was suggested

- removing bullet e) from the justification (and renumber bullets),

- moving justification bullets to the objetives clause and

- suporting companies.

**Decision:** The document was **revised to S6-232220**.

**S6-232220 New WID on Enhanced Mission Critical Architecture for Rel-19**

*Type: WID new For: Agreement  
 Source: Motorola Solutions*

(Replaces S6-232191)

**Abstract:**

Objective

The objectives include:

1. Review and identify requirements from Stage 1, which are applicable to the MC services, and are yet to be fully supported by the MC functional architecture and information flows, including new capabilities and features. This includes support MC architecture that need to be further specified for below items (but are not limited to):

a. Enhancements related to MC Service Reliability improvements such as handling of bearer establishment failure for Group Calls;

b. Further work to complete temporary MCX User with Limited Service mode (An MC user can use an MCX UE without requiring to Login);

c. Discreet listening and logging for mission critical services;

d. Expand the message storage coverage to also MCPTT and MCVideo services;

e. Enhancements related to ongoing ETSI plug-tests and field tests for MC services;

f. Enhancements to the existing procedures or specify new procedures for all MC services to cover the gaps if any identified, and

g. Enhancements to support Broadband Callout Feature (A TETRA like mechanism to reliably alert personnel about incidents).

2. Analyze the overall MC architecture to identify those architectural aspects that have not been fully specified.

3. For those architectural aspects identified in objectives (1) and (2):

- Specify the MC architectural requirements, procedures, information flows, and configuration parameters as needed.

- Where the underlying requirements support MCPTT solutions that are applicable to MCVideo or MCData, specify these solutions such that they can be applied to these other services.

This work item will build upon the stage 2 architecture developed for Release 18 and will provide for backward compatibility. Stage 2 architecture for MCPTT is contained both in 3GPP TS 23.280 and 3GPP TS 23.379.

**Discussion:**

Motorola Solutions presented the document S6-232220.

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

**S6-232212 SA#100 Rel-19 Planning Input**

*Type: report For: discussion  
 Source: Chair*

**Agreed Rel-19 topics**

* MCShAC

eMMTelApp

5GMSG\_Ph3

EnhLocApp\_Ph2

EnhMC

Enh4FRMCS

**Endorsed Rel-19 topics**

* UASAPP\_Ph3
* Metaverse
* EDGEAPP\_Ph3
* Satellite
* XR
* Sensing (Subject to SA2 decision)
* AIMLApp

**Candidate Rel-19 topics**

* SNAAPP\_EXT
* FFAPP/DetNet
* SEALDD\_Ph2

Agreed = An SA6 SID or WID is sent to SA#100 for Approval

Endorsed = Proposed with at least the minimum number of supporting IMs with no conceptual objections, but no SID/WID agreed for input to SA#100 (Discussion ongoing)

Candidate = Proposals with no consensus, Discussion ongoing

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

## 11 Work Plan review

**S6-231655 SA6#55 Work Plan Review**

*Type: Work Plan For: Discussion  
 Source: SA6 Chair*

**Abstract:**

SA6#55 Work Plan Review please see: <https://www.3gpp.org/ftp/tsg_sa/WG6_MissionCritical/TSGS6_055_Berlin/Docs/S6-231655.zip>

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

**S6-231693 Presentation of Report to TSG: 3GPP TR 23.700-38**

*Type: TS or TR cover For: Approval  
 23.700-38 v1.3.0  
 Source: BDBOS*

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

**S6-231734 Presentation of TS 23.542 to TSG SA TS 23.542, version 0.4.0**

*Type: TS or TR cover For: Approval  
 23.542 v..  
 Source: SA6*

**Discussion:**

Lenovo presented the document S6-232083.

Only changes is adding "None" outstanding and contentious issues.

**Decision:** The document was **revised to S6-232222**.

**S6-232222 Presentation of TS 23.542 to TSG SA TS 23.542, version 0.4.0**

*Type: TS or TR cover For: Approval  
 23.542 v..  
 Source: SA6*

(Replaces S6-231734)

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

**S6-231809 Presentation of Specification/Report to TSG:TS 23.435, 1.3.0**

*Type: TS or TR cover For: Approval  
 23.435 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Discussion:**

China Mobile presented the document S6-231724.

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

**S6-231824 Presentation of TS 23.436 to TSG SA**

*Type: TS or TR cover For: Agreement  
 23.436 v1.1.0  
 Source: Lenovo*

**Decision:** The document was **revised to S6-232083**.

**S6-232083 Presentation of TS 23.436 to TSG SA**

*Type: TS or TR cover For: Approval  
 23.436 v1.1.0  
 Source: Lenovo*

(Replaces S6-231824)

**Discussion:**

Lenovo presented the document S6-232083.

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

## 12 Future meetings

Please see annex I.

