**3GPP TSG-SA WG6 Meeting #52-e S6-223082**

**e-meeting, 14th – 18th November 2022**

Source: MCC

Title: SA6 Meeting 51-e report

Agenda Item: 3

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*Abstract: Meeting report of 3GPP SA6 meeting #51-e*

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

**DRAFT Meeting Report  
for  
TSG SA WG6  
meeting: #51-e**

**e-meeting, n/a, 10/10/2022 to 19/10/2022**

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## 1 Opening of the meeting

### 1.1 IPR and antitrust policy reminders

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

**IPR Call Reminder:**

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

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

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

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

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

**Antitrust declaration:**

The chair of the meeting made the following antitrust declaration:

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

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

The chair reminded delegates of the importance to register for the meeting as well as confirming ones presence.

## 2 Agenda and Chair notes

**S6-222611 SA6 Meeting 51-e Agenda**

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

**Abstract:**

Agenda for the SA6#51-e meeting

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

**S6-222613 SA6 Meeting #51-e - Agenda with Tdocs allocation after submission deadline**

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

**Abstract:**

The SA6#51-e meeting agenda with Tdocs allocation after submission deadline

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

**S6-222614 SA6 Meeting #51-e - Agenda with Tdocs allocation at start of the meeting**

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

**Abstract:**

The SA6#51-e meeting agenda with Tdocs allocation at the start of the meeting

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

**S6-222615 SA6 Meeting #51-e - Chair's notes at end of the meeting**

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

**Abstract:**

Chair's notes at end of the SA6#51-e meeting

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

## 3 Report from previous meetings

**S6-222612 SA6 Meeting 50-e Report**

*Type: report For: Approval  
 Source: MCC*

**Abstract:**

The report of the SA6#50-e meeting.

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

## 4 Liaison statements

### 4.1 Incoming LSs

**S6-222617 Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge**

*Type: LS in For: Action  
 Original outgoing LS: S2-2207394, to SA6, cc SA3  
 Source: SA2*

**Abstract:**

1. Overall Description:

SA2 thanks SA6 on their LS (S2-2205458 / S6-221953) and provides the following feedback on the SA6 questions.

- As mentioned in KI#16 about AF (e.g. EES) with a NATted UE IP address, can SA2 support taking NATted UE IP address as input and then exposing the UE External ID to EES?

Currently (in Rel-17) there is no specification support for NAT devices controlled by 5GS, as indicated in the following NOTE in TS 23.501 clause 5.6.10.1:

NOTE 2: An operator can deploy NAT functionality in the network; the support of NAT is not specified in this release of the specification.

As well as in the following NOTE in TS 23.502 clause 4.15.10:

NOTE 3: The case where UE IP address provided by the AF to the NEF corresponds to an IP address that has been NATed (Network and Port Address Translation) is not supported in this release.

As a consequence, there is currently no specification support for exposure of UE External ID based on the NATted UE IP address.

SA2 would like to point out that there is a related work as part of the ongoing Rel-18 study FS\_UPEAS. However SA2 has not yet concluded or agreed any solution for normative work.

- In solution #23, EES (as AF) invokes Nnef\_UEID API with UE private IP address allocated by 3GPP CN. In certain deployment when multiple UEs are allocated with the same private IP address, can SA2 support addressing IPv4 address overlap issue?

The case where multiple UEs are allocated with the same private 5GC IP address is currently addressed as follows

- when this same private IP address is allocated to different UE(s) for different DNN and S-NSSAI(s) by associating the AF with a DNN and S-NSSAI

- Otherwise and furthermore, the "ipDomain" attribute as defined in TS 29.514 clause 4.2.2.2 Note 3 may be leveraged

The above DNN/S-NSSAI or ipDomain attribute is not expected to be exposed outside the 5GC network.

2. Actions:

To SA6 group.

ACTION: SA2 respectfully asks SA6 to take into account the feedback above.

**Discussion:**

Intel presented, during the opening call, the LS available as S6-222617.

There was a brief discusion on what might have been the actual meaning with the last sentence "The above DNN/S-NSSAI or ipDomain attribute is not expected to be exposed outside the 5GC network."

One interpretation was that the DNN/S-NSSAI or ipDomain attribute was not expected to be exposed outside the trusted domain.

A proposal for a reply LS was proposed in S6-222661.

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

**S6-222618 LS reply to 3GPP SA6 on Clarification of Edge Node Sharing**

*Type: LS in For: Action  
 Original outgoing LS: OPG#103 Doc 03, to SA6, cc SA, SA2  
 Source: GSMA OPG*

**Abstract:**

Background

GSMA OPG thanks 3GPP SA6 for the LS on edge node sharing considering the mapping of GSMA OP and 3GPP EDGEAPP architecture.

The OP is a conceptual model specifying the behaviour of edge computing systems that share resources among their subscribers. An OP is described in terms of roles, such as Service Resource Management, Federation Management, and Capabilities Exposure, but specific functional entities are not mandated. An OP manages Cloud and Network Resources, on which applications can be deployed for subscribers and which can be shared with partner OPs.

The focus of the OP model is sharing resources between edge computing systems owned by different Operators who do not share a trust domain, and providing an edge computing model to applications without excessive complexity.

Figure 1 shows this architecture, depicting two partner OPs in a federation. Each OP manages Cloud Resources, which can host application services labelled “EAS” in the figure. The EAS boxes can be assumed to model multiple EASs in each case. The EASs are shown in Edge Nodes, which can be thought of as server clusters. An OP attempts to allocate server resources in an Edge Node that is appropriate in location to its user.

In Figure 1, each OP manages the edge nodes and the resources/services deployed in the edge nodes. Operator B’s Edge Node is assumed to be in the South Region, Operator A’s Edge Node in the North Region, and the subscriber (the User Client/Application Client, or UC/AC), who is a customer of Operator B, is located in the North Region.

Additionally, Operator A shares its edge node with Operator B in the North Region so that Operator B’s users can consume applications and services from Cloud Resources that are close by. Sharing an Edge Node means that Operator A deploys applications on cloud resources in its Edge Node as requested by Operator B and provides an application endpoint to Operator B. In this process, Operator A does not relinquish control or management of its Edge Node to Operator B.

In the course of sharing, location information is provisioned on Operator A in terms of Availability Zones as per clause 3.3.2 in GSMA PRD OPG.02 in order to allow Operator A to select appropriate cloud resources.

1. The labels on the arrows in the above figure depict the steps of this process. It makes requests of Operator B, and receives responses from Operator A, via the EWBI.

2. UC of Operator B discovers the application endpoint information by interacting with OP B supporting the North Region.

3. AC connects to the EAS deployed in shared edge node to consume application services in the North Region.

Response to 3GPP SA6 questions

• Q1: Would GSMA OPG confirm the SA6 understanding that when the UE is located in the North Region, it is served by operator B’s PLMN when consuming an application on Partner A's edge node deployed in the North region?

GSMA OPG:

Correct.

For the sake of clarity, North Region is served by Operator B´s PLMN with physical radio access while another partner (Operator A) with whom Operator B is executing edge resource sharing i.e., OP-A is offering the edge resources (See Q2). Figure 2 below illustrates the scenario in the North Region scenario specified by SA6.

• Q2: Would GSMA OPG please provide the definition of and explain the relationship between edge node, edge sites and edge resources?

GSMA OPG:

There are no clear definitions in the GSMA PRD OPG.02 between these concepts, and the GSMA OPG will take the action point to bring the corresponding CRs in the future PRD versions, including Figure 19 in the existing GSMA PRD OPG.02. Though the following can be considered for clarification:

Edge site: A physical location where an edge node is deployed.

Edge Node: A resource in a physical data centre. The term Edge Node used in context with the Edge Node Sharing refers to the compute resources offered by the Partner OP to the Leading OP. The Leading OP may use such resources to serve its own end users in scenarios such as not having the edge clouds footprint in locations where the end users requesting access to edge services but a Partner OP is offering edge cloud resources in those locations.

Edge resources: Sum of compute, network, and storage capabilities made available for load deployment and processing in edge nodes.

• Q3: When UE further moves into the South Region, SA6 assumes that if the application is also deployed on Operator B’s edge node in the South Region, the UE can be served by the local application in Operator B’s edge node in the South Region. Would GSMA OPG please confirm the SA6 assumption?

GSMA OPG:

Correct. Operator B, through the edge discovery process, will assign to the UC the services provided by the edge node closest to the end user. This could be an Operator B edge node in South Region or a partner X edge node in South Region.

In the edge node sharing case, it is possible that in South Region, where Operator B has edge deployments, it may have edge node sharing agreements with multiple Partners (e.g. Partner X) who also have edge deployments.

• Q4: When UE is served by Operator B’s mobile network in North region and its User Client (UC) is trying to discover edge application, is the UC aware of the Partner OP?

GSMA OPG:

No. In the current GSMA PRD OPG.02 version A UC served by operator B sees the shared edge node as a node or service offered by Operator B even though the shared node and service is located in Operator A’s edge infrastructure.

Further, is there a requirement that the User Client be provided information (other than Application Endpoint exposure towards UC(s) via the UNI) about OP A by OP B? And if so, for what purpose?

GSMA OPG:

Not in edge sharing scenario.

• Q5: Figure 3 shows that the UNI request is towards OP B, however, can a UNI request for availing OP services be sent directly towards OP A of Partner A in edge node sharing case?

GSMA OPG:

No, for edge sharing case the UNI request always goes to the OP B.

• Q6: Is GSMA considering an EES deployed in OP A (as depicted in figure 19 of GSMA OP.02) as also part of a shared edge node offered by Partner A (to Operator B) in clause 3.3.5 edge node sharing case?

GSMA OPG:

No, GSMA OPG has not yet considered EES in the context of edge node sharing. Figure 19 shows a possible mapping between OP and EDGEAPP, and edge node sharing is not considered in this case. GSMA OPG needs to study edge node sharing and its relationship with EDGEAPP.

• Q7: Regarding the GSMA OPG figure 3, please clarify in which region OP B is deployed. If OP B is deployed in the North region, which entities (EES, ECS or both) does GSMA OPG think should be deployed in OP B? If OP B is deployed in the South region, which entities (EES, ECS or both) does GSMA OPG think should be deployed in OP B?

GSMA OPG:

OP B is serving the end users of Operators B regardless of the region where they are.

The GSMA OPG and OPAG need to study the support of EES and ECS for edge node sharing.

• Q8: It is SA6 understanding that the Application Client in the UE consumes application services on the network and that the UC does not consume application services on the network. Is this understanding aligned with GSMA understanding? If not, would GSMA please clarify in which use cases the UC would consume application services?

GSMA OPG:

Yes, the Application Client in the UE consumes application services on the network and the UC does not consume application services on the network.

• Q9: Clarification is required on the following service consumption for edge node sharing scenarios:

• Is it possible that OP B will set certain limitation to allow only application clients serviced by its own UC(s) to consume the application deployed in its partner OP A?

GSMA OPG:

Yes, this is possible. Only application clients serviced by UC(s) authorised by OP B can consume the application deployed on the shared edge node of Partner OP A.

• Can the application deployed by OP B in the partner OP A be consumed by application clients serviced by UCs from OP A?

GSMA OPG:

No, is not allowed by edge node sharing scenario.

• Can application clients serviced by UCs of OP B consume only application deployed by OP B in OP A?

GSMA OPG:

Yes, this is the case in an edge node sharing scenario.

• Can application clients serviced by UCs of OP B consume application services from OP A?

GSMA OPG:

No, not in the edge node sharing scenario. Application client serviced by UCs of OP B consumes application service from the edge resources provided by Operator A from the moment that these services have been deployed and are managed by OP B.

In SA6 context, Edge Computing Service Provider (which can be mapped to Operator Platform provider) can be a PLMN operator or a 3rd party (e.g. Hyper-scaler).

• Q10: Taking into account GSMA OPG.02, Annex C.2, does GSMA have any position on whether it is possible that the OP is a 3rd party in figure 3 in clause 3.3.5 of GSMA OPG.02 for the Edge Node Sharing case?

GSMA OPG:

Yes, OP A can be any actor supporting the standards like a MNO or a hyperscaler.

In Release 17, the SA6 perspective is that EDGE-9 maps to E/WBI, and SA6 is also studying in Release 18 a new EDGE-10 interface between ECSs which may fulfil OP requirement. To understand the realization of this mapping, the following questions require GSMA OPG feedback:

• Q11: Is the publishing of application information part of the application onboarding management service or is it a subsequent triggered event upon instantiation of the application?

GSMA OPG:

This is part of the onboarding management service. Further onboarding management is already defined at API level as shared from GSMA OPAG.

• Q12: Are all the information specified in clause 3.5.4.3.3 part of Application onboarding management service? If not, what operations are related to the information not associated with the application onboarding management service?

GSMA OPG:

This is part of the onboarding management service. Further onboarding management is already defined at API level as shared from GSMA OPAG.

Questions for 3GPP SA6

The edge sharing procedure defined in OPG OPAG is shown in the Figure 3 below:

Only one registration is performed between the UE-A and OP–A. The UE-A is then redirected towards the content hosted by OP - B with who edge sharing is performed. GSMA OPG would like to receive 3GPP SA6 feedback if the current procedure is acceptable.

Actions to 3GPP SA6

GSMA OPG kindly requests 3GPP SA6 to take the above into account and provide guidelines on the UNI procedure for edge sharing scenario.

(For the referred figures see orig. Tdoc at https://www.3gpp.org/ftp/tsg\_sa/WG6\_MissionCritical/TSGS6\_051-e/docs/S6-222618.zip)

**Discussion:**

Huawei presented, during the opening call, the LS available as S6-222618.

A proposal for a reply LS is available as S6-222752.

Convida suggested to continue further discussion over email.

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

**S6-222619 Reply LS on TSN scenarios**

*Type: LS in For: Discussion  
 Original outgoing LS: S2-2207023, to SA6, cc -  
 Source: SA2*

**Abstract:**

1 . Overall description

In what follows, SA2 answers the question requested:

Question: Is UE-to-UE communication supported on the device side and no TSN data transfer on the N6 side for the TSN-integrated 5GS architecture, with the following clarifications to "System architecture view with 5GS appearing as TSN bridge” in Figure 4.4.8.2-1 of TS 23.501:

• Two communicating TSN end stations are on the device side instead of a single TSN station and these two TSN end stations communicate with each other

• No TSN data transfer exists on the N6 / NW-TT side

ANSWER: in case of UE-to-UE communication there is no data transfer on the N6/NW-TT side and such communication are supported as described in TS 23.501 sections 5.27 and 5.28. Therefore, for such TSN stream, the TSN end stations on the device side communicate with each other without any traffic on N6. Note that the architecture in Figure 4.4.8.2-1, TS 23.501 is a general illustration that may include multiple cases, e.g., a UE may be communicating with another UE on a TSN stream, and simultaneously on another TSN stream that same UE may be communicating with a TSN station or bridge on the N6/NW-TT side.

**Discussion:**

Ericsson presented, during the opening call, the LS available as S6-222619.

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

**S6-222620 LS Out on Support for managing slice for trusted third-party owned application**

*Type: LS in For: Action  
 Original outgoing LS: S2-2207399, to SA6, cc SA1  
 Source: SA2*

**Abstract:**

1. Overall Description:

SA2 thanks for SA6 LS on Support for managing slice for trusted third-party owned application. SA2 answers the question as follows:

Q:1: Does SA2 have an existing mechanism where an AF can manage its UEs with different qualities/priority level within a slice?

SA2 Answer:

SA2 has defined mechanism to allow the AF request session with requested QoS for the customers to ensure higher level of contract qualities. SA2 has no mechanisms for AF managing UEs with different qualities/priority level within a slice.

Regarding the Network Slice Admission Control(NSAC), the AMF may exempt UEs and the SMF may exempt PDU sessions from NSAC when the UE and/or PDU Session is used for Emergency service or for Critical and Priority services (e.g. MCX, MPS). See clause 5.15.11.0 in TS 23.501.

Q:2: If no mechanisms exist, would SA2 consider adding a mechanism to allow an AF to manage this behaviour upon reaching threshold on maximum slice quota

SA2 Answer: SA2 has no agreed position on this at present and may study whether there is the necessity of the use case in the future in a contribution driven manner following the normal working methods

2. Actions:

To SA6 working group.

ACTION: SA2 kindly asks SA6 to take the above information into account.

**Discussion:**

CMCC presented, during the opening call, the LS available as S6-222620.

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

**S6-222623 Reply LS on Support for managing slice for trusted third-party owned application**

*Type: LS in For: Action  
 Original outgoing LS: S1-222267, to SA6, cc SA2  
 Source: SA1*

**Abstract:**

1 . Overall description

SA1 thanks SA6 for the clarification of the scenario and question initially highlighted in S1-222074/S6-221484 LS on Support for managing slice for trusted third-party owned application. SA1 would like to provide the following answer to this question:

Considering the explanation in the use case, does SA1 have requirements such that high priority users, identified by 3rd party, are able to achieve access to the provided services even when the slice capacity (or a capacity threshold) has been reached?

Answer from SA1: No, there are no related requirements.

2. Actions

To SA6

ACTION: SA1 asks SA6 to take this information into account.

**Discussion:**

Deutsche Telekom presented, during the opening call, the LS available as S6-222623.

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

**S6-222621 LS on N5 clarification for MBS usage**

*Type: LS in For: Action  
 Original outgoing LS: S2-2207406, to SA6, cc -  
 Source: SA2*

**Abstract:**

1 . Overall description

SA2 thanks SA6 for their questions and likes to answer them as follows:

In TS 23.247, the highlighted parts in following descriptions in clause 5.3.2 and clause 7.1.1 indicate that the AF can directly interact with the PCF for MBS information:

“- The PCF can receive MBS information from AF, NEF or MBSF, e.g. based on the different configuration options in Annex A.”

“The interactions between "NEF/MBSF" and MB-SMF, PCF, BSF and NRF depicted in the call flows apply for NEF, MBSF or a combined NEF and MBSF, depending on network deployment. They may also apply for an AF in the trusted domain where NEF is not mandated.”

However, the N5 is missing from the architecture which is not aligned with the above descriptions. SA6 would like to ask SA2 the following questions:

SA6 Q1: When the optional entities (MBSF, MBSTF and NEF) are not used, and the AF is in the trusted domain, is N5 used between the AF and PCF for MBS related interactions?

SA2 answer 1: SA2 confirms that an enhanced version of the N5 interface is used between PCF and AF. The architectural diagram in TS 23.247 has been updated accordingly.

SA6 Q2: If the answer to Q1 is yes, will SA2 update TS 23.247 to incorporate N5 in the architecture illustration?

SA2 answer 3: The architectural diagram in TS 23.247 has been updated accordingly.

SA6 Q3: If the answer to Q1 is no, which interface of 5GC should be used for MBS related interactions by the AF?

SA2 answer 3: Not applicable as the answer is for Q1 is yes.

2. Actions

To SA6

ACTION:

SA2 asks SA6 to take the provided responses into account.

**Discussion:**

Nokia presented, during the opening call, the LS available as S6-222621.

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

**S6-222622 Reply LS on 5MBS User Services**

*Type: LS in For: Information  
 Original outgoing LS: C3-224655, to SA4, cc SA2, SA6, CT4  
 Source: CT3*

**Abstract:**

1. Overall Description:

CT3 would like to thank SA4 for the LS reply on 5MBS User Services, the joint SA4/CT3/CT4 rapporteurs and delegates discussions on the open issues effectively, also the immediate updates on the agreed TS 26.502 CR 0007r1 at the SA4#120-e meeting, so that CT3 could update our implementation at once.

CT3 would like to update the CT3 related implementation status as below:

CT3 Feedback 1 on Nnef\_MBSUserService and Nnef\_MBSUserDataIngestSession services:

CT3 has implemented Nnef\_MBSUserService and Nnef\_MBSUserDataIngestSession services in TS 29.522 to expose the similar (or even identical) APIs as the MBSF services. The CR package attached reflects the implementations which is planned to be submitted for approval in CT#97-e plenary, which is estimated to be included in TS 29.522 v17.7.0 in September.

CT3 Feedback 2 on Nmbsf\_MBSUserService and Nmbsf\_MBSUserDataIngestSession services:

Upon the SA4 specifications, joint SA3/CT3/CT4 discussions and related SA4 dCRs updates, CT3 has implemented Nmbsf\_MBSUserService and Nmbsf\_MBSUserDataIngestSession services in TS 29.580. The pCR package attached reflects the implementations which is planned to be submitted for approval in CT#97-e plenary, which is estimated to be included in TS 29.580 v17.0.0 in September.

CT3 further concerns:

For the MBS User Service Announcement encoding, whether we should reuse this encoding defined by SA4 in TS 26.517, and the encoding alignment will be done between TS 26.517 and TS 26.502 ?

2. Actions:

To SA4 group.

ACTION: CT3 kindly asks SA4 to take above CT3 implementation and concerns into account.

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

**S6-222631 LS reply to GSMA OPAG on E/WBI**

*Type: LS in For: Information  
 Original outgoing LS: MEC(22)000430r2, to GSMA OPG, OPAG, cc 3GPP SA, SA2, SA6  
 Source: ETSI ISG MEC*

**Abstract:**

1. Overall description

ETSI ISG MEC would like to thank GSMA OPAG for their LS informing about its progress on the documentation of its East West Band Interface (EWBI) allowing federation of Telco Edge computing platforms.

As previously shared during the joint workshop with GSMA OPG and 3GPP, the work of ETSI ISG MEC related to EWBI is mainly focused on the deliverable ETSI GS MEC 040, which drafts are publicly available in the MEC Open Area (https://docbox.etsi.org/ISG/MEC/Open/MEC040%20FederationAPI%20drafts).

ETSI ISG MEC has considered the work shared by OPAG as attachment of the LS (OPAG\_34\_006) in the draft titled “Operator Platform – East-Westbound Interface APIs”.

As requested by GSMA, the ISG is using this document as base reference for ETSI federation concepts under definition and is willing to collaborate in order to avoid market fragmentation. In particular, this OPAG document can be considered as suitable information for the ongoing standardization activities in MEC 040. In that perspective, we would like to inform you that the MEC 040 deliverable is moving now to stable draft status (all the documents can be found in the MEC Open Area, here), heading to a forthcoming publication of the v3.1.1 of this specification, and the ISG MEC approved at the MEC#31 meeting a NWI proposal, to further progress toward a subsequent publication of MEC 040 v.3.2.1, aiming at covering more extensively the EWBI.

ETSI ISG MEC thus would kindly invite GSMA OPAG to have a look at this MEC 040 in the MEC Open Area and provide any feedback about the current Federation API definition and its possible evolutions in MEC.

Also in this perspective, ETSI MEC would like to ask for some preliminary clarifications on the EWBI document R1.4 from OPAG:

1. Regarding the location information to establish a federation, there are three concepts in OP PRD (Availability Zone, Region and Cloudlet). We understand that currently the only location-related attribute exchanged during the Create Federation message (clause 3.1.1.2) is Availability Zones (AZ). Would OPAG think that other location-related attributes could be considered as critical from GSMA perspective?

2. ETSI MEC assumes that the main purpose of Availability Zones (AZ) is for disaster recovery, and can work as a basis of billing to application providers. If this ETSI MEC assumption is correct, we would like to have more clarity on the rationale on considering AZ important for the federation creation.

ETSI ISG MEC would greatly appreciate answers from OPAG on the above questions for clarifications, for steering the further ISG work in this domain.

2 . Actions

To GSMA OPAG, OPG

ACTION: ETSI ISG MEC would kindly invite GSMA OPAG to have a look at this MEC 040 in the MEC Open Area and provide any feedback about the current EWBI definition and its possible evolutions in MEC. Furthermore, ETSI ISG MEC would greatly appreciate answers from OPAG on the above questions for clarifications, for steering the further ISG work in this domain.

**Discussion:**

Huawei presented, during the opening call, the LS available as S6-222631.

A response (to the original LS) to be included in a co-ordinated response will most likely brought in for SA6#52.

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

**S6-222714 Re-use of CAPIF by ETSI MEC**

*Type: LS in For: Action  
 Original outgoing LS: MEC(22)000451r6, to -, cc -  
 Source: ETSI ISG MEC*

**Abstract:**

1. Overall description:

Referring to earlier exchanges of liaison statements with 3GPP SA6 on alignment of EDGEAPP and MEC, 3GPP SA6 has identified "usage of CAPIF between the two architectures" in the liaison statement S6-221436/MEC(22)000259 to ETSI ISG MEC. Further, in the liaison statement S6-222058/MEC(22)000383r1 to 3GPP SA6, ETSI ISG MEC has outlined some further high-level analysis details w.r.t. differences between CAPIF and MEC service registries on slide 6 of the PPT attachment, and has suggested that further communication and coordination with the relevant 3GPP WGs are required to achieve better alignment on CAPIF. The present liaison statement follows up on this topic.

ETSI ISG MEC has defined as part of its application enablement a registry that allows registering and discovering MEC service APIs. Such APIs may be RESTful (using HTTP as transport protocol and JSON as data serialization format) or may use other transport protocols and serialization formats. The MEC registry supports registration and discovery of REST APIs as well as of APIs that use alternative transports (such as Websockets, GRPC, message buses) and serialization formats (such as GPB).

In order to improve alignment across the industry, ETSI ISG MEC is considering defining a variant of its service registry based on CAPIF which could serve as a replacement of the MEC service registry.

For that purpose, such a CAPIF-based MEC registry would need to support representing RESTful APIs during service API publication and discovery (which CAPIF is able to do by design through its existing ServiceApiDescription data model) as well as APIs based on alternative (ETSI ISG MEC defined) transports and serializers. Such enhancement would support "native" CAPIF API invokers that would only see the RESTful APIs in the registry upon discovery, as well as "extended" CAPIF API invokers that in the case of MEC would additionally see APIs based on alternative transports/serializers.

As an enabler for adding support for MEC's additional registry features, ETSI ISG MEC foresees protocol-level extension would be required to CAPIF that would need to fulfil the following extensibility requirements:

a) Allow ETSI ISG MEC to extend enumerations, e.g., for data formats, protocols and security mechanisms, without breaking "native" CAPIF API invokers

b) Support extension containers that would allow an "extended" CAPIF AEF to provide additional information during service API publication, persist such extension containers by CAPIF and return them as part of the discover service APIs result.

c) Provide a mechanism that allows definition of additional filtering criteria for discover service API queries.

ETSI ISG MEC would like to understand whether 3GPP SA6/CT3 would consider adding to CAPIF extensibility mechanisms that fulfil above extensibility requirements, to be used by external SDOs (such as ETSI ISG MEC), in order to promote re-use of CAPIF by these external SDOs.

The proposed alignment could eliminate fragmentation in the area of edge service registration/discovery, benefit the MEC/EDGEAPP alignment activities and may also promote re-use of CAPIF by organization other then ETSI ISG MEC.

2. Actions:

To 3GPP SA6:

1) ETSI ISG MEC would like feedback on whether SA6 believes that there would be the need to add stage 2 requirements to enable protocol-level additions fulfilling the sketched extensibility requirements (a), (b) and ©, or whether this is already covered by the existing CAPIF stage 2 requirements.

If it is considered that further requirements would be needed:

2) ETSI ISG MEC would like to understand the feasible possible timelines and target release(s) for such additions,

3) ETSI ISG MEC would like to understand the most appropriate mode of collaborating on this topic from the point of view of 3GPP SA6.

To 3GPP CT3:

4) ETSI ISG MEC would like feedback on whether 3GPP CT3 would consider adding protocol-level extension mechanisms to CAPIF according to the three extensibility requirements (a), (b) and © outlined above.

If yes:

5) ETSI ISG MEC would like to understand the feasible timelines and target release(s) for such additions,

6) ETSI ISG MEC would like to understand the most appropriate mode of collaborating on this topic from the point of view of 3GPP CT3.

**Discussion:**

Nokia presented, during the opening call, the LS available as S6-222714.

The document S6-222716 provides further details in form of a ppt presentation.

Samsung was of the view that it could be beneficial of SA6 would give additional architecture requirements (wrt question a).

Lenovo was of the opinion that 23.222 did not really contain requirements but some clarifications could be added.

Intel's view was that some (architecture) requirements could be added.

Motorola Solutions noted that certainly such requirements would need to be addressed by SA6 (possibly in Rel-18, even if late) prior to being incorporated by CT3.

Ericsson was of the view that it was fine for CT3 to take a position on whether the extensibility was in place, and now action from SA6 was required.

