**3GPP TSG-SA WG6 Meeting #48-e S6-220483**

**e-meeting, 5th – 14th April 2022**

Source: MCC

Title: SA6 Meeting 47-e report

Agenda Item: 3

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*Abstract: Meeting report of 3GPP SA6 meeting #47-e*

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

**Meeting Report  
for  
TSG SA WG6  
meeting: 47-e**

**e-meeting, 14/02/2022 to 22/02/2022**

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## 1 Opening of the meeting

### 1.1 IPR and antitrust policy reminders

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

**IPR Call Reminder:**

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

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

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

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

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

**Antitrust declaration:**

The chair of the meeting made the following antitrust declaration:

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

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

The chair reminded delegates to register for the meeting.

## 2 Agenda and Chair notes

**S6-220001 SA6 Meeting 47-e Agenda**

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

**Abstract:**

Agenda for the SA6#47-e meeting

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

**S6-220003 SA6 Meeting #47-e - Agenda with Tdocs allocation after submission deadline**

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

**Abstract:**

The SA6#47-e meeting agenda with Tdocs allocation after submission deadline

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

**S6-220004 SA6 Meeting #47-e - Agenda with Tdocs allocation at start of the meeting**

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

**Abstract:**

The SA6#47-e meeting agenda with Tdocs allocation at the start of the meeting

**Discussion:**

The meeting reviewed the agenda and some minor changes (re-ordering of documents) taken on board.

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

**S6-220005 SA6 Meeting #47-e - Chairman's notes at end of the meeting**

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

**Abstract:**

Chairman's notes at end of the SA6#47-e meeting

**Decision:** The document was **revised to S6-220481**.

**S6-220481 SA6 Meeting #47-e - Chairman's notes at end of the meeting**

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

(Replaces S6-220005)

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

## 3 Report from previous meetings

**S6-220002 SA6 Meeting 46-e Report**

*Type: report For: Approval  
 Source: MCC*

**Abstract:**

The report of the SA6#46-e meeting.

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

## 4 Liaison statements

### 4.1 Incoming LSs

**S6-220006 Liaison about Publication of Standard MEF 84 Network Slice Service and Attributes**

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

**Abstract:**

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

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

Slicing, Network Slices and Network Services are described. Network Services as defined in this Standard enables Service Providers to offer Network

Slices in the Service Provider domain as Services to Subscribers in the Customer domain. The focus is on the Subscriber visible aspects of the

Service Provider’s internal Network Slices.

MEF Standards are available at: https://www.mef.net/learn/mef-technical-standards-sdks/

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

**S6-220007 Further reply on MBS broadcast service continuity**

*Type: LS in For: Information  
 Original outgoing LS: R2-2111511, to SA2, cc SA4, SA6, RAN3  
 Source: RAN2*

**Abstract:**

1. Overall Description:

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

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

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

2. Actions:

To SA2 group:

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

**Discussion:**

Huawei presented the LS available as S6-220007.

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

**S6-220008 Reply LS on Bearer pre-emption rate limit issue for GBR bearer establishment in MC systems**

*Type: LS in For: Action  
 Original outgoing LS: R3-216196, to SA6, cc RAN, RAN2  
 Source: RAN3*

**Abstract:**

1. Overall Description:

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

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

2. Actions:

To SA6 group.

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

**Discussion:**

Nokia presented the LS available as S6-220008.

Motorola was wondering why SA2 was not copied on this LS.

It was noted there might be some need for further questions in which case SA2 could be copied.

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

**S6-220266 Transferring bearer pre-emption rate limitation information from MME up to the MC AS**

*Type: other For: discussion  
 Source: Nokia*

**Discussion:**

The late document S6-220266 was discussed during the CC#1. The document is related to the incoming LS S6-220008.

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

**S6-220045 LS on MBS Service Area Identity and start procedure for broadcast service**

*Type: LS in For: Information  
 Original outgoing LS: R3-221302, to SA2, cc SA6, RAN2  
 Source: RAN3*

**Abstract:**

1. Overall Description:

RAN3 has discussed the issue on MBS broadcast service continuity and identification, and would like to inform SA2 about our progress as follows:

- To use the term “MBS Service Area ID” to replace the “MBS XXX ID” in the interim until SA2 comes up with final name;

- It is configured via OAM at NG-RAN;

Regarding to the length of MBMS service area ID, RAN3 did not reach an agreement and would like to wait for the conclusion in SA2.