## 13 AOB

## 14 Close of the meeting

Report prepared by: Editorial

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S6-231650 | SA6 Meeting 55 - Agenda | SA6 Chair | approved |  |  |
| S6-231651 | SA6 Meeting 54-e Report | MCC | approved |  |  |
| S6-231652 | SA6 Meeting #55 - Agenda with Tdocs allocation after submission deadline | SA6 Chair | noted |  |  |
| S6-231653 | SA6 Meeting #55 - Agenda with Tdocs allocation at start of the meeting | SA6 Chair | approved |  |  |
| S6-231654 | SA6 Meeting #55 - Chair's notes at end of the meeting | SA6 Chair | reserved |  |  |
| S6-231655 | SA6#55 Work Plan Review | SA6 Chair | noted |  |  |
| S6-231656 | LS reply-2 to 3GPP SA6 on Clarification of Edge Node Sharing | OPG | postponed |  |  |
| S6-231657 | Reply LS on 3GPP work on Energy Efficiency | CT1 | noted |  |  |
| S6-231658 | Reply LS on EAS ID interpretation | CT3 | noted |  |  |
| S6-231659 | Reply LS on 3GPP work on Energy Efficiency | CT3 | noted |  |  |
| S6-231660 | LS on clarifications on V2X, UAS and SEAL entities acting as EAS | CT3 | replied to |  |  |
| S6-231661 | LS on the triggering criteria for the VAL service area in the SS\_LocationReporting API | CT3 | postponed |  |  |
| S6-231662 | Reply to LS on AFId parameter value in EES invocation of Nnef\_UEId\_Get service | SA2 | noted |  |  |
| S6-231663 | Reply LS on Edge Configuration Server associated with or serves multiple PLMNs | SA2 | replied to |  |  |
| S6-231664 | Reply LS on the reuse of EVEX as specified in TS 26.531 | SA4 | replied to |  |  |
| S6-231665 | Reply LS on Alignment of SA3 security aspects for Personal IoT Networks | SA3 | replied to |  |  |
| S6-231666 | LS on initiation of new work item ITU-T Y.NGNe-CEE "Capability exposure enhancement in next generation network evolution (NGNe)" | ITU SG13 | postponed |  |  |
| S6-231667 | LS reply to GSMA on publication of GSMA OPG and OPAG documents | SA5 | noted |  |  |
| S6-231668 | LS on Reply LS on interface and exposure entities requirement for network slice management service | SA5 | noted |  |  |
| S6-231669 | What happens with unspecified IEs? | one2many B.V. | postponed |  |  |
| S6-231670 | Modification of security credentials IE | one2many | Agreed | S6-231173 |  |
| S6-231671 | Resolution of EN in 8.4.2 | one2many | Agreed |  |  |
| S6-231672 | Resolution of ENs in 8.5.x | one2many | revised |  | S6-231968 |
| S6-231673 | Corrections for ad hoc group call setup | Kontron Transportation France | revised |  | S6-231958 |
| S6-231674 | UE Identifier API call by EEC triggering EES notify EAS of UEID directly | AT&T | revised |  | S6-232012 |
| S6-231675 | Correct errors in the use of singular and plural forms in TS 23.280 | China Telecommunications | withdrawn |  |  |
| S6-231676 | Correct errors in the use of singular and plural forms in TS 23.280 | China Telecommunications | withdrawn | S6-231213 |  |
| S6-231677 | Correct errors in the use of singular and plural forms in TS 23.280 | China Telecommunications | withdrawn | S6-231213 |  |
| S6-231678 | Correct the errors in the use of singular and plural forms in TS 23.280 | China Telecom | agreed |  |  |
| S6-231679 | Remove the duplicate and extra words in the expression of TS 23.280. | China Telecom | agreed |  |  |
| S6-231680 | Distinguish S-EES and T-EES in configuration information | China Telecommunications | withdrawn |  |  |
| S6-231681 | Distinguish S-EES and T-EES in EDN configuration information | China Telecom | noted |  |  |
| S6-231682 | Modification to AC profile | China Telecom | revised |  | S6-232031 |
| S6-231683 | Clarification on the decision-making entity and execution entity | China Telecom | revised |  | S6-232020 |
| S6-231684 | Reply LS to 3GPP CT3 on EAS ID interpretation | ETSI ISG MEC | noted |  |  |
| S6-231685 | Corrections for ad hoc group data communication setup | Kontron Transportation France | revised |  | S6-231959 |
| S6-231686 | Group de-affiliation for specific UE | BDBOS | revised |  | S6-231949 |
| S6-231687 | Sharing of administrative configuration between interconnected MC service systems | BDBOS | revised |  | S6-232072 |
| S6-231688 | UASAPP follow-up for Rel-19 | InterDigital | noted |  |  |
| S6-231689 | New SID on further enhancements on Application Architecture for UAS applications | InterDigital | revised |  | S6-232089 |
| S6-231690 | Editorial\_corrections\_about\_A-ADRF | NTT DOCOMO INC. | approved |  |  |
| S6-231691 | Application groups entity relationships | Vodafone, Apple | revised | S6-231582 | S6-232097 |
| S6-231692 | SNAAPP\_EXT Guidelines for SNAAPP/RNAA | NTT DOCOMO INC. | withdrawn |  |  |
| S6-231693 | Presentation of Report to TSG: 3GPP TR 23.700-38 | BDBOS | approved |  |  |
| S6-231694 | Removal of Editor’s note under clause 7.2 and editorial fixes | BDBOS | approved |  |  |
| S6-231695 | EDGEAPP and ETSI MEC platform and AS aligned deployment | Apple Portugal | revised |  | S6-232158 |
| S6-231696 | MC gateway UE routing capabilities | BDBOS | revised |  | S6-231947 |
| S6-231697 | Addition of Call Release Reason code in the PES based Call Disconnect procedure | Motorola Solutions, UKHO | revised |  | S6-231950 |
| S6-231698 | FS\_MetaApp: R19 proposal and Discussion paper | Samsung | noted |  |  |
| S6-231699 | New SID on application enablement for Localized Mobile Metaverse Services | Samsung | revised |  | S6-232068 |
| S6-231700 | Syncing Criteria changes with 23.379 | AT&T, FirstNet, Ericsson, Nokia, Nokia Shanghai Bell | revised |  | S6-231953 |
| S6-231701 | Reference corrections in 10.6.3.3.2 | at&t | revised |  | S6-231951 |
| S6-231702 | Procedures and APIs for Network Slice Information delivery | Samsung | revised |  | S6-232094 |
| S6-231703 | EEC Triggering execution for Service Provisioning | Samsung | revised |  | S6-232009 |
| S6-231704 | SNAAPP\_EXT Guidelines for SNAAPP/RNAA | NTT DOCOMO | noted |  |  |
| S6-231705 | Rel-19 proposal for EDGEAPP\_Ph3 | Samsung | noted |  |  |
| S6-231706 | EEC Triggering execution | Samsung | revised |  | S6-232010 |
| S6-231707 | ACR for Bundle and Composite EAS | Samsung | revised | S6-231498 | S6-232175 |
| S6-231708 | Application Group Profile EN resolution proposal | Apple Portugal | revised |  | S6-232099 |
| S6-231709 | Clarification Application Group ID definition | Apple Portugal | revised |  | S6-232101 |
| S6-231710 | Correct MCVideo ad hoc group call information tables | at&t | revised |  | S6-231979 |
| S6-231711 | Correct MCData ID usage in some information flow tables | at&t | revised |  | S6-231952 |
| S6-231712 | MCData ad hoc group ID correction | at&t | revised |  | S6-231980 |
| S6-231713 | Remove unnecessary information flow tables | at&t | revised |  | S6-231981 |
| S6-231714 | Correct MCPTT ID usage in some information flow tables | at&t | revised |  | S6-231982 |
| S6-231715 | MCPTT group ID correction | at&t | revised |  | S6-231983 |
| S6-231716 | Remove unnecessary information flow tables | at&t | revised |  | S6-231984 |
| S6-231717 | Alignment of terminologies for the ECSP management system | ETRI, Uangel | revised |  | S6-232004 |
| S6-231718 | Handling instantiation-in-progress status at the EAS discovery subscription procedure | ETRI, Uangel | revised |  | S6-232104 |
| S6-231719 | Moving alignment Annex from TS to external TR | Intel Technology India Pvt Ltd., Nokia | revised | S6-231507 | S6-232157 |
| S6-231720 | Interfaces Alignment - EDGEAPP & ETSI MEC | Intel, Apple, China Mobile | revised | S6-231503 | S6-232159 |
| S6-231721 | Deployment Options for EDGEAPP and ETSI MEC | Intel | merged | S6-231504 | S6-232176 |
| S6-231722 | Contributions for external TR | Intel, Apple, China Mobile, Nokia, Nokia Shanghai Bell | noted | S6-231505 |  |
| S6-231723 | Moving alignment Annex from TS to external TR | Intel | revised | S6-231506 | S6-232160 |
| S6-231724 | Revised WID Application layer support for Factories of the Future | ZTE Corporation | noted |  |  |
| S6-231725 | FS\_FFAPP2 R19 proposal and Discussion paper | ZTE Corporation | noted |  |  |
| S6-231726 | SID Study on application layer support for Factories of the Future phase2 | ZTE Corporation | revised |  | S6-232196 |
| S6-231727 | TR FS FFAPP2 skeleton | ZTE Corporation | postponed |  |  |
| S6-231728 | Authorization information delivery to PINE | vivo | not pursued |  |  |
| S6-231729 | Gateway capability and PEGC determination during PIN create | vivo | revised |  | S6-232054 |
| S6-231730 | PEGC operation related to PDU Session for PIN | vivo | not pursued |  | - |
| S6-231731 | PIN-9 API | vivo | revised |  | S6-232055 |
| S6-231732 | Add routing management and Access control in PIN profile for PEGC | vivo | revised |  | S6-232056 |
| S6-231733 | Support communication between PIN enabler layer | vivo | revised |  | S6-232057 |
| S6-231734 | Presentation of TS 23.542 to TSG SA TS 23.542, version 0.4.0 | SA6 | revised |  | S6-232222 |
| S6-231735 | Provision ECAI together with PLMN ID to 5GC | vivo | revised |  | S6-232019 |
| S6-231736 | LS reply on Edge Configuration Server associated with or serves multiple PLMNs | vivo | revised |  | S6-231941 |
| S6-231737 | EEC Triggering setup for EAS discovery | Samsung | revised |  | S6-232011 |
| S6-231738 | EDGEAPP follow-up for Rel-19 | InterDigital | noted |  |  |
| S6-231739 | New SID on further enhancements of the Edge Enablement Layer | InterDigital | withdrawn |  |  |
| S6-231740 | ACR Parameter Information procedure clarification | InterDigital | agreed |  | - |
| S6-231741 | Common EAS discovery | InterDigital [Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone] | revised | S6-231648 | S6-232102 |
| S6-231742 | DNS resolution of CAS | InterDigital | merged |  | S6-232170 |
| S6-231743 | Support for ACR between EAS and CAS | InterDigital | revised |  | S6-232026 |
| S6-231744 | Corrections to ACR management event notification | InterDigital | revised |  | S6-232021 |
| S6-231745 | Pseudo-CR on various table corrections | InterDigital | approved |  |  |
| S6-231746 | Pseudo-CR on various figure corrections | InterDigital | approved |  |  |
| S6-231747 | Pseudo-CR on Removal of API clauses | InterDigital | not pursued |  |  |
| S6-231748 | Pseudo-CR on PIN Management PEGC discovery information flows | InterDigital | approved |  |  |
| S6-231749 | Pseudo-CR on PIN Application KPIs | InterDigital | approved |  |  |
| S6-231750 | Pseudo-CR on General clauses | InterDigital | revised |  | S6-232058 |
| S6-231751 | Pseudo-CR on removing EN on PIN-5 | InterDigital | revised |  | S6-232059 |
| S6-231752 | Pseudo-CR on editorial corrections | InterDigital | revised |  | S6-232060 |
| S6-231753 | R19 SID WID proposals\_Service aspects for supporting the eMMTel Service | China Mobile Com. Corporation | noted |  |  |
| S6-231754 | Reply LS on Alignment of SA3 security aspects for Personal IoT Networks | InterDigital | revised |  | S6-231942 |
| S6-231755 | Study on Service aspects for supporting the eMMTel Service | China Mobile Com. Corporation | revised |  | S6-232073 |
| S6-231756 | R19 SID WID proposals\_WID on support of the 5GMSG Service phase 3 | China Mobile Com. Corporation | noted |  |  |
| S6-231757 | WID on support of the 5GMSG Service phase 3 | China Mobile Com. Corporation | revised |  | S6-232074 |
| S6-231758 | some correction on identities | China Mobile | revised |  | S6-231969 |
| S6-231759 | update of 8.2.7 MSGin5G UE bulk registration based on constrained UE related architecture | China Mobile | agreed |  |  |
| S6-231760 | update of clause 8.2.8 | China Mobile | revised |  | S6-231970 |
| S6-231761 | update of clause 8.2.9 and 8.2.10 for Non-MSGin5G UE bulk (de)registration | China Mobile | revised |  | S6-231971 |
| S6-231762 | update of clause 8.2.11 MSGin5G UE bulk de-registration | China Mobile | revised |  | S6-231972 |
| S6-231763 | update of clause 8.11.1 | China Mobile | revised |  | S6-231973 |
| S6-231764 | update of Application Client (de-)registration using MSGin5G Client | China Mobile | revised |  | S6-231974 |
| S6-231765 | update of Application Client sending and receiving message using MSGin5G Client | China Mobile | revised |  | S6-231975 |
| S6-231766 | EASID definition update | AT&T | revised |  | S6-232006 |
| S6-231767 | Example of MCData services which are not handled by SIP core | Ericsson, Kontron Transportation France | revised | S6-231347 | S6-231937 |
| S6-231768 | Ad hoc group emergency alert between multiple MC systems | Ericsson, AT&T, Nokia, Nokia Shanghai Bell | revised | S6-231526 | S6-231960 |
| S6-231769 | Addressing EN related to implicit affiliation to ad hoc group alert participants | Ericsson | revised |  | S6-231961 |
| S6-231770 | Addressing EN related to user configuration for ad hoc MCPTT communication | Ericsson | revised |  | S6-231962 |
| S6-231771 | Addressing EN related to user configuration for ad hoc MCVideo communication | Ericsson | agreed |  |  |
| S6-231772 | User regroup MC service ID list update | Ericsson | revised |  | S6-231954 |
| S6-231773 | Updating private call using FA | Ericsson | revised |  | S6-231957 |
| S6-231774 | S6-SEALDD\_Add the archirtecture requirements | China Mobile | revised |  | S6-232041 |
| S6-231775 | Information element alignment for ECS discovery | NTT DOCOMO | agreed |  | S6-232110 |
| S6-231776 | Revision of agreed EDGEAPP\_Ph2 CR S6-231625 | NTT DOCOMO | noted |  |  |
| S6-231777 | Information flows - Federation and roaming | NTT DOCOMO | revised | S6-231625 | S6-232111 |
| S6-231778 | EESID correction | NTT DOCOMO | not pursued |  | - |
| S6-231779 | Use of ECS profile instead of ECS configuration information | NTT DOCOMO | agreed |  |  |
| S6-231780 | Service continuity for EAS composition | NTT DOCOMO | revised |  | S6-232123 |
| S6-231781 | Enhancements for EAS synchronization | NTT DOCOMO | revised |  | S6-232108 |
| S6-231782 | Clarification that RNAA is for both 4G and 5G | NTT DOCOMO | agreed |  |  |
| S6-231783 | SNAAPP alignment with SA3 | NTT DOCOMO | revised |  | S6-232036 |
| S6-231784 | Overview of CAPIF operations for RNAA scenarios | NTT DOCOMO | revised |  | S6-232084 |
| S6-231785 | Target KMS URI for a migrated MC service user | Nokia, Nokia Shanghai Bell, Ericsson, AT&T, Kontron Transportation France, Airbus | postponed | S6-231509 |  |
| S6-231786 | Update reference for location access type | CATT | agreed |  |  |
| S6-231787 | Update Annex D | CATT | agreed |  |  |
| S6-231788 | Railways specific Enhancements to Mission Critical Services | Nokia, Nokia Shanghai Bell | revised |  | S6-232070 |
| S6-231789 | Add SEAL-3P reference point | CATT | revised |  | S6-232034 |
| S6-231790 | Editorial change for Location area monitoring unsubscribe response | CATT | revised |  | S6-232035 |
| S6-231791 | Study on enhanced application layer support for location service | CATT | revised |  | S6-232069 |
| S6-231792 | DP about Enhanced application layer support for location services | CATT | noted |  |  |
| S6-231793 | SA6 Rel-19 Railways (FRMCS) | UIC, Kontron, Nokia, Ericsson | noted |  |  |
| S6-231794 | Study on application layer enablement for satellite-enabled IoT services | CATT | revised |  | S6-232193 |
| S6-231795 | DP about Enhanced application layer support for satellite-enabled IoT services | CATT | revised |  | S6-232002 |
| S6-231796 | Updates adhoc group call procedures for allowing a subsequent MCPTT call after an adhoc group emergency alert | Nokia, Nokia Shanghai Bell | revised |  | S6-231963 |
| S6-231797 | New SID on Application enabler for XR Services | China Mobile (Suzhou) Software | revised |  | S6-232075 |
| S6-231798 | Discussion on Network enabler for XR service | China Mobile (Suzhou) Software | noted |  |  |
| S6-231799 | Add overview for new services | China Mobile (Suzhou) Software | revised |  | S6-232092 |
| S6-231800 | Update the NSCE-E | China Mobile (Suzhou) Software | approved |  |  |
| S6-231801 | Additional information in registration request to Solve the EN in 9.2 | China Mobile (Suzhou) Software | not pursued |  | S6-232077 |
| S6-231802 | Clean up and solve the EN of 9.5 | China Mobile (Suzhou) Software | approved |  |  |
| S6-231803 | Solve the EN of 9.6 | China Mobile (Suzhou) Software | approved |  |  |
| S6-231804 | clean up and solve the EN of 9.7 | China Mobile (Suzhou) Software | revised |  | S6-232093 |
| S6-231805 | Solve the EN of 9.8 | China Mobile (Suzhou) Software | approved |  | - |
| S6-231806 | Solve the EN of 9.11 | China Mobile (Suzhou) Software | approved |  |  |
| S6-231807 | Add information elements for the Slice Information delivery to NSCE client | China Mobile (Suzhou) Software | revised |  | S6-232095 |
| S6-231808 | update and add information elements for Network Slice Allocation | China Mobile (Suzhou) Software | revised |  | S6-232096 |
| S6-231809 | Presentation of Specification/Report to TSG:TS 23.435, 1.3.0 | China Mobile (Suzhou) Software | approved |  |  |
| S6-231810 | Updates adhoc group call procedures for allowing a subsequent MCVideo call after an adhoc group emergency alert | Nokia, Nokia Shanghai Bell | revised |  | S6-231964 |
| S6-231811 | Updates adhoc group call procedures for allowing a subsequent MCData communication after an adhoc group emergency alert | Nokia, Nokia Shanghai Bell | revised |  | S6-231965 |
| S6-231812 | Corrections to Ad hoc group emergency alert request information flow | Samsung | revised |  | S6-231986 |
| S6-231813 | MSGin5G Message Delivery to MSGin5G UE discussion | AT&T | revised |  | S6-231976 |
| S6-231814 | Corrections to preconfigured regroup request information flow | Samsung | revised |  | S6-231955 |
| S6-231815 | Moving emergency alert information flow under emergency alert section | Samsung | revised |  | S6-231956 |
| S6-231816 | Clarify procedures in clause 8.3 with corrections | at&t, China Mobile | revised |  | S6-231978 |
| S6-231817 | Corrections to ad hoc group call setup procedure involving multiple MC system | Samsung | agreed |  |  |
| S6-231818 | Clarify when the MSGin5G device triggering procedure can be used | at&t, China Mobile | revised |  | S6-231967 |
| S6-231819 | Corrections to ad hoc group call setup procedure involving multiple MC system | Samsung R&D Institute India | withdrawn |  |  |
| S6-231820 | New Annex for Message Delivery Flow | at&t, China Mobile | revised |  | S6-231977 |
| S6-231821 | Information flows and procedures to support ad hoc group standalone short data service using signalling control plane | Samsung | not pursued |  | S6-231966 |
| S6-231822 | Corrections to ad hoc group call setup procedure involving multiple MC system | Samsung | agreed |  |  |
| S6-231823 | New SID on enhancements to analytics enablement service; Phase 2 | Lenovo | revised |  | S6-232210 |
| S6-231824 | Presentation of TS 23.436 to TSG SA | Lenovo | revised |  | S6-232083 |
| S6-231825 | Support for C2 direct mode availability reporting | Lenovo | revised | S6-231487 | S6-232090 |
| S6-231826 | Input for SA6 Rel-19 planning | Lenovo | noted |  |  |
| S6-231827 | CAPIF add service procedure for update of subscriptions | Nokia, Nokia Shanghai Bell | revised |  | S6-231936 |
| S6-231828 | pCR on resolving EN in 9.6.2 | Lenovo | withdrawn |  |  |
| S6-231829 | Correction of the GW-local and GW-core interface | Huawei, Hisilicon, | agreed |  |  |
| S6-231830 | Clarification on connection authorisation of an MC gateway client hosted by an MC gateway UE | Huawei, Hisilicon | noted |  |  |
| S6-231831 | Update the information flows related with GWUE procedures | Huawei, Hisilicon | noted |  | S6-231948 |
| S6-231832 | Revoking notification to other AEFs | Huawei, Hisilicon | revised | S6-231577 | S6-232088 |
| S6-231833 | Discussion on introducing 5G Socket APIs at NRM | Huawei, Hisilicon | revised |  | S6-231934 |
| S6-231834 | NRM support socket operation | Huawei, Hisilicon | revised | S6-231549 | S6-231946 |
| S6-231835 | Discussion on sensing work in SA6 | Huawei, Hisilicon | revised |  | S6-231935 |
| S6-231836 | New SID for study on Sensing enabler for vertical applications | Huawei, Hisilicon | revised |  | S6-232221 |
| S6-231837 | Clarification of VAL service area ID based triggering criteria | Samsung | postponed |  | S6-232038 |
| S6-231838 | Reply LS on the triggering criteria for the VAL service area in the SS\_LocationReporting API | Samsung | postponed |  | S6-231940 |
| S6-231839 | Discussion on AC registration's usefulness | Qualcomm | noted |  |  |
| S6-231840 | Removing AC registration | Qualcomm | revised | S6-231349 | S6-232082 |
| S6-231841 | Details of EAS information | Qualcomm | revised |  | S6-232018 |
| S6-231842 | EDGE-5 APIs | Qualcomm | not pursued |  |  |
| S6-231843 | Discussion on EAS bundles | Qualcomm | noted |  |  |