Huawei was of the view that SA6 should take a position on the extensibility.

**Decision:** The document was **replied to in S6-223027**.

**S6-222716 CAPIF extensions for use by other SDOs**

*Type: discussion For: Discussion  
 23.222 v..  
 Source: Nokia, Nokia Shanghai Bell, Apple, Huawei*

**Abstract:**

This discussion paper is related to the incoming LS S6-222714 on Re-use of CAPIF by ETSI MEC.

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

**S6-222867 5G capabilities exposure for factories of the future – identified gaps**

*Type: LS in For: discussion  
 Original outgoing LS: 2022 09 06 5G-ACIA-LS 05, to -, cc -  
 Source: 5G Alliance for Connected Industries and Automation (5G-ACIA)*

**Abstract:**

1. Overall Description

In 2021, 5G-ACIA published a revised white paper on the exposed 5G capabilities that are needed by factory operators to manage and maintain industrial 5G devices and 5G Non-Public Networks (NPN) in a simple and efficient manner [1] . 5G-ACIA informed 3GPP about this work in SP-210281 and a reply LS was provided in SP-211134. 5G-ACIA wishes to thank 3GPP for their answer and collaborative spirit.

In the meantime, 5G-ACIA mapped these requirements onto Rel-17 specifications and identified the gaps and possible limitations as listed below. Some of these gaps could be relevant for future 3GPP work.

|  |  |  |
| --- | --- | --- |
| *Gap ID* | *Description* | *Corresponding requirement in the 5G-ACIA whitepaper mentioned above* |
| G.1 | Provisioning of single subscriptions or a bulk of subscriptions by a provisioning server (which is assumed to be an IIoT function outside of the NPN domain) is identified as a requirement from enterprises.  This is not seen as a gap in 3GPP specifications, because a provisioning proto-col is not currently in the scope of 3GPP.  Provisioning via exposure reference points could be considered for future work by 3GPP. | [R-4.2.2-01]  The 5G exposure reference points must support integration into and configuration of a device within a 5G system by provisioning the relevant UE information (e. g. UE IDs, network access authentication keys, subscriptions) to the 5G network so it will accept device connection when the device is activated  [R-4.2.2-02]  The 5G exposure reference points must support provisioning and onboarding of individual devices and groups of devices |
| G.2 | The 5G exposure reference point must be capable of acknowledging a service request within 100 ms. The acknowledgement may include the requested in-formation or may be a service request acknowledgement followed by the actual requested information. In the latter case the requested information must be provided within a specified time. | [R-4.2.3-02]\*  The 5G exposure reference points must be capable of acknowledging a communication service request within 100 ms.  [R-4.2.4-06]  The 5G exposure reference point must respond to a request to provide real-time QoS monitoring information  within a specified time. |
| G.3 | Provision of security event/logging infor-mation is identified as gap in 3GPP specifications. | [R-4.4-5]†  The 5G exposure reference point must be able to provide a history of commu-nication events. |

2. Actions

5G-ACIA kindly asks 3GPP to take note of the identified gaps and limitations in Rel-17 specifications for considerations in the ongoing and future activities of 3GPP.

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

**S6-222871 3GPP TR 23.700-98 V1.2.0 Analysis**

*Type: LS in For: Action  
 Original outgoing LS: OPAG 41 Doc 04, to -, cc -  
 Source: OPG Operator Platform API Group*

**Abstract:**

1 Introduction

GSMA Operator Platform API Group (OPAG) has been working on the analysis of 3GPP TR 23.700-98 V1.2.0 (2022-09) to understand its relationship to Federation, Edge Sharing and Roaming and the work GSMA OPAG is doing.

2 Enhanced Application Architecture

The target architectures to be analysed are presented in the sections 6.1 and 6.2 of the 3GPP TR 23.700-98 V1.2.0 (2022-09).

GSMA OPAG identified that these architectures might be related to the proposed solutions for the following key issues:

• Key Issue #6: Edge services support across ECSPs.

• Key Issue #9: Enhancement of dynamic EAS instantiation triggering.

• Key Issue #10: Support for roaming UEs.

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

• Key Issue #20: Method of supporting federated EAS service

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

Considering the description in the 3GPP TR 23.700-98, it is clear that the EDGE-10 interface has an important role in the proposed architectures and solutions, for example:

• Solution #5: ECS enhancement to discover EESs via other ECSs to support edge services across ECSPs.

• Solution #14: V-ECS Discovery via the H-ECS.

As a part of the analysis, GSMA OPAG would like to understand if 3GPP EDGE-10 interface can be endorsed as part of the OPAG EWBI. However, we could not find a formal definition for EDGE-10 interface in 3GPP specifications.

3 Conclusion and actions

GSMA OPAG kindly ask 3GPP SA6 to provide a detailed description of the services and capabilities offered by the EDGE-10 interface and its relation to Federation, Edge Sharing and Roaming scenarios.

GSMA OPAG would also like to understand whether 3GPP SA6 is considering the EWBI defined in GSMA PRD OPG.04 (see NOTE) for the realisation of the Edge-10 interface.

NOTE: Now published and available at https://www.gsma.com/futurenetworks/resources/platform-group-4-0-federation-api-1-0-0-yaml/

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

### 4.2 Outgoing LSs

**S6-222661 Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network**

*Type: LS out For: Approval  
 to SA2, cc SA3  
 Source: Intel Technology India Pvt Ltd*

**Discussion:**

Intel presented, during the opening call, the proposed outgoing LS (reply to S6-222617) available as S6-222661.

Qualcomm made a remark that they thought the question in the proposed LS was already answer in the incoming LS.

Ericsson was of the opinion there was no urgency sending the LS and proposed postponing a reply to November (SA6#52).

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

**S6-222711 LS on application-level authorization scope for northbound API invocation**

*Type: LS out For: Approval  
 to CT3, cc SA3  
 Source: NTT DOCOMO*

**Abstract:**

LS on application-level authorization scope for northbound API invocation.

**Discussion:**

NTT DOCOMO presented, during the opening call, the draft LS available as S6-222711.

Huawei pointed out there was a new related key issue to be discussed during the present meeting.

**Decision:** The document was **revised to S6-222936**.

**S6-222936 LS on application-level authorization scope for northbound API invocation**

*Type: LS out For: Approval  
 to CT3, cc SA3  
 Source: NTT DOCOMO*

(Replaces S6-222711)

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

**S6-222734 LS on related EAS**

*Type: LS out For: (not specified)  
 to SA4, cc SA2  
 Source: Ericsson*

**Discussion:**

Ericsson presented, during the opening call, the draft LS available as S6-222734.

**Decision:** The document was **revised to S6-222969**.

**S6-222969 LS on related EAS**

*Type: LS out For: -  
 to SA4, cc SA2  
 Source: Ericsson*

(Replaces S6-222734)

**Decision:** The document was **revised to S6-223029**.

**S6-223029 LS on related EAS**

*Type: LS out For: Approval  
 to SA4, cc SA2, SA5  
 Source: SA6*

(Replaces S6-222969)

**Discussion:**

As per S6-222969 rev1.

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

**S6-222752 Reply LS on Clarification of Edge Node Sharing**

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

**Discussion:**

Samsung presented, during the opening call, the LS available as S6-222752.

It was noted that LS should include more open questions (pre discussion of ic LS S6-222618 ).

The LS was further discussed during CC#01.

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

**S6-222679 LS on network parameters configuration for IoT Platforms**

*Type: LS out For: Approval  
 to SA2  
 Source: Convida Wireless*

**Abstract:**

LS on network parameters configuration for IoT Platforms.

**Discussion:**

Convida presented, during the opening call, the draft LS available as S6-222679 as well as S6-222679 rev 1 based on early comments.

**Decision:** The document was **revised to S6-222976**.

**S6-222976 LS on network parameters configuration for IoT Platforms**

*Type: LS out For: Approval  
 to SA2  
 Source: Convida Wireless*

(Replaces S6-222679)

**Decision:** The document was **revised to S6-223075**.

**S6-223075 LS on network parameters configuration for IoT Platforms**

*Type: LS out For: Approval  
 to SA2  
 Source: SA6*

(Replaces S6-222976)

**Discussion:**

As per S6-222976 rev 3.

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

**S6-222868 Reply LS on “Re-use of CAPIF by ETSI MEC”**

*Type: LS out For: Approval  
 to ETSI ISG MEC, CT3  
 Source: Nokia*

**Decision:** The document was **revised to S6-222938**.

**S6-222938 Reply LS on “Re-use of CAPIF by ETSI MEC”**

*Type: LS out For: Approval  
 to ETSI ISG MEC, CT3  
 Source: Nokia*

(Replaces S6-222868)

**Decision:** The document was **revised to S6-223027**.

**S6-223027 Reply LS on “Re-use of CAPIF by ETSI MEC”**

*Type: LS out For: Approval  
 to ETSI ISG MEC, 3GPP CT3, cc 3GPP SA, CT, SA3  
 Source: SA6*

(Replaces S6-222938)

**Discussion:**

As per S6-222938 rev1

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

**S6-222870 LS on PIN Management**

*Type: LS out For: Approval  
 to SA1, SA2  
 Source: SA6*

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

**S6-222872 LS for clarification on the deployment of bundle EAS**

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

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

**S6-222632 LS on Support PIN application architecture and interaction**

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

**Discussion:**

Vivo presented, during the opening call, the draft og LS available as S6-222632 with the intention of an early approval.

InterDigital was not supportive of the LS in its current form and was of the view the LS should be approved in a regular manner at the end of the present meeting.

Motorola Solutions indicated they thought the intention with the early approval was appreciated but thought that after all it would be better proceeding in regular manner and possibly narrowing the scope of the LS.

**Decision:** The document was **revised to S6-222913**.

**S6-222913 LS on Support PIN application architecture and interaction**

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

(Replaces S6-222632)

**Decision:** The document was **revised to S6-223028**.

**S6-223028 LS on Support PIN application architecture and interaction**

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

(Replaces S6-222913)

**Discussion:**

As per S6-222913 rev1.

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

## 5 Items for early consideration

### 5.1 Working Agreements / Technical Votes

None

### 5.2 Others

None

### 5.3 LS for Early Approval

The initial goal was to progress document S6-222632 “LS on Support PIN application architecture “for an early approval but finally dealt with under the regular meeting schedule (see clause 5.2).

## 6 Rel-16 Work Items

None

## 7 Rel-17 Work Items

**S6-222633 Clarifications on usage of EDGE in Annex A**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0027 Cat: F (Rel-17)  
  
 Source: InterDigital*

**Abstract:**

Usage of EDGE for UAV as described in Annex A is unclear and benefit from clarifications proposed by present contribution.

**Decision:** The document was **revised to S6-222879**.

**S6-222879 Clarifications on usage of EDGE in Annex A**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0027 rev 1 Cat: F (Rel-17)  
  
 Source: InterDigital*

(Replaces S6-222633)

**Discussion:**

As per S6-222879 rev 2

**Decision:** The document was **revised to S6-223030**.

**S6-223030 Clarifications on usage of EDGE in Annex A**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0027 rev 2 Cat: F (Rel-17)  
  
 Source: InterDigital*

(Replaces S6-222879)

**Discussion:**

As per S6-222879 rev 2.

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

**S6-222634 Removal of normative text in an informative annex**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0028 Cat: F (Rel-17)  
  
 Source: InterDigital*

**Abstract:**

A normative statement is included in an informative annex. The present contribution proposes replacing normative statement with informative text.

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

**S6-222757 Correction for EEC registration expiration time**

*Type: CR For: Approval  
 23.558 v17.5.0 CR-0115 rev 2 Cat: F (Rel-17)  
  
 Source: Samsung*

(Replaces S6-222052)

**Abstract:**

There is a miss-match in the description of the EEC registration procedure and information element table.

The present CR proposes aligning the description and IE table.

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

## 8 Rel-18 Work Items

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

**S6-222803 N5 descriptions update for MBS**

*Type: CR For: Agreement  
 23.289 v18.3.0 CR-0092 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for N5 descriptions update for MBS

**Decision:** The document was **revised to S6-222994**.

**S6-222994 N5 descriptions update for MBS**

*Type: CR For: Agreement  
 23.289 v18.3.0 CR-0092 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222803)

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

**S6-222851 Added additional subclause for switching from MBS session to unicast bearer for MCPTT**

*Type: CR For: Agreement  
 23.289 v18.3.0 CR-0093 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Abstract:**

In the current specification, a generic procedure for switching and dedicated switching procedures are defined for the MCData and MCVideo. Dedicated clause is missing for describing the procedure for switching from MBS session to unicast bearer or eMBMS bearer for MCPTT.

The present contribution proposes adding a dedicated clause for describing the procedure for switching from MBS session to unicast bearer or eMBMS bearer for MCPTT.

**Decision:** The document was **revised to S6-222924**.

**S6-222924 Added additional subclause for switching from MBS session to unicast bearer for MCPTT**

*Type: CR For: Agreement  
 23.289 v18.3.0 CR-0093 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India*

(Replaces S6-222851)

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

**S6-222852 Corrections to reference point usage in switching from MBS session to unicast bearer for MCData**

*Type: CR For: Agreement  
 23.289 v18.3.0 CR-0094 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Abstract:**

The switching from MBS session to unicast bearer or eMBMS bearer for MCData procedure uses both unicast and multicast reference points. In the current specification, the reference points specified for SDS service is for unicast delivery, FD service is for multicast delivery and DS service is for multicast delivery only.

In addition to existing reference points used in the switching from MBS session to unicast bearer or eMBMS bearer for MCData procedure, the present contribution proposes adding:

- a reference point for multicast delivery for SDS service and

- a reference point for unicast delivery for FD and DS services.

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

**S6-222853 Title correction and use of group communication connect & disconnect clarification in MCData**

*Type: CR For: Agreement  
 23.289 v18.3.0 CR-0095 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Abstract:**

The present contribution proposes:

- providing additional information of group communication connect and disconnect over MBS session procedures usage,

- updating the clause title aligning with description of MCPTT and MCVideo clause titles and

- some editorial corrections.

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

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

None

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

None

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

**S6-222628 LMR-3GPP Location Interworking**

*Type: CR For: Agreement  
 23.283 v18.0.0 CR-0065 Cat: B (Rel-18)  
  
 Source: FirstNet*

**Discussion:**

FirstNet presented the contribution S6-222628 during CC#03.

As a result of the discussion FirstNet proposed to postpone the contribution.

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

**S6-222663 Clarification of use of QCI-69 bearer for HTTP-1 reference point**

*Type: CR For: Agreement  
 23.280 v18.3.0 CR-0351 Cat: F (Rel-18)  
  
 Source: Sepura Ltd, Nokia, Nokia Shanghai Bell*

**Abstract:**

The current specification permits a range of QCIs to be used to transport HTTP-1 reference point traffic, but the highest priority, QCI-69, should not be used to carry HTTP-1 because of the risk of blocking time-sensitive mission critical call setup &

**Discussion:**

Sepura presented the contribution S6-222663 during CC#03.

**Decision:** The document was **revised to S6-222977**.

**S6-222977 Clarification of use of QCI-69 bearer for HTTP-1 reference point**

*Type: CR For: Agreement  
 23.280 v18.3.0 CR-0351 rev 1 Cat: F (Rel-18)  
  
 Source: Sepura Ltd, Nokia, Nokia Shanghai Bell*

(Replaces S6-222663)

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

**S6-222841 Description for the terms used in the location management procedures**

*Type: CR For: Agreement  
 23.280 v18.3.0 CR-0354 Cat: F (Rel-18)  
  
 Source: Samsung Electronics Romania*

(Replaces S6-222466)

**Abstract:**

Note: Resubmission due to mismatch in spec# on 3GU and in the CR S6-222466 from previous meeting.

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

**S6-222850 Inclusion of name for reference point used for unicast SDS data transaction over signalling control plane**

*Type: CR For: Agreement  
 23.282 v18.2.0 CR-0299 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Abstract:**

The Figure 6.5.1-1: Application plane functional model for SDS has MCData-SDS-1 reference point which is indicated as straight line and dotted line but it is not very clear whether the dotted line drawn in the figure represents the MCData-SDS-1 reference point or MCData-SDS-2 reference point.

The present contribution proposes adding a name to the dotted line to clearly indicate that it is for the MCData-SDS-1 reference point.

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

**S6-222854 Addressing EN's in CSC-22 and CSC-23 interfaces**

*Type: CR For: Agreement  
 23.280 v18.3.0 CR-0350 rev 2 Cat: B (Rel-18)  
  
 Source: Samsung Electronics Romania*

(Replaces S6-222469)

**Abstract:**

The present contribution proposes:

- removing two EN’s

- adding SIP-2 and SIP-3 reference points for CSC-22 reference point and support for non-subscription/notification related signalling,

- for CSC-23 reference, added support for non-subscription/notification related signalling with additional clarification on SIP-3 reference point used in case of a location management server and an MC gateway server, are served by different SIP cores and

- in 7.5.2.14, updated to support both subscription/notification and non-subscription/notification related signalling.

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

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

**S6-222717 Updating migration overview**

*Type: CR For: Agreement  
 23.280 v18.3.0 CR-0352 Cat: C (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The present CR provides clarifications on aspects related to migration. It includes a definition of migration, possible reasons to trigger a migration process to be performed at a certain MC service client, and a reference to important or main procedures related to migration, which are already available in 3GPP TS 23.280.

**Decision:** The document was **revised to S6-222947**.

**S6-222947 Updating migration overview**

*Type: CR For: Agreement  
 23.280 v18.3.0 CR-0352 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-222717)

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

**S6-222718 Private call towards a migrated MC user**

*Type: CR For: Agreement  
 23.280 v18.3.0 CR-0353 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The present CR introduces a generic procedure for a private MCPTT communication and a private MCVideo communication towards a migrated MC user at a partner MC system. The introduced clause describes the procedure needed for an MC service user to reach another user from the same primary MC system, where the latter has migrated and receives MC services from a partner MC system.

**Discussion:**

Ericsson presented the contribution S6-222718 during CC#03.

**Decision:** The document was **revised to S6-222948**.

**S6-222948 Private call towards a migrated MC user**

*Type: CR For: Agreement  
 23.280 v18.3.0 CR-0353 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-222718)

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

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

**S6-222681 UE registration**

*Type: pCR For: Approval  
 23.545 v0.6.0  
 Source: ZTE Corporation.*

**Abstract:**

This contribution provides FF UE registration.

**Discussion:**

The draft S6-222681 rev 1 was discussed during CC#5.

Ericsson proposed postponing S6-222681, S6-222682 and S6-222684.

Huawei indicated support for the proposed contribution.

**Decision:** The document was **revised to S6-222890**.

**S6-222890 UE registration**

*Type: pCR For: Approval  
 23.545 v0.6.0  
 Source: ZTE Corporation.*

(Replaces S6-222681)

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

**S6-222682 Application specific server registration**

*Type: pCR For: Approval  
 23.545 v0.6.0  
 Source: ZTE Corporation.*

**Abstract:**

This contribution provides FF application specific server registration.

**Decision:** The document was **revised to S6-222892**.

**S6-222892 Application specific server registration**

*Type: pCR For: Approval  
 23.545 v0.6.0  
 Source: ZTE Corporation.*

(Replaces S6-222682)

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

**S6-222683 Support for TSC services**

*Type: pCR For: Approval  
 23.545 v0.6.0  
 Source: ZTE Corporation.*

**Abstract:**

This contribution provides solution support for TSC services.

**Decision:** The document was **revised to S6-222894**.

**S6-222894 Support for TSC services**

*Type: pCR For: Approval  
 23.545 v0.6.0  
 Source: ZTE Corporation.*

(Replaces S6-222683)

**Decision:** The document was **revised to S6-223031**.

**S6-223031 Support for TSC services**

*Type: pCR For: Approval  
 23.545 v0.6.0  
 Source: ZTE Corporation.*

(Replaces S6-222894)

**Discussion:**

As per S6-222894 rev 1.

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

**S6-222684 Support for MSGin5G services**

*Type: pCR For: Approval  
 23.545 v0.6.0  
 Source: ZTE Corporation.*

**Abstract:**

This contribution provides solution support for MSGin5G services.

**Decision:** The document was **revised to S6-222896**.

**S6-222896 Support for MSGin5G services**

*Type: pCR For: Approval  
 23.545 v0.6.0  
 Source: ZTE Corporation.*

(Replaces S6-222684)

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

**S6-222685 Support for OT integration**

*Type: pCR For: Approval  
 23.545 v0.6.0  
 Source: ZTE Corporation.*

**Abstract:**

This contribution provides support for OT integration.

**Decision:** The document was **revised to S6-222898**.

**S6-222898 Support for OT integration**

*Type: pCR For: Approval  
 23.545 v0.6.0  
 Source: ZTE Corporation.*

(Replaces S6-222685)

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

**S6-222802 Integration with OPC UA**

*Type: pCR For: Approval  
 23.545 v0.6.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Integration with OPC UA

**Discussion:**

Huawei presented S6-222802 during CC#5.

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

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

**S6-222738 update the NSCE functional**

*Type: CR For: Approval  
 23.434 v18.2.0 CR-0126 Cat: B (Rel-18)  
  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

As described in the S6-221483, the architecture for NSCALE service will be documented in TS 23.434, while the detailed procedures will be considered in the new TS 23.435. The update of the NSCE functional model is needed.

The present CR proposes updates to the NSCE functional model and related descriptions.

**Decision:** The document was **revised to S6-222889**.

**S6-222889 update the NSCE functional**

*Type: CR For: Approval  
 23.434 v18.2.0 CR-0126 rev 1 Cat: B (Rel-18)  
  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-222738)

**Decision:** The document was **revised to S6-223032**.

**S6-223032 update the NSCE functional**

*Type: CR For: Approval  
 23.434 v18.2.0 CR-0126 rev 2 Cat: B (Rel-18)  
  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-222889)

**Discussion:**

As per S6-222889 rev 3.

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

**S6-222758 SEAL Registrar service**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0106 rev 5 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-222482)

**Abstract:**

The present contribution proposes definition of an on network function model for SEAL registrar service, along with functional entity and reference point descriptions.

**Decision:** The document was **revised to S6-222922**.

**S6-222922 SEAL Registrar service**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0106 rev 6 Cat: B (Rel-18)  
  
 Source: Samsung*

(Replaces S6-222758)

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

**S6-222762 TS 23.434 Enhance the APIs of the network slice adaptation**

*Type: CR For: Approval  
 23.434 v18.2.0 CR-0127 Cat: B (Rel-18)  
  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Abstract:**

The present contribution proposes enhancing the information flows of network slice adaption as well as

adding the missing step 3 in figure 16.3.2.4-1 and APIs of network slice trigger.

**Decision:** The document was **revised to S6-222903**.

**S6-222903 TS 23.434 Enhance the APIs of the network slice adaptation**

*Type: CR For: Approval  
 23.434 v18.2.0 CR-0127 rev 1 Cat: B (Rel-18)  
  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-222762)

**Decision:** The document was **revised to S6-223033**.

**S6-223033 TS 23.434 Enhance the APIs of the network slice adaptation**

*Type: CR For: Approval  
 23.434 v18.2.0 CR-0127 rev 2 Cat: B (Rel-18)  
  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-222903)

**Discussion:**

As per S6-222903 rev 4.

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

**S6-222782 VAL Service Area discussion**

*Type: discussion For: (not specified)  
 Source: Samsung*

**Abstract:**

The present contribution discusses the:

- VAL service Area

- Current use of location information

- Using VAL service area ID

**Discussion:**

Samsung presented theS6-222782 during CC#02.

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

**S6-222783 VAL service area identifier usage**

*Type: CR For: (not specified)  
 23.434 v18.2.0 CR-0128 Cat: B (Rel-18)  
  
 Source: Samsung*

**Abstract:**

Wherever location co-ordinates are being shared by the VAL server with SEAL server VAL service area ID is introduced. It either augments the location information or in some cases it can be present instead of geographical co-ordinates.

The present contribution proposes changes are done in the following areas :

- Location Report and location information notification from SEAL LM to VAL server can carry the VAL service Area ID in addition to location information. SEAL server can add the VAL service area ID corresponding to the location information

- GET UE(s) information request can carry the VAL service area ID instead of the geographical co-ordinates

- Monitor location subscription request can carry the VAL service Area IDs as areas of interest.

- Location area monitoring subscription request can include the VAL service Area ID as location information criteria

- Location based group creation

- Location based group update

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

**S6-222804 Definition of MBS session announcement**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0130 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Definition of MBS session announcement

**Decision:** The document was **revised to S6-222995**.

**S6-222995 Definition of MBS session announcement**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0130 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222804)

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

**S6-222805 Information flows for MBS procedures**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0131 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Information flows for MBS procedures

**Decision:** The document was **revised to S6-222996**.

**S6-222996 Information flows for MBS procedures**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0131 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222805)

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

**S6-222806 Support of redundant transmission for URLLC**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0132 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Support of redundant transmission for URLLC

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

**S6-222807 Updating MBS with dynamic PCC**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0133 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Updating MBS with dynamic PCC

**Decision:** The document was **revised to S6-222997**.

**S6-222997 Updating MBS with dynamic PCC**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0133 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222807)

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

**S6-222808 NRM coordination for redundant PDU Session establishment**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0134 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for NRM coordination for redundant PDU Session establishment

**Decision:** The document was **revised to S6-222998**.

**S6-222998 NRM coordination for redundant PDU Session establishment**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0134 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222808)

**Decision:** The document was **revised to S6-223034**.

**S6-223034 NRM coordination for redundant PDU Session establishment**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0134 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222998)

**Discussion:**

As per S6-222903 rev 1.

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

**S6-222859 DP on data preparation management for SEAL**

*Type: discussion For: Discussion  
 23.434 v..  
 Source: Lenovo Future Communications*

**Abstract:**

Discussion on possible DPM service at SEAL layer.

**Discussion:**

Lenovo presented the S6-222859 during CC#02.

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

**S6-222860 SEAL DPM functional architecture**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0135 Cat: B (Rel-18)  
  
 Source: Lenovo Future Communications*

**Abstract:**

This CR provides the functional architecture for SEAL DPM service (discussion is provided at S6-222859)

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

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

**S6-222692 Remove the EN about Application ID in clause 8.4.2**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0068 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Abstract:**

This CR is proposed to delete the EN “If the Application ID should be in table 8.4.2-3 instead of table 8.3.2-3 is FFS”, according to the context, the MSGin5G Client 1 aggregates multiple MSGin5G message requests and sends the Aggregated message request, the Aggregated message request is new message construct by MSGin5G Client 1, the aggregated message response is a response to this new message, not a response to Application Client.

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

**S6-222693 Add the element of Application ID to the delivery status report**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0069 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Abstract:**

This CR is proposed to add the Application ID element in delivery status report message, then the MSGin5G client knows which application client to send the report to.

**Discussion:**

The contribution S6-222693 was discussed during CC#5.

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

**S6-222694 bulk registration of Non-MSGin5G UEs**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0070 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

This CR is proposes bulk registration procedure of Non-MSGin5G UEs. This CR also removes the EN in clause 8.2.4.

**Decision:** The document was **revised to S6-222925**.

**S6-222925 bulk registration of Non-MSGin5G UEs**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0070 rev 1 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-222694)

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

**S6-222695 bulk de-registration of Non-MSGin5G UEs**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0071 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

This CR proposes bulk de-registration procedure of Non-MSGin5G UEs.

**Decision:** The document was **revised to S6-222926**.

**S6-222926 bulk de-registration of Non-MSGin5G UEs**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0071 rev 1 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-222695)

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

**S6-222696 MSGin5G UE bulk de-registration over MSGin5G-6 reference point**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0072 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

Only MSGin5G UE bulk registration over MSGin5G-6 reference point is specified in clause 8.2.6, the bulk de-registration procedure has not be specified. The present CR proposes this procedure.

**Decision:** The document was **revised to S6-222931**.

**S6-222931 MSGin5G UE bulk de-registration over MSGin5G-6 reference point**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0072 rev 1 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-222696)

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

**S6-222697 Message Aggregation used in Group messaging and Message delivery based on Messaging Topic**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0073 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

This CR proposes the Message Aggregation used in Group messaging and Message delivery based on Messaging Topic. This CR also removes the EN in clause 8.4.2.