| S6-231844 | EAS bundle types and bundle requirements | Qualcomm | revised | S6-231480 | S6-232118 |
| S6-231845 | ACR for EAS bundles | Qualcomm | not pursued |  |  |
| S6-231846 | Few minor essential corrections | Samsung | revised |  | S6-232061 |
| S6-231847 | Common EAS discovery | Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone | revised | S6-231648 | S6-232098 |
| S6-231848 | Bundle EAS ACR within the same DNAI for S-EES executed ACR | Huawei, Hisilicon, Hytera, CMCC | revised |  | S6-232124 |
| S6-231849 | EAS instantiation considering different ACR type | Huawei, Hisilicon, | revised |  | S6-232105 |
| S6-231850 | Fix the in-consistency for the service continuity support | Huawei, Hisilicon, Hytera, | revised |  | S6-232005 |
| S6-231851 | Fix the misalignment on UE ID API request | Huawei, Hisilicon | revised |  | S6-232016 |
| S6-231852 | Remove the Edge-7 aspect in UE ID API procedure | Huawei, Hisilicon | not pursued |  |  |
| S6-231853 | Resolve EN in bundle EAS information | Huawei, Hisilicon, Hytera | revised |  | S6-232120 |
| S6-231854 | T-EES discovery enhancement for composite EAS | Huawei, Hisilicon, Hytera, | revised |  | S6-232125 |
| S6-231855 | Discussion on bundle EAS and composite EAS | Huawei, Hisilicon | noted |  |  |
| S6-231856 | EDGEAPP and ETSI MEC aligned deployment | Huawei, Hisilicon | merged |  | S6-232176 |
| S6-231857 | EDGEAPP and ETSI MEC registration alignment | Huawei, Hisilicon | merged |  | S6-232159 |
| S6-231858 | fix the in-consistency on SEALDD enabled regular data transmission connection establishment | Huawei, Hisilicon | revised |  | S6-232042 |
| S6-231859 | fix the in-consistency on signalling transmission connection establishment procedure | Huawei, Hisilicon | revised |  | S6-232043 |
| S6-231860 | MEC and EDGEAPP deployments in relation with CAPIF | Nokia, Nokia Shanghai Bell | revised |  | S6-232161 |
| S6-231861 | Corrections to PIN discovery procedures | Samsung | approved |  |  |
| S6-231862 | VAE client enabled V2P communication schedule configuration | Lenovo | agreed |  |  |
| S6-231863 | FS\_AIMLapp - Application Enablers for AIML Services | Samsung | noted |  |  |
| S6-231864 | Pseudo-CR on activation and deactivation of PIN | Samsung | revised | S6-231238 | S6-232062 |
| S6-231865 | Reply LS on clarifications on V2X, UAS and SEAL entities acting as EAS | SA6 | revised |  | S6-231939 |
| S6-231866 | Clarify non-3GPP access | Ericsson | revised |  | S6-232033 |
| S6-231867 | ACR for EAS bundle | Ericsson | revised |  | S6-232121 |
| S6-231868 | Service continuity in ENS via leading ECSP | Ericsson | revised |  | S6-232113 |
| S6-231869 | EAS synchronization | Ericsson | revised |  | S6-232109 |
| S6-231870 | Edge performance prediction | Ericsson | revised |  | S6-232107 |
| S6-231871 | IE table update for ENS | Ericsson | agreed |  |  |
| S6-231872 | Interaction with CR in common EAS discovery | Ericsson | revised |  | S6-232103 |
| S6-231873 | Selected EES declaration | Ericsson | revised |  | S6-232027 |
| S6-231874 | SEALDD connection alignment | Ericsson | revised |  | S6-232044 |
| S6-231875 | Service API status monitoring | Ericsson | revised | S6-231369 | S6-232039 |
| S6-231876 | More procedures with CES | Ericsson | revised | S6-231631 | S6-232028 |
| S6-231877 | Connection mapping between SEALDD-UU and SEALDD-S | Huawei, Hisilicon | revised |  | S6-232045 |
| S6-231878 | Complete the SEALDD server discovery and selection procedure | Huawei, Hisilicon | revised |  | S6-232046 |
| S6-231879 | Clarification and correction for SEALDD transmission policy | Huawei, Hisilicon | revised |  | S6-232047 |
| S6-231880 | Solve EN about the relationship between SEALDD server and NRM server | Huawei, Hisilicon | revised |  | S6-232048 |
| S6-231881 | Solve EN in SEALDD architecture part | Huawei, Hisilicon | approved |  |  |
| S6-231882 | Clarification and alignment for regular connection establishment procedure | Huawei, Hisilicon | approved |  |  |
| S6-231883 | Clean ENs in transmission guarantee procedure | Huawei, Hisilicon | revised |  | S6-232178 |
| S6-231884 | Alignment and completion on SEALDD context | Huawei, Hisilicon | revised |  | S6-232049 |
| S6-231885 | Connection establishment between SEALDD servers | Huawei, Hisilicon | revised |  | S6-232050 |
| S6-231886 | Align SA2 progress about ECN marking | Huawei, Hisilicon | revised |  | S6-232063 |
| S6-231887 | Add the pull operation for SEALDD context transfer | Huawei, Hisilicon | revised |  | S6-232051 |
| S6-231888 | Solve ENs in tranmission quality measurement procedure | Huawei, Hisilicon | revised |  | S6-232052 |
| S6-231889 | Solve EN about connection management between SEALDD traffic and application traffic | Huawei, Hisilicon | revised |  | S6-232053 |
| S6-231890 | Correction and alignment for EAS instantiation status | Huawei, Hisilicon | revised |  | S6-232106 |
| S6-231891 | Ability details of handling bundled EAS ACR | Huawei, Hisilicon | revised |  | S6-232122 |
| S6-231892 | New SID on further enhancements on SEALDD | Huawei, Hisilicon | withdrawn |  |  |
| S6-231893 | Discussion about SEALDD ehancement work | Huawei, Hisilicon | withdrawn |  |  |
| S6-231894 | Resolving SA3 dependent ENs | Samsung | revised |  | S6-232007 |
| S6-231895 | Resolving EN related to possible deployment models of the ECS | Samsung | agreed |  |  |
| S6-231896 | Resolving EN about updating EEC Context with EDGE-3 subscriptions | Samsung | agreed |  |  |
| S6-231897 | Resolving EN related to redirection | Samsung | revised |  | S6-232112 |
| S6-231898 | Resolving EN on constrained device identification | Samsung | agreed |  |  |
| S6-231899 | Resolving EN related to wait for current ACR to complete | Samsung | postponed |  | S6-232022 |
| S6-231900 | Resolving EN related to service continuity planning indication | Samsung | not pursued |  | S6-232023 |
| S6-231901 | Resolving EN related to ACR | Samsung | revised |  | S6-232024 |
| S6-231902 | Resolving SA5 dependent EN | Samsung | postponed |  | S6-232008 |
| S6-231903 | Reliable Edge Computing | Samsung | not pursued | S6-231540 |  |
| S6-231904 | ENS – IE tables updates | Samsung | revised | S6-231541 | S6-232114 |
| S6-231905 | Edge Node Sharing solution | Samsung | not pursued | S6-231542 | S6-232115 |
| S6-231906 | VAL server provisioning for Key Management Server | Samsung | agreed | S6-231307 |  |
| S6-231907 | Enhancement to service experience support | Samsung | revised | S6-231308 | S6-232085 |
| S6-231908 | Reply LS on the reuse of EVEX as specified in TS 26.531 | Samsung | revised |  | S6-231938 |
| S6-231909 | Corrections to the PIN registration procedures | Samsung | approved |  |  |
| S6-231910 | New SID on further enhancements on SEALDD | Huawei, Hisilicon | postponed |  |  |
| S6-231911 | Discussion about SEALDD ehancement work | Huawei, Hisilicon | revised |  | S6-232003 |
| S6-231912 | De-registration and update registration procedures | Samsung | approved |  |  |
| S6-231913 | Pseudo CR on corrections to PIN Management procedures | Samsung | approved |  |  |
| S6-231914 | Pseudo-CR on PIN server discovery procedures | Samsung | approved |  |  |
| S6-231915 | Alignment among CAPIF provider (trust) domains | Nokia, Nokia Shanghai Bell | revised |  | S6-232087 |
| S6-231916 | SEAL NRM determines time synchronization activation for TSC stream | Ericsson Telecomunicazioni SpA | revised |  | S6-232040 |
| S6-231917 | CAS decided ACR scenario via old S-EES for CESless architecture | KPN N.V. | revised |  | S6-232029 |
| S6-231918 | CAS decided ACR scenario via service provisioning triggering for CESless architecture | KPN N.V. | not pursued | S6-231468 |  |
| S6-231919 | EEC subscribing to SEAL notification service and requesting UE ID in ACR to CAS | KPN N.V. | agreed |  |  |
| S6-231920 | AC information exposure update and correction | Convida Wireless LLC | revised |  | S6-232126 |
| S6-231921 | TR 23.700-97 General clean-up | Convida Wireless | agreed |  |  |
| S6-231922 | Resolving the ENs related to retrieve EES procedure | Samsung | revised |  | S6-232100 |
| S6-231923 | SEALDD action guarantee update | Convida Wireless LLC | merged |  | S6-231883 |
| S6-231924 | Resolving EN in ACR to Cloud | Samsung | revised |  | S6-232030 |
| S6-231925 | Edge analytics update | Convida Wireless LLC | revised |  | S6-232091 |
| S6-231926 | EES specfic UE ID | KPN | not pursued | S6-231635 | - |
| S6-231927 | PIN role IE | Convida Wireless LLC | approved |  |  |
| S6-231928 | New Study on application enablement for Satellite access enabled 5G Services | Samsung | noted |  |  |
| S6-231929 | New SID on application enablement for Satellite access enabled 5G Services | Samsung | revised |  | S6-232067 |
| S6-231930 | Options for CAS to EAS ACR for CESless Architecture | KPN N.V. | noted |  |  |
| S6-231931 | Reply on 3GPP TR 23.700-98 V1.2.0 Analysis | OPAG | replied to |  |  |
| S6-231932 | LS on 3GPP work on Energy Efficiency | SA5 | noted |  |  |
| S6-231933 | Alignment of activities on UE data collection reporting and event exposure | SA | noted |  |  |
| S6-231934 | Discussion on introducing 5G Socket APIs at NRM | Huawei, Hisilicon | noted | S6-231833 |  |
| S6-231935 | Discussion on sensing work in SA6 | Huawei, Hisilicon | noted | S6-231835 |  |
| S6-231936 | CAPIF add service procedure for update of subscriptions | Nokia, Nokia Shanghai Bell | revised | S6-231827 | S6-232086 |
| S6-231937 | Example of MCData services which are not handled by SIP core | Ericsson, Kontron Transportation France | revised | S6-231767 | S6-231985 |
| S6-231938 | Reply LS on the reuse of EVEX as specified in TS 26.531 | Samsung | revised | S6-231908 | S6-232001 |
| S6-231939 | Reply LS on clarifications on V2X, UAS and SEAL entities acting as EAS | SA6 | approved | S6-231865 | - |
| S6-231940 | Reply LS on the triggering criteria for the VAL service area in the SS\_LocationReporting API | Samsung | withdrawn | S6-231838 | - |
| S6-231941 | LS reply on Edge Configuration Server associated with or serves multiple PLMNs | vivo | revised | S6-231736 | S6-231999 |
| S6-231942 | Reply LS on Alignment of SA3 security aspects for Personal IoT Networks | InterDigital | revised | S6-231754 | S6-232076 |
| S6-231943 | LS to GSMA on publication of GSMA OPG and OPAG documents | Huawei | revised | - | S6-232000 |
| S6-231944 | LS on Reply LS on 3GPP TR 23.700-98 V1.2.0 Analysis | Samsung | revised | - | S6-232127 |
| S6-231945 | MC\_ShAC presentation | BDBOS | revised | - | S6-232071 |
| S6-231946 | NRM support socket operation | Huawei, Hisilicon | revised | S6-231834 | S6-232037 |
| S6-231947 | MC gateway UE routing capabilities | BDBOS | agreed | S6-231696 | - |
| S6-231948 | Update the information flows related with GWUE procedures | Huawei, Hisilicon | withdrawn | S6-231831 | - |
| S6-231949 | Group de-affiliation for specific UE | BDBOS | revised | S6-231686 | S6-231987 |
| S6-231950 | Addition of Call Release Reason code in the PES based Call Disconnect procedure | Motorola Solutions, UKHO | revised | S6-231697 | S6-231989 |
| S6-231951 | Reference corrections in 10.6.3.3.2 | at&t | agreed | S6-231701 | - |
| S6-231952 | Correct MCData ID usage in some information flow tables | at&t | revised | S6-231711 | S6-231994 |
| S6-231953 | Syncing Criteria changes with 23.379 | AT&T, FirstNet, Ericsson, Nokia, Nokia Shanghai Bell | agreed | S6-231700 | - |
| S6-231954 | User regroup MC service ID list update | Ericsson | agreed | S6-231772 | - |
| S6-231955 | Corrections to preconfigured regroup request information flow | Samsung | agreed | S6-231814 | - |
| S6-231956 | Moving emergency alert information flow under emergency alert section | Samsung | agreed | S6-231815 | - |
| S6-231957 | Updating private call using FA | Ericsson | agreed | S6-231773 | - |
| S6-231958 | Corrections for ad hoc group call setup | Kontron Transportation France | revised | S6-231673 | S6-231995 |
| S6-231959 | Corrections for ad hoc group data communication setup | Kontron Transportation France | revised | S6-231685 | S6-231996 |
| S6-231960 | Ad hoc group emergency alert between multiple MC systems | Ericsson, AT&T, Nokia, Nokia Shanghai Bell | revised | S6-231768 | S6-232064 |
| S6-231961 | Addressing EN related to implicit affiliation to ad hoc group alert participants | Ericsson | revised | S6-231769 | S6-231997 |
| S6-231962 | Addressing EN related to user configuration for ad hoc MCPTT communication | Ericsson | agreed | S6-231770 | - |
| S6-231963 | Updates adhoc group call procedures for allowing a subsequent MCPTT call after an adhoc group emergency alert | Nokia, Nokia Shanghai Bell | agreed | S6-231796 | - |
| S6-231964 | Updates adhoc group call procedures for allowing a subsequent MCVideo call after an adhoc group emergency alert | Nokia, Nokia Shanghai Bell | agreed | S6-231810 | - |
| S6-231965 | Updates adhoc group call procedures for allowing a subsequent MCData communication after an adhoc group emergency alert | Nokia, Nokia Shanghai Bell | agreed | S6-231811 | - |
| S6-231966 | Information flows and procedures to support ad hoc group standalone short data service using signalling control plane | Samsung | withdrawn | S6-231821 | - |
| S6-231967 | Clarify when the MSGin5G device triggering procedure can be used | at&t, China Mobile | noted | S6-231818 | - |
| S6-231968 | Resolution of ENs in 8.5.x | one2many | revised | S6-231672 | S6-231988 |
| S6-231969 | some correction on identities | China Mobile | agreed | S6-231758 | - |
| S6-231970 | update of clause 8.2.8 | China Mobile | revised | S6-231760 | S6-231998 |
| S6-231971 | update of clause 8.2.9 and 8.2.10 for Non-MSGin5G UE bulk (de)registration | China Mobile | agreed | S6-231761 | - |
| S6-231972 | update of clause 8.2.11 MSGin5G UE bulk de-registration | China Mobile | agreed | S6-231762 | - |
| S6-231973 | update of clause 8.11.1 | China Mobile | agreed | S6-231763 | - |
| S6-231974 | update of Application Client (de-)registration using MSGin5G Client | China Mobile | revised | S6-231764 | S6-232130 |
| S6-231975 | update of Application Client sending and receiving message using MSGin5G Client | China Mobile | agreed | S6-231765 | - |
| S6-231976 | MSGin5G Message Delivery  to MSGin5G UE discussion | AT&T | endorsed | S6-231813 | - |
| S6-231977 | New Annex for Message Delivery Flow | at&t, China Mobile | agreed | S6-231820 | - |
| S6-231978 | Clarify procedures in clause 8.3 with corrections | at&t, China Mobile | agreed | S6-231816 | - |
| S6-231979 | Correct MCVideo ad hoc group call information tables | at&t | revised | S6-231710 | S6-231990 |
| S6-231980 | MCData ad hoc group ID correction | at&t | agreed | S6-231712 | - |
| S6-231981 | Remove unnecessary information flow tables | at&t | revised | S6-231713 | S6-231991 |
| S6-231982 | Correct MCPTT ID usage in some information flow tables | at&t | revised | S6-231714 | S6-231992 |
| S6-231983 | MCPTT group ID correction | at&t | agreed | S6-231715 | - |
| S6-231984 | Remove unnecessary information flow tables | at&t | revised | S6-231716 | S6-231993 |
| S6-231985 | Example of MCData services which are not handled by SIP core | Ericsson, Kontron Transportation France | agreed | S6-231937 | - |
| S6-231986 | Corrections to Ad hoc group emergency alert request information flow | Samsung | agreed | S6-231812 | - |
| S6-231987 | Group de-affiliation for specific UE | BDBOS | agreed | S6-231949 | - |
| S6-231988 | Resolution of ENs in 8.5.x | one2many | agreed | S6-231968 | - |
| S6-231989 | Addition of Call Release Reason code in the PES based Call Disconnect procedure | Motorola Solutions, UKHO | agreed | S6-231950 | - |
| S6-231990 | Correct MCVideo ad hoc group call information tables | at&t | agreed | S6-231979 | - |
| S6-231991 | Remove unnecessary information flow tables | at&t | agreed | S6-231981 | - |
| S6-231992 | Correct MCPTT ID usage in some information flow tables | at&t | agreed | S6-231982 | - |
| S6-231993 | Remove unnecessary information flow tables | at&t | agreed | S6-231984 | - |
| S6-231994 | Correct MCData ID usage in some information flow tables | at&t | agreed | S6-231952 | - |
| S6-231995 | Corrections for ad hoc group call setup | Kontron Transportation France | agreed | S6-231958 | - |
| S6-231996 | Corrections for ad hoc group data communication setup | Kontron Transportation France | agreed | S6-231959 | - |
| S6-231997 | Addressing EN related to implicit affiliation to ad hoc group alert participants | Ericsson | revised | S6-231961 | S6-232078 |
| S6-231998 | update of clause 8.2.8 | China Mobile | agreed | S6-231970 | - |
| S6-231999 | LS reply on Edge Configuration Server associated with or serves multiple PLMNs | SA6 | approved | S6-231941 | - |
| S6-232000 | LS on LS reply to GSMA on publication of GSMA OPG and OPAG documents | Huawei | revised | S6-231943 | S6-232145 |
| S6-232001 | Reply LS on the reuse of EVEX as specified in TS 26.531 | Samsung | approved | S6-231938 | - |
| S6-232002 | DP about Enhanced application layer support for satellite-enabled IoT services | CATT | noted | S6-231795 | - |
| S6-232003 | Discussion about SEALDD ehancement work | Huawei, Hisilicon | noted | S6-231911 | - |
| S6-232004 | Alignment of terminologies for the ECSP management system | ETRI, Uangel | agreed | S6-231717 | - |
| S6-232005 | Fix the in-consistency for the service continuity support | Huawei, Hisilicon, Hytera, | revised | S6-231850 | S6-232184 |
| S6-232006 | EASID definition update | AT&T | agreed | S6-231766 | - |
| S6-232007 | Resolving SA3 dependent ENs | Samsung | agreed | S6-231894 | - |
| S6-232008 | Resolving SA5 dependent EN | Samsung | withdrawn | S6-231902 | - |
| S6-232009 | EEC Triggering execution for Service Provisioning | Samsung | agreed | S6-231703 | - |
| S6-232010 | EEC Triggering execution | Samsung | revised | S6-231706 | S6-232185 |
| S6-232011 | EEC Triggering setup for EAS discovery | Samsung | agreed | S6-231737 | - |
| S6-232012 | UE Identifier API call by EEC triggering EES notify EAS of UEID directly | AT&T | not pursued | S6-231674 | - |
| S6-232013 | EESID correction | NTT DOCOMO | revised | - | S6-232128 |
| S6-232014 | EESID correction | NTT DOCOMO | agreed | - | - |
| S6-232015 | Alignment of terminologies for the ECSP management system | ETRI, Uangel | revised | - | S6-232162 |
| S6-232016 | Fix the misalignment on UE ID API request | Huawei, Hisilicon | agreed | S6-231851 | - |
| S6-232017 | Use of EES specfic UE ID for EDGE-1 | KPN | revised | - | S6-232080 |
| S6-232018 | Details of EAS information | Qualcomm | agreed | S6-231841 | - |
| S6-232019 | Provision ECAI together with PLMN ID to 5GC | vivo | agreed | S6-231735 | - |
| S6-232020 | Clarification on the decision-making entity and execution entity | China Telecom | agreed | S6-231683 | - |
| S6-232021 | Corrections to ACR management event notification | InterDigital | agreed | S6-231744 | - |
| S6-232022 | Resolving EN related to wait for current ACR to complete | Samsung | withdrawn | S6-231899 | - |
| S6-232023 | Resolving EN related to service continuity planning indication | Samsung | withdrawn | S6-231900 | - |
| S6-232024 | Resolving EN related to ACR | Samsung | agreed | S6-231901 | - |
| S6-232025 | DNS resolution of CAS | InterDigital | withdrawn | S6-231742 | - |
| S6-232026 | Support for ACR between EAS and CAS | InterDigital | agreed | S6-231743 | - |
| S6-232027 | Selected EES declaration | Ericsson | revised | S6-231873 | S6-232187 |
| S6-232028 | More procedures with CES | Ericsson | revised | S6-231876 | S6-232134 |
| S6-232029 | CAS decided ACR scenario via old S-EES for CESless architecture | KPN N.V. | revised | S6-231917 | S6-232188 |
| S6-232030 | Resolving EN in ACR to Cloud | Samsung | revised | S6-231924 | S6-232170 |
| S6-232031 | Modification to AC profile | China Telecom | agreed | S6-231682 | - |
| S6-232032 | EASID definition update | AT&T | agreed | - | - |
| S6-232033 | Clarify non-3GPP access | Ericsson | agreed | S6-231866 | - |
| S6-232034 | Add SEAL-3P reference point | CATT | agreed | S6-231789 | - |
| S6-232035 | Editorial change for Location area monitoring unsubscribe response | CATT | agreed | S6-231790 | - |
| S6-232036 | SNAAPP alignment with SA3 | NTT DOCOMO, AT&T | revised | S6-231783 | S6-232131 |
| S6-232037 | NRM support socket operation | Huawei, Hisilicon | noted | S6-231946 | - |
| S6-232038 | Clarification of VAL service area ID based triggering criteria | Samsung | withdrawn | S6-231837 | - |
| S6-232039 | Service API status monitoring | Ericsson | revised | S6-231875 | S6-232129 |
| S6-232040 | SEAL NRM determines time synchronization activation for TSC stream | Ericsson Telecomunicazioni SpA | revised | S6-231916 | S6-232169 |