**Decision:** The document was **revised to S6-222933**.

**S6-222933 Message Aggregation used in Group messaging and Message delivery based on Messaging Topic**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0073 rev 1 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-222697)

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

**S6-222698 Message Aggregation used in Broadcast messaging**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0074 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

The present CR proposes the Message Aggregation to be used in Broadcast messaging. This CR also removes the EN in clause 8.4.2.

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

**S6-222699 remove EN in clause 8.3.1**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0075 Cat: F (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

The EN in clause 8.3.1 is “Alignment of this solution with the architecture and the conclusions from the study is FFS.” is not needed since this solution has been aligned with the architecture and the conclusions from the study.

The present contribution proposes deleting the respective EN in clause 8.3.1.

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

**S6-222700 terms alignment**

*Type: CR For: Agreement  
 23.554 v18.1.0 CR-0076 Cat: D (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

Some terms in recently added text are not aligned with previously existing text, like e.g. MSGin5G client. The present CR proposes to aligning the terms.

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

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

None

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

**S6-222743 Network slice optimization based on AF policy**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

This contribution provides procedures for Network slice optimization based on AF policy.

**Discussion:**

The draft S6-222743 r1 was discussed during CC#5.

**Decision:** The document was **revised to S6-222897**.

**S6-222897 Network slice optimization based on AF policy**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-222743)

**Decision:** The document was **revised to S6-223035**.

**S6-223035 Network slice optimization based on AF policy**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-222897)

**Discussion:**

As per S6-222897 rev 3.

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

**S6-222744 update of overview and Application architecture**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

This contribution provides a update of overview and Application architecture.

**Decision:** The document was **revised to S6-222899**.

**S6-222899 update of overview and Application architecture**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-222744)

**Decision:** The document was **revised to S6-223036**.

**S6-223036 update of overview and Application architecture**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-222899)

**Discussion:**

As per S6-222899 rev 4.

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

**S6-222759 pCR TS 23.435 NSCALE\_Add slice adaption requirements**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Abstract:**

The key issues related with slice adaption and solutions related with network slice adaptation are discussed and captured as solution #10 and solution #15 in TR 23.700-99.

This contribution proposes to adding the requirements of network slice adaptation.

**Decision:** The document was **revised to S6-222901**.

**S6-222901 pCR TS 23.435 NSCALE\_Add slice adaption requirements**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-222759)

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

**S6-222760 pCR TS 23.435 NSCALE\_Add information flows and APIs of network slice adaptation**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Abstract:**

The solutions related with network slice adaptation are discussed and captured as solution #10 and solution #15 in TR 23.700-99.

This contribution proposes to adding the information flows and APIs of network slice adaptation.

**Discussion:**

The draft S6-222760 r1 was discussed during CC#5.

**Decision:** The document was **revised to S6-222902**.

**S6-222902 pCR TS 23.435 NSCALE\_Add information flows and APIs of network slice adaptation**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-222760)

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

**S6-222764 Pseudo-CR on editorial correction of NSCE registration solution**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Abstract:**

VAL server registration information flows were agreed in previous meeting and captured in TS 23.435, however the description in clause 9.2.3.1 is for service provisioning.

This contribution proposes to correct the typo.

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

**S6-222776 Discovery of management service exposure**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution proposes a new feature for supporting the discovery of MnS exposure, based on solution #8 of TR 23.700-98.

**Decision:** The document was **revised to S6-222945**.

**S6-222945 Discovery of management service exposure**

*Type: pCR For: Approval  
 23.435 v0.2.0  
 Source: Lenovo Future Communications*

(Replaces S6-222776)

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

**S6-222900 Overall evaluation of key issue#1**

*Type: pCR For: Approval  
 23.700-76 v1.1.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222259)

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

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

**S6-222767 Updates to architectural assumptions for EAS Service APIs enablement**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0131 Cat: B (Rel-18)  
  
 Source: ETRI, Uangel*

**Abstract:**

In order to support for an EAS to expose its Service APIs (i.e., EAS Service APIs) towards the other EASs within the EDGEAPP architecture, the following changes are proposed:

- a new paragraph is added to clause 4.5 for details of the enablement of EAS Service APIs

- new architectural requirements are added to clause 5.2.5

- CCF is added as an extended functionality of EES in clause 6.3.2

- exposing EAS Service APIs is added as an optional functionality of EAS in clause 6.3.6

- a new note is added in clause 6.7.1 to include the exposure capability of EAS Service APIs.

**Decision:** The document was **revised to S6-222878**.

**S6-222878 Updates to architectural assumptions for EAS Service APIs enablement**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0131 rev 1 Cat: B (Rel-18)  
  
 Source: ETRI, Uangel*

(Replaces S6-222767)

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

**S6-222768 New procedure and information flows for EAS Service APIs enablement**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0132 Cat: B (Rel-18)  
  
 Source: ETRI, Uangel*

**Abstract:**

New procedure and information flows are added to support for an EAS to expose its Service APIs (i.e., EAS Service APIs) towards the other EASs within the EDGEAPP architecture.

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

**S6-222701 Addition of prediction expiration time IE and ACR information procedure**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0126 Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Abstract:**

Based on Sol#6 and #21 for KI#3 in FS\_eEDGEAPP: Addition of prediction expiration time IE and ACR information procedure.

**Decision:** The document was **revised to S6-222949**.

**S6-222949 Addition of prediction expiration time IE and ACR information procedure**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0126 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

(Replaces S6-222701)

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

**S6-222740 ACR request trigger timing**

*Type: CR For: Approval  
 23.558 v18.0.0 CR-0130 Cat: B (Rel-18)  
  
 Source: KPN N.V.*

**Abstract:**

The present CR proposes introducing “General Context Holding Time” IE in the EAS profile (clause 8.2.4) and update clause 8.8.2.2, clause 8.8.2.3, and clause 8.8.2.6 to use the “General Context Holding Time” for ACR triggering.

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

**S6-222800 EES monitoring the UE mobility for service continuity planning**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0134 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for EES monitoring the UE mobility for service continuity planning

**Decision:** The document was **revised to S6-222992**.

**S6-222992 EES monitoring the UE mobility for service continuity planning**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0134 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222800)

**Decision:** The document was **revised to S6-223037**.

**S6-223037 EES monitoring the UE mobility for service continuity planning**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0134 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222992)

**Discussion:**

As per S6-222992 rev 1.

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

**S6-222691 ECS information configured by edge-aware AC**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0125 Cat: B (Rel-18)  
  
 Source: Samsung*

**Abstract:**

This CR proposes clarification on ECS discovery when the ECS configuration information can be configured by an edge-aware AC.

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

**S6-222723 Support more traffic filters**

*Type: CR For: Approval  
 23.558 v18.0.0 CR-0128 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

Based on KI#7 conclusion, sol#2 adds more traffic filters in session with QoS API and ACR management event API.

The present CR proposes adding more traffic filters in session with QoS API and API and ACR management event API.

**Decision:** The document was **revised to S6-222961**.

**S6-222961 Support more traffic filters**

*Type: CR For: Approval  
 23.558 v18.0.0 CR-0128 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-222723)

**Decision:** The document was **revised to S6-223038**.

**S6-223038 Support more traffic filters**

*Type: CR For: Approval  
 23.558 v18.0.0 CR-0128 rev 2 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-222961)

**Discussion:**

As per S6-222961 rev 1.

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

**S6-222674 Implementation of TR23.700-98 solution for KI#8**

*Type: CR For: Approval  
 23.558 v18.0.0 CR-0124 Cat: C (Rel-18)  
  
 Source: Convida Wireless*

**Abstract:**

The contribution proposes implementation of TR23.700-98 solution for KI#8

- To enable AC/ EEC to provide a “Selected EAS Endpoint” IE to the EES via the AC Profile, to indicate EAS selection e.g. based on pre-provisioning.

- To enable EEC to provide a UE type IE (e.g. constrained device) with the EEC registration request.

- To enable EES to select EAS and provide information as a response to EEC registration under certain conditions, i.e. based on a received selection request indicator (e.g., for constrained device) and on EES local policies.

**Decision:** The document was **revised to S6-222980**.

**S6-222980 Implementation of TR23.700-98 solution for KI#8**

*Type: CR For: Approval  
 23.558 v18.0.0 CR-0124 rev 1 Cat: C (Rel-18)  
  
 Source: Convida Wireless*

(Replaces S6-222674)

**Decision:** The document was **revised to S6-223076**.

**S6-223076 Implementation of TR23.700-98 solution for KI#8**

*Type: CR For: Approval  
 23.558 v18.0.0 CR-0124 rev 2 Cat: C (Rel-18)  
  
 Source: Convida Wireless*

(Replaces S6-222980)

**Discussion:**

As per S6-222980 rev 3.

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

**S6-222801 Traffic influence for initial EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0135 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Traffic influence for initial EAS discovery

**Decision:** The document was **revised to S6-222993**.

**S6-222993 Traffic influence for initial EAS discovery**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0135 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222801)

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

**S6-222649 ACR scenario combination**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0123 Cat: B (Rel-18)  
  
 Source: InterDigital*

**Abstract:**

ACR scenario combination feature

**Decision:** The document was **revised to S6-222886**.

**S6-222886 ACR scenario combination**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0123 rev 1 Cat: B (Rel-18)  
  
 Source: InterDigital*

(Replaces S6-222649)

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

**S6-223077 ACR scenario combination**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0123 rev 2 Cat: B (Rel-18)  
  
 Source: InterDigital*

**Discussion:**

Initially a revision of S6-222886

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

**S6-222799 EES determines the selected ACR scenario**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0133 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for EES determines the selected ACR scenario

**Decision:** The document was **revised to S6-222991**.

**S6-222991 EES determines the selected ACR scenario**

*Type: CR For: Agreement  
 23.558 v18.0.0 CR-0133 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222799)

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

**S6-222724 Support simu-EAS connectivity in ACR**

*Type: CR For: Approval  
 23.558 v18.0.0 CR-0129 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

Based on KI#21 conclusion, sol#22 adds impact in ACR request procedure triggered by EEC.

The present CR proposes adding simu-EAS connectivity info in ACR request.

**Decision:** The document was **revised to S6-222962**.

**S6-222962 Support simu-EAS connectivity in ACR**

*Type: CR For: Approval  
 23.558 v18.0.0 CR-0129 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-222724)

**Decision:** The document was **revised to S6-223078**.

**S6-223078 Support simu-EAS connectivity in ACR**

*Type: CR For: Approval  
 23.558 v18.0.0 CR-0129 rev 2 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-222962)

**Discussion:**

As per S6-222962 rev 2.

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

**S6-222722 Correct detection entity in EES executed ACR**

*Type: CR For: Approval  
 23.558 v18.0.0 CR-0127 Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The ACR detection entities include EAS and EEC besides EES, which is not reflected in the EES executed ACR description.

The present CR proposes:

- adding EEC and S-EAS as detection entity in general description part of cl.8.8.2.5;

- correcting step numbering in Figure 8.6.2.2.3.2-1.

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

### 8.12 EDGEAPP\_EXT - Edge Application Standards in 3GPP and alignment with External Organizations

**S6-222662 pCR for TR 23.958 Introduction**

*Type: pCR For: Approval  
 23.958 v0.1.0  
 Source: Intel Technology India Pvt Ltd*

**Abstract:**

This pCR provides the introduction proposal for TR 23.958.

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

### 8.13 UASAPP\_Ph2 - Architecture for UAS Applications, Phase 2

**S6-222627 Requirements for support for multi-USS deployments**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0026 Cat: B (Rel-18)  
  
 Source: InterDigital*

**Discussion:**

The draft S6-222627 rev3 was discussed during the CC#9.

**Decision:** The document was **revised to S6-222880**.

**S6-222880 Requirements for support for multi-USS deployments**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0026 rev 1 Cat: B (Rel-18)  
  
 Source: InterDigital*

(Replaces S6-222627)

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

**S6-222645 Additions to functional entities on support for multi-USS deployments**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0029 Cat: B (Rel-18)  
  
 Source: InterDigital*

**Abstract:**

The present contribution proposes additions to functional entities as support for multi-USS deployments are missing.

**Decision:** The document was **revised to S6-222881**.

**S6-222881 Additions to functional entities on support for multi-USS deployments**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0029 rev 1 Cat: B (Rel-18)  
  
 Source: InterDigital*

(Replaces S6-222645)

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

**S6-222664 Addition of multi-USS capabilities to UAE layer registration**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0030 Cat: B (Rel-18)  
  
 Source: InterDigital*

**Abstract:**

The present contribution proposes the addition of multi-USS capabilities to UAE layer registration as well as correction of some editorials.

**Decision:** The document was **revised to S6-222882**.

**S6-222882 Addition of multi-USS capabilities to UAE layer registration**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0030 rev 1 Cat: B (Rel-18)  
  
 Source: InterDigital*

(Replaces S6-222664)

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

**S6-222665 Addition of procedures for multi-USS configuration and support at change of USS**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0031 Cat: B (Rel-18)  
  
 Source: InterDigital*

**Abstract:**

The present contribution proposes the addition of procedures for multi-USS configuration and support by the UAE-layer at change of USS.

**Decision:** The document was **revised to S6-222883**.

**S6-222883 Addition of procedures for multi-USS configuration and support at change of USS**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0031 rev 1 Cat: B (Rel-18)  
  
 Source: InterDigital*

(Replaces S6-222665)

**Decision:** The document was **revised to S6-223039**.

**S6-223039 Addition of procedures for multi-USS configuration and support at change of USS**

*Type: CR For: Agreement  
 23.255 v17.3.0 CR-0031 rev 2 Cat: B (Rel-18)  
  
 Source: InterDigital*

(Replaces S6-222883)

**Discussion:**

As per S6-222883 rev 1.

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

### 8.14 SEALDD - SEAL data delivery enabler for vertical applications

**S6-222790 Proposed skeleton for TS 23.433 on SEALDD**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposed skeleton for TS 23.433 on SEALDD.

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

**S6-222791 Scope and Introduction for SEALDD TS**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Scope and Introduction for SEALDD TS 23.433.

**Decision:** The document was **revised to S6-222984**.

**S6-222984 Scope and Introduction for SEALDD TS**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222791)

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

**S6-222792 Architecture for SEALDD**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Architecture for SEALDD

**Decision:** The document was **revised to S6-222985**.

**S6-222985 Architecture for SEALDD**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222792)

**Decision:** The document was **revised to S6-223040**.

**S6-223040 Architecture for SEALDD**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222985)

**Discussion:**

As per S6-222985 rev 1.

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

**S6-222793 Business relationships of SEALDD**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Business relationships of SEALDD

**Decision:** The document was **revised to S6-222986**.

**S6-222986 Business relationships of SEALDD**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222793)

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

**S6-222794 SEALDD enabled E2E redundant transmission**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for SEALDD enabled E2E redundant transmission

**Decision:** The document was **revised to S6-222987**.

**S6-222987 SEALDD enabled E2E redundant transmission**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222794)

**Decision:** The document was **revised to S6-223041**.

**S6-223041 SEALDD enabled E2E redundant transmission**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222987)

**Discussion:**

As per S6-222987 rev 1.

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

**S6-222795 SEALDD regular connection establishment**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for SEALDD regular connection establishment

**Decision:** The document was **revised to S6-222988**.

**S6-222988 SEALDD regular connection establishment**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222795)

**Decision:** The document was **revised to S6-223042**.

**S6-223042 SEALDD regular connection establishment**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222988)

**Discussion:**

As per S6-222988 rev 2.

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

**S6-222796 SEALDD and MSGin5G**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for SEALDD and MSGin5G

**Decision:** The document was **revised to S6-222989**.

**S6-222989 SEALDD and MSGin5G**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222796)

**Decision:** The document was **revised to S6-223043**.

**S6-223043 SEALDD and MSGin5G**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222989)

**Discussion:**

As per S6-222989 rev 1.

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

**S6-222797 SEALDD Server Discovery and Selection**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for SEALDD Server Discovery and Selection

**Decision:** The document was **revised to S6-222990**.

**S6-222990 SEALDD Server Discovery and Selection**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222797)

**Decision:** The document was **revised to S6-223044**.

**S6-223044 SEALDD Server Discovery and Selection**

*Type: pCR For: Approval  
 23.433 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222990)

**Discussion:**

As per S6-222990 rev 1.

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

**S6-222798 Update to SEAL architecture to include SEALDD**

*Type: CR For: Agreement  
 23.434 v18.2.0 CR-0129 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Update to SEAL architecture to include SEALDD

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

### 8.15 eV2XAPP2\_Ph2 - Enhancements to application layer support for V2X services; Phase 2

**S6-222809 V2X application layer architecture support for edge deployments**

*Type: CR For: Agreement  
 23.286 v17.4.0 CR-0072 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for V2X application layer architecture support for edge deployments

**Decision:** The document was **revised to S6-222999**.

**S6-222999 V2X application layer architecture support for edge deployments**

*Type: CR For: Agreement  
 23.286 v17.4.0 CR-0072 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222809)

**Decision:** The document was **revised to S6-223045**.

**S6-223045 V2X application layer architecture support for edge deployments**

*Type: CR For: Agreement  
 23.286 v17.4.0 CR-0072 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222999)

**Discussion:**

As per S6-222999 rev 1.

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

**S6-222810 Enhancement to network monitoring**

*Type: CR For: Agreement  
 23.286 v17.4.0 CR-0073 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Enhancement to network monitoring

**Decision:** The document was **revised to S6-223000**.

**S6-223000 Enhancement to network monitoring**

*Type: CR For: Agreement  
 23.286 v17.4.0 CR-0073 rev 1 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-222810)

**Decision:** The document was **revised to S6-223046**.

**S6-223046 Enhancement to network monitoring**

*Type: CR For: Agreement  
 23.286 v17.4.0 CR-0073 rev 2 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-223000)

**Discussion:**

As per S6-223000 rev 1.

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

### 8.16 ADAES - Application Data Analytics Enablement Service

**S6-222769 Skeleton for TS 23.436**

*Type: pCR For: Approval  
 23.436 v0.0.0  
 Source: Lenovo Future Communications*

**Abstract:**

Proposed skeleton for TS 23.436.

**Decision:** The document was **revised to S6-222940**.

**S6-222940 Skeleton for TS 23.436**

*Type: pCR For: Approval  
 23.436 v0.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-222769)

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

**S6-222770 Scope and Introduction for TS 23.436**

*Type: pCR For: Approval  
 23.436 v0.0.0  
 Source: Lenovo Future Communications*

**Abstract:**

The contribution proposes scope and introduction for TS 23.436.

**Decision:** The document was **revised to S6-222941**.

**S6-222941 Scope and Introduction for TS 23.436**

*Type: pCR For: Approval  
 23.436 v0.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-222770)

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

**S6-222771 Generic architecture requirements**

*Type: pCR For: Approval  
 23.436 v0.0.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution discusses the architecture requirements for ADAE layer.

**Decision:** The document was **revised to S6-222942**.

**S6-222942 Generic architecture requirements**

*Type: pCR For: Approval  
 23.436 v0.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-222771)

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

**S6-222772 annex on deployment scenarios**

*Type: pCR For: Approval  
 23.436 v0.0.0  
 Source: Lenovo Future Communications*

**Abstract:**

This paper proposes an Annex on deployment scenarios.

**Decision:** The document was **revised to S6-222943**.

**S6-222943 annex on deployment scenarios**

*Type: pCR For: Approval  
 23.436 v0.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-222772)

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

## 9 Rel-18 Study Items

### 9.1 FS\_PINAPP - Study on Application layer support for Personal IoT

**S6-222651 General overview of PIN and PIN lifecycle**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

**Abstract:**

This pCR proposes to put forward an overall evaluation update from KI#1 to KI#6.

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

**S6-222652 Evaluation and conclusion of PIN create**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

**Abstract:**

This pCR proposes to put forward an evaluation of PIN create in KI#1.

**Decision:** The document was **revised to S6-222904**.

**S6-222904 Evaluation and conclusion of PIN create**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

(Replaces S6-222652)

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

**S6-222653 Evaluation and conclusion of PIN delete**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

**Abstract:**

This pCR proposes to put forward an evaluation of PIN delete.

**Decision:** The document was **revised to S6-222905**.

**S6-222905 Evaluation and conclusion of PIN delete**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

(Replaces S6-222653)

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

**S6-222654 Evaluation and conclusion of PIN server discovery**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

**Abstract:**

This pCR proposes to put forward an evaluation of PIN server discovery.

**Decision:** The document was **revised to S6-222906**.

**S6-222906 Evaluation and conclusion of PIN server discovery**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

(Replaces S6-222654)

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

**S6-222655 Evaluation and conclusion of KI#2 for PINE communication via 5GS**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

**Abstract:**

This pCR proposes to put forward an overall evaluation of KI#2.

**Decision:** The document was **revised to S6-222907**.

**S6-222907 Evaluation and conclusion of KI#2 for PINE communication via 5GS**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

(Replaces S6-222655)

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

**S6-222656 Evaluation and conclusion of PEMC/PEGC/PINE registration**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

**Abstract:**

This pCR proposes to put forward an evaluation of solution 12.

**Decision:** The document was **revised to S6-222908**.

**S6-222908 Evaluation and conclusion of PEMC/PEGC/PINE registration**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

(Replaces S6-222656)

**Decision:** The document was **revised to S6-223047**.

**S6-223047 Evaluation and conclusion of PEMC/PEGC/PINE registration**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

(Replaces S6-222908)

**Discussion:**

As per S6-222908 rev 1.

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

**S6-222657 Evaluation of Solution 10: Service switch internal PIN**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

**Abstract:**

This pCR proposes to put forward an evaluation of solution 10 for KI#3.

**Decision:** The document was **revised to S6-222909**.

**S6-222909 Evaluation of Solution 10: Service switch internal PIN**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

(Replaces S6-222657)

**Decision:** The document was **revised to S6-223049**.

**S6-223049 Evaluation of Solution 10: Service switch internal PIN**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

(Replaces S6-222909)

**Discussion:**

As per S6-222909 rev 1 with the only additional change to removed the editor's note.

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

**S6-222658 New solution for Service continuity in PIN**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

**Abstract:**

This pCR proposes to put forward a new solution for KI#5 and KI#2.

**Decision:** The document was **revised to S6-222910**.

**S6-222910 New solution for Service continuity in PIN**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

(Replaces S6-222658)

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

**S6-222659 Solution update for Access control information in PEGC**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

**Abstract:**

This pCR proposes to put forward a solution update for solution 2.

**Decision:** The document was **revised to S6-222911**.

**S6-222911 Solution update for Access control information in PEGC**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

(Replaces S6-222659)

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

**S6-222660 Solution update for PIN server discovery**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

**Abstract:**

This pCR proposes to put forward a solution update for solution 7.

**Decision:** The document was **revised to S6-222912**.

**S6-222912 Solution update for PIN server discovery**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

(Replaces S6-222660)

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

**S6-222669 Update 7.3.2.3.7 local PEMC failure**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: Convida Wireless*

**Abstract:**

The present contribution addresses questions clarifying the role of UE/PEMC1 and PEMC2 in the PIN and how UE/PEMC1 knows of PINE-1 capability in the procedure clause 7.3.2.3.7.

**Decision:** The document was **revised to S6-222972**.

**S6-222972 Update 7.3.2.3.7 local PEMC failure**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: Convida Wireless*

(Replaces S6-222669)

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

**S6-222670 PIN management with multiple PEGCs**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: Convida Wireless*

**Abstract:**

The present contribution provides support for PIN Element with Gateway Capability requirements derived from 3GPP TS 22.61. A PIN can be configured with multiple simultaneous active PEGCs which offer load balancing and redundancy for relaying PIN communications.

**Decision:** The document was **revised to S6-222973**.

**S6-222973 PIN management with multiple PEGCs**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: Convida Wireless*

(Replaces S6-222670)

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

**S6-222686 Evaluation and conclusion of PIN discovery**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

**Abstract:**

This pCR proposes to put forward an evaluation of PIN discovery in KI#1.

**Decision:** The document was **revised to S6-222914**.

**S6-222914 Evaluation and conclusion of PIN discovery**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: vivo*

(Replaces S6-222686)

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

**S6-222745 Pseudo-CR on number of active PEMC in a PIN**

*Type: pCR For: (not specified)  
 23.700-78 v0.5.0  
 Source: Samsung*

**Abstract:**

PIN can have more than 1 active PEMC and we should not restrict it to 1 PEMC.

The present CR proposes delete the EN suggesting the PEMC should be restricted to 1.

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

**S6-222746 Pseudo-CR on modification of PIN internally**

*Type: pCR For: (not specified)  
 23.700-78 v0.5.0  
 Source: Samsung*

**Abstract:**

The present contribution proposes deleting the EN "Whether the PIN modification can be triggered or accomplished internal PIN needs more study."

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

**S6-222747 Pseudo CR on PIN profile and PIN dynamic profile**

*Type: pCR For: (not specified)  
 23.700-78 v0.5.0  
 Source: Samsung*

**Abstract:**

The present contribution proposes deleting the EN

"Relationship between the PIN profile and dynamic profile information of PIN is FFS."

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

**S6-222748 Pseudo-CR - Solution evaluation for PIN profile**

*Type: pCR For: (not specified)  
 23.700-78 v0.5.0  
 Source: Samsung*

**Abstract:**

This pCR introduces the solution evaluation for the solution #6 which is related to the PIN profiles.

**Decision:** The document was **revised to S6-222916**.

**S6-222916 Pseudo-CR - Solution evaluation for PIN profile**

*Type: pCR For: -  
 23.700-78 v0.5.0  
 Source: Samsung*

(Replaces S6-222748)

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

**S6-222749 Pseudo CR on PIN elements addition while creating PIN**

*Type: pCR For: (not specified)  
 23.700-78 v0.5.0  
 Source: Samsung*

**Abstract:**

This pCR adds the notification part to the PIN elements when they are added as members of the PIN when it is created and also removes the existing editor’s notes.

**Decision:** The document was **revised to S6-222959**.

**S6-222959 Pseudo CR on PIN elements addition while creating PIN**

*Type: pCR For: -  
 23.700-78 v0.5.0  
 Source: Samsung*

(Replaces S6-222749)

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

**S6-222750 Pseudo-CR on activation and deactivation of PIN**

*Type: pCR For: (not specified)  
 23.700-78 v0.5.0  
 Source: Samsung*

**Abstract:**

This pCR adds a procedure for PIN activation and deactivation as part of PIN management procedures.

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

**S6-222855 Evaluation of Key Issue #3: Service switch in PIN**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: InterDigital*

(Replaces S6-222503)

**Abstract:**

This p-CR introduces overall evaluation for Key Issue #3

**Decision:** The document was **revised to S6-222876**.

**S6-222876 Evaluation of Key Issue #3: Service switch in PIN**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: InterDigital*

(Replaces S6-222855)

**Decision:** The document was **revised to S6-223048**.

**S6-223048 Evaluation of Key Issue #3: Service switch in PIN**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: InterDigital*

(Replaces S6-222876)

**Discussion:**

As per S6-222876 rev 1.

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

**S6-222856 New solution for KI#5 – PIN Service continuity**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: InterDigital*

(Replaces S6-222393)

**Abstract:**

This pCR proposes a solution (Service Continuity in a PIN) for KI#5.

**Decision:** The document was **revised to S6-222877**.

**S6-222877 New solution for KI#5 – PIN Service continuity**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: InterDigital*

(Replaces S6-222856)

**Discussion:**

The S6-222877 rev 2 was discussed during the closing call but finally postponed.

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

**S6-222858 Clarification of scope due to PIN Requirements for Managing PINE Identifiers**

*Type: pCR For: Approval  
 23.700-78 v0.5.0  
 Source: InterDigital*

**Abstract:**

This paper discusses the PIN feature in general and how it relates to the UIA requirements from SA1. The purpose of this paper is to highlight that SA1 has already established clear requirements for identifying PINEs and that the PINE identifiers should be under operator control.

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

### 9.2 FS\_MCShAC - Study on sharing of administrative configuration between interconnected MC service systems

**S6-222624 Solution on group membership update by authorized user from a partner MC system**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: Netherlands Police*

**Abstract:**

This pCR adds a solution that is designed to solve key issue 4, change group configuration. It also addresses the second pre-condition in 3GPP TS 23.280, clause 10.2.7.2.

**Decision:** The document was **revised to S6-222625**.

**S6-222625 Solution on group membership update by authorized user from a partner MC system**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: Netherlands Police*

(Replaces S6-222624)

**Decision:** The document was **revised to S6-222874**.

**S6-222874 Solution on group membership update by authorized user from a partner MC system**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: Netherlands Police*

(Replaces S6-222625)

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

**S6-222629 pCR on functional architecture**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: BDBOS, Nokia, Nokia Shanghai Bell, A.S.T.R.I.D., Netherlands Police, MINISTERE DE L'INTERIEUR*

(Replaces S6-222496)

**Abstract:**

This pCR adds functional architecture for sharing administrative configurations between interconnected MC systems. This contribution introduces a baseline approach, and further refinements might be required.

**Discussion:**

BDBOS presented the contribution S6-222629 during CC#03.

**Decision:** The document was **revised to S6-222923**.

**S6-222923 pCR on functional architecture**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: BDBOS, Nokia, Nokia Shanghai Bell, A.S.T.R.I.D., Netherlands Police, MINISTERE DE L'INTERIEUR*

(Replaces S6-222629)

**Decision:** The document was **revised to S6-223050**.

**S6-223050 pCR on functional architecture**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: BDBOS, Nokia, Nokia Shanghai Bell, A.S.T.R.I.D., Netherlands Police, MINISTERE DE L'INTERIEUR*

(Replaces S6-222923)

**Discussion:**

As per S6-222923 rev 1.

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

**S6-222630 Solution on user authorization**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: BDBOS*

(Replaces S6-222083)

**Abstract:**

This pCR adds a solution for user authorization, based on KI#6.

This solution requires the availability of a standardised mechanism to exchange administrative configuration information between connected MC systems, such as the proposed administrative configuration exchange level, and it describes a high level ACX authorization flow triggered by an authorized user (ACMC) towards the ACMS in the primary MC system.

**Decision:** The document was **revised to S6-222982**.

**S6-222982 Solution on user authorization**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: BDBOS*

(Replaces S6-222630)

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

**S6-222643 Solution on request group ID**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: BDBOS*

**Abstract:**

This solutions enables an authorized user to request a list of available MC service group ID(s) from a partner MC system, which may be used as interconnection groups.

**Discussion:**

BDBOS presented the contribution draft S6-222643 rev 1 during CC#03.

**Decision:** The document was **revised to S6-222956**.

**S6-222956 Solution on request group ID**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: BDBOS*

(Replaces S6-222643)

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

**S6-222644 pCR Solution on exchange of user configuration**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: BDBOS*

(Replaces S6-222118)

**Abstract:**

The present pCR adds a solution that is designed to solve key issue 3. It also addresses the first pre-condition in 3GPP TS 23.280, clause 10.1.4.3.2.

**Discussion:**

BDBOS presented the contribution S6-222644 during CC#03.

The Netherlands Police noted they did not see the use case for the presented proposal.

**Decision:** The document was **revised to S6-222875**.

**S6-222875 pCR Solution on exchange of user configuration**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: BDBOS*

(Replaces S6-222644)

**Decision:** The document was **revised to S6-223051**.

**S6-223051 pCR Solution on exchange of user configuration**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: BDBOS*

(Replaces S6-222875)

**Discussion:**

As per S6-222875 rev 1.

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

**S6-222864 MCShAC enhancement to functional architecture**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: Motorola Solutions Poland*

**Abstract:**

The purpose of this pCR is to give a solution for key issue 1 in subclause 5.1. This key issue suggests that modifications are needed to the MC services functional architecture that is found in TS 23.280 (and potentially other MC service TSs) in order to fulfil the requirements in TS 22.280 section 5.16.4 Sharing of administrative configuration between Mission Critical Organizations.

This solution only brings what is new and necessary in order to fulfil the requirements listed above. There is no point in duplicating functions or interfaces, where an appropriate function or interface already exists.

**Decision:** The document was **revised to S6-223026**.

**S6-223026 MCShAC enhancement to functional architecture**

*Type: pCR For: Approval  
 23.700-38 v0.3.0  
 Source: Motorola Solutions Poland*

(Replaces S6-222864)

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

### 9.3 FS\_MCAHGC - Study on Mission Critical Ad hoc Group Communications Support for Mission Critical Services

**S6-222751 Pseudo CR on resolving Editors notes**

*Type: pCR For: (not specified)  
 23.700-76 v1.2.0  
 Source: Samsung*

**Abstract:**

The present contribution proposes deleting the following editor’s notes :

EN 1: Editor's note: Whether the functional alias or list of functional alias can be considered as the value for the information element Criteria for determining the participants is FFS.

EN 2: Editor's Note: Table 8.1.2-1 will be further updated once solution and solution evaluation are completed for all the identified key issues.

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

**S6-222761 Pseudo-CR on overall evaluation of Key issue #1**

*Type: pCR For: (not specified)  
 23.700-76 v1.2.0  
 Source: Samsung*

**Abstract:**

Key issue #1 is related to the establishment and release of Ad hoc group communication.

This contribution provides a proposal for overall evaluation of Key issue#1.

**Decision:** The document was **revised to S6-222917**.

**S6-222917 Pseudo-CR on overall evaluation of Key issue #1**

*Type: pCR For: -  
 23.700-76 v1.2.0  
 Source: Samsung*

(Replaces S6-222761)

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

**S6-222763 Pseudo-CR on adding description to Conclusions clause**

*Type: pCR For: (not specified)  
 23.700-76 v1.2.0  
 Source: Samsung*

**Abstract:**

This pCR adds details to the conclusions clause based on the progress made so far.

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

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

**S6-222680 Coordination between Edge services and network slices**

*Type: CR For: Agreement  
 23.700-99 v18.0.0 CR-0001 Cat: B (Rel-18)  
  
 Source: Convida Wireless*

**Abstract:**

This paper proposes a new key issue for Coordination between Edge services and network slices.

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

**S6-222981 Coordination between Edge services and network slices**

*Type: CR For: Agreement  
 23.700-99 v18.0.0 CR-0001 rev 1 Cat: B (Rel-18)  
  
 Source: Convida Wireless*

**Discussion:**

Initially reserved as revision of S6-222680.

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

**S6-222739 Correction of clause 4**

*Type: CR For: Approval  
 23.700-99 v18.0.0 CR-0002 Cat: D (Rel-18)  
  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

The present CR proposes correcting some editorial errors for the NSCE-S.

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

**S6-222891 Correction of clause 4**

*Type: CR For: Approval  
 23.700-99 v18.0.0 CR-0002 rev 1 Cat: D (Rel-18)  
  
 Source: China Mobile (Suzhou) Software*

**Discussion:**

Initially reserved as revision of S6-222739

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

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

**S6-222675 Conditional user consent use case**

*Type: pCR For: Approval  
 23.700-95 v1.4.0  
 Source: Convida Wireless*

(Replaces S6-222386)

**Abstract:**

This contribution proposes to add SNAAPP Conditional fine-grained user consent use case to the Annex.

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

**S6-222676 Conditional user consent enablement**

*Type: pCR For: Approval  
 23.700-95 v1.4.0  
 Source: Convida Wireless*

**Abstract:**

This contribution proposes to add SNAAP support for Conditional fine-grained user consent use case

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

**S6-222706 Clarification of CAPIF-8**

*Type: pCR For: Approval  
 23.700-95 v1.5.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to clarify the function of CAPIF-8.

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

**S6-222707 Resolving an Editor's Note about the location of the Authorization Function**

*Type: pCR For: Approval  
 23.700-95 v1.5.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to resolve an Editor's Note about the location of the Authorization Function in clause 6.2.1.2.1.

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

**S6-222708 Limitation of the API provider for Rel-18 SNAAPP**

*Type: pCR For: Approval  
 23.700-95 v1.5.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to limit the use cases supported in Rel-18 SNAAPP for simplicity by assuming that the API provider should be in the same trust domain as the CCF.

**Decision:** The document was **revised to S6-222934**.

**S6-222934 Limitation of the API provider for Rel-18 SNAAPP**

*Type: pCR For: Approval  
 23.700-95 v1.5.0  
 Source: NTT DOCOMO*

(Replaces S6-222708)

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

**S6-222709 New key issue on granularity of authorization scope**

*Type: pCR For: Approval  
 23.700-95 v1.5.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a new key issue on granularity of authorization scope.

**Discussion:**

The draft S6-222709 rev 1 was discussed during CC#5.

**Decision:** The document was **revised to S6-222935**.

**S6-222935 New key issue on granularity of authorization scope**

*Type: pCR For: Approval  
 23.700-95 v1.5.0  
 Source: NTT DOCOMO*

(Replaces S6-222709)

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

**S6-222710 New solution for granularity of authorization scope**

*Type: pCR For: Approval  
 23.700-95 v1.5.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a new solution for granularity of authorization scope.

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

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

**S6-222677 Solution #4 update and eval**

*Type: pCR For: Approval  
 23.700-97 v0.9.0  
 Source: Convida Wireless*

**Abstract:**

This pCR provides a an update and evaluation for Device Triggering.

**Decision:** The document was **revised to S6-222974**.

**S6-222974 Solution #4 update and eval**

*Type: pCR For: Approval  
 23.700-97 v0.9.0  
 Source: Convida Wireless*

(Replaces S6-222677)

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

**S6-222678 TR 23.700-97 editorial updates**

*Type: pCR For: Approval  
 23.700-97 v0.9.0  
 Source: Convida Wireless*

**Abstract:**

This pCR provides editorial updates for 3GPP TR 23.700-97 V 0.9.0.

**Decision:** The document was **revised to S6-222975**.

**S6-222975 TR 23.700-97 editorial updates**

*Type: pCR For: Approval  
 23.700-97 v0.9.0  
 Source: Convida Wireless*

(Replaces S6-222678)

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

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

**S6-222635 Pseudo-CR on Solution#6 Update**

*Type: pCR For: Approval  
 23.700-96 v0.7.0  
 Source: CATT*

**Abstract:**

The present contribution proposes updating solution#6 to clarify the configuration function for location service.

**Decision:** The document was **revised to S6-222927**.

**S6-222927 Pseudo-CR on Solution#6 Update**

*Type: pCR For: Approval  
 23.700-96 v0.7.0  
 Source: CATT*

(Replaces S6-222635)

**Decision:** The document was **revised to S6-223052**.

**S6-223052 Pseudo-CR on Solution#6 Update**

*Type: pCR For: Approval  
 23.700-96 v0.7.0  
 Source: CATT*

(Replaces S6-222927)

**Discussion:**

As per S6-222927 rev 1.

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

**S6-222636 Pseudo-CR to add new Clause 7.0**

*Type: pCR For: Approval  
 23.700-96 v0.7.0  
 Source: CATT*

**Abstract:**

The present contribution proposes adding a new clause 7.0 to map the solutions to key issues.

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

**S6-222637 Pseudo-CR for removing the clause 6**

*Type: pCR For: Approval  
 23.700-96 v0.7.0  
 Source: CATT*

**Abstract:**

The present contribution proposes removing the clause 6.

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

**S6-222638 Pseudo-CR on update Architectural requirements**

*Type: pCR For: Approval  
 23.700-96 v0.7.0  
 Source: CATT*

**Abstract:**

The present contribution proposes to updating clause 4.2 to add the architectural requirements.

**Decision:** The document was **revised to S6-222928**.

**S6-222928 Pseudo-CR on update Architectural requirements**

*Type: pCR For: Approval  
 23.700-96 v0.7.0  
 Source: CATT*

(Replaces S6-222638)

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

**S6-222639 Pseudo-CR on update the Scope**

*Type: pCR For: Approval  
 23.700-96 v0.7.0  
 Source: CATT*

**Abstract:**

The present contribution proposes updating the scope to align with the conclusion of the study.

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

**S6-222640 Pseudo-CR on update for overall evaluation**

*Type: pCR For: Approval  
 23.700-96 v0.7.0  
 Source: CATT*

**Abstract:**

The present contribution provides an overall evaluation for all of Key issues in TR 23.700-96.

**Decision:** The document was **revised to S6-222929**.

**S6-222929 Pseudo-CR on update for overall evaluation**

*Type: pCR For: Approval  
 23.700-96 v0.7.0  
 Source: CATT*

(Replaces S6-222640)

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

**S6-222641 Pseudo-CR on update for Conclusion**

*Type: pCR For: Approval  
 23.700-96 v0.7.0  
 Source: CATT*

**Abstract:**

The present contribution provides the conclusion for the TR 23.700-96.

**Decision:** The document was **revised to S6-222930**.

**S6-222930 Pseudo-CR on update for Conclusion**

*Type: pCR For: Approval  
 23.700-96 v0.7.0  
 Source: CATT*

(Replaces S6-222641)

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

### 9.8 FS\_eEDGEAPP - Study on enhanced Application Architecture for enabling Edge Applications

**S6-222687 Editorial correction in clause 11.2.3**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

**Abstract:**

This contribution corrects the title of solution #12 in clause 11.2.3.

**Decision:** The document was **revised to S6-222887**.

**S6-222887 Editorial correction in clause 11.2.3**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222687)

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

**S6-222702 Conclusion of KI#5**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, HiSilicon*

**Abstract:**

This paper proposes conclusion for KI#5 Alignment of EDGEAPP and ETSI MEC.

**Decision:** The document was **revised to S6-222950**.

**S6-222950 Conclusion of KI#5**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon, Intel, ETRI*

(Replaces S6-222702)

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

**S6-222715 KI#5-Conclusion**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Intel Technology India Pvt Ltd*

**Abstract:**

This pCR provides the conclusion for of KI#5 Alignment of EDGEAPP and ETSI MEC.

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

**S6-222845 Federation and Roaming - Use cases and solution options**

*Type: discussion For: Discussion  
 23.700-98 v..  
 Source: Qualcomm*

**Abstract:**

The present paper discusses the Federation and Roaming use cases and solution options.

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

**S6-222827 Federation and roaming scenario and solution**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Federation and roaming scenario and solution

**Decision:** The document was **revised to S6-223013**.

**S6-223013 Federation and roaming scenario and solution**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222827)

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

**S6-222846 Enhanced ECS for federation and roaming**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Qualcomm, AT&T, NTT Docomo, Convida, Intel*

**Abstract:**

This solution provides enhancements to the ECS and procedures to support federation of services, UE roaming, and federation of services across PLMNs for roaming UEs.

**Decision:** The document was **revised to S6-222954**.

**S6-222954 Enhanced ECS for federation and roaming**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Qualcomm, AT&T, NTT Docomo, Convida, Intel, Samsung, InterDigital*

(Replaces S6-222846)

**Discussion:**

S6-222954 rev 3 considered during the closing call.

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

**S6-222825 Adding working assumption on solution#4 and solution#5**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Adding working assumption on solution#4 and solution#5

**Decision:** The document was **revised to S6-223012**.

**S6-223012 Adding working assumption on solution#4 and solution#5**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222825)

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

**S6-222688 Remove EN on Supported PLMN ID in Sol#13**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

**Abstract:**

This contribution proposes removing the EN related to Supported PLMN ID in solution #13.

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

**S6-222689 Update solution #13**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222076)

**Abstract:**

This contribution proposes to update solution #13.

**Decision:** The document was **revised to S6-222888**.

**S6-222888 Update solution #13**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222689)

**Decision:** The document was **revised to S6-223053**.

**S6-223053 Update solution #13**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222888)

**Discussion:**

As per S6-222888 rev 1.

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

**S6-222704 Resolving the EN in Solution 4**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, HiSilicon*

(Replaces S6-222413)

**Abstract:**

This paper resolves the remaining EN in Solution #4: ECS discovery through serving ECS to support edge services across ECSPs.

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

**S6-222705 Resolving the EN in Solution 5**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, HiSilicon*

(Replaces S6-222414)

**Abstract:**

Resolving the EN in Solution 5 and the overall evaluations of KI#6 and KI#10

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

**S6-222847 Solution #4, #5 update for ECS selection**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Qualcomm*

**Abstract:**

This pCR updates solution #4 and solution #5, to provide a list of candidate ECS(s) to the EEC or the S-EES to choose from.

**Decision:** The document was **revised to S6-222955**.

**S6-222955 Solution #4, #5 update for ECS selection**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Qualcomm*

(Replaces S6-222847)

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

**S6-222690 Architecture enhancements evaluation and conclusion for roaming UEs**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

**Abstract:**

This contribution proposes evaluation and conclusion for architecture enhancements to support roaming UEs hosting EEC.

**Decision:** The document was **revised to S6-222918**.

**S6-222918 Architecture enhancements evaluation and conclusion for roaming UEs**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222690)

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

**S6-222703 Conclusion of KI#6 and KI#10**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, HiSilicon*

**Abstract:**

This paper proposes conclusion for KI#6: Edge services support across ECSPs and KI#10: Support for roaming UEs.

**Discussion:**

For the revision add InterDigital as co-source.

**Decision:** The document was **revised to S6-222951**.

**S6-222951 Conclusion of KI#6 and KI#10**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon, InterDigital*

(Replaces S6-222703)

**Discussion:**

The S6-222951 rev 1 was considered during the closing call.

The only change is adding Intel as a co-signer.

**Decision:** The document was **revised to S6-223054**.

**S6-223054 Conclusion of KI#6 and KI#10**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon, InterDigital, Qualcomm, Intel*

(Replaces S6-222951)

**Discussion:**

During the course of the closing call it was however decided to postpone the document.

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

**S6-222836 Modification on architecture requirement on ECS discovery**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Modification on architecture requirement on ECS discovery

**Decision:** The document was **revised to S6-223020**.

**S6-223020 Modification on architecture requirement on ECS discovery**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222836)

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

**S6-222647 FS\_eEDGEAPP Key Issue #10 Overall Evaluation Update and Conclusion**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: InterDigital, Samsung, Huawei*

(Replaces S6-222348)

**Abstract:**

KI#10 Overall evaluation and conclusion

**Decision:** The document was **revised to S6-222885**.

**S6-222885 FS\_eEDGEAPP Key Issue #10 Overall Evaluation Update and Conclusion**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: InterDigital, Samsung, Huawei*

(Replaces S6-222647)

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

**S6-222732 Federated EAS discovery**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

(Replaces S6-222550)

**Abstract:**

This contribution proposes a new solution for KI#6 and KI#22.

**Decision:** The document was **revised to S6-222967**.

**S6-222967 Federated EAS discovery**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

(Replaces S6-222732)

**Discussion:**

S6-222967 rev 4 considered during the closing call.

**Decision:** The document was **revised to S6-223055**.

**S6-223055 Federated EAS discovery**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

(Replaces S6-222967)

**Discussion:**

As per S6-222967 rev 4.

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

**S6-222830 Solution for EAS discovery in Edge Node sharing scenario**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for EAS discovery in Edge Node sharing scenario

**Decision:** The document was **revised to S6-223016**.

**S6-223016 Solution for EAS discovery in Edge Node sharing scenario**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222830)

**Discussion:**

S6-223016 rev 2 considered during the closing call.

**Decision:** The document was **revised to S6-223056**.

**S6-223056 Solution for EAS discovery in Edge Node sharing scenario**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-223016)

**Discussion:**

As per S6-223016 rev 2.

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

**S6-222754 Solution for Edge Node Sharing**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222481)

**Abstract:**

This contribution proposes a new solution (EAS discovery for Edge node sharing) for KI#22.

**Decision:** The document was **revised to S6-222920**.

**S6-222920 Solution for Edge Node Sharing**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222754)

**Discussion:**

S6-222920 rev 3 considered during the closing call.

**Decision:** The document was **revised to S6-223057**.

**S6-223057 Solution for Edge Node Sharing**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222920)

**Discussion:**

As per S6-222920 rev3.

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

**S6-222753 Edge Node Sharing and Federation (Merged Solution)**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

**Abstract:**

This contribution proposes a new solution for KI#6 and KI#22.

**Discussion:**

Samsung presented the TDoc S6-222753 during CC#01.

**Decision:** The document was **revised to S6-222919**.

**S6-222919 Edge Node Sharing and Federation (Merged Solution)**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222753)

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

**S6-222736 Solution for KI#22 Invoke non-roaming UE location**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

**Abstract:**

This pCR provides solution to KI#22 - Method of supporting federated EAS service.

**Decision:** The document was **revised to S6-222866**.

**S6-222866 Solution for KI#22 Invoke non-roaming UE location**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222736)

**Abstract:**

This pCR provides solution to KI#22 - EAS discovery in Edge Node sharing scenario.

**Decision:** The document was **revised to S6-222946**.

**S6-222946 Solution for KI#22 Invoke non-roaming UE location**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222866)

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

**S6-222720 EAS selection and instantiation in EES**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

**Abstract:**

This contribution proposes a new solution to minimize the EAS instantiation during EAS discovery (only trigger instantiation per need).

**Decision:** The document was **revised to S6-222958**.

**S6-222958 EAS selection and instantiation in EES**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

(Replaces S6-222720)

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

**S6-222821 Resolve EN in Solution #40**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Resolve EN in Solution #40

**Decision:** The document was **revised to S6-223008**.

**S6-223008 Resolve EN in Solution #40**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222821)

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

**S6-222824 Update Solution #33**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Update Solution #33

**Discussion:**

The document was discussed during the CC#8.

**Decision:** The document was **revised to S6-223011**.

**S6-223011 Update Solution #33**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222824)

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

**S6-222820 Evaluation and conclusion for KI #9**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Evaluation and conclusion for KI #9

**Decision:** The document was **revised to S6-223007**.

**S6-223007 Evaluation and conclusion for KI #9**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon, InterDigital*

(Replaces S6-222820)

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

**S6-222648 Pseudo-CR on KI#9 Overall evaluation**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: InterDigital*

(Replaces S6-222347)

**Abstract:**

Overall evaluation and conclusion of KI#9

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

**S6-222719 Pseudo-CR on solution to key issue#11 considering AC Association in case of application with multi components**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: IIT Delhi, IIT Bhilai, Reliance Jio*

**Abstract:**

Currently, the ACR is performed within the scope of a AC. However, ACR can be performed for a association of the AC in case having one or more components.

The contribution proposes to support multiple components of the same application the application can be a AC association as mentiond in Key Issue 17 which have a common characteristics where ACs may have similar or different requirements as mentioned in AC association profile.

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

**S6-222780 Pseudo-CR on Solution#25 update for CAS initiated ACR procedure**

*Type: pCR For: Approval  
 23.700-98 v1.1.1  
 Source: KPN N.V., Qualcomm, Vivo, Samsung*

**Abstract:**

Solution #25, ACR between EAS and Cloud Application Server, has the following Editor’s Notes for “CAS initiated ACR” procedure in clause 7.25.2.2.5.

Editor's Note: How CAS detects ACR is FFS

Editor's Note: How CAS knows the EES is FFS.

Editor's Note: Whether the UE Identifier need to be shared with the CAS and how it is shared is FFS.

This contribution proposes to resolve this Editor’s Notes. Mainly This contribution address the 2nd Editor’s Note which is about How the CAS knows the EES to perform ACR to an EAS.

**Discussion:**

The draft S6-222780 rev2 was discussed during the CC#8.

**Decision:** The document was **revised to S6-222957**.

**S6-222957 Pseudo-CR on Solution#25 update for CAS initiated ACR procedure**

*Type: pCR For: Approval  
 23.700-98 v1.1.1  
 Source: KPN N.V., Qualcomm, Vivo, Samsung*

(Replaces S6-222780)

**Decision:** The document was **revised to S6-223058**.

**S6-223058 Pseudo-CR on Solution#25 update for CAS initiated ACR procedure**

*Type: pCR For: Approval  
 23.700-98 v1.1.1  
 Source: KPN N.V., Qualcomm, Vivo, Samsung*

(Replaces S6-222957)

**Discussion:**

As per S6-222957 rev 2.

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

**S6-222829 Solution for the CAS initiated ACR procedure**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for the CAS initiated ACR procedure

**Decision:** The document was **revised to S6-223015**.

**S6-223015 Solution for the CAS initiated ACR procedure**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222829)

**Decision:** The document was **revised to S6-223059**.

**S6-223059 Solution for the CAS initiated ACR procedure**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-223015)

**Discussion:**

As per S6-223015 rev 3.

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

**S6-222727 KI#11 conclusion**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

**Abstract:**

This contribution provides conclusion for KI#11.

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

**S6-222779 Pseudo-CR on concluding KI#11**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung, KPN*

**Abstract:**

This pCR proposes to resolve ENs related to "ACR between EAS and Cloud Application Server" and also proposes conclusion.

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

**S6-223024 Pseudo-CR on concluding KI#11**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung, KPN*

(Replaces S6-222779)

**Decision:** The document was **revised to S6-223060**.

**S6-223060 Pseudo-CR on concluding KI#11**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung, KPN*

(Replaces S6-223024)

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

**S6-222713 Resolving Editor's Notes for solution #16**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to resolve Editor's Notes for solution #16

**Decision:** The document was **revised to S6-222937**.

**S6-222937 Resolving Editor's Notes for solution #16**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: NTT DOCOMO*

(Replaces S6-222713)

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

**S6-222721 EEL service differentiation**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

**Abstract:**

This contribution proposes a new solution to support EEL service differentiation.

**Decision:** The document was **revised to S6-222960**.

**S6-222960 EEL service differentiation**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

(Replaces S6-222721)

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

**S6-222741 Overall evaluation update of sol#16**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

This contribution proposes to update overall evaluation of sol#16.

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

**S6-222893 Overall evaluation update of sol#16**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: China Mobile (Suzhou) Software*

**Discussion:**

Initially reserved as revision of S6-222741.

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

**S6-222742 Update and solution evaluation of sol#16**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-222185)

**Abstract:**

This contribution proposes to update and add solution evaluation of sol#16.

**Decision:** The document was **revised to S6-222895**.

**S6-222895 Update and solution evaluation of sol#16**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-222742)

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

**S6-222755 Handling of UE Mobility pattern**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222480)

**Abstract:**

This contribution proposes a new solution (EEC sharing UE Mobility pattern) to support EEC mobility behaviour in EDGEAPP.

**Decision:** The document was **revised to S6-222921**.

**S6-222921 Handling of UE Mobility pattern**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222755)

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

**S6-222756 Pseudo-CR on solution to KI#13 - Edge enabler layer support for EAS synchronization**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-221876)

**Abstract:**

This pCR provides solution to KI#13 - Edge enabler layer support for EAS synchronization.

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

**S6-222672 Solution 15 update to address EN**

*Type: pCR For: Approval  
 23.700-98 v1.0.1  
 Source: Convida Wireless*

**Abstract:**

This is a proposal to resolve the final EN in Solution #15 by clarifying that registered EEC may provide EAS selection in the EEC registration update.

**Decision:** The document was **revised to S6-222979**.

**S6-222979 Solution 15 update to address EN**

*Type: pCR For: Approval  
 23.700-98 v1.0.1  
 Source: Convida Wireless*

(Replaces S6-222672)

**Decision:** The document was **revised to S6-223061**.

**S6-223061 Solution 15 update to address EN**

*Type: pCR For: Approval  
 23.700-98 v1.0.1  
 Source: Convida Wireless*

(Replaces S6-222979)

**Discussion:**

As per S6-222979 rev 1

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

**S6-222726 Convert EN to NOTE for selected EAS**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

**Abstract:**

This contribution solves remaining ENs in sol#15 and sol#33.

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

**S6-222728 KI#15 solution evaluation**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

**Abstract:**

This contribution provides conclusion for KI#15.

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

**S6-222848 Common EAS requirements**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Qualcomm*

**Abstract:**

This pCR specifies requirements for a common EAS discovery, such that a group of ACs get service from the same EAS.

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

**S6-222849 Consolidating common EAS solutions**

*Type: discussion For: Discussion  
 23.700-98 v..  
 Source: Qualcomm*

**Abstract:**

TR 23.700-98-120 contains 5 solutions for Key issue #17: Discovery of a common EAS.

Specifying all 5 solutions as normative is not practical, and therefore the solutions must be converged to find a way forward for normative. To achieve this goal the present discussion paper provides a starting point in form of a flowchart outlining all 5 solutions.

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

**S6-222863 Exploring KI 17 Common EAS solution commonality**

*Type: discussion For: Discussion  
 23.700-98 v..  
 Source: Apple GmbH*

**Abstract:**

The motivation behind this contribution is to explore possible commonality between the 5 solutions currently proposed for KI#17: Discovery of a common EAS

For each area identified where there is commonality a possible way forward is provided for discussion.

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

**S6-222831 Solution for EEL assist the application layer to determine the common EAS**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for EEL assist the application layer to determine the common EAS

**Decision:** The document was **revised to S6-223017**.

**S6-223017 Solution for EEL assist the application layer to determine the common EAS**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222831)

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

**S6-222646 Pseudo-CR on Update of the evaluation of solution #29**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Apple GmbH*

**Abstract:**

The present contribution suggests an update of the evaluation of solution #29 for Key issue #17: Discovery of a common EAS.