| S6-232041 | S6-SEALDD\_Add the archirtecture requirements | China Mobile | approved | S6-231774 | - |
| S6-232042 | fix the in-consistency on SEALDD enabled regular data transmission connection establishment | Huawei, Hisilicon | approved | S6-231858 | - |
| S6-232043 | fix the in-consistency on signalling transmission connection establishment procedure | Huawei, Hisilicon | approved | S6-231859 | - |
| S6-232044 | SEALDD connection alignment | Ericsson | approved | S6-231874 | - |
| S6-232045 | Connection mapping between SEALDD-UU and SEALDD-S | Huawei, Hisilicon | approved | S6-231877 | - |
| S6-232046 | Complete the SEALDD server discovery and selection procedure | Huawei, Hisilicon | revised | S6-231878 | S6-232179 |
| S6-232047 | Clarification and correction for SEALDD transmission policy | Huawei, Hisilicon | approved | S6-231879 | - |
| S6-232048 | Solve EN about the relationship between SEALDD server and NRM server | Huawei, Hisilicon | approved | S6-231880 | - |
| S6-232049 | Alignment and completion on SEALDD context | Huawei, Hisilicon | approved | S6-231884 | - |
| S6-232050 | Connection establishment between SEALDD servers | Huawei, Hisilicon | approved | S6-231885 | - |
| S6-232051 | Add the pull operation for SEALDD context transfer | Huawei, Hisilicon | approved | S6-231887 | - |
| S6-232052 | Solve ENs in tranmission quality measurement procedure | Huawei, Hisilicon | approved | S6-231888 | - |
| S6-232053 | Solve EN about connection management between SEALDD traffic and application traffic | Huawei, Hisilicon | approved | S6-231889 | - |
| S6-232054 | Gateway capability and PEGC determination during PIN create | vivo | approved | S6-231729 | - |
| S6-232055 | PIN-9 API | vivo | approved | S6-231731 | - |
| S6-232056 | Add routing management and Access control in PIN profile for PEGC | vivo | approved | S6-231732 | - |
| S6-232057 | Support communication between PIN enabler layer | vivo | approved | S6-231733 | - |
| S6-232058 | Pseudo-CR on General clauses | InterDigital | approved | S6-231750 | - |
| S6-232059 | Pseudo-CR on removing EN on PIN-5 | InterDigital | approved | S6-231751 | - |
| S6-232060 | Pseudo-CR on editorial corrections | InterDigital | approved | S6-231752 | - |
| S6-232061 | Few minor essential corrections | Samsung | approved | S6-231846 | - |
| S6-232062 | Pseudo-CR on activation and deactivation of PIN | Samsung | approved | S6-231864 | - |
| S6-232063 | Align SA2 progress about ECN marking | Huawei, Hisilicon | approved | S6-231886 | - |
| S6-232064 | Ad hoc group emergency alert between multiple MC systems | Ericsson, AT&T, Nokia, Nokia Shanghai Bell, Motorola Solutions | agreed | S6-231960 | - |
| S6-232065 | LS for clarification on Federation Identifier | Samsung | revised | - | S6-232146 |
| S6-232066 | Rel-19 Content definition approach | SA6 leadership | revised | - | S6-232226 |
| S6-232067 | New SID on application enablement for Satellite access enabled 5G Services | Samsung | revised | S6-231929 | S6-232192 |
| S6-232068 | New SID on application enablement for Localized Mobile Metaverse Services | Samsung | revised | S6-231699 | S6-232211 |
| S6-232069 | Study on enhanced application layer support for location service | CATT | revised | S6-231791 | S6-232216 |
| S6-232070 | Railways specific Enhancements to Mission Critical Services | Nokia, Nokia Shanghai Bell | revised | S6-231788 | S6-232215 |
| S6-232071 | MC\_ShAC presentation | BDBOS | noted | S6-231945 | - |
| S6-232072 | Sharing of administrative configuration between interconnected MC service systems | BDBOS | revised | S6-231687 | S6-232194 |
| S6-232073 | Study on Service aspects for supporting the eMMTel Service | China Mobile Com. Corporation | revised | S6-231755 | S6-232213 |
| S6-232074 | WID on support of the 5GMSG Service phase 3 | China Mobile Com. Corporation | revised | S6-231757 | S6-232214 |
| S6-232075 | New SID on Application enabler for XR Services | China Mobile (Suzhou) Software | revised | S6-231797 | S6-232217 |
| S6-232076 | Reply LS on Alignment of SA3 security aspects for Personal IoT Networks | SA6 | approved | S6-231942 | - |
| S6-232077 | Additional information in registration request to Solve the EN in 9.2 | China Mobile (Suzhou) Software | withdrawn | S6-231801 | - |
| S6-232078 | Addressing EN related to implicit affiliation to ad hoc group alert participants | Ericsson | agreed | S6-231997 | - |
| S6-232079 | LS on REl-18 work on architecture for enabling Edge Applications | Samsung | revised | - | S6-232197 |
| S6-232080 | Use of EES specfic UE ID for EDGE-1 | KPN | revised | S6-232017 | S6-232186 |
| S6-232081 | LS for clarification on EAS instantiation duration time | Huawei | revised | - | S6-232168 |
| S6-232082 | Removing AC registration | Qualcomm | agreed | S6-231840 | - |
| S6-232083 | Presentation of TS 23.436 to TSG SA | Lenovo | approved | S6-231824 | - |
| S6-232084 | Overview of CAPIF operations for RNAA scenarios | NTT DOCOMO | revised | S6-231784 | S6-232132 |
| S6-232085 | Enhancement to service experience support | Samsung | approved | S6-231907 | - |
| S6-232086 | CAPIF add service procedure for update of subscriptions | Nokia, Nokia Shanghai Bell | revised | S6-231936 | S6-232116 |
| S6-232087 | Alignment among CAPIF provider (trust) domains | Nokia, Nokia Shanghai Bell | revised | S6-231915 | S6-232117 |
| S6-232088 | Revoking notification to other AEFs | Huawei, Hisilicon | revised | S6-231832 | S6-232148 |
| S6-232089 | New SID on further enhancements on Application Architecture for UAS applications | InterDigital | revised | S6-231689 | S6-232195 |
| S6-232090 | Support for C2 direct mode availability reporting | Lenovo | agreed | S6-231825 | - |
| S6-232091 | Edge analytics update | Convida Wireless LLC | approved | S6-231925 | - |
| S6-232092 | Add overview for new services | China Mobile (Suzhou) Software | approved | S6-231799 | - |
| S6-232093 | clean up and solve the EN of 9.7 | China Mobile (Suzhou) Software | approved | S6-231804 | - |
| S6-232094 | Procedures and APIs for Network Slice Information delivery | Samsung | approved | S6-231702 | - |
| S6-232095 | Add information elements for the Slice Information delivery to NSCE client | China Mobile (Suzhou) Software | approved | S6-231807 | - |
| S6-232096 | update and add information elements for Network Slice Allocation | China Mobile (Suzhou) Software | approved | S6-231808 | - |
| S6-232097 | Application groups entity relationships | Vodafone, Apple | agreed | S6-231691 | - |
| S6-232098 | Common EAS discovery | Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone | revised | S6-231847 | S6-232155 |
| S6-232099 | Application Group Profile EN resolution proposal | Apple Portugal | revised | S6-231708 | S6-232136 |
| S6-232100 | Resolving the ENs related to retrieve EES procedure | Samsung | agreed | S6-231922 | - |
| S6-232101 | Clarification Application Group ID definition | Apple Portugal | agreed | S6-231709 | - |
| S6-232102 | Common EAS discovery | InterDigital | merged | S6-231741 | S6-232098 |
| S6-232103 | Interaction with CR in common EAS discovery | Ericsson | revised | S6-231872 | S6-232137 |
| S6-232104 | Handling instantiation-in-progress status at the EAS discovery subscription procedure | ETRI, Uangel | agreed | S6-231718 | - |
| S6-232105 | EAS instantiation considering different ACR type | Huawei, Hisilicon, | revised | S6-231849 | S6-232164 |
| S6-232106 | Correction and alignment for EAS instantiation status | Huawei, Hisilicon | revised | S6-231890 | S6-232138 |
| S6-232107 | Edge performance prediction | Ericsson | revised | S6-231870 | S6-232139 |
| S6-232108 | Enhancements for EAS synchronization | NTT DOCOMO | merged | S6-231781 | S6-232166 |
| S6-232109 | EAS synchronization | Ericsson | revised | S6-231869 | S6-232140 |
| S6-232110 | Information element alignment for ECS discovery | NTT DOCOMO | withdrawn | - | - |
| S6-232111 | Information flows - Federation and roaming | NTT DOCOMO | revised | S6-231777 | S6-232141 |
| S6-232112 | Resolving EN related to redirection | Samsung | agreed | S6-231897 | - |
| S6-232113 | Service continuity in ENS via leading ECSP | Ericsson | revised | S6-231868 | S6-232143 |
| S6-232114 | ENS – IE tables updates | Samsung | revised | S6-231904 | S6-232142 |
| S6-232115 | Edge Node Sharing solution | Samsung | withdrawn | S6-231905 | - |
| S6-232116 | CAPIF add service procedure for update of subscriptions | Nokia, Nokia Shanghai Bell | agreed | S6-232086 | - |
| S6-232117 | Alignment among CAPIF provider (trust) domains | Nokia, Nokia Shanghai Bell | revised | S6-232087 | S6-232144 |
| S6-232118 | EAS bundle types and bundle requirements | Qualcomm | revised | S6-231844 | S6-232119 |
| S6-232119 | EAS bundle types and bundle requirements | Qualcomm | revised | S6-232118 | S6-232150 |
| S6-232120 | Resolve EN in bundle EAS information | Huawei, Hisilicon, Hytera | merged | S6-231853 | S6-232150 |
| S6-232121 | ACR for EAS bundle | Ericsson | revised | S6-231867 | S6-232135 |
| S6-232122 | Ability details of handling bundled EAS ACR | Huawei, Hisilicon | agreed | S6-231891 | - |
| S6-232123 | Service continuity for EAS composition | NTT DOCOMO | agreed | S6-231780 | - |
| S6-232124 | Bundle EAS ACR within the same DNAI for S-EES executed ACR | Huawei, Hisilicon, Hytera, CMCC | revised | S6-231848 | S6-232152 |
| S6-232125 | T-EES discovery enhancement for composite EAS | Huawei, Hisilicon, Hytera, | revised | S6-231854 | S6-232153 |
| S6-232126 | AC information exposure update and correction | Convida Wireless LLC | revised | S6-231920 | S6-232172 |
| S6-232127 | LS on Reply LS on 3GPP TR 23.700-98 V1.2.0 Analysis | SA6 | approved | S6-231944 | - |
| S6-232128 | EESID correction | NTT DOCOMO | agreed | S6-232013 | - |
| S6-232129 | Service API status monitoring | Ericsson | revised | S6-232039 | S6-232147 |
| S6-232130 | update of Application Client (de-)registration using MSGin5G Client | China Mobile | agreed | S6-231974 | - |
| S6-232131 | SNAAPP alignment with SA3 | NTT DOCOMO, AT&T | agreed | S6-232036 | - |
| S6-232132 | Overview of CAPIF operations for RNAA scenarios | NTT DOCOMO | agreed | S6-232084 | - |
| S6-232133 | UE Identifier API call by EEC triggering EES notify EAS of UEID directly | AT&T | withdrawn | - | - |
| S6-232134 | More procedures with CES | Ericsson | agreed | S6-232028 | - |
| S6-232135 | ACR for EAS bundle | Ericsson | revised | S6-232121 | S6-232151 |
| S6-232136 | Application Group Profile EN resolution proposal | Apple Portugal | revised | S6-232099 | S6-232154 |
| S6-232137 | Interaction with CR in common EAS discovery | Ericsson | revised | S6-232103 | S6-232156 |
| S6-232138 | Correction and alignment for EAS instantiation status | Huawei, Hisilicon | agreed | S6-232106 | - |
| S6-232139 | Edge performance prediction | Ericsson, Samsung | revised | S6-232107 | S6-232165 |
| S6-232140 | EAS synchronization | Ericsson | revised | S6-232109 | S6-232166 |
| S6-232141 | Information flows - Federation and roaming | NTT DOCOMO, Qualcomm, Samsung | agreed | S6-232111 | - |
| S6-232142 | ENS – IE tables updates | Samsung | agreed | S6-232114 | - |
| S6-232143 | Service continuity in ENS via leading ECSP | Ericsson | not pursued | S6-232113 | - |
| S6-232144 | Alignment among CAPIF provider (trust) domains | Nokia, Nokia Shanghai Bell | revised | S6-232117 | S6-232149 |
| S6-232145 | LS on LS reply to GSMA on publication of GSMA OPG and OPAG documents | SA6 | approved | S6-232000 | - |
| S6-232146 | LS for clarification on Federation Identifier | SA6 | approved | S6-232065 | - |
| S6-232147 | Service API status monitoring | Ericsson | agreed | S6-232129 | - |
| S6-232148 | Revoking notification to other AEFs | Huawei, Hisilicon, Samsung | revised | S6-232088 | S6-232182 |
| S6-232149 | Alignment among CAPIF provider (trust) domains | Nokia, Nokia Shanghai Bell | revised | S6-232144 | S6-232180 |
| S6-232150 | EAS bundle types and bundle requirements | Qualcomm | revised | S6-232119 | S6-232171 |
| S6-232151 | ACR for EAS bundle | Ericsson, Huawei, Samsung | revised | S6-232135 | S6-232201 |
| S6-232152 | Bundle EAS ACR within the same DNAI for S-EES executed ACR | Huawei, Hisilicon, Hytera, CMCC | agreed | S6-232124 | - |
| S6-232153 | T-EES discovery enhancement for composite EAS | Huawei, Hisilicon, Hytera, Samsung | revised | S6-232125 | S6-232208 |
| S6-232154 | Application Group Profile EN resolution proposal | Apple Portugal | agreed | S6-232136 | - |
| S6-232155 | Common EAS discovery | Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, ZTE, Vodafone, InterDigital | revised | S6-232098 | S6-232173 |
| S6-232156 | Interaction with CR in common EAS discovery | Ericsson | agreed | S6-232137 | - |
| S6-232157 | Moving alignment Annex from TS to external TR | Intel Technology India Pvt Ltd., Nokia | agreed | S6-231719 | - |
| S6-232158 | Pseudo-CR on EDGEAPP and ETSI MEC platform and AS aligned deployment | Apple Portugal | revised | S6-231695 | S6-232167 |
| S6-232159 | Interfaces Alignment - EDGEAPP & ETSI MEC | Intel, Apple, China Mobile | approved | S6-231720 | - |
| S6-232160 | Moving alignment Annex from TS to external TR | Intel, AT&T | approved | S6-231723 | - |
| S6-232161 | MEC and EDGEAPP deployments in relation with CAPIF | Nokia, Nokia Shanghai Bell | revised | S6-231860 | S6-232177 |
| S6-232162 | Alignment of terminologies for the ECSP management system | ETRI, Uangel | agreed | S6-232015 | - |
| S6-232163 | LS on LS reply to GSMA on publication of GSMA OPG and OPAG documents | Huawei | withdrawn | S6-232145 | - |
| S6-232164 | EAS instantiation considering different ACR type | Huawei, Hisilicon, | revised | S6-232105 | S6-232189 |
| S6-232165 | Edge performance prediction | Ericsson, Samsung | revised | S6-232139 | S6-232204 |
| S6-232166 | EAS synchronization | Ericsson, NTT DOCOMO, Samsung | revised | S6-232140 | S6-232205 |
| S6-232167 | Pseudo-CR on EDGEAPP and ETSI MEC platform and AS aligned deployment | Apple Portugal | revised | S6-232158 | S6-232176 |
| S6-232168 | LS for clarification on EAS instantiation duration time | Huawei | revised | S6-232081 | S6-232198 |
| S6-232169 | SEAL NRM determines time synchronization activation for TSC stream | Ericsson Telecomunicazioni SpA | agreed | S6-232040 | - |
| S6-232170 | Resolving EN in ACR to Cloud | Samsung, InterDigital | revised | S6-232030 | S6-232200 |
| S6-232171 | EAS bundle types and bundle requirements | Qualcomm, Huawei | agreed | S6-232150 | - |
| S6-232172 | AC information exposure update and correction | Convida Wireless LLC | revised | S6-232126 | S6-232202 |
| S6-232173 | Common EAS discovery | Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone, InterDigital | revised | S6-232155 | S6-232207 |
| S6-232174 | Enhancements for EAS synchronization | NTT DOCOMO | withdrawn | S6-232108 | - |
| S6-232175 | ACR for Bundle and Composite EAS | Samsung | merged | S6-231707 | S6-232153 |
| S6-232176 | Pseudo-CR on EDGEAPP and ETSI MEC platform and AS aligned deployment | Apple, ETRI, Intel, Huawei, Nokia | approved | S6-232167 | - |
| S6-232177 | MEC and EDGEAPP deployments in relation with CAPIF | Nokia, Nokia Shanghai Bell | approved | S6-232161 | - |
| S6-232178 | Clean ENs in transmission guarantee procedure | Huawei, Hisilicon | revised | S6-231883 | S6-232206 |
| S6-232179 | Complete the SEALDD server discovery and selection procedure | Huawei, Hisilicon | approved | S6-232046 | - |
| S6-232180 | Alignment among CAPIF provider (trust) domains | Nokia, Nokia Shanghai Bell | agreed | S6-232149 | - |
| S6-232181 | Enhanced Mission Critical architecture (enhMC) | Motorola Solutions | noted | - | - |
| S6-232182 | Revoking notification to other AEFs | Huawei, Hisilicon, Hytera, | postponed | S6-232148 | - |
| S6-232183 | Reply LS on authorization triggered by AEF | Huawei | postponed | - | S6-232199 |
| S6-232184 | Fix the in-consistency for the service continuity support | Huawei, Hisilicon, Hytera, | agreed | S6-232005 | - |
| S6-232185 | EEC Triggering execution | Samsung | agreed | S6-232010 | - |
| S6-232186 | Use of EES specfic UE ID for EDGE-1 | KPN | revised | S6-232080 | S6-232190 |
| S6-232187 | Selected EES declaration | Ericsson | agreed | S6-232027 | - |
| S6-232188 | CAS decided ACR scenario via old S-EES for CESless architecture | KPN N.V. | agreed | S6-232029 | - |
| S6-232189 | EAS instantiation considering different ACR type | Huawei, Hisilicon, | revised | S6-232164 | S6-232203 |
| S6-232190 | Use of EES specfic UE ID for EDGE-1 | KPN | agreed | S6-232186 | - |
| S6-232191 | New WID on Enhanced Mission Critical Architecture for Rel-19 | Motorola Solutions | revised | - | S6-232220 |
| S6-232192 | New SID on application enablement for Satellite access enabled 5G Services | Samsung | revised | S6-232067 | S6-232225 |
| S6-232193 | Study on application layer enablement for satellite-enabled IoT services | CATT | postponed | S6-231794 | - |
| S6-232194 | Sharing of administrative configuration between interconnected MC service systems | BDBOS | agreed | S6-232072 | - |
| S6-232195 | New SID on further enhancements on Application Architecture for UAS applications | InterDigital | revised | S6-232089 | S6-232219 |
| S6-232196 | SID Study on application layer support for Factories of the Future phase2 | ZTE Corporation | postponed | S6-231726 | - |
| S6-232197 | LS on REl-18 work on architecture for enabling Edge Applications | SA6 | approved | S6-232079 | - |
| S6-232198 | LS for clarification on EAS instantiation duration time | SA6 | approved | S6-232168 | - |
| S6-232199 | Reply LS on authorization triggered by AEF | Huawei | withdrawn | S6-232183 | - |
| S6-232200 | Resolving EN in ACR to Cloud | Samsung, InterDigital | agreed | S6-232170 | - |
| S6-232201 | ACR for EAS bundle | Ericsson, Huawei, Samsung | agreed | S6-232151 | - |
| S6-232202 | AC information exposure update and correction | Convida Wireless LLC | agreed | S6-232172 | - |
| S6-232203 | EAS instantiation considering different ACR type | Huawei, Hisilicon, | not pursued | S6-232189 | - |
| S6-232204 | Edge performance prediction | Ericsson, Samsung | agreed | S6-232165 | - |
| S6-232205 | EAS synchronization | Ericsson, NTT DOCOMO, Samsung | agreed | S6-232166 | - |
| S6-232206 | Clean ENs in transmission guarantee procedure | Huawei, Hisilicon | revised | S6-232178 | S6-232209 |
| S6-232207 | Common EAS discovery | Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone, InterDigital | agreed | S6-232173 | - |
| S6-232208 | T-EES discovery enhancement for composite EAS | Huawei, Hisilicon, Hytera, Samsung | agreed | S6-232153 | - |
| S6-232209 | Clean ENs in transmission guarantee procedure | Huawei, Hisilicon | approved | S6-232206 | - |
| S6-232210 | New SID on enhancements to analytics enablement service; Phase 2 | Lenovo | revised | S6-231823 | S6-232218 |
| S6-232211 | New SID on application enablement for Localized Mobile Metaverse Services | Samsung | postponed | S6-232068 | - |
| S6-232212 | SA#100 Rel-19 Planning Input | Chair | endorsed | - | - |
| S6-232213 | Study on Service aspects for supporting the eMMTel Service | China Mobile Com. Corporation | revised | S6-232073 | S6-232223 |
| S6-232214 | WID on support of the 5GMSG Service phase 3 | China Mobile Com. Corporation | agreed | S6-232074 | - |
| S6-232215 | Railways specific Enhancements to Mission Critical Services | Nokia, Nokia Shanghai Bell | agreed | S6-232070 | - |
| S6-232216 | Study on enhanced application layer support for location service | CATT | revised | S6-232069 | S6-232224 |
| S6-232217 | New SID on Application enabler for XR Services | China Mobile (Suzhou) Software | postponed | S6-232075 | - |
| S6-232218 | New SID on enhancements to analytics enablement service; Phase 2 | Lenovo | postponed | S6-232210 | - |
| S6-232219 | New SID on further enhancements on Application Architecture for UAS applications | InterDigital | postponed | S6-232195 | - |
| S6-232220 | New WID on Enhanced Mission Critical Architecture for Rel-19 | Motorola Solutions | agreed | S6-232191 | - |
| S6-232221 | New SID for study on Sensing enabler for vertical applications | Huawei, Hisilicon | postponed | S6-231836 | - |
| S6-232222 | Presentation of TS 23.542 to TSG SA TS 23.542, version 0.4.0 | SA6 | approved | S6-231734 | - |
| S6-232223 | Study on Service aspects for supporting the eMMTel Service | China Mobile Com. Corporation | agreed | S6-232213 | - |
| S6-232224 | Study on enhanced application layer support for location service | CATT | agreed | S6-232216 | - |
| S6-232225 | New SID on application enablement for Satellite access enabled 5G Services | Samsung | postponed | S6-232192 | - |
| S6-232226 | Rel-19 Content definition approach | SA6 leadership | available | S6-232066 | - |

## Annex B: List of change requests

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S6-231832 | Revoking notification to other AEFs | Huawei, Hisilicon | 23.222 | 0110 | 2 | Rel-18 | B | TEI, eCAPIF | revised |
| S6-232088 | Revoking notification to other AEFs | Huawei, Hisilicon | 23.222 | 0110 | 3 | Rel-18 | B | TEI, eCAPIF | revised |
| S6-232148 | Revoking notification to other AEFs | Huawei, Hisilicon, Samsung | 23.222 | 0110 | 4 | Rel-18 | B | TEI, eCAPIF | revised |
| S6-232182 | Revoking notification to other AEFs | Huawei, Hisilicon, Hytera, | 23.222 | 0110 | 5 | Rel-18 | B | TEI, eCAPIF | postponed |
| S6-231875 | Service API status monitoring | Ericsson | 23.222 | 0111 | 1 | Rel-18 | B | SEAL\_Ph3 | revised |
| S6-232039 | Service API status monitoring | Ericsson | 23.222 | 0111 | 2 | Rel-18 | B | SEAL\_Ph3 | revised |
| S6-232129 | Service API status monitoring | Ericsson | 23.222 | 0111 | 3 | Rel-18 | B | SEAL\_Ph3 | revised |
| S6-232147 | Service API status monitoring | Ericsson | 23.222 | 0111 | 4 | Rel-18 | B | SEAL\_Ph3 | agreed |
| S6-231782 | Clarification that RNAA is for both 4G and 5G | NTT DOCOMO | 23.222 | 0112 | - | Rel-18 | B | SNAAPP | agreed |
| S6-231783 | SNAAPP alignment with SA3 | NTT DOCOMO | 23.222 | 0113 | - | Rel-18 | B | SNAAPP | revised |
| S6-232036 | SNAAPP alignment with SA3 | NTT DOCOMO, AT&T | 23.222 | 0113 | 1 | Rel-18 | B | SNAAPP | revised |
| S6-232131 | SNAAPP alignment with SA3 | NTT DOCOMO, AT&T | 23.222 | 0113 | 2 | Rel-18 | B | SNAAPP | agreed |
| S6-231784 | Overview of CAPIF operations for RNAA scenarios | NTT DOCOMO | 23.222 | 0114 | - | Rel-18 | B | SNAAPP | revised |
| S6-232084 | Overview of CAPIF operations for RNAA scenarios | NTT DOCOMO | 23.222 | 0114 | 1 | Rel-18 | B | SNAAPP | revised |
| S6-232132 | Overview of CAPIF operations for RNAA scenarios | NTT DOCOMO | 23.222 | 0114 | 2 | Rel-18 | B | SNAAPP | agreed |
| S6-231827 | CAPIF add service procedure for update of subscriptions | Nokia, Nokia Shanghai Bell | 23.222 | 0115 | - | Rel-18 | B | TEI18 | revised |
| S6-231936 | CAPIF add service procedure for update of subscriptions | Nokia, Nokia Shanghai Bell | 23.222 | 0115 | 1 | Rel-18 | B | TEI18 | revised |
| S6-232086 | CAPIF add service procedure for update of subscriptions | Nokia, Nokia Shanghai Bell | 23.222 | 0115 | 2 | Rel-18 | B | TEI18 | revised |
| S6-232116 | CAPIF add service procedure for update of subscriptions | Nokia, Nokia Shanghai Bell | 23.222 | 0115 | 3 | Rel-18 | B | TEI18 | agreed |
| S6-231915 | Alignment among CAPIF provider (trust) domains | Nokia, Nokia Shanghai Bell | 23.222 | 0116 | - | Rel-18 | B | TEI18 | revised |
| S6-232087 | Alignment among CAPIF provider (trust) domains | Nokia, Nokia Shanghai Bell | 23.222 | 0116 | 1 | Rel-18 | B | TEI18 | revised |
| S6-232117 | Alignment among CAPIF provider (trust) domains | Nokia, Nokia Shanghai Bell | 23.222 | 0116 | 2 | Rel-18 | B | TEI18 | revised |
| S6-232144 | Alignment among CAPIF provider (trust) domains | Nokia, Nokia Shanghai Bell | 23.222 | 0116 | 3 | Rel-18 | B | TEI18 | revised |
| S6-232149 | Alignment among CAPIF provider (trust) domains | Nokia, Nokia Shanghai Bell | 23.222 | 0116 | 4 | Rel-18 | B | TEI18 | revised |
| S6-232180 | Alignment among CAPIF provider (trust) domains | Nokia, Nokia Shanghai Bell | 23.222 | 0116 | 5 | Rel-18 | B | TEI18 | agreed |
| S6-231825 | Support for C2 direct mode availability reporting | Lenovo | 23.255 | 0046 | 2 | Rel-18 | B | UASAPP\_Ph2 | revised |
| S6-232090 | Support for C2 direct mode availability reporting | Lenovo | 23.255 | 0046 | 3 | Rel-18 | B | UASAPP\_Ph2 | agreed |
| S6-231785 | Target KMS URI for a migrated MC service user | Nokia, Nokia Shanghai Bell, Ericsson, AT&T, Kontron Transportation France, Airbus | 23.280 | 0357 | 4 | Rel-18 | F | enh4MCPTT | postponed |
| S6-231676 | Correct errors in the use of singular and plural forms in TS 23.280 | China Telecommunications | 23.280 | 0372 | 1 | Rel-18 | D | enh4MCPTT | withdrawn |
| S6-231677 | Correct errors in the use of singular and plural forms in TS 23.280 | China Telecommunications | 23.280 | 0372 | 2 | Rel-18 | D | enh4MCPTT | withdrawn |
| S6-231768 | Ad hoc group emergency alert between multiple MC systems | Ericsson, AT&T, Nokia, Nokia Shanghai Bell | 23.280 | 0389 | 2 | Rel-18 | B | MC\_AHGC | revised |
| S6-231960 | Ad hoc group emergency alert between multiple MC systems | Ericsson, AT&T, Nokia, Nokia Shanghai Bell | 23.280 | 0389 | 3 | Rel-18 | B | MC\_AHGC | revised |
| S6-232064 | Ad hoc group emergency alert between multiple MC systems | Ericsson, AT&T, Nokia, Nokia Shanghai Bell, Motorola Solutions | 23.280 | 0389 | 4 | Rel-18 | B | MC\_AHGC | agreed |
| S6-231675 | Correct errors in the use of singular and plural forms in TS 23.280 | China Telecommunications | 23.280 | 0391 | - | Rel-18 | D | enh4MCPTT | withdrawn |
| S6-231678 | Correct the errors in the use of singular and plural forms in TS 23.280 | China Telecom | 23.280 | 0392 | - | Rel-18 | D | enh4MCPTT | agreed |
| S6-231679 | Remove the duplicate and extra words in the expression of TS 23.280. | China Telecom | 23.280 | 0393 | - | Rel-18 | D | enh4MCPTT | agreed |
| S6-231686 | Group de-affiliation for specific UE | BDBOS | 23.280 | 0394 | - | Rel-18 | B | enh4MCPTT | revised |
| S6-231949 | Group de-affiliation for specific UE | BDBOS | 23.280 | 0394 | 1 | Rel-18 | B | enh4MCPTT | revised |
| S6-231987 | Group de-affiliation for specific UE | BDBOS | 23.280 | 0394 | 2 | Rel-18 | B | enh4MCPTT | agreed |
| S6-231696 | MC gateway UE routing capabilities | BDBOS | 23.280 | 0395 | - | Rel-18 | B | MCGWUE | revised |
| S6-231947 | MC gateway UE routing capabilities | BDBOS | 23.280 | 0395 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-231700 | Syncing Criteria changes with 23.379 | AT&T, FirstNet, Ericsson, Nokia, Nokia Shanghai Bell | 23.280 | 0396 | - | Rel-18 | D | enh4MCPTT | revised |
| S6-231953 | Syncing Criteria changes with 23.379 | AT&T, FirstNet, Ericsson, Nokia, Nokia Shanghai Bell | 23.280 | 0396 | 1 | Rel-18 | D | enh4MCPTT | agreed |
| S6-231701 | Reference corrections in 10.6.3.3.2 | at&t | 23.280 | 0397 | - | Rel-18 | D | enh4MCPTT | revised |
| S6-231951 | Reference corrections in 10.6.3.3.2 | at&t | 23.280 | 0397 | 1 | Rel-18 | D | enh4MCPTT | agreed |
| S6-231769 | Addressing EN related to implicit affiliation to ad hoc group alert participants | Ericsson | 23.280 | 0398 | - | Rel-18 | B | MC\_AHGC | revised |
| S6-231961 | Addressing EN related to implicit affiliation to ad hoc group alert participants | Ericsson | 23.280 | 0398 | 1 | Rel-18 | B | MC\_AHGC | revised |
| S6-231997 | Addressing EN related to implicit affiliation to ad hoc group alert participants | Ericsson | 23.280 | 0398 | 2 | Rel-18 | B | MC\_AHGC | revised |
| S6-232078 | Addressing EN related to implicit affiliation to ad hoc group alert participants | Ericsson | 23.280 | 0398 | 3 | Rel-18 | B | MC\_AHGC | agreed |
| S6-231773 | Updating private call using FA | Ericsson | 23.280 | 0399 | - | Rel-18 | B | IRail | revised |
| S6-231957 | Updating private call using FA | Ericsson | 23.280 | 0399 | 1 | Rel-18 | B | IRail | agreed |
| S6-231812 | Corrections to Ad hoc group emergency alert request information flow | Samsung | 23.280 | 0400 | - | Rel-18 | F | enh4MCPTT | revised |
| S6-231986 | Corrections to Ad hoc group emergency alert request information flow | Samsung | 23.280 | 0400 | 1 | Rel-18 | F | enh4MCPTT | agreed |
| S6-231814 | Corrections to preconfigured regroup request information flow | Samsung | 23.280 | 0401 | - | Rel-18 | F | enh4MCPTT | revised |
| S6-231955 | Corrections to preconfigured regroup request information flow | Samsung | 23.280 | 0401 | 1 | Rel-18 | F | enh4MCPTT | agreed |
| S6-231815 | Moving emergency alert information flow under emergency alert section | Samsung | 23.280 | 0402 | - | Rel-18 | F | enh4MCPTT | revised |
| S6-231956 | Moving emergency alert information flow under emergency alert section | Samsung | 23.280 | 0402 | 1 | Rel-18 | D | enh4MCPTT | agreed |
| S6-231829 | Correction of the GW-local and GW-core interface | Huawei, Hisilicon, | 23.280 | 0403 | - | Rel-18 | F | MCGWUE | agreed |
| S6-231830 | Clarification on connection authorisation of an MC gateway client hosted by an MC gateway UE | Huawei, Hisilicon | 23.280 | 0404 | - | Rel-18 | F | MCGWUE | noted |
| S6-231831 | Update the information flows related with GWUE procedures | Huawei, Hisilicon | 23.280 | 0405 | - | Rel-18 | F | MCGWUE | noted |
| S6-231948 | Update the information flows related with GWUE procedures | Huawei, Hisilicon | 23.280 | 0405 | 1 | Rel-18 | F | MCGWUE | withdrawn |
| S6-231710 | Correct MCVideo ad hoc group call information tables | at&t | 23.281 | 0179 | - | Rel-18 | F | enh4MCPTT | revised |
| S6-231979 | Correct MCVideo ad hoc group call information tables | at&t | 23.281 | 0179 | 1 | Rel-18 | F | enh4MCPTT | revised |
| S6-231990 | Correct MCVideo ad hoc group call information tables | at&t | 23.281 | 0179 | 2 | Rel-18 | F | MC\_AHGC | agreed |
| S6-231771 | Addressing EN related to user configuration for ad hoc MCVideo communication | Ericsson | 23.281 | 0180 | - | Rel-18 | C | MC\_AHGC | agreed |
| S6-231810 | Updates adhoc group call procedures for allowing a subsequent MCVideo call after an adhoc group emergency alert | Nokia, Nokia Shanghai Bell | 23.281 | 0181 | - | Rel-18 | B | MC\_AHGC | revised |
| S6-231964 | Updates adhoc group call procedures for allowing a subsequent MCVideo call after an adhoc group emergency alert | Nokia, Nokia Shanghai Bell | 23.281 | 0181 | 1 | Rel-18 | B | MC\_AHGC | agreed |
| S6-231817 | Corrections to ad hoc group call setup procedure involving multiple MC system | Samsung | 23.281 | 0182 | - | Rel-18 | F | MC\_AHGC | agreed |
| S6-231767 | Example of MCData services which are not handled by SIP core | Ericsson, Kontron Transportation France | 23.282 | 0309 | 1 | Rel-18 | F | enh4MCPTT | revised |
| S6-231937 | Example of MCData services which are not handled by SIP core | Ericsson, Kontron Transportation France | 23.282 | 0309 | 2 | Rel-18 | F | enh4MCPTT | revised |
| S6-231985 | Example of MCData services which are not handled by SIP core | Ericsson, Kontron Transportation France | 23.282 | 0309 | 3 | Rel-18 | F | enh4MCPTT | agreed |
| S6-231685 | Corrections for ad hoc group data communication setup | Kontron Transportation France | 23.282 | 0312 | - | Rel-19 | F | MC\_AHGC | revised |
| S6-231959 | Corrections for ad hoc group data communication setup | Kontron Transportation France | 23.282 | 0312 | 1 | Rel-19 | F | MC\_AHGC | revised |
| S6-231996 | Corrections for ad hoc group data communication setup | Kontron Transportation France | 23.282 | 0312 | 2 | Rel-19 | F | MC\_AHGC | agreed |
| S6-231711 | Correct MCData ID usage in some information flow tables | at&t | 23.282 | 0313 | - | Rel-18 | F | enh4MCPTT | revised |
| S6-231952 | Correct MCData ID usage in some information flow tables | at&t | 23.282 | 0313 | 1 | Rel-18 | F | enh4MCPTT | revised |
| S6-231994 | Correct MCData ID usage in some information flow tables | at&t | 23.282 | 0313 | 2 | Rel-18 | F | MC\_AHGC | agreed |
| S6-231712 | MCData ad hoc group ID correction | at&t | 23.282 | 0314 | - | Rel-18 | F | enh4MCPTT | revised |
| S6-231980 | MCData ad hoc group ID correction | at&t | 23.282 | 0314 | 1 | Rel-18 | F | MC\_AHGC | agreed |
| S6-231713 | Remove unnecessary information flow tables | at&t | 23.282 | 0315 | - | Rel-18 | F | enh4MCPTT | revised |
| S6-231981 | Remove unnecessary information flow tables | at&t | 23.282 | 0315 | 1 | Rel-18 | F | enh4MCPTT | revised |
| S6-231991 | Remove unnecessary information flow tables | at&t | 23.282 | 0315 | 2 | Rel-18 | F | MC\_AHGC | agreed |
| S6-231811 | Updates adhoc group call procedures for allowing a subsequent MCData communication after an adhoc group emergency alert | Nokia, Nokia Shanghai Bell | 23.282 | 0316 | - | Rel-18 | B | MC\_AHGC | revised |
| S6-231965 | Updates adhoc group call procedures for allowing a subsequent MCData communication after an adhoc group emergency alert | Nokia, Nokia Shanghai Bell | 23.282 | 0316 | 1 | Rel-18 | B | MC\_AHGC | agreed |
| S6-231821 | Information flows and procedures to support ad hoc group standalone short data service using signalling control plane | Samsung | 23.282 | 0317 | - | Rel-18 | B | MC\_AHGC | not pursued |
| S6-231966 | Information flows and procedures to support ad hoc group standalone short data service using signalling control plane | Samsung | 23.282 | 0317 | 1 | Rel-18 | B | MC\_AHGC | withdrawn |
| S6-231862 | VAE client enabled V2P communication schedule configuration | Lenovo | 23.286 | 0077 | - | Rel-18 | B | V2XAPP\_Ph3 | agreed |
| S6-231673 | Corrections for ad hoc group call setup | Kontron Transportation France | 23.379 | 0347 | - | Rel-18 | F | MC\_AHGC | revised |
| S6-231958 | Corrections for ad hoc group call setup | Kontron Transportation France | 23.379 | 0347 | 1 | Rel-18 | F | MC\_AHGC | revised |
| S6-231995 | Corrections for ad hoc group call setup | Kontron Transportation France | 23.379 | 0347 | 2 | Rel-18 | F | MC\_AHGC | agreed |
| S6-231697 | Addition of Call Release Reason code in the PES based Call Disconnect procedure | Motorola Solutions, UKHO | 23.379 | 0348 | - | Rel-18 | F | enh4MCPTT | revised |
| S6-231950 | Addition of Call Release Reason code in the PES based Call Disconnect procedure | Motorola Solutions, UKHO | 23.379 | 0348 | 1 | Rel-18 | F | enh4MCPTT | revised |
| S6-231989 | Addition of Call Release Reason code in the PES based Call Disconnect procedure | Motorola Solutions, UKHO | 23.379 | 0348 | 2 | Rel-18 | F | enh4MCPTT | agreed |
| S6-231714 | Correct MCPTT ID usage in some information flow tables | at&t | 23.379 | 0349 | - | Rel-18 | F | enh4MCPTT | revised |
| S6-231982 | Correct MCPTT ID usage in some information flow tables | at&t | 23.379 | 0349 | 1 | Rel-18 | F | enh4MCPTT | revised |
| S6-231992 | Correct MCPTT ID usage in some information flow tables | at&t | 23.379 | 0349 | 2 | Rel-18 | F | enh4MCPTT | agreed |
| S6-231715 | MCPTT group ID correction | at&t | 23.379 | 0350 | - | Rel-18 | F | enh4MCPTT | revised |
| S6-231983 | MCPTT group ID correction | at&t | 23.379 | 0350 | 1 | Rel-18 | F | MC\_AHGC | agreed |
| S6-231716 | Remove unnecessary information flow tables | at&t | 23.379 | 0351 | - | Rel-18 | F | enh4MCPTT | revised |
| S6-231984 | Remove unnecessary information flow tables | at&t | 23.379 | 0351 | 1 | Rel-18 | F | enh4MCPTT | revised |
| S6-231993 | Remove unnecessary information flow tables | at&t | 23.379 | 0351 | 2 | Rel-18 | F | MC\_AHGC | agreed |
| S6-231770 | Addressing EN related to user configuration for ad hoc MCPTT communication | Ericsson | 23.379 | 0352 | - | Rel-18 | C | MC\_AHGC | revised |
| S6-231962 | Addressing EN related to user configuration for ad hoc MCPTT communication | Ericsson | 23.379 | 0352 | 1 | Rel-18 | C | MC\_AHGC | agreed |
| S6-231772 | User regroup MC service ID list update | Ericsson | 23.379 | 0353 | - | Rel-18 | B | enh4MCPTT | revised |
| S6-231954 | User regroup MC service ID list update | Ericsson | 23.379 | 0353 | 1 | Rel-18 | B | enh4MCPTT | agreed |
| S6-231796 | Updates adhoc group call procedures for allowing a subsequent MCPTT call after an adhoc group emergency alert | Nokia, Nokia Shanghai Bell | 23.379 | 0354 | - | Rel-18 | B | MC\_AHGC | revised |
| S6-231963 | Updates adhoc group call procedures for allowing a subsequent MCPTT call after an adhoc group emergency alert | Nokia, Nokia Shanghai Bell | 23.379 | 0354 | 1 | Rel-18 | B | MC\_AHGC | agreed |
| S6-231819 | Corrections to ad hoc group call setup procedure involving multiple MC system | Samsung R&D Institute India | 23.379 | 0355 | - | Rel-18 | F | MC\_AHGC | withdrawn |
| S6-231822 | Corrections to ad hoc group call setup procedure involving multiple MC system | Samsung | 23.379 | 0356 | - | Rel-18 | F | MC\_AHGC | agreed |
| S6-231906 | VAL server provisioning for Key Management Server | Samsung | 23.434 | 0160 | 4 | Rel-18 | B | SEAL\_Ph3 | agreed |
| S6-231786 | Update reference for location access type | CATT | 23.434 | 0216 | - | Rel-18 | F | 5GFLS | agreed |
| S6-231787 | Update Annex D | CATT | 23.434 | 0217 | - | Rel-18 | F | 5GFLS | agreed |
| S6-231789 | Add SEAL-3P reference point | CATT | 23.434 | 0218 | - | Rel-18 | B | 5GFLS | revised |
| S6-232034 | Add SEAL-3P reference point | CATT | 23.434 | 0218 | 1 | Rel-18 | B | 5GFLS | agreed |
| S6-231790 | Editorial change for Location area monitoring unsubscribe response | CATT | 23.434 | 0219 | - | Rel-18 | F | 5GFLS | revised |