**Decision:** The document was **revised to S6-222873**.

**S6-222873 Pseudo-CR on Update of the evaluation of solution #29**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Apple GmbH*

(Replaces S6-222646)

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

**S6-222671 AC Association aware solution update**

*Type: pCR For: Approval  
 23.700-98 v1.0.1  
 Source: Convida Wireless*

(Replaces S6-222383)

**Abstract:**

The present contribution provides further details for solution #27 (Enabling AC Association Aware services by selecting common EASs).

**Discussion:**

Convida presented the draft S6-222671 rev1 during CC#01.

The contribution was further discussed during CC#7.

**Decision:** The document was **revised to S6-222978**.

**S6-222978 AC Association aware solution update**

*Type: pCR For: Approval  
 23.700-98 v1.0.1  
 Source: Convida Wireless*

(Replaces S6-222671)

**Decision:** The document was **revised to S6-223080**.

**S6-223080 AC Association aware solution update**

*Type: pCR For: Approval  
 23.700-98 v1.0.1  
 Source: Convida Wireless*

(Replaces S6-222978)

**Discussion:**

As per S6-222978 rev 3.

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

**S6-222712 Figure update for discovery of a common EAS**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to update a figure for discovery of a common EAS.

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

**S6-222729 Solve remaining ENs in sol#30**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

**Abstract:**

This contribution solves ENs in solution #30.

**Decision:** The document was **revised to S6-222964**.

**S6-222964 Solve remaining ENs in sol#30**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

(Replaces S6-222729)

**Decision:** The document was **revised to S6-223062**.

**S6-223062 Solve remaining ENs in sol#30**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

(Replaces S6-222964)

**Discussion:**

As per S6-222964 rev 1.

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

**S6-222778 Pseudo-CR on Solution #31 updates**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

**Abstract:**

The contribution proposes to resolve the ENs and also add solution evaluation for Solution#31 – Discover common EAS.

**Decision:** The document was **revised to S6-223023**.

**S6-223023 Pseudo-CR on Solution #31 updates**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222778)

**Decision:** The document was **revised to S6-223079**.

**S6-223079 Pseudo-CR on Solution #31 updates**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-223023)

**Discussion:**

As per S6-223023 rev 3

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

**S6-222833 Solve the EN in solution#31**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solve the EN in solution#31

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

**S6-222861 Solution 29 Minimum required AC Service KPIs**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Apple GmbH*

**Abstract:**

The present contribution suggests enhancement of the AC Group profile IE introduced by Solution#29, which addresses KI#17: Discovery of a common EAS.

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

**S6-222862 Solution 29 EDN configuration information**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Apple GmbH*

**Abstract:**

The present contribution suggests a clarification to the second note of the Service provisioning response regarding he application of ECSP policy to the EAS information provided in that response.

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

**S6-222828 Overall evaluation for common EAS**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Overall evaluation for common EAS

**Decision:** The document was **revised to S6-223014**.

**S6-223014 Overall evaluation for common EAS**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222828)

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

**S6-222842 Pseudo-CR on KI#18 and KI#20 - terminology change**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Qualcomm*

**Abstract:**

Terminology used in description of KI#18, KI#20 and their solutions are confusing. This pCR proposes to fix the terminology.

**Discussion:**

Qualcomm presented the contribution S6-222842 during CC#04.

**Decision:** The document was **revised to S6-222952**.

**S6-222952 Pseudo-CR on KI#18 and KI#20 - terminology change**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Qualcomm*

(Replaces S6-222842)

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

**S6-222843 EAS bundles - open issues**

*Type: discussion For: Discussion  
 23.700-98 v..  
 Source: Qualcomm*

**Abstract:**

The present contribution discusses the following topics:

- Can a bundle be spread across EDNs?

- Do EAS profile need to indicate EAS bundle information?

- Do EASs of a bundle interact with each other?

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

**S6-222822 Solution for KI #18 – EEC selected ACR scenario for linked EAS(s)**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for KI #18 – EEC selected ACR scenario for linked EAS(s)

**Decision:** The document was **revised to S6-223009**.

**S6-223009 Solution for KI #18 – EEC selected ACR scenario for linked EAS(s)**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222822)

**Decision:** The document was **revised to S6-223063**.

**S6-223063 Solution for KI #18 – EEC selected ACR scenario for linked EAS(s)**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-223009)

**Discussion:**

As per S6-223009 rev 2.

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

**S6-222823 Solution for KI #18 – EES determined ACR scenario for linked EAS(s)**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for KI #18 – EES determined ACR scenario for linked EAS(s)

**Decision:** The document was **revised to S6-223010**.

**S6-223010 Solution for KI #18 – EES determined ACR scenario for linked EAS(s)**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222823)

**Decision:** The document was **revised to S6-223064**.

**S6-223064 Solution for KI #18 – EES determined ACR scenario for linked EAS(s)**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-223010)

**Discussion:**

As per S6-223010 rev 2.

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

**S6-222826 Correction to Bundle EAS**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to Bundle EAS

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

**S6-222832 Solution for T-EAS discovery for linked EAS(s) within EHE**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for T-EAS discovery for linked EAS(s) within EHE

**Decision:** The document was **revised to S6-223018**.

**S6-223018 Solution for T-EAS discovery for linked EAS(s) within EHE**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222832)

**Decision:** The document was **revised to S6-223065**.

**S6-223065 Solution for T-EAS discovery for linked EAS(s) within EHE**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-223018)

**Discussion:**

As per S6-223018 rev 1.

Only change is replacing "linked EAS" with "bundled EAS" through out the document.

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

**S6-222844 Support for EAS bundles spread across EDNs**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Qualcomm*

**Abstract:**

This contribution resolves the following EN:

Editor's Note: The solution assumes that the EASs belonging to a bundle is part of the same EDN. Support for EASs spread across EDNs is FFS.

**Decision:** The document was **revised to S6-222953**.

**S6-222953 Support for EAS bundles spread across EDNs**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Qualcomm*

(Replaces S6-222844)

**Decision:** The document was **revised to S6-223066**.

**S6-223066 Support for EAS bundles spread across EDNs**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Qualcomm*

(Replaces S6-222953)

**Discussion:**

As per S6-222953 rev 2.

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

**S6-222725 ACR for EAS federation**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

**Abstract:**

This contribution provides a solution ( ACR for EAS federation) for KI#20.

**Decision:** The document was **revised to S6-222963**.

**S6-222963 ACR for EAS federation**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson*

(Replaces S6-222725)

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

**S6-222735 Federated EAS context management**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222488)

**Abstract:**

This pCR provides solution to KI#20 - Method of supporting federated EAS service

**Decision:** The document was **revised to S6-222932**.

**S6-222932 Federated EAS context management**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222735)

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

**S6-222737 Federated EAS API management**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

**Abstract:**

This pCR provides solution to KI#20 - Method of supporting federated EAS service.

**Decision:** The document was **revised to S6-222939**.

**S6-222939 Federated EAS API management**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

(Replaces S6-222737)

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

**S6-222626 KI #23 New solution for Reliable Edge service**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: IPLOOK*

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

**S6-222733 Reliable Edge service**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson, Samsung*

(Replaces S6-222554)

**Abstract:**

This contribution proposes a new solution for KI#23.

**Decision:** The document was **revised to S6-222968**.

**S6-222968 Reliable Edge service**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson, Samsung*

(Replaces S6-222733)

**Decision:** The document was **revised to S6-223067**.

**S6-223067 Reliable Edge service**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Ericsson, Samsung*

(Replaces S6-222968)

**Discussion:**

As per S6-222968 rev 2.

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

**S6-222673 Analytics enhanced discovery**

*Type: pCR For: Approval  
 23.700-98 v1.0.1  
 Source: Convida Wireless*

**Abstract:**

This contribution provides a solution to Key issue #24: SEAL capability access for EEL support.

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

**S6-222835 EEL utilization of SEAL services deployed in EDN**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for EEL utilization of SEAL services deployed in EDN

**Decision:** The document was **revised to S6-223019**.

**S6-223019 EEL utilization of SEAL services deployed in EDN**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222835)

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

**S6-222774 Key issue #24 conclusion**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution provides the conclusion related to key issue 24 and the respective solution #41.

**Decision:** The document was **revised to S6-222944**.

**S6-222944 Key issue #24 conclusion**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Lenovo Future Communications*

(Replaces S6-222774)

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

**S6-222781 Pseudo-CR on editorial updates**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung, KPN*

**Abstract:**

This pCR proposes to update the placeholders in clause 10 and 11 to be consistent with new key issues and solutions.

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

**S6-222834 Adding SEAL specification reference**

*Type: pCR For: Approval  
 23.700-98 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Adding SEAL specification reference

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

### 9.9 FS\_eUASAPP - Study on enhanced architecture for UAS Applications

**S6-222773 Requirements for C2 direct mode feasibility reporting**

*Type: pCR For: Approval  
 23.700-55 v1.0.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution provides the architecture requirements for C2 direct mode feasibility reporting solution.

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

**S6-222865 New Solution: Support for DAA**

*Type: pCR For: Approval  
 23.700-55 v1.0.0  
 Source: InterDigital*

(Replaces S6-222362)

**Abstract:**

UAVs has functionality within the UAE layer to support the application for detect and avoid of potential interfering objects.

The present contribution proposes adding a new solution for the UAE-layer support of DAA in 3GPP TR 23.700-55.

**Discussion:**

The draft S6-222865 rev1 was discussed during CC#9.

**Decision:** The document was **revised to S6-222884**.

**S6-222884 New Solution: Support for DAA**

*Type: pCR For: Approval  
 23.700-55 v1.0.0  
 Source: InterDigital*

(Replaces S6-222865)

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

### 9.10 FS\_SEALDD - Study on SEAL data delivery enabler for vertical applications

**S6-222666 Resolve ENs for SEALDD Solution 11**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Convida Wireless*

**Abstract:**

The present contribution proposes resolutions to the ENs in solution #11.

**Decision:** The document was **revised to S6-222970**.

**S6-222970 Resolve ENs for SEALDD Solution 11**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Convida Wireless*

(Replaces S6-222666)

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

**S6-222667 KI#13 SEALDD performance guarantee with UP modification**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Convida Wireless*

**Abstract:**

This contribution proposes a new solution to address Key Issue #3 in support of data transmission quality measurement guaranteed performance.

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

**S6-222668 KI#13 SEALDD performance guarantee with redundant transport**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Convida Wireless*

(Replaces S6-222374)

**Abstract:**

This contribution proposes a new solution to address Key Issue #3 to support data transmission quality measurement and guaranteed performance parameters.

**Decision:** The document was **revised to S6-222971**.

**S6-222971 KI#13 SEALDD performance guarantee with redundant transport**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Convida Wireless*

(Replaces S6-222668)

**Decision:** The document was **revised to S6-223068**.

**S6-223068 KI#13 SEALDD performance guarantee with redundant transport**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Convida Wireless*

(Replaces S6-222971)

**Discussion:**

As per S6-222971 rev 1.

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

**S6-222730 New solution for KI#8**

*Type: pCR For: Approval  
 23.700-34 v0.7.0  
 Source: Ericsson*

**Abstract:**

This pCR provides a new solution for KI#8.

**Decision:** The document was **revised to S6-222965**.

**S6-222965 New solution for KI#8**

*Type: pCR For: Approval  
 23.700-34 v0.7.0  
 Source: Ericsson*

(Replaces S6-222730)

**Decision:** The document was **revised to S6-223069**.

**S6-223069 New solution for KI#8**

*Type: pCR For: Approval  
 23.700-34 v0.7.0  
 Source: Ericsson*

(Replaces S6-222965)

**Discussion:**

As per S6-222965 rev 1.

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

**S6-222731 Solve EN in sol#10**

*Type: pCR For: Approval  
 23.700-34 v0.7.0  
 Source: Ericsson*

**Abstract:**

This pCR solves EN in solution #10

**Decision:** The document was **revised to S6-222966**.

**S6-222966 Solve EN in sol#10**

*Type: pCR For: Approval  
 23.700-34 v0.7.0  
 Source: Ericsson*

(Replaces S6-222731)

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

**S6-222811 Clarification about the role of SEALDD and way forward**

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

**Abstract:**

Discussion on Clarification about the role of SEALDD and way forward

**Discussion:**

The discussion paper was discussed during the CC#7.

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

**S6-222812 Deployment suggestion for SEALDD**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Deployment suggestion for SEALDD

**Decision:** The document was **revised to S6-223001**.

**S6-223001 Deployment suggestion for SEALDD**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222812)

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

**S6-222813 Overall evaluation and conclusion of KI #4**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222517)

**Abstract:**

Proposal for Overall evaluation and conclusion of KI #4

**Decision:** The document was **revised to S6-223002**.

**S6-223002 Overall evaluation and conclusion of KI #4**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222813)

**Decision:** The document was **revised to S6-223070**.

**S6-223070 Overall evaluation and conclusion of KI #4**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-223002)

**Discussion:**

As per S6-223002 rev 1.

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

**S6-222814 Overall evaluation and conclusion of KI #5**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Overall evaluation and conclusion of KI #5

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

**S6-222815 Solution to SEALDD enabled traffic control for different VAL users**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution to SEALDD enabled traffic control for different VAL users

**Decision:** The document was **revised to S6-223003**.

**S6-223003 Solution to SEALDD enabled traffic control for different VAL users**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222815)

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

**S6-222816 Update to solution #6 to remove the ENs**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Update to solution #6 to remove the ENs

**Decision:** The document was **revised to S6-223004**.

**S6-223004 Update to solution #6 to remove the ENs**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222816)

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

**S6-222817 Solution to KI #3: SEALDD enabled N6 Tunnel establishment**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution to KI #3: SEALDD enabled N6 Tunnel establishment

**Decision:** The document was **revised to S6-223005**.

**S6-223005 Solution to KI #3: SEALDD enabled N6 Tunnel establishment**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222817)

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

**S6-222818 Solution to KI #5: SEALDD enabled application context transfer**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222515)

**Abstract:**

Proposal for Solution to KI #5: SEALDD enabled application context transfer

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

**S6-222819 Update Solution #9**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Update Solution #9

**Decision:** The document was **revised to S6-223006**.

**S6-223006 Update Solution #9**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222819)

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

**S6-222857 Redundant path establishment with dual UE – dual UP**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Ericsson Telecomunicazioni SpA*

**Abstract:**

This pCR proposes a solution with configuration and procedure description for redundant path establishment with dual UE – dual UP paths and corresponds to ”4.1 Key issue #1: Support for E2E redundant transport” in TR 23.700-34 [1].

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

**S6-222869 Discussion about SEALDD and NRM**

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

**Discussion:**

Huawei presented the S6-222869 during CC#02.

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

**S6-222983 Redundant path establishment with dual UE – dual UP**

*Type: pCR For: Approval  
 23.700-34 v1.0.0  
 Source: Ericsson France S.A.S*

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

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

**S6-222650 Correction to 6.2.1.1**

*Type: pCR For: Approval  
 23.700-64 v1.2.0  
 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Correction to clause 6.2.1.1.

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

**S6-222837 Solution to KI#5**

*Type: pCR For: Approval  
 23.700-64 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution to KI#5

**Decision:** The document was **revised to S6-223021**.

**S6-223021 Solution to KI#5**

*Type: pCR For: Approval  
 23.700-64 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222837)

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

**S6-222838 Updates to Overall evaluation and conclusion for KI#5**

*Type: pCR For: Approval  
 23.700-64 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Updates to Overall evaluation and conclusion for KI#5

**Decision:** The document was **revised to S6-223022**.

**S6-223022 Updates to Overall evaluation and conclusion for KI#5**

*Type: pCR For: Approval  
 23.700-64 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-222838)

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

**S6-222839 Editorial changes**

*Type: pCR For: Approval  
 23.700-64 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Editorial changes

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

**S6-222840 Update to architectural requirements**

*Type: pCR For: Approval  
 23.700-64 v1.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Update to architectural requirements

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

### 9.12 FS\_ADAES - Study on Application Data Analytics Enablement Service

**S6-222775 missing evaluations and EN resolution**

*Type: CR For: Agreement  
 23.700-36 v18.0.0 CR-0001 Cat: B (Rel-18)  
  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution provides the missing solution evaluations and resolve a remaining EN

**Decision:** The document was **revised to S6-223071**.

**S6-223071 missing evaluations and EN resolution**

*Type: CR For: Agreement  
 23.700-36 v18.0.0 CR-0001 rev 1 Cat: B (Rel-18)  
  
 Source: Lenovo Future Communications*

(Replaces S6-222775)

**Discussion:**

As per S6-222775 rev 1.

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

## 10 Future work / New WIDs (including related contributions)

**S6-222642 New WID on 5G-enabled fused location service capability exposure**

*Type: WID new For: Approval  
 Source: CATT*

**Abstract:**

The present contribution proposes a New WID on 5G-enabled fused location service capability exposure.

**Discussion:**

CATT presented, during the opening call, the document S6-222642.

As per S6-222642 rev 2.

**Decision:** The document was **revised to S6-223072**.

**S6-223072 New WID on 5G-enabled fused location service capability exposure**

*Type: WID new For: Approval  
 Source: CATT*

(Replaces S6-222642)

**Discussion:**

As per S6-222642 rev 2.

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

**S6-222766 New WID on Mission Critical ad hoc group Communications**

*Type: WID new For: (not specified)  
 Source: Samsung*

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

**S6-222777 New WID on Mission Critical ad hoc group Communications**

*Type: WID new For: (not specified)  
 Source: Samsung*

**Abstract:**

The present contribution proposes a new WID on Mission Critical ad hoc group Communications.

**Discussion:**

Samsung presented, during the opening call, the document S6-222777.

**Decision:** The document was **revised to S6-222915**.

**S6-222915 New WID on Mission Critical ad hoc group Communications**

*Type: WID new For: -  
 Source: Samsung*

(Replaces S6-222777)

**Decision:** The document was **revised to S6-223073**.

**S6-223073 New WID on Mission Critical ad hoc group Communications**

*Type: WID new For: -  
 Source: Samsung*

(Replaces S6-222915)

**Discussion:**

As per S6-222915 rev 1.

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

**S6-222787 Revised WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2**

*Type: WID revised For: Approval  
 Source: Samsung*

**Abstract:**

Revised WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2.

**Discussion:**

Samsung presented, during the opening call, the document S6-222787.

**Decision:** The document was **revised to S6-223025**.

**S6-223025 Revised WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2**

*Type: WID revised For: Approval  
 Source: Samsung*

(Replaces S6-222787)

**Decision:** The document was **revised to S6-223074**.

**S6-223074 Revised WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2**

*Type: WID revised For: Approval  
 Source: Samsung*

(Replaces S6-223025)

**Discussion:**

As per S6-223025 rev 2.

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

## 11 Work Plan review

**S6-222765 Presentation of TR 23.700-76 to TSG SA**

*Type: TS or TR cover For: (not specified)  
 23.700-76 v1.2.0  
 Source: Samsung*

**Abstract:**

Presentation of TR 23.700-76 to TSG SA.

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

**S6-222784 Presentation of TR 23700-98\_v130 for Approval**

*Type: TS or TR cover For: Approval  
 23.700-98 v1.2.0  
 Source: Samsung*

**Abstract:**

Presentation of TR 23700-98 for Approval.

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

**S6-222785 SA#97 Plenary Report**

*Type: report For: Information  
 Source: SA6 Chair*

**Abstract:**

SA6 Chair report of the SA#97 Plenary.

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

**S6-222786 Use Cases and Requirements for SA6**

*Type: other For: Information  
 Source: Qualcomm Incorporated*

**Abstract:**

This version of the presentation was created during the informal conference call on Working Methods.

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

**S6-222788 Presentation of TR 23.700-76 to TSG SA**

*Type: TS or TR cover For: (not specified)  
 23.700-76 v1.2.0  
 Source: Samsung*

**Abstract:**

Presentation of Report to TSG SA:

TR 23.700-76.

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

**S6-222789 FS\_eEDGEAPP Workplan**

*Type: other For: Discussion  
 23.700-98 v..  
 Source: Samsung*

**Abstract:**

FS\_eEDGEAPP Workplan.

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

**S6-222616 SA6#51-e Work Plan Review**

*Type: Work Plan For: Discussion  
 Source: SA6 Chair*

**Abstract:**

SA6#51-e Work Plan Review please see

<https://www.3gpp.org/ftp/tsg_sa/WG6_MissionCritical/TSGS6_051-e/docs/S6-222616.zip>

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

## 12 Future meetings

Please see Annec I.

## 13 AOB

## 14 Close of the meeting

Report prepared by: CR0320r1

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S6-222611 | SA6 Meeting 51-e Agenda | SA6 Chair | approved |  |  |
| S6-222612 | SA6 Meeting 50-e Report | MCC | approved |  |  |
| S6-222613 | SA6 Meeting #51-e - Agenda with Tdocs allocation after submission deadline | SA6 Chair | approved |  |  |
| S6-222614 | SA6 Meeting #51-e - Agenda with Tdocs allocation at start of the meeting | SA6 Chair | approved |  |  |
| S6-222615 | SA6 Meeting #51-e - Chair's notes at end of the meeting | SA6 Chair | noted |  |  |
| S6-222616 | SA6#51-e Work Plan Review | SA6 Chair | noted |  |  |
| S6-222617 | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge | SA2 | postponed |  |  |
| S6-222618 | LS reply to 3GPP SA6 on Clarification of Edge Node Sharing | GSMA OPG | postponed |  |  |
| S6-222619 | Reply LS on TSN scenarios | SA2 | noted |  |  |
| S6-222620 | LS Out on Support for managing slice for trusted third-party owned application | SA2 | noted |  |  |
| S6-222621 | LS on N5 clarification for MBS usage | SA2 | noted |  |  |
| S6-222622 | Reply LS on 5MBS User Services | CT3 | noted |  |  |
| S6-222623 | Reply LS on Support for managing slice for trusted third-party owned application | SA1 | noted |  |  |
| S6-222624 | Solution on group membership update by authorized user from a partner MC system | Netherlands Police | revised |  | S6-222625 |
| S6-222625 | Solution on group membership update by authorized user from a partner MC system | Netherlands Police | revised | S6-222624 | S6-222874 |
| S6-222626 | KI #23 New solution for Reliable Edge service | IPLOOK | noted |  |  |
| S6-222627 | Requirements for support for multi-USS deployments | InterDigital | revised |  | S6-222880 |
| S6-222628 | LMR-3GPP Location Interworking | FirstNet | postponed |  |  |
| S6-222629 | pCR on functional architecture | BDBOS, Nokia, Nokia Shanghai Bell, A.S.T.R.I.D., Netherland’s Police, MINISTERE DE L'INTERIEUR | revised | S6-222496 | S6-222923 |
| S6-222630 | Solution on user authorization | BDBOS | revised | S6-222083 | S6-222982 |
| S6-222631 | LS reply to GSMA OPAG on E/WBI | ETSI ISG MEC | postponed |  |  |
| S6-222632 | LS on Support PIN application architecture and interaction | Vivo | revised |  | S6-222913 |
| S6-222633 | Clarifications on usage of EDGE in Annex A | InterDigital | revised |  | S6-222879 |
| S6-222634 | Removal of normative text in an informative annex | InterDigital | agreed |  |  |
| S6-222635 | Pseudo-CR on Solution#6 Update | CATT | revised |  | S6-222927 |
| S6-222636 | Pseudo-CR to add new Clause 7.0 | CATT | approved |  |  |
| S6-222637 | Pseudo-CR for removing the clause 6 | CATT | approved |  |  |
| S6-222638 | Pseudo-CR on update Architectural requirements | CATT | revised |  | S6-222928 |
| S6-222639 | Pseudo-CR on update the Scope | CATT | approved |  |  |
| S6-222640 | Pseudo-CR on update for overall evaluation | CATT | revised |  | S6-222929 |
| S6-222641 | Pseudo-CR on update for Conclusion | CATT | revised |  | S6-222930 |
| S6-222642 | New WID on 5G-enabled fused location service capability exposure | CATT | revised |  | S6-223072 |
| S6-222643 | Solution on request group ID | BDBOS | revised |  | S6-222956 |
| S6-222644 | pCR Solution on exchange of user configuration | BDBOS | revised | S6-222118 | S6-222875 |
| S6-222645 | Additions to functional entities on support for multi-USS deployments | InterDigital | revised |  | S6-222881 |
| S6-222646 | Pseudo-CR on Update of the evaluation of solution #29 | Apple GmbH | revised |  | S6-222873 |
| S6-222647 | FS\_eEDGEAPP Key Issue #10 Overall Evaluation Update and Conclusion | InterDigital, Samsung, Huawei | revised | S6-222348 | S6-222885 |
| S6-222648 | Pseudo-CR on KI#9 Overall evaluation | InterDigital | merged | S6-222347 | S6-222820 |
| S6-222649 | ACR scenario combination | InterDigital | revised |  | S6-222886 |
| S6-222650 | Correction to 6.2.1.1 | AT&T GNS Belgium SPRL | approved |  |  |
| S6-222651 | General overview of PIN and PIN lifecycle | vivo | approved |  |  |
| S6-222652 | Evaluation and conclusion of PIN create | vivo | revised |  | S6-222904 |
| S6-222653 | Evaluation and conclusion of PIN delete | vivo | revised |  | S6-222905 |
| S6-222654 | Evaluation and conclusion of PIN server discovery | vivo | revised |  | S6-222906 |
| S6-222655 | Evaluation and conclusion of KI#2 for PINE communication via 5GS | vivo | revised |  | S6-222907 |
| S6-222656 | Evaluation and conclusion of PEMC/PEGC/PINE registration | vivo | revised |  | S6-222908 |
| S6-222657 | Evaluation of Solution 10: Service switch internal PIN | vivo | revised |  | S6-222909 |
| S6-222658 | New solution for Service continuity in PIN | vivo | revised |  | S6-222910 |
| S6-222659 | Solution update for Access control information in PEGC | vivo | revised |  | S6-222911 |
| S6-222660 | Solution update for PIN server discovery | vivo | revised |  | S6-222912 |
| S6-222661 | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network | Intel Technology India Pvt Ltd | postponed |  |  |
| S6-222662 | pCR for TR 23.958 Introduction | Intel Technology India Pvt Ltd | approved |  |  |
| S6-222663 | Clarification of use of QCI-69 bearer for HTTP-1 reference point | Sepura Ltd, Nokia, Nokia Shanghai Bell | revised |  | S6-222977 |
| S6-222664 | Addition of multi-USS capabilities to UAE layer registration | InterDigital | revised |  | S6-222882 |
| S6-222665 | Addition of procedures for multi-USS configuration and support at change of USS | InterDigital | revised |  | S6-222883 |
| S6-222666 | Resolve ENs for SEALDD Solution 11 | Convida Wireless | revised |  | S6-222970 |
| S6-222667 | KI#13 SEALDD performance guarantee with UP modification | Convida Wireless | noted |  |  |
| S6-222668 | KI#13 SEALDD performance guarantee with redundant transport | Convida Wireless | revised | S6-222374 | S6-222971 |
| S6-222669 | Update 7.3.2.3.7 local PEMC failure | Convida Wireless | revised |  | S6-222972 |
| S6-222670 | PIN management with multiple PEGCs | Convida Wireless | revised |  | S6-222973 |
| S6-222671 | AC Association aware solution update | Convida Wireless | revised | S6-222383 | S6-222978 |
| S6-222672 | Solution 15 update to address EN | Convida Wireless | revised |  | S6-222979 |
| S6-222673 | Analytics enhanced discovery | Convida Wireless | noted |  |  |
| S6-222674 | Implementation of TR23.700-98 solution for KI#8 | Convida Wireless | revised |  | S6-222980 |
| S6-222675 | Conditional user consent use case | Convida Wireless | noted | S6-222386 |  |
| S6-222676 | Conditional user consent enablement | Convida Wireless | noted |  |  |
| S6-222677 | Solution #4 update and eval | Convida Wireless | revised |  | S6-222974 |
| S6-222678 | TR 23.700-97 editorial updates | Convida Wireless | revised |  | S6-222975 |
| S6-222679 | LS on network parameters configuration for IoT Platforms | Convida Wireless | revised |  | S6-222976 |
| S6-222680 | Coordination between Edge services and network slices | Convida Wireless | noted |  | - |
| S6-222681 | UE registration | ZTE Corporation. | revised |  | S6-222890 |
| S6-222682 | Application specific server registration | ZTE Corporation. | revised |  | S6-222892 |
| S6-222683 | Support for TSC services | ZTE Corporation. | revised |  | S6-222894 |
| S6-222684 | Support for MSGin5G services | ZTE Corporation. | revised |  | S6-222896 |
| S6-222685 | Support for OT integration | ZTE Corporation. | revised |  | S6-222898 |
| S6-222686 | Evaluation and conclusion of PIN discovery | vivo | revised |  | S6-222914 |
| S6-222687 | Editorial correction in clause 11.2.3 | Samsung | revised |  | S6-222887 |
| S6-222688 | Remove EN on Supported PLMN ID in Sol#13 | Samsung | approved |  |  |
| S6-222689 | Update solution #13 | Samsung | revised | S6-222076 | S6-222888 |
| S6-222690 | Architecture enhancements evaluation and conclusion for roaming UEs | Samsung | revised |  | S6-222918 |
| S6-222691 | ECS information configured by edge-aware AC | Samsung | agreed |  |  |
| S6-222692 | Remove the EN about Application ID in clause 8.4.2 | Huawei, HiSilicon | agreed |  |  |
| S6-222693 | Add the element of Application ID to the delivery status report | Huawei, HiSilicon | postponed |  |  |
| S6-222694 | bulk registration of Non-MSGin5G UEs | China Mobile Com. Corporation | revised |  | S6-222925 |
| S6-222695 | bulk de-registration of Non-MSGin5G UEs | China Mobile Com. Corporation | revised |  | S6-222926 |
| S6-222696 | MSGin5G UE bulk de-registration over MSGin5G-6 reference point | China Mobile Com. Corporation | revised |  | S6-222931 |
| S6-222697 | Message Aggregation used in Group messaging and Message delivery based on Messaging Topic | China Mobile Com. Corporation | revised |  | S6-222933 |
| S6-222698 | Message Aggregation used in Broadcast messaging | China Mobile Com. Corporation | merged |  | S6-222697 |
| S6-222699 | remove EN in clause 8.3.1 | China Mobile Com. Corporation | agreed |  |  |
| S6-222700 | terms alignment | China Mobile Com. Corporation | agreed |  |  |
| S6-222701 | Addition of prediction expiration time IE and ACR information procedure | Huawei, HiSilicon | revised |  | S6-222949 |
| S6-222702 | Conclusion of KI#5 | Huawei, HiSilicon | revised |  | S6-222950 |
| S6-222703 | Conclusion of KI#6 and KI#10 | Huawei, HiSilicon | revised |  | S6-222951 |
| S6-222704 | Resolving the EN in Solution 4 | Huawei, HiSilicon | merged | S6-222413 | S6-222825 |
| S6-222705 | Resolving the EN in Solution 5 | Huawei, HiSilicon | merged | S6-222414 | S6-222825 |
| S6-222706 | Clarification of CAPIF-8 | NTT DOCOMO | postponed |  |  |
| S6-222707 | Resolving an Editor's Note about the location of the Authorization Function | NTT DOCOMO | postponed |  |  |
| S6-222708 | Limitation of the API provider for Rel-18 SNAAPP | NTT DOCOMO | revised |  | S6-222934 |
| S6-222709 | New key issue on granularity of authorization scope | NTT DOCOMO | revised |  | S6-222935 |
| S6-222710 | New solution for granularity of authorization scope | NTT DOCOMO | postponed |  |  |
| S6-222711 | LS on application-level authorization scope for northbound API invocation | NTT DOCOMO | revised |  | S6-222936 |
| S6-222712 | Figure update for discovery of a common EAS | NTT DOCOMO | approved |  |  |
| S6-222713 | Resolving Editor's Notes for solution #16 | NTT DOCOMO | revised |  | S6-222937 |
| S6-222714 | Re-use of CAPIF by ETSI MEC | ETSI ISG MEC | replied to |  |  |
| S6-222715 | KI#5-Conclusion | Intel Technology India Pvt Ltd | merged |  | S6-222702 |
| S6-222716 | CAPIF extensions for use by other SDOs | Nokia, Nokia Shanghai Bell, Apple, Huawei | noted |  |  |
| S6-222717 | Updating migration overview | Ericsson | revised |  | S6-222947 |
| S6-222718 | Private call towards a migrated MC user | Ericsson | revised |  | S6-222948 |
| S6-222719 | Pseudo-CR on solution to key issue#11 considering AC Association in case of application with multi components | IIT Delhi, IIT Bhilai, Reliance Jio | withdrawn |  |  |
| S6-222720 | EAS selection and instantiation in EES | Ericsson | revised |  | S6-222958 |
| S6-222721 | EEL service differentiation | Ericsson | revised |  | S6-222960 |
| S6-222722 | Correct detection entity in EES executed ACR | Ericsson | agreed |  |  |
| S6-222723 | Support more traffic filters | Ericsson | revised |  | S6-222961 |
| S6-222724 | Support simu-EAS connectivity in ACR | Ericsson | revised |  | S6-222962 |
| S6-222725 | ACR for EAS federation | Ericsson | revised |  | S6-222963 |
| S6-222726 | Convert EN to NOTE for selected EAS | Ericsson | merged |  | S6-222979 |
| S6-222727 | KI#11 conclusion | Ericsson | merged |  | S6-222729 |
| S6-222728 | KI#15 solution evaluation | Ericsson | approved |  |  |
| S6-222729 | Solve remaining ENs in sol#30 | Ericsson | revised |  | S6-222964 |
| S6-222730 | New solution for KI#8 | Ericsson | revised |  | S6-222965 |
| S6-222731 | Solve EN in sol#10 | Ericsson | revised |  | S6-222966 |
| S6-222732 | Federated EAS discovery | Ericsson | revised | S6-222550 | S6-222967 |
| S6-222733 | Reliable Edge service | Ericsson, Samsung | revised | S6-222554 | S6-222968 |
| S6-222734 | LS on related EAS | Ericsson | revised |  | S6-222969 |
| S6-222735 | Federated EAS context management | Samsung | revised | S6-222488 | S6-222932 |
| S6-222736 | Solution for KI#22 Invoke non-roaming UE location | Samsung | revised |  | S6-222866 |
| S6-222737 | Federated EAS API management | Samsung | revised |  | S6-222939 |
| S6-222738 | update the NSCE functional | China Mobile (Suzhou) Software | revised |  | S6-222889 |
| S6-222739 | Correction of clause 4 | China Mobile (Suzhou) Software | agreed |  | - |
| S6-222740 | ACR request trigger timing | KPN N.V. | agreed |  |  |
| S6-222741 | Overall evaluation update of sol#16 | China Mobile (Suzhou) Software | noted |  | - |
| S6-222742 | Update and solution evaluation of sol#16 | China Mobile (Suzhou) Software | revised | S6-222185 | S6-222895 |
| S6-222743 | Network slice optimization based on AF policy | China Mobile (Suzhou) Software | revised |  | S6-222897 |
| S6-222744 | update of overview and Application architecture | China Mobile (Suzhou) Software | revised |  | S6-222899 |
| S6-222745 | Pseudo-CR on number of active PEMC in a PIN | Samsung | noted |  |  |
| S6-222746 | Pseudo-CR on modification of PIN internally | Samsung | approved |  |  |
| S6-222747 | Pseudo CR on PIN profile and PIN dynamic profile | Samsung | approved |  |  |
| S6-222748 | Pseudo-CR - Solution evaluation for PIN profile | Samsung | revised |  | S6-222916 |
| S6-222749 | Pseduo CR on PIN elements addition while creating PIN | Samsung | revised |  | S6-222959 |
| S6-222750 | Pseudo-CR on activation and deactivation of PIN | Samsung | noted |  |  |
| S6-222751 | Pseudo CR on resolving Editors notes | Samsung | approved |  |  |
| S6-222752 | Reply LS on Clarification of Edge Node Sharing | Samsung | noted |  |  |
| S6-222753 | Edge Node Sharing and Federation (Merged Solution) | Samsung | revised |  | S6-222919 |
| S6-222754 | Solution for Edge Node Sharing | Samsung | revised | S6-222481 | S6-222920 |
| S6-222755 | Handling of UE Mobility pattern | Samsung | revised | S6-222480 | S6-222921 |
| S6-222756 | Pseudo-CR on solution to KI#13 - Edge enabler layer support for EAS synchronization | Samsung | postponed | S6-221876 |  |
| S6-222757 | Correction for EEC registration expiration time | Samsung | postponed | S6-222052 |  |
| S6-222758 | SEAL Registrar service | Samsung | revised | S6-222482 | S6-222922 |
| S6-222759 | pCR TS 23.435 NSCALE\_Add slice adaption requirements | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-222901 |
| S6-222760 | pCR TS 23.435 NSCALE\_Add information flows and APIs of network slice adaptation | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-222902 |
| S6-222761 | Pseudo-CR on overall evaluation of Key issue #1 | Samsung | revised |  | S6-222917 |
| S6-222762 | TS 23.434 Enhance the APIs of the network slice adaptation | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-222903 |
| S6-222763 | Pseudo-CR on adding description to Conclusions clause | Samsung | approved |  |  |
| S6-222764 | Pseudo-CR on editorial correction of NSCE registration solution | HUAWEI TECHNOLOGIES Co. Ltd. | approved |  |  |
| S6-222765 | Presentation of TR 23.700-76 to TSG SA | Samsung | withdrawn |  |  |
| S6-222766 | New WID on Mission Critical ad hoc group Communications | Samsung | withdrawn |  |  |
| S6-222767 | Updates to architectural assumptions for EAS Service APIs enablement | ETRI, Uangel | revised |  | S6-222878 |
| S6-222768 | New procedure and information flows for EAS Service APIs enablement | ETRI, Uangel | noted |  |  |
| S6-222769 | Skeleton for TS 23.436 | Lenovo Future Communications | revised |  | S6-222940 |
| S6-222770 | Scope and Introduction for TS 23.436 | Lenovo Future Communications | revised |  | S6-222941 |
| S6-222771 | Generic architecture requirements | Lenovo Future Communications | revised |  | S6-222942 |
| S6-222772 | annex on deployment scenarios | Lenovo Future Communications | revised |  | S6-222943 |
| S6-222773 | Requirements for C2 direct mode feasibility reporting | Lenovo Future Communications | approved |  |  |
| S6-222774 | Key issue #24 conclusion | Lenovo Future Communications | revised |  | S6-222944 |
| S6-222775 | missing evaluations and EN resolution | Lenovo Future Communications | revised |  | S6-223071 |
| S6-222776 | Discovery of management service exposure | Lenovo Future Communications | revised |  | S6-222945 |
| S6-222777 | New WID on Mission Critical ad hoc group Communications | Samsung | revised |  | S6-222915 |
| S6-222778 | Pseudo-CR on Solution #31 updates | Samsung | revised |  | S6-223023 |
| S6-222779 | Pseudo-CR on concluding KI#11 | Samsung, KPN | approved |  | S6-223024 |
| S6-222780 | Pseudo-CR on Solution#25 update for CAS initiated ACR procedure | KPN N.V., Qualcomm, Vivo, Samsung | revised |  | S6-222957 |
| S6-222781 | Pseudo-CR on editorial updates | Samsung, KPN | approved |  |  |
| S6-222782 | VAL Service Area discussion | Samsung | noted |  |  |
| S6-222783 | VAL service area identifier usage | Samsung | postponed |  |  |
| S6-222784 | Presentation of TR 23700-98\_v130 for Approval | Samsung | postponed |  |  |
| S6-222785 | SA#97 Plenary Report | SA6 Chair | noted |  |  |
| S6-222786 | Use Cases and Requirements for SA6 | Qualcomm Incorporated | noted |  |  |
| S6-222787 | Revised WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2 | Samsung | revised |  | S6-223025 |
| S6-222788 | Presentation of TR 23.700-76 to TSG SA | Samsung | approved |  |  |
| S6-222789 | FS\_eEDGEAPP Workplan | Samsung | noted |  |  |
| S6-222790 | Proposed skeleton for TS 23.433 on SEALDD | Huawei, Hisilicon | approved |  |  |
| S6-222791 | Scope and Introduction for SEALDD TS | Huawei, Hisilicon | revised |  | S6-222984 |
| S6-222792 | Architecture for SEALDD | Huawei, Hisilicon | revised |  | S6-222985 |
| S6-222793 | Business relationships of SEALDD | Huawei, Hisilicon | revised |  | S6-222986 |
| S6-222794 | SEALDD enabled E2E redundant transmission | Huawei, Hisilicon | revised |  | S6-222987 |
| S6-222795 | SEALDD regular connection establishment | Huawei, Hisilicon | revised |  | S6-222988 |
| S6-222796 | SEALDD and MSGin5G | Huawei, Hisilicon | revised |  | S6-222989 |
| S6-222797 | SEALDD Server Discovery and Selection | Huawei, Hisilicon | revised |  | S6-222990 |
| S6-222798 | Update to SEAL architecture to include SEALDD | Huawei, Hisilicon | agreed |  |  |
| S6-222799 | EES determines the selected ACR scenario | Huawei, Hisilicon | revised |  | S6-222991 |
| S6-222800 | EES monitoring the UE mobility for service continuity planning | Huawei, Hisilicon | revised |  | S6-222992 |
| S6-222801 | Traffic influence for initial EAS discovery | Huawei, Hisilicon | revised |  | S6-222993 |
| S6-222802 | Integration with OPC UA | Huawei, Hisilicon | postponed |  |  |
| S6-222803 | N5 descriptions update for MBS | Huawei, Hisilicon | revised |  | S6-222994 |
| S6-222804 | Definition of MBS session announcement | Huawei, Hisilicon | revised |  | S6-222995 |
| S6-222805 | Information flows for MBS procedures | Huawei, Hisilicon | revised |  | S6-222996 |
| S6-222806 | Support of redundant transmission for URLLC | Huawei, Hisilicon | noted |  |  |
| S6-222807 | Updating MBS with dynamic PCC | Huawei, Hisilicon | revised |  | S6-222997 |
| S6-222808 | NRM coordination for redundant PDU Session establishment | Huawei, Hisilicon | revised |  | S6-222998 |
| S6-222809 | V2X application layer architecture support for edge deployments | Huawei, Hisilicon | revised |  | S6-222999 |
| S6-222810 | Enhancement to network monitoring | Huawei, Hisilicon | revised |  | S6-223000 |
| S6-222811 | Clarification about the role of SEALDD and way forward | Huawei, Hisilicon | noted |  |  |
| S6-222812 | Deployment suggestion for SEALDD | Huawei, Hisilicon | revised |  | S6-223001 |
| S6-222813 | Overall evaluation and conclusion of KI #4 | Huawei, Hisilicon | revised | S6-222517 | S6-223002 |
| S6-222814 | Overall evaluation and conclusion of KI #5 | Huawei, Hisilicon | approved |  |  |
| S6-222815 | Solution to SEALDD enabled traffic control for different VAL users | Huawei, Hisilicon | revised |  | S6-223003 |
| S6-222816 | Update to solution #6 to remove the Ens | Huawei, Hisilicon | revised |  | S6-223004 |
| S6-222817 | Solution to KI #3: SEALDD enabled N6 Tunnel establishment | Huawei, Hisilicon | revised |  | S6-223005 |
| S6-222818 | Solution to KI #5: SEALDD enabled application context transfer | Huawei, Hisilicon | approved | S6-222515 |  |
| S6-222819 | Update Solution #9 | Huawei, Hisilicon | revised |  | S6-223006 |
| S6-222820 | Evaluation and conclusion for KI #9 | Huawei, Hisilicon | revised |  | S6-223007 |
| S6-222821 | Resolve EN in Solution #40 | Huawei, Hisilicon | revised |  | S6-223008 |
| S6-222822 | Solution for KI #18 – EEC selected ACR scenario for linked EAS(s) | Huawei, Hisilicon | revised |  | S6-223009 |
| S6-222823 | Solution for KI #18 – EES determined ACR scenario for linked EAS(s) | Huawei, Hisilicon | revised |  | S6-223010 |
| S6-222824 | Update Solution #33 | Huawei, Hisilicon | revised |  | S6-223011 |
| S6-222825 | Adding working assumption on solution#4 and solution#5 | Huawei, Hisilicon | revised |  | S6-223012 |
| S6-222826 | Correction to Bundle EAS | Huawei, Hisilicon | noted |  |  |
| S6-222827 | Federation and roaming scenario and solution | Huawei, Hisilicon | revised |  | S6-223013 |
| S6-222828 | Overall evaluation for common EAS | Huawei, Hisilicon | revised |  | S6-223014 |
| S6-222829 | Solution for the CAS initiated ACR procedure | Huawei, Hisilicon | revised |  | S6-223015 |
| S6-222830 | Solution for EAS discovery in Edge Node sharing scenario | Huawei, Hisilicon | revised |  | S6-223016 |
| S6-222831 | Solution for EEL assist the application layer to determine the common EAS | Huawei, Hisilicon | revised |  | S6-223017 |
| S6-222832 | Solution for T-EAS discovery for linked EAS(s) within EHE | Huawei, Hisilicon | revised |  | S6-223018 |
| S6-222833 | Solve the EN in solution#31 | Huawei, Hisilicon | postponed |  |  |
| S6-222834 | Adding SEAL specification reference | Huawei, Hisilicon | approved |  |  |
| S6-222835 | EEL utilization of SEAL services deployed in EDN | Huawei, Hisilicon | revised |  | S6-223019 |
| S6-222836 | Modification on architecture requirement on ECS discovery | Huawei, Hisilicon | revised |  | S6-223020 |
| S6-222837 | Solution to KI#5 | Huawei, Hisilicon | revised |  | S6-223021 |
| S6-222838 | Updates to Overall evaluation and conclusion for KI#5 | Huawei, Hisilicon | revised |  | S6-223022 |
| S6-222839 | Editorial changes | Huawei, Hisilicon | approved |  |  |
| S6-222840 | Update to architectural requirements | Huawei, Hisilicon | approved |  |  |
| S6-222841 | Description for the terms used in the location management procedures | Samsung Electronics Romania | agreed | S6-222466 |  |
| S6-222842 | Pseudo-CR on KI#18 and KI#20 - terminology change | Qualcomm | revised |  | S6-222952 |
| S6-222843 | EAS bundles - open issues | Qualcomm | noted |  |  |
| S6-222844 | Support for EAS bundles spread across EDNs | Qualcomm | revised |  | S6-222953 |
| S6-222845 | Federation and Roaming - Use cases and solution options | Qualcomm | noted |  |  |
| S6-222846 | Enhanced ECS for federation and roaming | Qualcomm, AT&T, NTT Docomo, Convida, Intel | revised |  | S6-222954 |
| S6-222847 | Solution #4, #5 update for ECS selection | Qualcomm | revised |  | S6-222955 |
| S6-222848 | Common EAS requirements | Qualcomm | approved |  |  |
| S6-222849 | Consolidating common EAS solutions | Qualcomm | noted |  |  |
| S6-222850 | Inclusion of name for reference point used for unicast SDS data transaction over signalling control plane | Samsung R&D Institute India | postponed |  |  |
| S6-222851 | Added additional subclause for switching from MBS session to unicast bearer for MCPTT | Samsung R&D Institute India | revised |  | S6-222924 |
| S6-222852 | Corrections to reference point usage in switching from MBS session to unicast bearer for MCData | Samsung R&D Institute India | agreed |  |  |
| S6-222853 | Title correction and use of group communication connect & disconnect clarification in MCData | Samsung R&D Institute India | agreed |  |  |
| S6-222854 | Addressing EN's in CSC-22 and CSC-23 interfaces | Samsung Electronics Romania | postponed | S6-222469 |  |
| S6-222855 | Evaluation of Key Issue #3: Service switch in PIN | InterDigital | revised | S6-222503 | S6-222876 |
| S6-222856 | New solution for KI#5 – PIN Service continuity | InterDigital | revised | S6-222393 | S6-222877 |
| S6-222857 | Redundant path establishment with dual UE – dual UP | Ericsson Telecomunicazioni SpA | noted |  |  |
| S6-222858 | Clarification of scope due to PIN Requirements for Managing PINE Identifiers | InterDigital | approved |  |  |
| S6-222859 | DP on data preparation management for SEAL | Lenovo Future Communications | noted |  |  |
| S6-222860 | SEAL DPM functional architecture | Lenovo Future Communications | noted |  |  |
| S6-222861 | Solution 29 Minimum required AC Service KPIs | Apple GmbH | approved |  |  |
| S6-222862 | Solution 29 EDN configuration information | Apple GmbH | approved |  |  |
| S6-222863 | Exploring KI 17 Common EAS solution commonality | Apple GmbH | noted |  |  |
| S6-222864 | MCShAC enhancement to functional architecture | Motorola Solutions Poland | revised |  | S6-223026 |
| S6-222865 | New Solution: Support for DAA | InterDigital | revised | S6-222362 | S6-222884 |
| S6-222866 | Solution for KI#22 Invoke non-roaming UE location | Samsung | revised | S6-222736 | S6-222946 |
| S6-222867 | 5G capabilities exposure for factories of the future – identified gaps | 5G Alliance for Connected Industries and Automation (5G-ACIA) | postponed | - | - |
| S6-222868 | Reply LS on “Re-use of CAPIF by ETSI MEC” | Nokia | revised | - | S6-222938 |
| S6-222869 | Discussion abour SEALDD and NRM | Huawei, Hisilicon | noted | - | - |
| S6-222870 | LS on PIN Management | SA6 | approved | - | - |
| S6-222871 | 3GPP TR 23.700-98 V1.2.0 Analysis | OPG Operator Platform API Group | postponed | - | - |
| S6-222872 | LS for clarification on the deployment of bundle EAS | Huawei | postponed | - | - |
| S6-222873 | Pseudo-CR on Update of the evaluation of solution #29 | Apple GmbH | approved | S6-222646 | - |
| S6-222874 | Solution on group membership update by authorized user from a partner MC system | Netherlands Police | approved | S6-222625 | - |
| S6-222875 | pCR Solution on exchange of user configuration | BDBOS | revised | S6-222644 | S6-223051 |
| S6-222876 | Evaluation of Key Issue #3: Service switch in PIN | InterDigital | revised | S6-222855 | S6-223048 |
| S6-222877 | New solution for KI#5 – PIN Service continuity | InterDigital | postponed | S6-222856 | - |
| S6-222878 | Updates to architectural assumptions for EAS Service APIs enablement | ETRI, Uangel | agreed | S6-222767 | - |
| S6-222879 | Clarifications on usage of EDGE in Annex A | InterDigital | revised | S6-222633 | S6-223030 |
| S6-222880 | Requirements for support for multi-USS deployments | InterDigital | agreed | S6-222627 | - |
| S6-222881 | Additions to functional entities on support for multi-USS deployments | InterDigital | agreed | S6-222645 | - |
| S6-222882 | Addition of multi-USS capabilities to UAE layer registration | InterDigital | agreed | S6-222664 | - |
| S6-222883 | Addition of procedures for multi-USS configuration and support at change of USS | InterDigital | revised | S6-222665 | S6-223039 |
| S6-222884 | New Solution: Support for DAA | InterDigital | postponed | S6-222865 | - |
| S6-222885 | FS\_eEDGEAPP Key Issue #10 Overall Evaluation Update and Conclusion | InterDigital, Samsung, Huawei | postponed | S6-222647 | - |
| S6-222886 | ACR scenario combination | InterDigital | postponed | S6-222649 | - |
| S6-222887 | Editorial correction in clause 11.2.3 | Samsung | approved | S6-222687 | - |
| S6-222888 | Update solution #13 | Samsung | revised | S6-222689 | S6-223053 |
| S6-222889 | update the NSCE functional | China Mobile (Suzhou) Software | revised | S6-222738 | S6-223032 |
| S6-222890 | UE registration | ZTE Corporation. | postponed | S6-222681 | - |
| S6-222891 | Correction of clause 4 | China Mobile (Suzhou) Software | withdrawn | - | - |
| S6-222892 | Application specific server registration | ZTE Corporation. | postponed | S6-222682 | - |
| S6-222893 | Overall evaluation update of sol#16 | China Mobile (Suzhou) Software | withdrawn | - | - |
| S6-222894 | Support for TSC services | ZTE Corporation. | revised | S6-222683 | S6-223031 |
| S6-222895 | Update and solution evaluation of sol#16 | China Mobile (Suzhou) Software | postponed | S6-222742 | - |
| S6-222896 | Support for MSGin5G services | ZTE Corporation. | approved | S6-222684 | - |
| S6-222897 | Network slice optimization based on AF policy | China Mobile (Suzhou) Software | revised | S6-222743 | S6-223035 |
| S6-222898 | Support for OT integration | ZTE Corporation. | postponed | S6-222685 | - |
| S6-222899 | update of overview and Application architecture | China Mobile (Suzhou) Software | revised | S6-222744 | S6-223036 |
| S6-222900 | Overall evaluation of key issue#1 | Huawei, Hisilicon | withdrawn | S6-222259 | - |
| S6-222901 | pCR TS 23.435 NSCALE\_Add slice adaption requirements | HUAWEI TECHNOLOGIES Co. Ltd. | approved | S6-222759 | - |
| S6-222902 | pCR TS 23.435 NSCALE\_Add information flows and APIs of network slice adaptation | HUAWEI TECHNOLOGIES Co. Ltd. | postponed | S6-222760 | - |
| S6-222903 | TS 23.434 Enhance the APIs of the network slice adaptation | HUAWEI TECHNOLOGIES Co. Ltd. | revised | S6-222762 | S6-223033 |
| S6-222904 | Evaluation and conclusion of PIN create | vivo | approved | S6-222652 | - |
| S6-222905 | Evaluation and conclusion of PIN delete | vivo | approved | S6-222653 | - |
| S6-222906 | Evaluation and conclusion of PIN server discovery | vivo | approved | S6-222654 | - |
| S6-222907 | Evaluation and conclusion of KI#2 for PINE communication via 5GS | vivo | approved | S6-222655 | - |
| S6-222908 | Evaluation and conclusion of PEMC/PEGC/PINE registration | vivo | revised | S6-222656 | S6-223047 |
| S6-222909 | Evaluation of Solution 10: Service switch internal PIN | vivo | revised | S6-222657 | S6-223049 |
| S6-222910 | New solution for Service continuity in PIN | vivo | approved | S6-222658 | - |
| S6-222911 | Solution update for Access control information in PEGC | vivo | approved | S6-222659 | - |
| S6-222912 | Solution update for PIN server discovery | vivo | approved | S6-222660 | - |
| S6-222913 | LS on Support PIN application architecture and interaction | Vivo | revised | S6-222632 | S6-223028 |
| S6-222914 | Evaluation and conclusion of PIN discovery | vivo | approved | S6-222686 | - |
| S6-222915 | New WID on Mission Critical ad hoc group Communications | Samsung | revised | S6-222777 | S6-223073 |
| S6-222916 | Pseudo-CR - Solution evaluation for PIN profile | Samsung | approved | S6-222748 | - |
| S6-222917 | Pseudo-CR on overall evaluation of Key issue #1 | Samsung | approved | S6-222761 | - |
| S6-222918 | Architecture enhancements evaluation and conclusion for roaming UEs | Samsung | approved | S6-222690 | - |
| S6-222919 | Edge Node Sharing and Federation (Merged Solution) | Samsung | postponed | S6-222753 | - |
| S6-222920 | Solution for Edge Node Sharing | Samsung | revised | S6-222754 | S6-223057 |
| S6-222921 | Handling of UE Mobility pattern | Samsung | postponed | S6-222755 | - |
| S6-222922 | SEAL Registrar service | Samsung | postponed | S6-222758 | - |
| S6-222923 | pCR on functional architecture | BDBOS, Nokia, Nokia Shanghai Bell, A.S.T.R.I.D., Netherlands Police, MINISTERE DE L'INTERIEUR | revised | S6-222629 | S6-223050 |
| S6-222924 | Added additional subclause for switching from MBS session to unicast bearer for MCPTT | Samsung R&D Institute India | agreed | S6-222851 | - |
| S6-222925 | bulk registration of Non-MSGin5G UEs | China Mobile Com. Corporation | agreed | S6-222694 | - |
| S6-222926 | bulk de-registration of Non-MSGin5G UEs | China Mobile Com. Corporation | agreed | S6-222695 | - |
| S6-222927 | Pseudo-CR on Solution#6 Update | CATT | revised | S6-222635 | S6-223052 |
| S6-222928 | Pseudo-CR on update Architectural requirements | CATT | approved | S6-222638 | - |
| S6-222929 | Pseudo-CR on update for overall evaluation | CATT | approved | S6-222640 | - |
| S6-222930 | Pseudo-CR on update for Conclusion | CATT | approved | S6-222641 | - |