| S6-232035 | Editorial change for Location area monitoring unsubscribe response | CATT | 23.434 | 0219 | 1 | Rel-18 | F | 5GFLS | agreed |
| S6-231834 | NRM support socket operation | Huawei, Hisilicon | 23.434 | 0220 | - | Rel-18 | B | SEAL\_Ph3 | revised |
| S6-231946 | NRM support socket operation | Huawei, Hisilicon | 23.434 | 0220 | 1 | Rel-18 | B | SEAL\_Ph3 | revised |
| S6-232037 | NRM support socket operation | Huawei, Hisilicon | 23.434 | 0220 | 2 | Rel-18 | B | SEAL\_Ph3 | noted |
| S6-231837 | Clarification of VAL service area ID based triggering criteria | Samsung | 23.434 | 0221 | - | Rel-18 | F | SEAL\_Ph3 | postponed |
| S6-232038 | Clarification of VAL service area ID based triggering criteria | Samsung | 23.434 | 0221 | 1 | Rel-18 | F | SEAL\_Ph3 | withdrawn |
| S6-231866 | Clarify non-3GPP access | Ericsson | 23.434 | 0222 | - | Rel-18 | F | 5GFLS | revised |
| S6-232033 | Clarify non-3GPP access | Ericsson | 23.434 | 0222 | 1 | Rel-18 | F | 5GFLS | agreed |
| S6-231916 | SEAL NRM determines time synchronization activation for TSC stream | Ericsson Telecomunicazioni SpA | 23.434 | 0223 | - | Rel-18 | B | eSEAL | revised |
| S6-232040 | SEAL NRM determines time synchronization activation for TSC stream | Ericsson Telecomunicazioni SpA | 23.434 | 0223 | 1 | Rel-18 | B | eSEAL | revised |
| S6-232169 | SEAL NRM determines time synchronization activation for TSC stream | Ericsson Telecomunicazioni SpA | 23.434 | 0223 | 2 | Rel-18 | B | eSEAL | agreed |
| S6-231670 | Modification of security credentials IE | one2many | 23.554 | 0121 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | Agreed |
| S6-231671 | Resolution of EN in 8.4.2 | one2many | 23.554 | 0126 | - | Rel-18 | F | 5GMARCH\_Ph2 | Agreed |
| S6-231672 | Resolution of ENs in 8.5.x | one2many | 23.554 | 0127 | - | Rel-18 | C | 5GMARCH\_Ph2 | revised |
| S6-231968 | Resolution of ENs in 8.5.x | one2many | 23.554 | 0127 | 1 | Rel-18 | C | 5GMARCH\_Ph2 | revised |
| S6-231988 | Resolution of ENs in 8.5.x | one2many | 23.554 | 0127 | 2 | Rel-18 | C | 5GMARCH\_Ph2 | agreed |
| S6-231758 | some correction on identities | China Mobile | 23.554 | 0128 | - | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-231969 | some correction on identities | China Mobile | 23.554 | 0128 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-231759 | update of 8.2.7 MSGin5G UE bulk registration based on constrained UE related architecture | China Mobile | 23.554 | 0129 | - | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-231760 | update of clause 8.2.8 | China Mobile | 23.554 | 0130 | - | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-231970 | update of clause 8.2.8 | China Mobile | 23.554 | 0130 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-231998 | update of clause 8.2.8 | China Mobile | 23.554 | 0130 | 2 | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-231761 | update of clause 8.2.9 and 8.2.10 for Non-MSGin5G UE bulk (de)registration | China Mobile | 23.554 | 0131 | - | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-231971 | update of clause 8.2.9 and 8.2.10 for Non-MSGin5G UE bulk (de)registration | China Mobile | 23.554 | 0131 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-231762 | update of clause 8.2.11 MSGin5G UE bulk de-registration | China Mobile | 23.554 | 0132 | - | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-231972 | update of clause 8.2.11 MSGin5G UE bulk de-registration | China Mobile | 23.554 | 0132 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-231763 | update of clause 8.11.1 | China Mobile | 23.554 | 0133 | - | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-231973 | update of clause 8.11.1 | China Mobile | 23.554 | 0133 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-231764 | update of Application Client (de-)registration using MSGin5G Client | China Mobile | 23.554 | 0134 | - | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-231974 | update of Application Client (de-)registration using MSGin5G Client | China Mobile | 23.554 | 0134 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-232130 | update of Application Client (de-)registration using MSGin5G Client | China Mobile | 23.554 | 0134 | 2 | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-231765 | update of Application Client sending and receiving message using MSGin5G Client | China Mobile | 23.554 | 0135 | - | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-231975 | update of Application Client sending and receiving message using MSGin5G Client | China Mobile | 23.554 | 0135 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-231816 | Clarify procedures in clause 8.3 with corrections | at&t, China Mobile | 23.554 | 0136 | - | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-231978 | Clarify procedures in clause 8.3 with corrections | at&t, China Mobile | 23.554 | 0136 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-231818 | Clarify when the MSGin5G device triggering procedure can be used | at&t, China Mobile | 23.554 | 0137 | - | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-231967 | Clarify when the MSGin5G device triggering procedure can be used | at&t, China Mobile | 23.554 | 0137 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | noted |
| S6-231820 | New Annex for Message Delivery Flow | at&t, China Mobile | 23.554 | 0138 | - | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-231977 | New Annex for Message Delivery Flow | at&t, China Mobile | 23.554 | 0138 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-231903 | Reliable Edge Computing | Samsung | 23.558 | 0242 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | not pursued |
| S6-231719 | Moving alignment Annex from TS to external TR | Intel Technology India Pvt Ltd., Nokia | 23.558 | 0271 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232157 | Moving alignment Annex from TS to external TR | Intel Technology India Pvt Ltd., Nokia | 23.558 | 0271 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231741 | Common EAS discovery | InterDigital [Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone] | 23.558 | 0308 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-231847 | Common EAS discovery | Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone | 23.558 | 0308 | 4 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232098 | Common EAS discovery | Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone | 23.558 | 0308 | 5 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232102 | Common EAS discovery | InterDigital | 23.558 | 0308 | 6 | Rel-18 | B | EDGEAPP\_Ph2 | merged |
| S6-232155 | Common EAS discovery | Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, ZTE, Vodafone, InterDigital | 23.558 | 0308 | 7 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232173 | Common EAS discovery | Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone, InterDigital | 23.558 | 0308 | 8 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232207 | Common EAS discovery | Huawei, Hisilicon, Samsung, Apple, Qualcomm, CMCC, Ericsson, Hytera, CATT, TD-tech, China Telecom, Convida, ZTE, Vodafone, InterDigital | 23.558 | 0308 | 9 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231904 | ENS – IE tables updates | Samsung | 23.558 | 0312 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232114 | ENS – IE tables updates | Samsung | 23.558 | 0312 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232142 | ENS – IE tables updates | Samsung | 23.558 | 0312 | 4 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231905 | Edge Node Sharing solution | Samsung | 23.558 | 0313 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | not pursued |
| S6-232115 | Edge Node Sharing solution | Samsung | 23.558 | 0313 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | withdrawn |
| S6-231840 | Removing AC registration | Qualcomm | 23.558 | 0315 | 1 | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232082 | Removing AC registration | Qualcomm | 23.558 | 0315 | 2 | Rel-18 | C | EDGEAPP\_Ph2 | agreed |
| S6-231777 | Information flows - Federation and roaming | NTT DOCOMO | 23.558 | 0317 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232111 | Information flows - Federation and roaming | NTT DOCOMO | 23.558 | 0317 | 4 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232141 | Information flows - Federation and roaming | NTT DOCOMO, Qualcomm, Samsung | 23.558 | 0317 | 5 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231844 | EAS bundle types and bundle requirements | Qualcomm | 23.558 | 0321 | 2 | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232118 | EAS bundle types and bundle requirements | Qualcomm | 23.558 | 0321 | 3 | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232119 | EAS bundle types and bundle requirements | Qualcomm | 23.558 | 0321 | 4 | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232150 | EAS bundle types and bundle requirements | Qualcomm | 23.558 | 0321 | 5 | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232171 | EAS bundle types and bundle requirements | Qualcomm, Huawei | 23.558 | 0321 | 6 | Rel-18 | C | EDGEAPP\_Ph2 | agreed |
| S6-231926 | EES specfic UE ID | KPN | 23.558 | 0326 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | not pursued |
| S6-231876 | More procedures with CES | Ericsson | 23.558 | 0328 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232028 | More procedures with CES | Ericsson | 23.558 | 0328 | 4 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232134 | More procedures with CES | Ericsson | 23.558 | 0328 | 5 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231918 | CAS decided ACR scenario via service provisioning triggering for CESless architecture | KPN N.V. | 23.558 | 0344 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | not pursued |
| S6-231707 | ACR for Bundle and Composite EAS | Samsung | 23.558 | 0348 | 2 | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232175 | ACR for Bundle and Composite EAS | Samsung | 23.558 | 0348 | 3 | Rel-18 | C | EDGEAPP\_Ph2 | merged |
| S6-231691 | Application groups entity relationships | Vodafone, Apple | 23.558 | 0349 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232097 | Application groups entity relationships | Vodafone, Apple | 23.558 | 0349 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231674 | UE Identifier API call by EEC triggering EES notify EAS of UEID directly | AT&T | 23.558 | 0350 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232012 | UE Identifier API call by EEC triggering EES notify EAS of UEID directly | AT&T | 23.558 | 0350 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | not pursued |
| S6-232133 | UE Identifier API call by EEC triggering EES notify EAS of UEID directly | AT&T | 23.558 | 0350 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | withdrawn |
| S6-231680 | Distinguish S-EES and T-EES in configuration information | China Telecommunications | 23.558 | 0351 | - | Rel-18 | C | EDGEAPP\_Ph2 | withdrawn |
| S6-231681 | Distinguish S-EES and T-EES in EDN configuration information | China Telecom | 23.558 | 0352 | - | Rel-18 | C | EDGEAPP\_Ph2 | noted |
| S6-231682 | Modification to AC profile | China Telecom | 23.558 | 0353 | - | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232031 | Modification to AC profile | China Telecom | 23.558 | 0353 | 1 | Rel-18 | C | EDGEAPP\_Ph2 | agreed |
| S6-231683 | Clarification on the decision-making entity and execution entity | China Telecom | 23.558 | 0354 | - | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232020 | Clarification on the decision-making entity and execution entity | China Telecom | 23.558 | 0354 | 1 | Rel-18 | F | EDGEAPP\_Ph2 | agreed |
| S6-231703 | EEC Triggering execution for Service Provisioning | Samsung | 23.558 | 0355 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232009 | EEC Triggering execution for Service Provisioning | Samsung | 23.558 | 0355 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231706 | EEC Triggering execution | Samsung | 23.558 | 0356 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232010 | EEC Triggering execution | Samsung | 23.558 | 0356 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232185 | EEC Triggering execution | Samsung | 23.558 | 0356 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231708 | Application Group Profile EN resolution proposal | Apple Portugal | 23.558 | 0357 | - | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232099 | Application Group Profile EN resolution proposal | Apple Portugal | 23.558 | 0357 | 1 | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232136 | Application Group Profile EN resolution proposal | Apple Portugal | 23.558 | 0357 | 2 | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232154 | Application Group Profile EN resolution proposal | Apple Portugal | 23.558 | 0357 | 3 | Rel-18 | C | EDGEAPP\_Ph2 | agreed |
| S6-231709 | Clarification Application Group ID definition | Apple Portugal | 23.558 | 0358 | - | Rel-18 | D | EDGEAPP\_Ph2 | revised |
| S6-232101 | Clarification Application Group ID definition | Apple Portugal | 23.558 | 0358 | 1 | Rel-18 | D | EDGEAPP\_Ph2 | agreed |
| S6-231717 | Alignment of terminologies for the ECSP management system | ETRI, Uangel | 23.558 | 0359 | - | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232004 | Alignment of terminologies for the ECSP management system | ETRI, Uangel | 23.558 | 0359 | 1 | Rel-17 | F | EDGEAPP\_Ph2 | agreed |
| S6-231718 | Handling instantiation-in-progress status at the EAS discovery subscription procedure | ETRI, Uangel | 23.558 | 0360 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232104 | Handling instantiation-in-progress status at the EAS discovery subscription procedure | ETRI, Uangel | 23.558 | 0360 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231735 | Provision ECAI together with PLMN ID to 5GC | vivo | 23.558 | 0361 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232019 | Provision ECAI together with PLMN ID to 5GC | vivo | 23.558 | 0361 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231737 | EEC Triggering setup for EAS discovery | Samsung | 23.558 | 0362 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232011 | EEC Triggering setup for EAS discovery | Samsung | 23.558 | 0362 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231740 | ACR Parameter Information procedure clarification | InterDigital | 23.558 | 0363 | - | Rel-18 | D | EDGEAPP\_Ph2 | agreed |
| S6-231742 | DNS resolution of CAS | InterDigital | 23.558 | 0364 | - | Rel-18 | C | EDGEAPP\_Ph2 | merged |
| S6-232025 | DNS resolution of CAS | InterDigital | 23.558 | 0364 | 1 | Rel-18 | C | EDGEAPP\_Ph2 | withdrawn |
| S6-231743 | Support for ACR between EAS and CAS | InterDigital | 23.558 | 0365 | - | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232026 | Support for ACR between EAS and CAS | InterDigital | 23.558 | 0365 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231744 | Corrections to ACR management event notification | InterDigital | 23.558 | 0366 | - | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232021 | Corrections to ACR management event notification | InterDigital | 23.558 | 0366 | 1 | Rel-18 | F | EDGEAPP\_Ph2 | agreed |
| S6-231766 | EASID definition update | AT&T | 23.558 | 0367 | - | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232006 | EASID definition update | AT&T | 23.558 | 0367 | 1 | Rel-18 | A | EDGEAPP\_Ph2 | agreed |
| S6-231775 | Information element alignment for ECS discovery | NTT DOCOMO | 23.558 | 0368 | - | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-232110 | Information element alignment for ECS discovery | NTT DOCOMO | 23.558 | 0368 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | withdrawn |
| S6-231778 | EESID correction | NTT DOCOMO | 23.558 | 0369 | - | Rel-18 | F | EDGEAPP\_Ph2 | not pursued |
| S6-231779 | Use of ECS profile instead of ECS configuration information | NTT DOCOMO | 23.558 | 0370 | - | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231780 | Service continuity for EAS composition | NTT DOCOMO | 23.558 | 0371 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232123 | Service continuity for EAS composition | NTT DOCOMO | 23.558 | 0371 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231781 | Enhancements for EAS synchronization | NTT DOCOMO | 23.558 | 0372 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232108 | Enhancements for EAS synchronization | NTT DOCOMO | 23.558 | 0372 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | merged |
| S6-232174 | Enhancements for EAS synchronization | NTT DOCOMO | 23.558 | 0372 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | withdrawn |
| S6-231841 | Details of EAS information | Qualcomm | 23.558 | 0373 | - | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232018 | Details of EAS information | Qualcomm | 23.558 | 0373 | 1 | Rel-18 | C | EDGEAPP\_Ph2 | agreed |
| S6-231842 | EDGE-5 APIs | Qualcomm | 23.558 | 0374 | - | Rel-18 | C | EDGEAPP\_Ph2 | not pursued |
| S6-231845 | ACR for EAS bundles | Qualcomm | 23.558 | 0375 | - | Rel-18 | C | EDGEAPP\_Ph2 | not pursued |
| S6-231848 | Bundle EAS ACR within the same DNAI for S-EES executed ACR | Huawei, Hisilicon, Hytera, CMCC | 23.558 | 0376 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232124 | Bundle EAS ACR within the same DNAI for S-EES executed ACR | Huawei, Hisilicon, Hytera, CMCC | 23.558 | 0376 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232152 | Bundle EAS ACR within the same DNAI for S-EES executed ACR | Huawei, Hisilicon, Hytera, CMCC | 23.558 | 0376 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231849 | EAS instantiation considering different ACR type | Huawei, Hisilicon, | 23.558 | 0377 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232105 | EAS instantiation considering different ACR type | Huawei, Hisilicon, | 23.558 | 0377 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232164 | EAS instantiation considering different ACR type | Huawei, Hisilicon, | 23.558 | 0377 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232189 | EAS instantiation considering different ACR type | Huawei, Hisilicon, | 23.558 | 0377 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232203 | EAS instantiation considering different ACR type | Huawei, Hisilicon, | 23.558 | 0377 | 4 | Rel-18 | B | EDGEAPP\_Ph2 | not pursued |
| S6-231850 | Fix the in-consistency for the service continuity support | Huawei, Hisilicon, Hytera, | 23.558 | 0378 | - | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232005 | Fix the in-consistency for the service continuity support | Huawei, Hisilicon, Hytera, | 23.558 | 0378 | 1 | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232184 | Fix the in-consistency for the service continuity support | Huawei, Hisilicon, Hytera, | 23.558 | 0378 | 2 | Rel-18 | F | EDGEAPP\_Ph2 | agreed |
| S6-231851 | Fix the misalignment on UE ID API request | Huawei, Hisilicon | 23.558 | 0379 | - | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232016 | Fix the misalignment on UE ID API request | Huawei, Hisilicon | 23.558 | 0379 | 1 | Rel-18 | F | EDGEAPP\_Ph2 | agreed |
| S6-231852 | Remove the Edge-7 aspect in UE ID API procedure | Huawei, Hisilicon | 23.558 | 0380 | - | Rel-18 | F | EDGEAPP\_Ph2 | not pursued |
| S6-231853 | Resolve EN in bundle EAS information | Huawei, Hisilicon, Hytera | 23.558 | 0381 | - | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232120 | Resolve EN in bundle EAS information | Huawei, Hisilicon, Hytera | 23.558 | 0381 | 1 | Rel-18 | F | EDGEAPP\_Ph2 | merged |
| S6-231854 | T-EES discovery enhancement for composite EAS | Huawei, Hisilicon, Hytera, | 23.558 | 0382 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232125 | T-EES discovery enhancement for composite EAS | Huawei, Hisilicon, Hytera, | 23.558 | 0382 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232153 | T-EES discovery enhancement for composite EAS | Huawei, Hisilicon, Hytera, Samsung | 23.558 | 0382 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232208 | T-EES discovery enhancement for composite EAS | Huawei, Hisilicon, Hytera, Samsung | 23.558 | 0382 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231867 | ACR for EAS bundle | Ericsson | 23.558 | 0383 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232121 | ACR for EAS bundle | Ericsson | 23.558 | 0383 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232135 | ACR for EAS bundle | Ericsson | 23.558 | 0383 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232151 | ACR for EAS bundle | Ericsson, Huawei, Samsung | 23.558 | 0383 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232201 | ACR for EAS bundle | Ericsson, Huawei, Samsung | 23.558 | 0383 | 4 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231868 | Service continuity in ENS via leading ECSP | Ericsson | 23.558 | 0384 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232113 | Service continuity in ENS via leading ECSP | Ericsson | 23.558 | 0384 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232143 | Service continuity in ENS via leading ECSP | Ericsson | 23.558 | 0384 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | not pursued |
| S6-231869 | EAS synchronization | Ericsson | 23.558 | 0385 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232109 | EAS synchronization | Ericsson | 23.558 | 0385 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232140 | EAS synchronization | Ericsson | 23.558 | 0385 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232166 | EAS synchronization | Ericsson, NTT DOCOMO, Samsung | 23.558 | 0385 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232205 | EAS synchronization | Ericsson, NTT DOCOMO, Samsung | 23.558 | 0385 | 4 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231870 | Edge performance prediction | Ericsson | 23.558 | 0386 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232107 | Edge performance prediction | Ericsson | 23.558 | 0386 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232139 | Edge performance prediction | Ericsson, Samsung | 23.558 | 0386 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232165 | Edge performance prediction | Ericsson, Samsung | 23.558 | 0386 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232204 | Edge performance prediction | Ericsson, Samsung | 23.558 | 0386 | 4 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231871 | IE table update for ENS | Ericsson | 23.558 | 0387 | - | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231872 | Interaction with CR in common EAS discovery | Ericsson | 23.558 | 0388 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232103 | Interaction with CR in common EAS discovery | Ericsson | 23.558 | 0388 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232137 | Interaction with CR in common EAS discovery | Ericsson | 23.558 | 0388 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232156 | Interaction with CR in common EAS discovery | Ericsson | 23.558 | 0388 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231873 | Selected EES declaration | Ericsson | 23.558 | 0389 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232027 | Selected EES declaration | Ericsson | 23.558 | 0389 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232187 | Selected EES declaration | Ericsson | 23.558 | 0389 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231890 | Correction and alignment for EAS instantiation status | Huawei, Hisilicon | 23.558 | 0390 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232106 | Correction and alignment for EAS instantiation status | Huawei, Hisilicon | 23.558 | 0390 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232138 | Correction and alignment for EAS instantiation status | Huawei, Hisilicon | 23.558 | 0390 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231891 | Ability details of handling bundled EAS ACR | Huawei, Hisilicon | 23.558 | 0391 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232122 | Ability details of handling bundled EAS ACR | Huawei, Hisilicon | 23.558 | 0391 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231894 | Resolving SA3 dependent ENs | Samsung | 23.558 | 0392 | - | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232007 | Resolving SA3 dependent ENs | Samsung | 23.558 | 0392 | 1 | Rel-18 | F | EDGEAPP\_Ph2 | agreed |
| S6-231895 | Resolving EN related to possible deployment models of the ECS | Samsung | 23.558 | 0393 | - | Rel-18 | F | EDGEAPP\_Ph2 | agreed |
| S6-231896 | Resolving EN about updating EEC Context with EDGE-3 subscriptions | Samsung | 23.558 | 0394 | - | Rel-18 | F | EDGEAPP\_Ph2 | agreed |
| S6-231897 | Resolving EN related to redirection | Samsung | 23.558 | 0395 | - | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232112 | Resolving EN related to redirection | Samsung | 23.558 | 0395 | 1 | Rel-18 | F | EDGEAPP\_Ph2 | agreed |
| S6-231898 | Resolving EN on constrained device identification | Samsung | 23.558 | 0396 | - | Rel-18 | F | EDGEAPP\_Ph2 | agreed |
| S6-231899 | Resolving EN related to wait for current ACR to complete | Samsung | 23.558 | 0397 | - | Rel-18 | F | EDGEAPP\_Ph2 | postponed |
| S6-232022 | Resolving EN related to wait for current ACR to complete | Samsung | 23.558 | 0397 | 1 | Rel-18 | F | EDGEAPP\_Ph2 | withdrawn |
| S6-231900 | Resolving EN related to service continuity planning indication | Samsung | 23.558 | 0398 | - | Rel-18 | F | EDGEAPP\_Ph2 | not pursued |
| S6-232023 | Resolving EN related to service continuity planning indication | Samsung | 23.558 | 0398 | 1 | Rel-18 | F | EDGEAPP\_Ph2 | withdrawn |
| S6-231901 | Resolving EN related to ACR | Samsung | 23.558 | 0399 | - | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232024 | Resolving EN related to ACR | Samsung | 23.558 | 0399 | 1 | Rel-18 | F | EDGEAPP\_Ph2 | agreed |
| S6-231902 | Resolving SA5 dependent EN | Samsung | 23.558 | 0400 | - | Rel-18 | F | EDGEAPP\_Ph2 | postponed |
| S6-232008 | Resolving SA5 dependent EN | Samsung | 23.558 | 0400 | 1 | Rel-18 | F | EDGEAPP\_Ph2 | withdrawn |
| S6-231917 | CAS decided ACR scenario via old S-EES for CESless architecture | KPN N.V. | 23.558 | 0401 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232029 | CAS decided ACR scenario via old S-EES for CESless architecture | KPN N.V. | 23.558 | 0401 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232188 | CAS decided ACR scenario via old S-EES for CESless architecture | KPN N.V. | 23.558 | 0401 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-231919 | EEC subscribing to SEAL notification service and requesting UE ID in ACR to CAS | KPN N.V. | 23.558 | 0402 | - | Rel-18 | C | EDGEAPP\_Ph2 | agreed |
| S6-231920 | AC information exposure update and correction | Convida Wireless LLC | 23.558 | 0403 | - | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232126 | AC information exposure update and correction | Convida Wireless LLC | 23.558 | 0403 | 1 | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232172 | AC information exposure update and correction | Convida Wireless LLC | 23.558 | 0403 | 2 | Rel-18 | F | EDGEAPP\_Ph2 | revised |
| S6-232202 | AC information exposure update and correction | Convida Wireless LLC | 23.558 | 0403 | 3 | Rel-18 | F | EDGEAPP\_Ph2 | agreed |
| S6-231922 | Resolving the ENs related to retrieve EES procedure | Samsung | 23.558 | 0404 | - | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232100 | Resolving the ENs related to retrieve EES procedure | Samsung | 23.558 | 0404 | 1 | Rel-18 | C | EDGEAPP\_Ph2 | agreed |
| S6-231924 | Resolving EN in ACR to Cloud | Samsung | 23.558 | 0405 | - | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232030 | Resolving EN in ACR to Cloud | Samsung | 23.558 | 0405 | 1 | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232170 | Resolving EN in ACR to Cloud | Samsung, InterDigital | 23.558 | 0405 | 2 | Rel-18 | C | EDGEAPP\_Ph2 | revised |
| S6-232200 | Resolving EN in ACR to Cloud | Samsung, InterDigital | 23.558 | 0405 | 3 | Rel-18 | C | EDGEAPP\_Ph2 | agreed |
| S6-232013 | EESID correction | NTT DOCOMO | 23.558 | 0406 | - | Rel-17 | F | EDGEAPP | revised |
| S6-232128 | EESID correction | NTT DOCOMO | 23.558 | 0406 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-232014 | EESID correction | NTT DOCOMO | 23.558 | 0407 | - | Rel-18 | A | EDGEAPP | agreed |
| S6-232015 | Alignment of terminologies for the ECSP management system | ETRI, Uangel | 23.558 | 0408 | - | Rel-18 | A | EDGEAPP\_Ph2 | revised |
| S6-232162 | Alignment of terminologies for the ECSP management system | ETRI, Uangel | 23.558 | 0408 | 1 | Rel-18 | A | EDGEAPP\_Ph2 | agreed |
| S6-232017 | Use of EES specfic UE ID for EDGE-1 | KPN | 23.558 | 0409 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232080 | Use of EES specfic UE ID for EDGE-1 | KPN | 23.558 | 0409 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232186 | Use of EES specfic UE ID for EDGE-1 | KPN | 23.558 | 0409 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-232190 | Use of EES specfic UE ID for EDGE-1 | KPN | 23.558 | 0409 | 3 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-232032 | EASID definition update | AT&T | 23.558 | 0410 | - | Rel-17 | F | EDGEAPP\_Ph2 | agreed |
| S6-231921 | TR 23.700-97 General clean-up | Convida Wireless | 23.700-97 | 0003 | - | Rel-18 | D | FS\_ACE\_IOT | agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S6-231656 | OPG121 Doc\_04 | LS reply-2 to 3GPP SA6 on Clarification of Edge Node Sharing | OPG | postponed | (none) |
| S6-231657 | C1-232650 | Reply LS on 3GPP work on Energy Efficiency | CT1 | noted | (none) |
| S6-231658 | C3-231469 | Reply LS on EAS ID interpretation | CT3 | noted | (none) |
| S6-231659 | C3-231470 | Reply LS on 3GPP work on Energy Efficiency | CT3 | noted | (none) |
| S6-231660 | C3-231591 | LS on clarifications on V2X, UAS and SEAL entities acting as EAS | CT3 | replied to | S6-231939 |
| S6-231661 | C3-231604 | LS on the triggering criteria for the VAL service area in the SS\_LocationReporting API | CT3 | postponed | S6-231940 |
| S6-231662 | S2-2305883 | Reply to LS on AFId parameter value in EES invocation of Nnef\_UEId\_Get service | SA2 | noted | (none) |
| S6-231663 | S2-2306216 | Reply LS on Edge Configuration Server associated with or serves multiple PLMNs | SA2 | replied to | S6-231999 |
| S6-231664 | S4-230683 | Reply LS on the reuse of EVEX as specified in TS 26.531 | SA4 | replied to | S6-232001 |
| S6-231665 | S3-232118 | Reply LS on Alignment of SA3 security aspects for Personal IoT Networks | SA3 | replied to | S6-232076 |
| S6-231666 | SG13-LS83 | LS on initiation of new work item ITU-T Y.NGNe-CEE "Capability exposure enhancement in next generation network evolution (NGNe)" | ITU SG13 | postponed | (none) |
| S6-231667 | S5-233543 | LS reply to GSMA on publication of GSMA OPG and OPAG documents | SA5 | noted | (none) |
| S6-231668 | S5-233624 | LS on Reply LS on interface and exposure entities requirement for network slice management service | SA5 | noted | (none) |
| S6-231684 | MEC(23)000176r1 | Reply LS to 3GPP CT3 on EAS ID interpretation | ETSI ISG MEC | noted | (none) |
| S6-231931 | OPAG#55 Doc 03 | Reply on 3GPP TR 23.700-98 V1.2.0 Analysis | OPAG | replied to | S6-232127 |
| S6-231932 | S5-232903 | LS on 3GPP work on Energy Efficiency | SA5 | noted | (none) |
| S6-231933 | SP-230394 | Alignment of activities on UE data collection reporting and event exposure | SA | noted | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S6-231939 | Reply LS on clarifications on V2X, UAS and SEAL entities acting as EAS | CT3 | CT1 | S6-231660 |
| S6-231999 | LS reply on Edge Configuration Server associated with or serves multiple PLMNs | SA2 | CT1 | S6-231663 |
| S6-232001 | Reply LS on the reuse of EVEX as specified in TS 26.531 | SA4 | SA2, CT3 | S6-231664 |
| S6-232076 | Reply LS on Alignment of SA3 security aspects for Personal IoT Networks | SA3 | SA2 | S6-231665 |
| S6-232127 | LS on Reply LS on 3GPP TR 23.700-98 V1.2.0 Analysis | GSMA OPAG | SA | S6-231931 |
| S6-232145 | LS on LS reply to GSMA on publication of GSMA OPG and OPAG documents | GSMA OPG, OPAG | 3GPP SA2, SA5 | - |
| S6-232146 | LS for clarification on Federation Identifier | GSMA OPG | GSMA OPAG | - |
| S6-232197 | LS on REl-18 work on architecture for enabling Edge Applications | SA3, SA5 | - | - |
| S6-232198 | LS for clarification on EAS instantiation duration time | SA5 | - | - |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S6-232223 | Study on Service aspects for supporting the eMMTel Service | China Mobile Com. Corporation | SID new |
| S6-232224 | Study on enhanced application layer support for location service | CATT | SID new |
| S6-232194 | Sharing of administrative configuration between interconnected MC service systems | BDBOS | WID new |
| S6-232214 | WID on support of the 5GMSG Service phase 3 | China Mobile Com. Corporation | WID new |
| S6-232215 | Railways specific Enhancements to Mission Critical Services | Nokia, Nokia Shanghai Bell | WID new |
| S6-232220 | New WID on Enhanced Mission Critical Architecture for Rel-19 | Motorola Solutions | WID new |