| S6-222931 | MSGin5G UE bulk de-registration over MSGin5G-6 reference point | China Mobile Com. Corporation | agreed | S6-222696 | - |
| S6-222932 | Federated EAS context management | Samsung | postponed | S6-222735 | - |
| S6-222933 | Message Aggregation used in Group messaging and Message delivery based on Messaging Topic | China Mobile Com. Corporation | agreed | S6-222697 | - |
| S6-222934 | Limitation of the API provider for Rel-18 SNAAPP | NTT DOCOMO | approved | S6-222708 | - |
| S6-222935 | New key issue on granularity of authorization scope | NTT DOCOMO | postponed | S6-222709 | - |
| S6-222936 | LS on application-level authorization scope for northbound API invocation | NTT DOCOMO | postponed | S6-222711 | - |
| S6-222937 | Resolving Editor's Notes for solution #16 | NTT DOCOMO | approved | S6-222713 | - |
| S6-222938 | Reply LS on “Re-use of CAPIF by ETSI MEC” | Nokia | revised | S6-222868 | S6-223027 |
| S6-222939 | Federated EAS API management | Samsung | postponed | S6-222737 | - |
| S6-222940 | Skeleton for TS 23.436 | Lenovo Future Communications | approved | S6-222769 | - |
| S6-222941 | Scope and Introduction for TS 23.436 | Lenovo Future Communications | approved | S6-222770 | - |
| S6-222942 | Generic architecture requirements | Lenovo Future Communications | approved | S6-222771 | - |
| S6-222943 | annex on deployment scenarios | Lenovo Future Communications | approved | S6-222772 | - |
| S6-222944 | Key issue #24 conclusion | Lenovo Future Communications | approved | S6-222774 | - |
| S6-222945 | Discovery of management service exposure | Lenovo Future Communications | postponed | S6-222776 | - |
| S6-222946 | Solution for KI#22 Invoke non-roaming UE location | Samsung | postponed | S6-222866 | - |
| S6-222947 | Updating migration overview | Ericsson | agreed | S6-222717 | - |
| S6-222948 | Private call towards a migrated MC user | Ericsson | agreed | S6-222718 | - |
| S6-222949 | Addition of prediction expiration time IE and ACR information procedure | Huawei, HiSilicon | agreed | S6-222701 | - |
| S6-222950 | Conclusion of KI#5 | Huawei, Hisilicon, Intel, ETRI | approved | S6-222702 | - |
| S6-222951 | Conclusion of KI#6 and KI#10 | Huawei, Hisilicon, InterDigital | revised | S6-222703 | S6-223054 |
| S6-222952 | Pseudo-CR on KI#18 and KI#20 - terminology change | Qualcomm | approved | S6-222842 | - |
| S6-222953 | Support for EAS bundles spread across EDNs | Qualcomm | revised | S6-222844 | S6-223066 |
| S6-222954 | Enhanced ECS for federation and roaming | Qualcomm, AT&T, NTT Docomo, Convida, Intel, Samsung, InterDigital | postponed | S6-222846 | - |
| S6-222955 | Solution #4, #5 update for ECS selection | Qualcomm | approved | S6-222847 | - |
| S6-222956 | Solution on request group ID | BDBOS | postponed | S6-222643 | - |
| S6-222957 | Pseudo-CR on Solution#25 update for CAS initiated ACR procedure | KPN N.V., Qualcomm, Vivo, Samsung | revised | S6-222780 | S6-223058 |
| S6-222958 | EAS selection and instantiation in EES | Ericsson | approved | S6-222720 | - |
| S6-222959 | Pseduo CR on PIN elements addition while creating PIN | Samsung | approved | S6-222749 | - |
| S6-222960 | EEL service differentiation | Ericsson | postponed | S6-222721 | - |
| S6-222961 | Support more traffic filters | Ericsson | revised | S6-222723 | S6-223038 |
| S6-222962 | Support simu-EAS connectivity in ACR | Ericsson | revised | S6-222724 | S6-223078 |
| S6-222963 | ACR for EAS federation | Ericsson | approved | S6-222725 | - |
| S6-222964 | Solve remaining ENs in sol#30 | Ericsson | revised | S6-222729 | S6-223062 |
| S6-222965 | New solution for KI#8 | Ericsson | revised | S6-222730 | S6-223069 |
| S6-222966 | Solve EN in sol#10 | Ericsson | approved | S6-222731 | - |
| S6-222967 | Federated EAS discovery | Ericsson | revised | S6-222732 | S6-223055 |
| S6-222968 | Reliable Edge service | Ericsson, Samsung | revised | S6-222733 | S6-223067 |
| S6-222969 | LS on related EAS | Ericsson | revised | S6-222734 | S6-223029 |
| S6-222970 | Resolve ENs for SEALDD Solution 11 | Convida Wireless | approved | S6-222666 | - |
| S6-222971 | KI#13 SEALDD performance guarantee with redundant transport | Convida Wireless | revised | S6-222668 | S6-223068 |
| S6-222972 | Update 7.3.2.3.7 local PEMC failure | Convida Wireless | approved | S6-222669 | - |
| S6-222973 | PIN management with multiple PEGCs | Convida Wireless | approved | S6-222670 | - |
| S6-222974 | Solution #4 update and eval | Convida Wireless | approved | S6-222677 | - |
| S6-222975 | TR 23.700-97 editorial updates | Convida Wireless | approved | S6-222678 | - |
| S6-222976 | LS on network parameters configuration for IoT Platforms | Convida Wireless | revised | S6-222679 | S6-223075 |
| S6-222977 | Clarification of use of QCI-69 bearer for HTTP-1 reference point | Sepura Ltd, Nokia, Nokia Shanghai Bell | agreed | S6-222663 | - |
| S6-222978 | AC Association aware solution update | Convida Wireless | revised | S6-222671 | S6-223080 |
| S6-222979 | Solution 15 update to address EN | Convida Wireless | revised | S6-222672 | S6-223061 |
| S6-222980 | Implementation of TR23.700-98 solution for KI#8 | Convida Wireless | revised | S6-222674 | S6-223076 |
| S6-222981 | Coordination between Edge services and network slices | Convida Wireless | withdrawn | - | - |
| S6-222982 | Solution on user authorization | BDBOS | approved | S6-222630 | - |
| S6-222983 | Redundant path establishment with dual UE – dual UP | Ericsson France S.A.S | withdrawn | - | - |
| S6-222984 | Scope and Introduction for SEALDD TS | Huawei, Hisilicon | approved | S6-222791 | - |
| S6-222985 | Architecture for SEALDD | Huawei, Hisilicon | revised | S6-222792 | S6-223040 |
| S6-222986 | Business relationships of SEALDD | Huawei, Hisilicon | approved | S6-222793 | - |
| S6-222987 | SEALDD enabled E2E redundant transmission | Huawei, Hisilicon | revised | S6-222794 | S6-223041 |
| S6-222988 | SEALDD regular connection establishment | Huawei, Hisilicon | revised | S6-222795 | S6-223042 |
| S6-222989 | SEALDD and MSGin5G | Huawei, Hisilicon | revised | S6-222796 | S6-223043 |
| S6-222990 | SEALDD Server Discovery and Selection | Huawei, Hisilicon | revised | S6-222797 | S6-223044 |
| S6-222991 | EES determines the selected ACR scenario | Huawei, Hisilicon | postponed | S6-222799 | - |
| S6-222992 | EES monitoring the UE mobility for service continuity planning | Huawei, Hisilicon | revised | S6-222800 | S6-223037 |
| S6-222993 | Traffic influence for initial EAS discovery | Huawei, Hisilicon | postponed | S6-222801 | - |
| S6-222994 | N5 descriptions update for MBS | Huawei, Hisilicon | agreed | S6-222803 | - |
| S6-222995 | Definition of MBS session announcement | Huawei, Hisilicon | agreed | S6-222804 | - |
| S6-222996 | Information flows for MBS procedures | Huawei, Hisilicon | agreed | S6-222805 | - |
| S6-222997 | Updating MBS with dynamic PCC | Huawei, Hisilicon | agreed | S6-222807 | - |
| S6-222998 | NRM coordination for redundant PDU Session establishment | Huawei, Hisilicon | revised | S6-222808 | S6-223034 |
| S6-222999 | V2X application layer architecture support for edge deployments | Huawei, Hisilicon | revised | S6-222809 | S6-223045 |
| S6-223000 | Enhancement to network monitoring | Huawei, Hisilicon | revised | S6-222810 | S6-223046 |
| S6-223001 | Deployment suggestion for SEALDD | Huawei, Hisilicon | approved | S6-222812 | - |
| S6-223002 | Overall evaluation and conclusion of KI #4 | Huawei, Hisilicon | revised | S6-222813 | S6-223070 |
| S6-223003 | Solution to SEALDD enabled traffic control for different VAL users | Huawei, Hisilicon | postponed | S6-222815 | - |
| S6-223004 | Update to solution #6 to remove the Ens | Huawei, Hisilicon | approved | S6-222816 | - |
| S6-223005 | Solution to KI #3: SEALDD enabled N6 Tunnel establishment | Huawei, Hisilicon | approved | S6-222817 | - |
| S6-223006 | Update Solution #9 | Huawei, Hisilicon | approved | S6-222819 | - |
| S6-223007 | Evaluation and conclusion for KI #9 | Huawei, Hisilicon, InterDigital | approved | S6-222820 | - |
| S6-223008 | Resolve EN in Solution #40 | Huawei, Hisilicon | approved | S6-222821 | - |
| S6-223009 | Solution for KI #18 – EEC selected ACR scenario for linked EAS(s) | Huawei, Hisilicon | revised | S6-222822 | S6-223063 |
| S6-223010 | Solution for KI #18 – EES determined ACR scenario for linked EAS(s) | Huawei, Hisilicon | revised | S6-222823 | S6-223064 |
| S6-223011 | Update Solution #33 | Huawei, Hisilicon | approved | S6-222824 | - |
| S6-223012 | Adding working assumption on solution#4 and solution#5 | Huawei, Hisilicon | approved | S6-222825 | - |
| S6-223013 | Federation and roaming scenario and solution | Huawei, Hisilicon | noted | S6-222827 | - |
| S6-223014 | Overall evaluation for common EAS | Huawei, Hisilicon | postponed | S6-222828 | - |
| S6-223015 | Solution for the CAS initiated ACR procedure | Huawei, Hisilicon | revised | S6-222829 | S6-223059 |
| S6-223016 | Solution for EAS discovery in Edge Node sharing scenario | Huawei, Hisilicon | revised | S6-222830 | S6-223056 |
| S6-223017 | Solution for EEL assist the application layer to determine the common EAS | Huawei, Hisilicon | postponed | S6-222831 | - |
| S6-223018 | Solution for T-EAS discovery for linked EAS(s) within EHE | Huawei, Hisilicon | revised | S6-222832 | S6-223065 |
| S6-223019 | EEL utilization of SEAL services deployed in EDN | Huawei, Hisilicon | approved | S6-222835 | - |
| S6-223020 | Modification on architecture requirement on ECS discovery | Huawei, Hisilicon | approved | S6-222836 | - |
| S6-223021 | Solution to KI#5 | Huawei, Hisilicon | approved | S6-222837 | - |
| S6-223022 | Updates to Overall evaluation and conclusion for KI#5 | Huawei, Hisilicon | approved | S6-222838 | - |
| S6-223023 | Pseudo-CR on Solution #31 updates | Samsung | revised | S6-222778 | S6-223079 |
| S6-223024 | Pseudo-CR on concluding KI#11 | Samsung, KPN | revised | S6-222779 | S6-223060 |
| S6-223025 | Revised WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2 | Samsung | revised | S6-222787 | S6-223074 |
| S6-223026 | MCShAC enhancement to functional architecture | Motorola Solutions Poland | approved | S6-222864 | - |
| S6-223027 | Reply LS on “Re-use of CAPIF by ETSI MEC” | SA6 | approved | S6-222938 | - |
| S6-223028 | LS on Support PIN application architecture and interaction | Vivo | approved | S6-222913 | - |
| S6-223029 | LS on related EAS | SA6 | approved | S6-222969 | - |
| S6-223030 | Clarifications on usage of EDGE in Annex A | InterDigital | agreed | S6-222879 | - |
| S6-223031 | Support for TSC services | ZTE Corporation. | approved | S6-222894 | - |
| S6-223032 | update the NSCE functional | China Mobile (Suzhou) Software | agreed | S6-222889 | - |
| S6-223033 | TS 23.434 Enhance the APIs of the network slice adaptation | HUAWEI TECHNOLOGIES Co. Ltd. | agreed | S6-222903 | - |
| S6-223034 | NRM coordination for redundant PDU Session establishment | Huawei, Hisilicon | agreed | S6-222998 | - |
| S6-223035 | Network slice optimization based on AF policy | China Mobile (Suzhou) Software | approved | S6-222897 | - |
| S6-223036 | update of overview and Application architecture | China Mobile (Suzhou) Software | approved | S6-222899 | - |
| S6-223037 | EES monitoring the UE mobility for service continuity planning | Huawei, Hisilicon | agreed | S6-222992 | - |
| S6-223038 | Support more traffic filters | Ericsson | agreed | S6-222961 | - |
| S6-223039 | Addition of procedures for multi-USS configuration and support at change of USS | InterDigital | agreed | S6-222883 | - |
| S6-223040 | Architecture for SEALDD | Huawei, Hisilicon | approved | S6-222985 | - |
| S6-223041 | SEALDD enabled E2E redundant transmission | Huawei, Hisilicon | approved | S6-222987 | - |
| S6-223042 | SEALDD regular connection establishment | Huawei, Hisilicon | approved | S6-222988 | - |
| S6-223043 | SEALDD and MSGin5G | Huawei, Hisilicon | approved | S6-222989 | - |
| S6-223044 | SEALDD Server Discovery and Selection | Huawei, Hisilicon | approved | S6-222990 | - |
| S6-223045 | V2X application layer architecture support for edge deployments | Huawei, Hisilicon | agreed | S6-222999 | - |
| S6-223046 | Enhancement to network monitoring | Huawei, Hisilicon | agreed | S6-223000 | - |
| S6-223047 | Evaluation and conclusion of PEMC/PEGC/PINE registration | vivo | approved | S6-222908 | - |
| S6-223048 | Evaluation of Key Issue #3: Service switch in PIN | InterDigital | approved | S6-222876 | - |
| S6-223049 | Evaluation of Solution 10: Service switch internal PIN | vivo | approved | S6-222909 | - |
| S6-223050 | pCR on functional architecture | BDBOS, Nokia, Nokia Shanghai Bell, A.S.T.R.I.D., Netherlands Police, MINISTERE DE L'INTERIEUR | approved | S6-222923 | - |
| S6-223051 | pCR Solution on exchange of user configuration | BDBOS | approved | S6-222875 | - |
| S6-223052 | Pseudo-CR on Solution#6 Update | CATT | approved | S6-222927 | - |
| S6-223053 | Update solution #13 | Samsung | approved | S6-222888 | - |
| S6-223054 | Conclusion of KI#6 and KI#10 | Huawei, Hisilicon, InterDigital, Qualcomm, Intel | postponed | S6-222951 | - |
| S6-223055 | Federated EAS discovery | Ericsson | approved | S6-222967 | - |
| S6-223056 | Solution for EAS discovery in Edge Node sharing scenario | Huawei, Hisilicon | approved | S6-223016 | - |
| S6-223057 | Solution for Edge Node Sharing | Samsung | approved | S6-222920 | - |
| S6-223058 | Pseudo-CR on Solution#25 update for CAS initiated ACR procedure | KPN N.V., Qualcomm, Vivo, Samsung | approved | S6-222957 | - |
| S6-223059 | Solution for the CAS initiated ACR procedure | Huawei, Hisilicon | approved | S6-223015 | - |
| S6-223060 | Pseudo-CR on concluding KI#11 | Samsung, KPN | approved | S6-223024 | - |
| S6-223061 | Solution 15 update to address EN | Convida Wireless | approved | S6-222979 | - |
| S6-223062 | Solve remaining ENs in sol#30 | Ericsson | approved | S6-222964 | - |
| S6-223063 | Solution for KI #18 – EEC selected ACR scenario for linked EAS(s) | Huawei, Hisilicon | approved | S6-223009 | - |
| S6-223064 | Solution for KI #18 – EES determined ACR scenario for linked EAS(s) | Huawei, Hisilicon | approved | S6-223010 | - |
| S6-223065 | Solution for T-EAS discovery for linked EAS(s) within EHE | Huawei, Hisilicon | approved | S6-223018 | - |
| S6-223066 | Support for EAS bundles spread across EDNs | Qualcomm | approved | S6-222953 | - |
| S6-223067 | Reliable Edge service | Ericsson, Samsung | approved | S6-222968 | - |
| S6-223068 | KI#13 SEALDD performance guarantee with redundant transport | Convida Wireless | approved | S6-222971 | - |
| S6-223069 | New solution for KI#8 | Ericsson | approved | S6-222965 | - |
| S6-223070 | Overall evaluation and conclusion of KI #4 | Huawei, Hisilicon | approved | S6-223002 | - |
| S6-223071 | missing evaluations and EN resolution | Lenovo Future Communications | agreed | S6-222775 | - |
| S6-223072 | New WID on 5G-enabled fused location service capability exposure | CATT | agreed | S6-222642 | - |
| S6-223073 | New WID on Mission Critical ad hoc group Communications | Samsung | agreed | S6-222915 | - |
| S6-223074 | Revised WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2 | Samsung | agreed | S6-223025 | - |
| S6-223075 | LS on network parameters configuration for IoT Platforms | SA6 | approved | S6-222976 | - |
| S6-223076 | Implementation of TR23.700-98 solution for KI#8 | Convida Wireless | agreed | S6-222980 | - |
| S6-223077 | ACR scenario combination | InterDigital | withdrawn | - | - |
| S6-223078 | Support simu-EAS connectivity in ACR | Ericsson | agreed | S6-222962 | - |
| S6-223079 | Pseudo-CR on Solution #31 updates | Samsung | approved | S6-223023 | - |
| S6-223080 | AC Association aware solution update | Convida Wireless | approved | S6-222978 | - |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S6-222627 | Requirements for support for multi-USS deployments | InterDigital | 23.255 | 0026 | - | Rel-18 | B | UASAPP\_Ph2 | revised |
| S6-222880 | Requirements for support for multi-USS deployments | InterDigital | 23.255 | 0026 | 1 | Rel-18 | B | UASAPP\_Ph2 | agreed |
| S6-222633 | Clarifications on usage of EDGE in Annex A | InterDigital | 23.255 | 0027 | - | Rel-17 | F | UASAPP | revised |
| S6-222879 | Clarifications on usage of EDGE in Annex A | InterDigital | 23.255 | 0027 | 1 | Rel-17 | F | UASAPP | revised |
| S6-223030 | Clarifications on usage of EDGE in Annex A | InterDigital | 23.255 | 0027 | 2 | Rel-17 | F | UASAPP | agreed |
| S6-222634 | Removal of normative text in an informative annex | InterDigital | 23.255 | 0028 | - | Rel-17 | F | UASAPP | agreed |
| S6-222645 | Additions to functional entities on support for multi-USS deployments | InterDigital | 23.255 | 0029 | - | Rel-18 | B | UASAPP\_Ph2 | revised |
| S6-222881 | Additions to functional entities on support for multi-USS deployments | InterDigital | 23.255 | 0029 | 1 | Rel-18 | B | UASAPP\_Ph2 | agreed |
| S6-222664 | Addition of multi-USS capabilities to UAE layer registration | InterDigital | 23.255 | 0030 | - | Rel-18 | B | UASAPP\_Ph2 | revised |
| S6-222882 | Addition of multi-USS capabilities to UAE layer registration | InterDigital | 23.255 | 0030 | 1 | Rel-18 | B | UASAPP\_Ph2 | agreed |
| S6-222665 | Addition of procedures for multi-USS configuration and support at change of USS | InterDigital | 23.255 | 0031 | - | Rel-18 | B | UASAPP\_Ph2 | revised |
| S6-222883 | Addition of procedures for multi-USS configuration and support at change of USS | InterDigital | 23.255 | 0031 | 1 | Rel-18 | B | UASAPP\_Ph2 | revised |
| S6-223039 | Addition of procedures for multi-USS configuration and support at change of USS | InterDigital | 23.255 | 0031 | 2 | Rel-18 | B | UASAPP\_Ph2 | agreed |
| S6-222854 | Addressing EN's in CSC-22 and CSC-23 interfaces | Samsung Electronics Romania | 23.280 | 0350 | 2 | Rel-18 | B | enh4MCPTT | postponed |
| S6-222663 | Clarification of use of QCI-69 bearer for HTTP-1 reference point | Sepura Ltd, Nokia, Nokia Shanghai Bell | 23.280 | 0351 | - | Rel-18 | F | enh4MCPTT | revised |
| S6-222977 | Clarification of use of QCI-69 bearer for HTTP-1 reference point | Sepura Ltd, Nokia, Nokia Shanghai Bell | 23.280 | 0351 | 1 | Rel-18 | F | enh4MCPTT | agreed |
| S6-222717 | Updating migration overview | Ericsson | 23.280 | 0352 | - | Rel-18 | C | IRail | revised |
| S6-222947 | Updating migration overview | Ericsson | 23.280 | 0352 | 1 | Rel-18 | C | IRail | agreed |
| S6-222718 | Private call towards a migrated MC user | Ericsson | 23.280 | 0353 | - | Rel-18 | B | IRail | revised |
| S6-222948 | Private call towards a migrated MC user | Ericsson | 23.280 | 0353 | 1 | Rel-18 | B | IRail | agreed |
| S6-222841 | Description for the terms used in the location management procedures | Samsung Electronics Romania | 23.280 | 0354 | - | Rel-18 | F | enh4MCPTT | agreed |
| S6-222850 | Inclusion of name for reference point used for unicast SDS data transaction over signalling control plane | Samsung R&D Institute India | 23.282 | 0299 | - | Rel-18 | F | enh4MCPTT | postponed |
| S6-222628 | LMR-3GPP Location Interworking | FirstNet | 23.283 | 0065 | - | Rel-18 | B | enh4MCPTT | postponed |
| S6-222809 | V2X application layer architecture support for edge deployments | Huawei, Hisilicon | 23.286 | 0072 | - | Rel-18 | B | V2XAPP\_Ph3 | revised |
| S6-222999 | V2X application layer architecture support for edge deployments | Huawei, Hisilicon | 23.286 | 0072 | 1 | Rel-18 | B | V2XAPP\_Ph3 | revised |
| S6-223045 | V2X application layer architecture support for edge deployments | Huawei, Hisilicon | 23.286 | 0072 | 2 | Rel-18 | B | V2XAPP\_Ph3 | agreed |
| S6-222810 | Enhancement to network monitoring | Huawei, Hisilicon | 23.286 | 0073 | - | Rel-18 | C | V2XAPP\_Ph3 | revised |
| S6-223000 | Enhancement to network monitoring | Huawei, Hisilicon | 23.286 | 0073 | 1 | Rel-18 | C | V2XAPP\_Ph3 | revised |
| S6-223046 | Enhancement to network monitoring | Huawei, Hisilicon | 23.286 | 0073 | 2 | Rel-18 | C | V2XAPP\_Ph3 | agreed |
| S6-222803 | N5 descriptions update for MBS | Huawei, Hisilicon | 23.289 | 0092 | - | Rel-18 | F | MCOver5MBS | revised |
| S6-222994 | N5 descriptions update for MBS | Huawei, Hisilicon | 23.289 | 0092 | 1 | Rel-18 | F | MCOver5MBS | agreed |
| S6-222851 | Added additional subclause for switching from MBS session to unicast bearer for MCPTT | Samsung R&D Institute India | 23.289 | 0093 | - | Rel-18 | F | MCOver5MBS | revised |
| S6-222924 | Added additional subclause for switching from MBS session to unicast bearer for MCPTT | Samsung R&D Institute India | 23.289 | 0093 | 1 | Rel-18 | F | MCOver5MBS | agreed |
| S6-222852 | Corrections to reference point usage in switching from MBS session to unicast bearer for MCData | Samsung R&D Institute India | 23.289 | 0094 | - | Rel-18 | F | MCOver5MBS | agreed |
| S6-222853 | Title correction and use of group communication connect & disconnect clarification in MCData | Samsung R&D Institute India | 23.289 | 0095 | - | Rel-18 | F | MCOver5MBS | agreed |
| S6-222758 | SEAL Registrar service | Samsung | 23.434 | 0106 | 5 | Rel-18 | B | eSEAL2 | revised |
| S6-222922 | SEAL Registrar service | Samsung | 23.434 | 0106 | 6 | Rel-18 | B | eSEAL2 | postponed |
| S6-222738 | update the NSCE functional | China Mobile (Suzhou) Software | 23.434 | 0126 | - | Rel-18 | B | eSEAL2 | revised |
| S6-222889 | update the NSCE functional | China Mobile (Suzhou) Software | 23.434 | 0126 | 1 | Rel-18 | B | eSEAL2 | revised |
| S6-223032 | update the NSCE functional | China Mobile (Suzhou) Software | 23.434 | 0126 | 2 | Rel-18 | B | eSEAL2 | agreed |
| S6-222762 | TS 23.434 Enhance the APIs of the network slice adaptation | HUAWEI TECHNOLOGIES Co. Ltd. | 23.434 | 0127 | - | Rel-18 | B | eSEAL2 | revised |
| S6-222903 | TS 23.434 Enhance the APIs of the network slice adaptation | HUAWEI TECHNOLOGIES Co. Ltd. | 23.434 | 0127 | 1 | Rel-18 | B | eSEAL2 | revised |
| S6-223033 | TS 23.434 Enhance the APIs of the network slice adaptation | HUAWEI TECHNOLOGIES Co. Ltd. | 23.434 | 0127 | 2 | Rel-18 | B | eSEAL2 | agreed |
| S6-222783 | VAL service area identifier usage | Samsung | 23.434 | 0128 | - | Rel-18 | B | eSEAL2 | postponed |
| S6-222798 | Update to SEAL architecture to include SEALDD | Huawei, Hisilicon | 23.434 | 0129 | - | Rel-18 | B | SEALDD | agreed |
| S6-222804 | Definition of MBS session announcement | Huawei, Hisilicon | 23.434 | 0130 | - | Rel-18 | F | eSEAL2 | revised |
| S6-222995 | Definition of MBS session announcement | Huawei, Hisilicon | 23.434 | 0130 | 1 | Rel-18 | F | eSEAL2 | agreed |
| S6-222805 | Information flows for MBS procedures | Huawei, Hisilicon | 23.434 | 0131 | - | Rel-18 | B | eSEAL2 | revised |
| S6-222996 | Information flows for MBS procedures | Huawei, Hisilicon | 23.434 | 0131 | 1 | Rel-18 | B | eSEAL2 | agreed |
| S6-222806 | Support of redundant transmission for URLLC | Huawei, Hisilicon | 23.434 | 0132 | - | Rel-18 | B | eSEAL2 | noted |
| S6-222807 | Updating MBS with dynamic PCC | Huawei, Hisilicon | 23.434 | 0133 | - | Rel-18 | B | eSEAL2 | revised |
| S6-222997 | Updating MBS with dynamic PCC | Huawei, Hisilicon | 23.434 | 0133 | 1 | Rel-18 | B | eSEAL2 | agreed |
| S6-222808 | NRM coordination for redundant PDU Session establishment | Huawei, Hisilicon | 23.434 | 0134 | - | Rel-18 | B | eSEAL2 | revised |
| S6-222998 | NRM coordination for redundant PDU Session establishment | Huawei, Hisilicon | 23.434 | 0134 | 1 | Rel-18 | B | eSEAL2 | revised |
| S6-223034 | NRM coordination for redundant PDU Session establishment | Huawei, Hisilicon | 23.434 | 0134 | 2 | Rel-18 | B | eSEAL2 | agreed |
| S6-222860 | SEAL DPM functional architecture | Lenovo Future Communications | 23.434 | 0135 | - | Rel-18 | B | eSEAL | noted |
| S6-222692 | Remove the EN about Application ID in clause 8.4.2 | Huawei, HiSilicon | 23.554 | 0068 | - | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-222693 | Add the element of Application ID to the delivery status report | Huawei, HiSilicon | 23.554 | 0069 | - | Rel-18 | F | 5GMARCH\_Ph2 | postponed |
| S6-222694 | bulk registration of Non-MSGin5G UEs | China Mobile Com. Corporation | 23.554 | 0070 | - | Rel-18 | B | 5GMARCH\_Ph2 | revised |
| S6-222925 | bulk registration of Non-MSGin5G UEs | China Mobile Com. Corporation | 23.554 | 0070 | 1 | Rel-18 | B | 5GMARCH\_Ph2 | agreed |
| S6-222695 | bulk de-registration of Non-MSGin5G UEs | China Mobile Com. Corporation | 23.554 | 0071 | - | Rel-18 | B | 5GMARCH\_Ph2 | revised |
| S6-222926 | bulk de-registration of Non-MSGin5G UEs | China Mobile Com. Corporation | 23.554 | 0071 | 1 | Rel-18 | B | 5GMARCH\_Ph2 | agreed |
| S6-222696 | MSGin5G UE bulk de-registration over MSGin5G-6 reference point | China Mobile Com. Corporation | 23.554 | 0072 | - | Rel-18 | B | 5GMARCH\_Ph2 | revised |
| S6-222931 | MSGin5G UE bulk de-registration over MSGin5G-6 reference point | China Mobile Com. Corporation | 23.554 | 0072 | 1 | Rel-18 | B | 5GMARCH\_Ph2 | agreed |
| S6-222697 | Message Aggregation used in Group messaging and Message delivery based on Messaging Topic | China Mobile Com. Corporation | 23.554 | 0073 | - | Rel-18 | B | 5GMARCH\_Ph2 | revised |
| S6-222933 | Message Aggregation used in Group messaging and Message delivery based on Messaging Topic | China Mobile Com. Corporation | 23.554 | 0073 | 1 | Rel-18 | B | 5GMARCH\_Ph2 | agreed |
| S6-222698 | Message Aggregation used in Broadcast messaging | China Mobile Com. Corporation | 23.554 | 0074 | - | Rel-18 | B | 5GMARCH\_Ph2 | merged |
| S6-222699 | remove EN in clause 8.3.1 | China Mobile Com. Corporation | 23.554 | 0075 | - | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-222700 | terms alignment | China Mobile Com. Corporation | 23.554 | 0076 | - | Rel-18 | D | 5GMARCH\_Ph2 | agreed |
| S6-222757 | Correction for EEC registration expiration time | Samsung | 23.558 | 0115 | 2 | Rel-17 | F | EDGEAPP | postponed |
| S6-222649 | ACR scenario combination | InterDigital | 23.558 | 0123 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-222886 | ACR scenario combination | InterDigital | 23.558 | 0123 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | postponed |
| S6-223077 | ACR scenario combination | InterDigital | 23.558 | 0123 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | withdrawn |
| S6-222674 | Implementation of TR23.700-98 solution for KI#8 | Convida Wireless | 23.558 | 0124 | - | Rel-18 | C | FS\_eEDGEAPP, EDGEAPP\_Ph2 | revised |
| S6-222980 | Implementation of TR23.700-98 solution for KI#8 | Convida Wireless | 23.558 | 0124 | 1 | Rel-18 | C | FS\_eEDGEAPP, EDGEAPP\_Ph2 | revised |
| S6-223076 | Implementation of TR23.700-98 solution for KI#8 | Convida Wireless | 23.558 | 0124 | 2 | Rel-18 | C | FS\_eEDGEAPP, EDGEAPP\_Ph2 | agreed |
| S6-222691 | ECS information configured by edge-aware AC | Samsung | 23.558 | 0125 | - | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-222701 | Addition of prediction expiration time IE and ACR information procedure | Huawei, HiSilicon | 23.558 | 0126 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-222949 | Addition of prediction expiration time IE and ACR information procedure | Huawei, HiSilicon | 23.558 | 0126 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-222722 | Correct detection entity in EES executed ACR | Ericsson | 23.558 | 0127 | - | Rel-18 | F | EDGEAPP\_Ph2 | agreed |
| S6-222723 | Support more traffic filters | Ericsson | 23.558 | 0128 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-222961 | Support more traffic filters | Ericsson | 23.558 | 0128 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-223038 | Support more traffic filters | Ericsson | 23.558 | 0128 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-222724 | Support simu-EAS connectivity in ACR | Ericsson | 23.558 | 0129 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-222962 | Support simu-EAS connectivity in ACR | Ericsson | 23.558 | 0129 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-223078 | Support simu-EAS connectivity in ACR | Ericsson | 23.558 | 0129 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-222740 | ACR request trigger timing | KPN N.V. | 23.558 | 0130 | - | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-222767 | Updates to architectural assumptions for EAS Service APIs enablement | ETRI, Uangel | 23.558 | 0131 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-222878 | Updates to architectural assumptions for EAS Service APIs enablement | ETRI, Uangel | 23.558 | 0131 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-222768 | New procedure and information flows for EAS Service APIs enablement | ETRI, Uangel | 23.558 | 0132 | - | Rel-18 | B | EDGEAPP\_Ph2 | noted |
| S6-222799 | EES determines the selected ACR scenario | Huawei, Hisilicon | 23.558 | 0133 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-222991 | EES determines the selected ACR scenario | Huawei, Hisilicon | 23.558 | 0133 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | postponed |
| S6-222800 | EES monitoring the UE mobility for service continuity planning | Huawei, Hisilicon | 23.558 | 0134 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-222992 | EES monitoring the UE mobility for service continuity planning | Huawei, Hisilicon | 23.558 | 0134 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-223037 | EES monitoring the UE mobility for service continuity planning | Huawei, Hisilicon | 23.558 | 0134 | 2 | Rel-18 | B | EDGEAPP\_Ph2 | agreed |
| S6-222801 | Traffic influence for initial EAS discovery | Huawei, Hisilicon | 23.558 | 0135 | - | Rel-18 | B | EDGEAPP\_Ph2 | revised |
| S6-222993 | Traffic influence for initial EAS discovery | Huawei, Hisilicon | 23.558 | 0135 | 1 | Rel-18 | B | EDGEAPP\_Ph2 | postponed |
| S6-222775 | missing evaluations and EN resolution | Lenovo Future Communications | 23.700-36 | 0001 | - | Rel-18 | B | FS\_ADAES | revised |
| S6-223071 | missing evaluations and EN resolution | Lenovo Future Communications | 23.700-36 | 0001 | 1 | Rel-18 | B | FS\_ADAES | agreed |
| S6-222680 | Coordination between Edge services and network slices | Convida Wireless | 23.700-99 | 0001 | - | Rel-18 | B | FS\_NSCALE | noted |
| S6-222981 | Coordination between Edge services and network slices | Convida Wireless | 23.700-99 | 0001 | 1 | Rel-18 | B | FS\_NSCALE | withdrawn |
| S6-222739 | Correction of clause 4 | China Mobile (Suzhou) Software | 23.700-99 | 0002 | - | Rel-18 | D | FS\_NSCALE | agreed |
| S6-222891 | Correction of clause 4 | China Mobile (Suzhou) Software | 23.700-99 | 0002 | 1 | Rel-18 | D | FS\_NSCALE | withdrawn |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S6-222617 | S2-2207394 | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge | SA2 | postponed | S6-222661 |
| S6-222618 | OPG#103 Doc 03 | LS reply to 3GPP SA6 on Clarification of Edge Node Sharing | GSMA OPG | postponed | S6-222752 |
| S6-222619 | S2-2207023 | Reply LS on TSN scenarios | SA2 | noted | (none) |
| S6-222620 | S2-2207399 | LS Out on Support for managing slice for trusted third-party owned application | SA2 | noted | (none) |
| S6-222621 | S2-2207406 | LS on N5 clarification for MBS usage | SA2 | noted | (none) |
| S6-222622 | C3-224655 | Reply LS on 5MBS User Services | CT3 | noted | (none) |
| S6-222623 | S1-222267 | Reply LS on Support for managing slice for trusted third-party owned application | SA1 | noted | (none) |
| S6-222631 | MEC(22)000430r2 | LS reply to GSMA OPAG on E/WBI | ETSI ISG MEC | postponed | (none) |
| S6-222714 | MEC(22)000451r6 | Re-use of CAPIF by ETSI MEC | ETSI ISG MEC | replied to | S6-223027 |
| S6-222867 | 2022 09 06 5G-ACIA-LS 05 | 5G capabilities exposure for factories of the future – identified gaps | 5G Alliance for Connected Industries and Automation (5G-ACIA) | postponed | (none) |
| S6-222871 | OPAG 41 Doc 04 | 3GPP TR 23.700-98 V1.2.0 Analysis | OPG Operator Platform API Group | postponed | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S6-222870 | LS on PIN Management | SA1, SA2 |  |  |
| S6-223027 | Reply LS on “Re-use of CAPIF by ETSI MEC” | ETSI ISG MEC, 3GPP CT3 | 3GPP SA, CT, SA3 | S6-222714 |
| S6-223028 | LS on Support PIN application architecture and interaction | SA2, SA3 | - | - |
| S6-223029 | LS on related EAS | SA4 | SA2, SA5 | - |
| S6-223075 | LS on network parameters configuration for IoT Platforms | SA2 | - | - |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S6-223072 | New WID on 5G-enabled fused location service capability exposure | CATT | WID new |
| S6-223073 | New WID on Mission Critical ad hoc group Communications | Samsung | WID new |
| S6-223074 | Revised WID on Enhanced Service Enabler Architecture Layer for Verticals Phase 2 | Samsung | WID revised |