## 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) |
| ALEKSIEV, Vasil | T-Mobile Austria GmbH | 3GPPMEMBER (ETSI) |
| ALHALASEH, Rana | Ericsson Inc. | 3GPPMEMBER (ATIS) |
| ANDRIANOV, Anatoly | Nokia Denmark | 3GPPMEMBER (ETSI) |
| AZEM, Dania | BDBOS | 3GPPMEMBER (ETSI) |
| BAE, Jaehyeon | Samsung Electronics Czech | 3GPPMEMBER (ETSI) |
| BEICHT, Peter | Kontron Transportation France | 3GPPMEMBER (ETSI) |
| BELLING, Thomas | Nokia Japan | 3GPPMEMBER (ARIB) |
| BOUAZIZI, Imed | Qualcomm CDMA Technologies | 3GPPMEMBER (ETSI) |
| CAKULEV, Violeta | Verizon Spain | 3GPPMEMBER (ETSI) |
| CASATI, Alessio | Nokia Italy | 3GPPMEMBER (ETSI) |
| CETINKAYA, Egemen | Verizon Denmark | 3GPPMEMBER (ETSI) |
| CHEN, Lijuan | ZTE Wistron Telecom AB | 3GPPMEMBER (ETSI) |
| CHITTURI, Suresh | Samsung Research America | 3GPPMEMBER (ATIS) |
| DENG, Qiang | CICT | 3GPPMEMBER (CCSA) |
| DESAI, Ritesh | Southern Linc. | 3GPPMEMBER (ATIS) |
| DONG, Hao | ZONSON | 3GPPMEMBER (CCSA) |
| EBSCHBACH, Linda | umlaut | 3GPPMEMBER (ETSI) |
| FEATHERSTONE, Walter | Apple Portugal | 3GPPMEMBER (ETSI) |
| FENG, Zhao | HuaWei Technologies Co., Ltd | 3GPPMEMBER (CCSA) |
| FLANDER, Andreas | BDBOS | 3GPPMEMBER (ETSI) |
| GACH, Guillaume | Union Inter. Chemins de Fer | 3GPPMEMBER (ETSI) |
| GAUTAM, Deepanshu | Samsung Nanjing | 3GPPMEMBER (CCSA) |
| GOIX, Laurent Walter | Nokia Netherlands | 3GPPMEMBER (ETSI) |
| GUIRGUIS, Ihab | FirstNet | 3GPPMEMBER (ATIS) |
| GUPTA, Nishant | Qualcomm Technologies Ireland | 3GPPMEMBER (ETSI) |
| HIETALAHTI, Hannu | Nokia Hungary | 3GPPMEMBER (ETSI) |
| HU, Yajie | HiSilicon Technologies Co. Ltd | 3GPPMEMBER (CCSA) |
| HU, Yushuang | CMDI | 3GPPMEMBER (CCSA) |
| INOUE, Yoshihiro | NTT Advanced Technology Corpor | 3GPPMEMBER (TTC) |
| JIAN, Zhang | HUAWEI Technologies Japan K.K. | 3GPPMEMBER (ARIB) |
| JU, Manchang | ZTE Corporation. | 3GPPMEMBER (CCSA) |
| KANG, Yanchao | vivo Mobile Com. (Chongqing) | 3GPPMEMBER (CCSA) |
| KAUSHIK, Ashutosh | Samsung Electronics Polska | 3GPPMEMBER (ETSI) |
| KEDALAGUDDE, Meghashree D | Intel Sweden AB | 3GPPMEMBER (ETSI) |
| KIM, Hyesung | Samsung Electronics Austria | 3GPPMEMBER (ETSI) |
| KOERSTEN, Frank | BDBOS | 3GPPMEMBER (ETSI) |
| KOLEKAR, Abhijeet | Intel K.K. | 3GPPMEMBER (ARIB) |
| KUMAR, Lalith | Samsung Electronics Iberia SA | 3GPPMEMBER (ETSI) |
| KUROIWA, Fumito | NTT DOCOMO INC. | 3GPPMEMBER (ARIB) |
| LAAKSONEN, Lasse | Nokia Shanghai Bell | 3GPPMEMBER (CCSA) |
| LAIR, Yannick | Nokia Korea | 3GPPMEMBER (TTA) |
| LEE, Cheolung | Harman GmbH | 3GPPMEMBER (ETSI) |
| LEE, Seung-Ik | ETRI | 3GPPMEMBER (TTA) |
| LEI, Ao | Huawei Technologies Sweden AB | 3GPPMEMBER (ETSI) |
| LEUNG, Nikolai | Qualcomm Europe Inc. Sweden | 3GPPMEMBER (ETSI) |
| LI, Aihua | China Mobile Group Device Co. | 3GPPMEMBER (CCSA) |
| LI, Chenyi | Unicompay | 3GPPMEMBER (CCSA) |
| LI, Meng | Huawei Telecommunication India | 3GPPMEMBER (TSDSI) |
| LI, QIUTING | ZTE FRANCE SASU | 3GPPMEMBER (ETSI) |
| LI, Zhendong | ZTE Photonics | 3GPPMEMBER (CCSA) |
| LIANG, Haoran | Beijing Xiaomi Mobile Software | 3GPPMEMBER (CCSA) |
| LIBUNAO, Gerardo | Verizon UK Ltd | 3GPPMEMBER (ETSI) |
| LIEBHART, Rainer | Nokia Poland | 3GPPMEMBER (ETSI) |
| LIPING, Wu | CATT | 3GPPMEMBER (CCSA) |
| LIU, Jianning(Carry) | Xiaomi Communications | 3GPPMEMBER (CCSA) |
| LIU, Peilin | CALTTA | 3GPPMEMBER (CCSA) |
| LIU, Yue | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |
| LIU, Yuze | Nubia Technology Co.,Ltd | 3GPPMEMBER (CCSA) |
| LU, Wei | Beijing Xiaomi Software Tech | 3GPPMEMBER (CCSA) |
| LY, Quang | Convida Wireless | 3GPPMEMBER (ETSI) |
| LYU, Huazhang | iQoo | 3GPPMEMBER (CCSA) |
| M VAMANAN, Sudeep | Apple Hungary Kft. | 3GPPMEMBER (ETSI) |
| MA, Ruitao | CITC | 3GPPMEMBER (CCSA) |
| MAO, Yuxin | Xiaomi Technology | 3GPPMEMBER (CCSA) |
| MARIOTTE, Hubert | Orange | 3GPPMEMBER (ETSI) |
| MATTSSON, Bernt | ETSI | 3GPPORG\_REP (ETSI) |
| MERKEL, Jürgen | Nokia | 3GPPMEMBER (ATIS) |
| MINOKUCHI, Atsushi | DOCOMO Beijing Labs | 3GPPMEMBER (CCSA) |
| MOHAJERI, Shahram | AT&T GNS Belgium SPRL | 3GPPMEMBER (ETSI) |
| MONRAD, Atle | InterDigital Communications | 3GPPMEMBER (ATIS) |
| MURUGESAN, Karthik | Motorola Solutions UK Ltd. | 3GPPMEMBER (ETSI) |
| MUSTAPHA, Mona | Apple France | 3GPPMEMBER (ETSI) |
| NAKAMURA, Kazuo | NICT | 3GPPMEMBER (ARIB) |
| NAYAK, Ashok Kumar | Samsung Electronics France SA | 3GPPMEMBER (ETSI) |
| NI, Hui | Huawei Tech.(UK) Co.. Ltd | 3GPPMEMBER (ETSI) |
| OETTL, Martin | Nokia Germany | 3GPPMEMBER (ETSI) |
| OLVERA, Ulises | InterDigital Communications | 3GPPMEMBER (ATIS) |
| PALANIGOUNDER, Anand | Qualcomm India Pvt Ltd | 3GPPMEMBER (TSDSI) |
| PAN, Qi | Huawei Technologies France | 3GPPMEMBER (ETSI) |
| PATEROMICHELAKIS, Emmanouil | Lenovo Future Communications | 3GPPMEMBER (CCSA) |
| PATTAN, Basavaraj (Basu) | Samsung Electronics Co., Ltd | 3GPPMEMBER (TTA) |
| PEINADO, German | Nokia UK | 3GPPMEMBER (ETSI) |
| PLATZER, Andreas | BDBOS | 3GPPMEMBER (ETSI) |
| PRECIADO ROJAS, Diego | Nokia Corporation | 3GPPMEMBER (ETSI) |
| PROBASCO, Scott | Nokia Belgium | 3GPPMEMBER (ETSI) |
| PROCHASKA, Dean | FirstNet | 3GPPMEMBER (ATIS) |
| RAJENDRAN, Rohini | Samsung Electronics GmbH | 3GPPMEMBER (ETSI) |
| RAMAMOORTHY, Arunprasath | Samsung R&D Institute India | 3GPPMEMBER (TSDSI) |
| RAMAZANIREND, Elmira | VODAFONE Group Plc | 3GPPMEMBER (ETSI) |
| ROY, Michel | InterDigital Finland Oy | 3GPPMEMBER (ETSI) |
| RUAN, Bangqiu | Jetflow | 3GPPMEMBER (CCSA) |
| SALKINTZIS, Apostolis | Motorola Mobility España SA | 3GPPMEMBER (ETSI) |
| SÄLLBERG, Krister | Ericsson Japan K.K. | 3GPPMEMBER (ARIB) |
| SALMON, Michael | Verizon Switzerland AG | 3GPPMEMBER (ETSI) |
| SANDERS, Peter | one2many B.V. | 3GPPMEMBER (ETSI) |
| SCHÄFER, Pascal | umlaut | 3GPPMEMBER (ETSI) |
| SCHEVCIW, Andre | Qualcomm Technologies Int | 3GPPMEMBER (ETSI) |
| SCHUMACHER, Gregory | Peraton Labs | 3GPPMEMBER (ATIS) |
| SHAH, Sapan | Samsung Suzhou | 3GPPMEMBER (CCSA) |
| SHAN, Changhong | Intel Corporation (UK) Ltd | 3GPPMEMBER (ETSI) |
| SHAO, Weixiang | ZTE Corporation | 3GPPMEMBER (ETSI) |
| SHAO, Xiao | TOYOTA MOTOR CORPORATION | 3GPPMEMBER (TTC) |
| SHEN, Yang | Xiaomi EV Technology | 3GPPMEMBER (CCSA) |
| SHI, Xiaonan | China Mobile (Hangzhou) Inf. | 3GPPMEMBER (CCSA) |
| SHIFERAW, Yonatan | KPN N.V. | 3GPPMEMBER (ETSI) |
| SHIH, Jerry | AT&T | 3GPPMEMBER (ATIS) |
| SHIMADA, kazuki | NTT | 3GPPMEMBER (TTC) |
| SHU, Min | GOHIGH DATA NETWORKS TECH. | 3GPPMEMBER (CCSA) |
| SOLOWAY, Alan | Qualcomm Incorporated | 3GPPMEMBER (ATIS) |
| SPEICHER, Sebastian | Qualcomm Korea | 3GPPMEMBER (TTA) |
| SRINIVASARAJU, Srilakshmi | Nokia Solutions & Networks (I) | 3GPPMEMBER (TSDSI) |
| STANGE, Wolf-Joergen | umlaut | 3GPPMEMBER (ETSI) |
| STARSINIC, Michael | InterDigital France R&D, SAS | 3GPPMEMBER (ETSI) |
| STEFANO, Faccin | QUALCOMM JAPAN LLC. | 3GPPMEMBER (ARIB) |
| STOCKHAMMER, Thomas | Qualcomm Tech. Netherlands B.V | 3GPPMEMBER (ETSI) |
| STOJANOVSKI, Saso | Intel Finland Oy | 3GPPMEMBER (ETSI) |
| STREIJL, Robert | Peraton Labs | 3GPPMEMBER (ATIS) |
| SUN, Haiyang | Huawei Technologies Japan K.K. | 3GPPMEMBER (TTC) |
| SUN, Tao | China Mobile M2M Company Ltd. | 3GPPMEMBER (CCSA) |
| SUN, Xiaowen | Nanjing Weibo | 3GPPMEMBER (CCSA) |
| SUZUKI, Yuji | NTT DOCOMO INC. | 3GPPMEMBER (TTC) |
| TAO, Yuan | Datang Mobile Com. Equipment | 3GPPMEMBER (CCSA) |
| TARGALI, Yousif | Verizon Sweden | 3GPPMEMBER (ETSI) |
| TOUMI, Nassima | KPN N.V. | 3GPPMEMBER (ETSI) |
| TRAKINAT, Jean | T-Mobile USA Inc. | 3GPPMEMBER (ATIS) |
| VARGA, Imre | Qualcomm France | 3GPPMEMBER (ETSI) |
| VERWEIJ, Kees | Netherlands Police | 3GPPMEMBER (ETSI) |
| VIALEN, Jukka | Airbus | 3GPPMEMBER (ETSI) |
| WANG, Chenyu | BUPT | 3GPPMEMBER (CCSA) |
| WANG, Dan | China Mobile Group Device Co. | 3GPPMEMBER (CCSA) |
| WANG, Shoufeng | AsiaInfo | 3GPPMEMBER (CCSA) |
| WANG, Wen | GUANGDONG GENIUS TECHNOLOGY CO | 3GPPMEMBER (CCSA) |
| WANG, Zhaoning | CUG | 3GPPMEMBER (CCSA) |
| WEI, QUN | BTPDI | 3GPPMEMBER (CCSA) |
| WU, Jinhua | Beijing Xiaomi Mobile Software | 3GPPMEMBER (ETSI) |
| WU, Xiaobo | vivo Mobile Communication Co., | 3GPPMEMBER (CCSA) |
| XIE, Baoguo | ShenZhen Zhongxing Shitong | 3GPPMEMBER (CCSA) |
| XIE, Zhenhua | vivo Mobile Communication (S) | 3GPPMEMBER (CCSA) |
| XIE, Zhonghuai | CU Digital Technology | 3GPPMEMBER (CCSA) |
| XING, TianQi | China Unicom | 3GPPMEMBER (CCSA) |
| XIONG, Chunshan | Datang Linktester Technology | 3GPPMEMBER (CCSA) |
| XU, Yishan | Huawei Technologies R&D UK | 3GPPMEMBER (ETSI) |
| YANG, Yanmei | Huawei Device Co., Ltd | 3GPPMEMBER (CCSA) |
| YAO, Ge | VSENS | 3GPPMEMBER (CCSA) |
| YAO, Yizhi | Intel Technology Poland SP Zoo | 3GPPMEMBER (ETSI) |
| YI, Haofan | BJTU | 3GPPMEMBER (CCSA) |
| YOU, Shilin | Sanechips | 3GPPMEMBER (CCSA) |
| ZHANG, Amy | vivo Mobile Communication (H) | 3GPPMEMBER (CCSA) |
| ZHANG, Juan | QUALCOMM Europe Inc. - Italy | 3GPPMEMBER (ETSI) |
| ZHANG, Kefeng | QUALCOMM Europe Inc. - Spain | 3GPPMEMBER (ETSI) |
| ZHAO, HUAN | Unicom Broadband Online | 3GPPMEMBER (CCSA) |
| ZHENG, Shaowen | China Mobile (Suzhou) Software | 3GPPMEMBER (CCSA) |
| ZHOU, Runze | HUAWEI TECHNOLOGIES Co. Ltd. | 3GPPMEMBER (ETSI) |
| ZHOU, Wei | Fiberhome Technologies Group | 3GPPMEMBER (CCSA) |
| ZHU, Chunhui | Beijing Xiaomi Electronics | 3GPPMEMBER (CCSA) |
| ZHU, Fangyuan | Huawei Technologies (Korea) | 3GPPMEMBER (TTA) |
| ZHU, Jinguo | ZXNE | 3GPPMEMBER (CCSA) |
| ZHU, Wenruo | HUAWEI TECH. GmbH | 3GPPMEMBER (ETSI) |
| ZISIMOPOULOS, Haris | Qualcomm France | 3GPPMEMBER (ETSI) |
| ZWINGMANN, Holger | umlaut | 3GPPMEMBER (ETSI) |

## Annex I: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Title** | **Start date** | **End date (OP)** | **Town** | **Country** | **Reference** |
| 3GPPSA6#56 | 21/08/2023 | 25/08/2023 | Göteborg | Sweden | S6-56 |
| 3GPPSA6#57 | 09/10/2023 | 13/10/2023 | Xiamen | China | S6-57 |
| 3GPPSA6#58 | 13/11/2023 | 17/11/2023 | Chicago | US | S6-58 |
| 3GPPSA6#59-Adhoc | 22/01/2024 | 31/01/2024 | Online | TBC | S6a-59 |
| 3GPPSA6#59 | 26/02/2024 | 01/03/2024 | TBC | Europe | S6-59 |
| 3GPPSA6#60 | 15/04/2024 | 19/04/2024 | TBC | China | S6-60 |
| 3GPPSA6#61 | 20/05/2024 | 24/05/2024 | TBC | Korea | S6-61 |
| 3GPPSA6#62 | 19/08/2024 | 23/08/2024 | TBC | Europe | S6-62 |
| 3GPPSA6#63 | 14/10/2024 | 18/10/2024 | TBC | India | S6-63 |
| 3GPPSA6#64 | 18/11/2024 | 22/11/2024 | TBC | North America | S6-64 |