## Annex E: List of draft Technical Specifications and Reports

n/a

## Annex F: List of action items

n/a

## Annex G: List of decisions

n/a

## Annex H: List of participants

|  |  |  |
| --- | --- | --- |
| Name | Representing | Status (OP) |
| ACHTER, Johannes | T-Mobile Polska S.A. | 3GPPMEMBER (ETSI) |
| AHMAD, Saad | InterDigital, Europe, Ltd. | 3GPPMEMBER (ETSI) |
| ALEKSIEV, Vasil | T-Mobile Austria GmbH | 3GPPMEMBER (ETSI) |
| ALHALASEH, Rana | Ericsson Japan K.K. | 3GPPMEMBER (ARIB) |
| AMOGH, Niranth | Huawei Telecommunication India | 3GPPMEMBER (TSDSI) |
| AMURU, Saidhiraj | Indian Institute of Tech (H) | 3GPPMEMBER (TSDSI) |
| ASKERUP, Anders | Hewlett-Packard Enterprise | 3GPPMEMBER (ETSI) |
| AZEM, Dania | BDBOS | 3GPPMEMBER (ETSI) |
| BEICHT, Peter | Kontron Transportation France | 3GPPMEMBER (ETSI) |
| BELLING, Thomas | Nokia Japan | 3GPPMEMBER (ARIB) |
| BROSZEIT, Marco | Vodafone Romania S.A. | 3GPPMEMBER (ETSI) |
| CASATI, Alessio | Nokia Italy | 3GPPMEMBER (ETSI) |
| CETINKAYA, Egemen | Verizon Denmark | 3GPPMEMBER (ETSI) |
| CHEN, Xiao | ZTE Wistron Telecom AB | 3GPPMEMBER (ETSI) |
| CHEN, Zehao | HUAWEI Technologies Japan K.K. | 3GPPMEMBER (ARIB) |
| CHENG, Sihan | Nanjing Weibo | 3GPPMEMBER (CCSA) |
| CHIBA, Tsunehiko | VIAVI Solutions | 3GPPMEMBER (ETSI) |
| CHITTURI, Suresh | Samsung Research America | 3GPPMEMBER (ATIS) |
| CHONG, vivian | VIVO TECH GmbH | 3GPPMEMBER (ETSI) |
| CHOU, Joey | Intel Korea, Ltd. | 3GPPMEMBER (TTA) |
| DAWES, Peter | Vodafone Italia SpA | 3GPPMEMBER (ETSI) |
| ELAMANOV, Sherzod | SyncTechno, Inc. | 3GPPMEMBER (TTA) |
| FEATHERSTONE, Walter | Apple GmbH | 3GPPMEMBER (ETSI) |
| GACH, Guillaume | Union Inter. Chemins de Fer | 3GPPMEMBER (ETSI) |
| GAO, Feng | ZTE Corporation | 3GPPMEMBER (ETSI) |
| GE, Cuili | Huawei Technologies Japan K.K. | 3GPPMEMBER (TTC) |
| GUO, Yi | Intel Belgium SA/NV | 3GPPMEMBER (ETSI) |
| GUPTA, Nishant | Qualcomm India Pvt Ltd | 3GPPMEMBER (TSDSI) |
| HAN, Jaemin | Intel Romania | 3GPPMEMBER (ETSI) |
| HIETALAHTI, Hannu | Nokia Hungary | 3GPPMEMBER (ETSI) |
| HU, Yajie | Huawei Technologies France | 3GPPMEMBER (ETSI) |
| HU, Yue | China Mobile International Ltd | 3GPPMEMBER (CCSA) |
| INOUE, Yoshihiro | NTT Advanced Technology Corpor | 3GPPMEMBER (TTC) |
| JAKSA, Robert | Comcast | 3GPPMEMBER (ATIS) |
| JHA, Pranav | IIT Bombay | 3GPPMEMBER (TSDSI) |
| JIA, Xiaoqian | HUAWEI TECHNOLOGIES Co. Ltd. | 3GPPMEMBER (ETSI) |
| JIAN, Zhang | Huawei Technologies R&D UK | 3GPPMEMBER (ETSI) |
| JIN, James | GUANGDONG GENIUS TECHNOLOGY CO | 3GPPMEMBER (CCSA) |
| KAPALE, Kiran | Samsung R&D Institute India | 3GPPMEMBER (TSDSI) |
| KEDALAGUDDE, Meghashree D | Intel Corporation SAS | 3GPPMEMBER (ETSI) |
| KILGOUR, Kit | Sepura Ltd | 3GPPMEMBER (ETSI) |
| KIM, Hyesung | Samsung Electronics Romania | 3GPPMEMBER (ETSI) |
| KOERSTEN, Frank | BDBOS | 3GPPMEMBER (ETSI) |
| KOLEKAR, Abhijeet | Intel | 3GPPMEMBER (ATIS) |
| KUROIWA, Fumito | NTT DOCOMO INC. | 3GPPMEMBER (ARIB) |
| LAAKSONEN, Lasse | Nokia Shanghai Bell | 3GPPMEMBER (CCSA) |
| LAIR, Yannick | Nokia Corporation | 3GPPMEMBER (ETSI) |
| LAZARA, Dominic | Motorola Solutions Poland | 3GPPMEMBER (ETSI) |
| LEE, Cheolung | Harman GmbH | 3GPPMEMBER (ETSI) |
| LEE, Seung-Ik | ETRI | 3GPPMEMBER (TTA) |
| LEI, Yixue | Tencent | 3GPPMEMBER (CCSA) |
| LEVINE, Anatoli | Softil Ltd | 3GPPMEMBER (ETSI) |
| LI, Chenyi | Unicompay | 3GPPMEMBER (CCSA) |
| LI, Meng | HUAWEI TECH. GmbH | 3GPPMEMBER (ETSI) |
| LIANG, Haoran | Xiaomi Communications | 3GPPMEMBER (CCSA) |
| LIEBHART, Rainer | Nokia Poland | 3GPPMEMBER (ETSI) |
| LIPFORD, Mark | FirstNet | 3GPPMEMBER (ATIS) |
| LIU, Hongjun | Nubia Technology Co.,Ltd | 3GPPMEMBER (CCSA) |
| LIU, Jianning(Carry) | Beijing Xiaomi Software Tech | 3GPPMEMBER (CCSA) |
| LIU, Shanbin | China Unicom | 3GPPMEMBER (CCSA) |
| LU, Wei | Xiaomi Technology | 3GPPMEMBER (CCSA) |
| LU, Yang | Vodafone Ireland Plc | 3GPPMEMBER (ETSI) |
| LUETZENKIRCHEN, Thomas | Intel Deutschland GmbH | 3GPPMEMBER (ETSI) |
| LYU, Huazhang | iQoo | 3GPPMEMBER (CCSA) |
| M VAMANAN, Sudeep | Apple Gesellschaft m.b.H. | 3GPPMEMBER (ETSI) |
| MA, Ruitao | BTPDI | 3GPPMEMBER (CCSA) |
| MA, Wei | Sanechips | 3GPPMEMBER (CCSA) |
| MAO, Yuxin | Xiaomi EV Technology | 3GPPMEMBER (CCSA) |
| MARIOTTE, Hubert | Orange | 3GPPMEMBER (ETSI) |
| MARTINEZ TARRADELL, Marta | Intel Corporation Italia SpA | 3GPPMEMBER (ETSI) |
| MATTSSON, Bernt | ETSI | 3GPPORG\_REP (ETSI) |
| MELLIES, Renaud | MINISTERE DE L'INTERIEUR | 3GPPMEMBER (ETSI) |
| MERKEL, Jürgen | Nokia | 3GPPMEMBER (ATIS) |
| MILLER, James | InterDigital Finland Oy | 3GPPMEMBER (ETSI) |
| MINOKUCHI, Atsushi | DOCOMO Beijing Labs | 3GPPMEMBER (CCSA) |
| MLADIN, Catalina | Convida Wireless | 3GPPMEMBER (ETSI) |
| MONNES, Peter | Peraton Labs | 3GPPMEMBER (ATIS) |
| MONRAD, Atle | InterDigital Communications | 3GPPMEMBER (ATIS) |
| MURHAMMER, Leopold | Telekom Deutschland GmbH | 3GPPMEMBER (ETSI) |
| MURUGESAN, Karthik | Motorola Solutions UK Ltd. | 3GPPMEMBER (ETSI) |
| MUSTAPHA, Mona | Apple Europe Limited | 3GPPMEMBER (ETSI) |
| MYSORE ANNAIAH, Mahesh Nayaka | Reliance Jio | 3GPPMEMBER (TSDSI) |
| NAKAMURA, Kazuo | NICT | 3GPPMEMBER (ARIB) |
| NATARAJAN, Rajesh Babu | Nokia Denmark | 3GPPMEMBER (ETSI) |
| NEGALAGULI, Harish | Motorola Solutions Germany | 3GPPMEMBER (ETSI) |
| NORTON, Mark | U.S. Department of Defense | 3GPPMEMBER (ATIS) |
| OETTL, Martin | Nokia Germany | 3GPPMEMBER (ETSI) |
| OPRESCU, Val | AT&T | 3GPPMEMBER (ATIS) |
| PALAT, Sudeep | Intel Corporation (UK) Ltd | 3GPPMEMBER (ETSI) |
| PATEL, Ashish Singh | IIT Delhi | 3GPPMEMBER (TSDSI) |
| PATTAN, Basavaraj (Basu) | Samsung Electronics Co., Ltd | 3GPPMEMBER (TTA) |
| PEINADO, German | Nokia UK | 3GPPMEMBER (ETSI) |
| PESONEN, Tero | Erillisverkot | 3GPPMEMBER (ETSI) |
| PLATZER, Andreas | BDBOS | 3GPPMEMBER (ETSI) |
| POZO, Sergio | Vodafone España SA | 3GPPMEMBER (ETSI) |
| QU, Zhicheng | ZONSON | 3GPPMEMBER (CCSA) |
| RAMAMOORTHY, Arunprasath | BEIJING SAMSUNG TELECOM R&D | 3GPPMEMBER (CCSA) |
| RAMANAN, Sivasubramaniam | HOME OFFICE | 3GPPMEMBER (ETSI) |
| RAMAZANIREND, Elmira | VODAFONE Group Plc | 3GPPMEMBER (ETSI) |
| RAUSCHENBACH, Uwe | Nokia Italy | 3GPPMEMBER (ETSI) |
| RAVINDRAN, Parthasarathi | Nokia Belgium | 3GPPMEMBER (ETSI) |
| REN, Chi | CITC | 3GPPMEMBER (CCSA) |
| RÉTHY, György | Ericsson France S.A.S | 3GPPMEMBER (ETSI) |
| REZAGAH, Roya | Huawei Technologies Sweden AB | 3GPPMEMBER (ETSI) |
| ROMAGUERA, Cristina | Vodafone Telekomünikasyon A.S. | 3GPPMEMBER (ETSI) |
| ROY, Michel | InterDigital, Europe, Ltd. | 3GPPMEMBER (ETSI) |
| SAHA, Anindya | Saankhya Labs | 3GPPMEMBER (TSDSI) |
| SAKAYA, Seiichi | NTT | 3GPPMEMBER (TTC) |
| SÄLLBERG, Krister | Ericsson Inc. | 3GPPMEMBER (ATIS) |
| SANDERS, Peter | one2many B.V. | 3GPPMEMBER (ETSI) |
| SHAH, Sapan | SAMSUNG R&D INSTITUTE JAPAN | 3GPPMEMBER (ARIB) |
| SHAILENDRA, Samar | Intel Technology India Pvt Ltd | 3GPPMEMBER (TSDSI) |
| SHAN, Changhong | Intel China Ltd. | 3GPPMEMBER (CCSA) |
| SHAO, Weixiang | ZTE Corporation. | 3GPPMEMBER (CCSA) |
| SHEN, Yang | Beijing Xiaomi Mobile Software | 3GPPMEMBER (CCSA) |
| SHI, Xiaoyan | Intel Ireland | 3GPPMEMBER (ETSI) |
| SHIFERAW, Yonatan | KPN N.V. | 3GPPMEMBER (ETSI) |
| SHIH, Jerry | AT&T GNS Belgium SPRL | 3GPPMEMBER (ETSI) |
| SOLOWAY, Alan | Qualcomm Incorporated | 3GPPMEMBER (ATIS) |
| SRINIVASAN, Suresh | Intel K.K. | 3GPPMEMBER (ARIB) |
| STARSINIC, Michael | InterDigital France R&D, SAS | 3GPPMEMBER (ETSI) |
| STOJANOVSKI, Saso | Intel Finland Oy | 3GPPMEMBER (ETSI) |
| SU, Zijian | Huawei Tech.(UK) Co.. Ltd | 3GPPMEMBER (ETSI) |
| SUN, Haiyang | HuaWei Technologies Co., Ltd | 3GPPMEMBER (CCSA) |
| SUN, Xiaowen | vivo Mobile Communication (H) | 3GPPMEMBER (CCSA) |
| SUZUKI, Yuji | NTT DOCOMO INC. | 3GPPMEMBER (TTC) |
| TANGUDU, Narendranath Durga | Samsung Guangzhou Mobile R&D | 3GPPMEMBER (CCSA) |
| THALANANY, Sebastian | US Cellular Corporation | 3GPPMEMBER (ATIS) |
| THIEBAUT, Laurent | Nokia France | 3GPPMEMBER (ETSI) |
| TRAKINAT, Jean | T-Mobile USA Inc. | 3GPPMEMBER (ATIS) |
| TSUJIKAWA, Toru | NTT corporation | 3GPPMEMBER (ETSI) |
| VERWEIJ, Kees | Netherlands Police | 3GPPMEMBER (ETSI) |
| VIALEN, Jukka | Airbus | 3GPPMEMBER (ETSI) |
| WANG, Han | HuaWei Technologies Co., Ltd | 3GPPMEMBER (CCSA) |
| WANG, Wen | vivo Mobile Com. (Chongqing) | 3GPPMEMBER (CCSA) |
| WANG, Yaxin | Huawei Technologies (Korea) | 3GPPMEMBER (TTA) |
| WANG, Zhaoning | CUG | 3GPPMEMBER (CCSA) |
| WEI, QUN | Unicom Broadband Online | 3GPPMEMBER (CCSA) |
| WEN, Wu | CALTTA | 3GPPMEMBER (CCSA) |
| WIEHE, Ulrich | Nokia Solutions & Networks (I) | 3GPPMEMBER (TSDSI) |
| WON, Sung Hwan | Nokia Korea | 3GPPMEMBER (TTA) |
| WOODWARD, Tim | Motorola Solutions Danmark A/S | 3GPPMEMBER (ETSI) |
| WU, Deh-Min Richard | Charter Communications, Inc | 3GPPMEMBER (ATIS) |
| WU, Jinhua | Beijing Xiaomi Mobile Software | 3GPPMEMBER (ETSI) |
| WU, weizhi | IPLOOK | 3GPPMEMBER (CCSA) |
| XIE, Shaowei | ZXNE | 3GPPMEMBER (CCSA) |
| XING, TianQi | CU Digital Technology | 3GPPMEMBER (CCSA) |
| XING, Zhen | ZTE Photonics | 3GPPMEMBER (CCSA) |
| XIONG, Chunshan | CICT | 3GPPMEMBER (CCSA) |
| XU, Wenliang | Nanjing Ericsson Panda Com Ltd | 3GPPMEMBER (CCSA) |
| XUE, Kaixin | CBN | 3GPPMEMBER (CCSA) |
| YANG, Yanmei | HiSilicon Technologies Co. Ltd | 3GPPMEMBER (CCSA) |
| YAO, Ge | VSENS | 3GPPMEMBER (CCSA) |
| YAO, Yizhi | Intel Technology Poland SP Zoo | 3GPPMEMBER (ETSI) |
| YI, Haofan | BJTU | 3GPPMEMBER (CCSA) |
| YU, Hang | vivo Communication Technology | 3GPPMEMBER (CCSA) |
| YUAN, Liya | Jetflow | 3GPPMEMBER (CCSA) |
| ZAUS, Robert | Apple GmbH | 3GPPMEMBER (ETSI) |
| ZHANG, Amy | vivo Japan KK | 3GPPMEMBER (ARIB) |
| ZHANG, Pengfei | vivo Mobile Communication (S) | 3GPPMEMBER (CCSA) |
| ZHANG, Yizhong | vivo Mobile Communication Co., | 3GPPMEMBER (CCSA) |
| ZHANG, Zhuoyun | Tencent Cloud | 3GPPMEMBER (CCSA) |
| ZHAO, Shuai | Intel Sweden AB | 3GPPMEMBER (ETSI) |
| ZHENG, Shaowen | China Mobile (Suzhou) Software | 3GPPMEMBER (CCSA) |
| ZHOU, Zhe | China Telecommunications | 3GPPMEMBER (ETSI) |
| ZHU, Chunhui | Beijing Xiaomi Electronics | 3GPPMEMBER (CCSA) |
| ZHU, Fangyuan | Huawei Device Co., Ltd | 3GPPMEMBER (CCSA) |

## Annex I: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Title** | **Start date** | **End date (OP)** | **Town** | **Country** | **Reference** |
| 3GPPSA6#52 | 14/11/2022 | 18/11/2022 | Toulouse | France | S6-52 |
| 3GPPSA6#52-bis-e | 16/01/2023 | 25/01/2023 | Online |  | S6-52-bis-e |
| 3GPPSA6#53 | 27/02/2023 | 03/03/2023 | Athens | Greece | S6-53 |
| 3GPPSA6#54-e | 17/04/2023 | 26/04/2023 | Online |  | S6-54-e |
| 3GPPSA6#55 | 22/05/2023 | 26/05/2023 | TBC | Europe | S6-55 |
| 3GPPSA6#56 | 21/08/2023 | 25/08/2023 | TBC | Europe | S6-56 |
| 3GPPSA6#57 | 09/10/2023 | 18/10/2023 | Online |  | S6-57 |
| 3GPPSA6#58 | 13/11/2023 | 17/11/2023 | TBC | North America | S6-58 |
| 3GPPSA6#59-Adhoc | 22/01/2024 | 31/01/2024 | Online | TBC | S6a-59 |
| 3GPPSA6#59 | 26/02/2024 | 01/03/2024 | Location | TBC | S6-59 |
| 3GPPSA6#60 | 15/04/2024 | 19/04/2024 | Location | TBC | S6-60 |
| 3GPPSA6#61 | 20/05/2024 | 24/05/2024 | Location | TBC | S6-61 |
| 3GPPSA6#62 | 19/08/2024 | 23/08/2024 | Location | TBC | S6-62 |
| 3GPPSA6#63 | 14/10/2024 | 18/10/2024 | Location | TBC | S6-63 |
| 3GPPSA6#64 | 18/11/2024 | 22/11/2024 | Location | TBC | S6-64 |