In the meanwhile, RAN3 also discussed on session start procedure for broadcast service and the view of majority is that indication of session start success or failure with cell accuracy is not needed. Instead, RAN3 is of the opinion that a success/failure on a per gNB basis may be sufficient and would like to know the views of SA2.

2. Actions:

To SA WG2 group.

ACTION: RAN3 respectfully requests SA2 to take the above information into consideration and provide feedback if possible.

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

**S6-220009 LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT**

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

**Abstract:**

1 . Overall description

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

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

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

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

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

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

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

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

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

2 . Actions

To 3GPP TSG SA WG6

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

To 3GPP TSG SA WG1

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

**Discussion:**

Chair presented the LS available as S6-220009.

Nokia suggested following what the reply from SA1 will be.

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

**S6-220010 Reply LS to CT3 Questions and Feedback on EVEX**

*Type: LS in For: Information  
 Original outgoing LS: S4-211647, to CT3, cc SA2, SA3, SA6, RAN2  
 Source: SA4*

**Abstract:**

1 . Overall description

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

CT3 observation 1:

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

4.2.8 Event subscription, management and publication

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

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

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

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

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

CT3 observation 2:

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

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

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

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

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

2 . Actions

To CT3

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

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

**Discussion:**

Qualcomm presented the LS available as S6-220010.

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

**S6-220011 Reply LS on maximum number of MBS sessions that can be associated to a PDU session**

*Type: LS in For: Action  
 Original outgoing LS: S2-2109171, to CT1, SA4, SA6, RAN2, cc RAN3  
 Source: SA2*

**Abstract:**

1. Overall Description:

SA2 thanks CT1 for the LS on maximum number of MBS sessions that can be associated to a PDU session. SA2 discussed the LS and would like to provide the following feedback:

currently CT1 assumes that the maximum number of MBS sessions that can be associated to a PDU session is limited to 4

SA2 response:

The Ues can be involved in multiple multicast MBS sessions in parallel, e.g.:

- In MCPTT (Mission Critical Push-To-Talk), the Ues can be involved in multiple group calls;

- In TV services, the Ues can be involved in multiple TV channels together with associated data channels.

Therefore maximum 4 MBS sessions that can be associated to a PDU session is not considered sufficient. To be more flexible and future proof, SA2 is thinking of a value between 8 to 32 to be the maximum number.

As the actual use cases are under the remit of SA4 and SA6, and there are limitations in relevant radio resources, e.g. Number of DRBs per PDU Session, number of MRBs per cell as defined in RAN2, SA2 would also respectfully ask SA4, SA6 and RAN2 to provide feedback on the maximum number of MBS sessions that can be associated to a PDU session.

2. Actions:

To CT1:

ACTION: SA2 kindly asks CT1 to take the above information into account.

To SA4, SA6, RAN2:

ACTION: SA2 kindly asks SA4, SA6 and RAN2 to provide feedback on the maximum number of MBS sessions that can be associated to a PDU session.

**Discussion:**

Ericsson presented the LS available as S6-220011.

Ericsson made the remark that they had a concern about the limitation of 4MBS sessions, and suggested 32.

Qualcomm was of the view that opinions on the limitation of sessions should be submitted and dsicussed in SA2.

**Decision:** The document was **replied to in S6-220262**.

**S6-220013 Reply LS from GSMA Operator Platform Group to 3GPP SA, SA2, SA5, SA6 and ETSI ISG MEC on edge computing definition and integration**

*Type: LS in For: Discussion  
 Original outgoing LS: OPG\_72\_Doc\_04\_LS\_OPG\_ETSI-3GPP-SDO Mapping FINAL, to ETSI ISG MEC, 3GPP SA, SA2, SA5, SA6, cc ETSI ISG NFV  
 Source: GSMA OPG (Operator Platform Group)*

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

**S6-220017 Reply LS from GSMA Operator Platform API Group to 3GPP SA, SA2, SA5, SA6 and ETSI ISG MEC on edge computing definition and integration.**

*Type: LS in For: Discussion  
 Original outgoing LS: OPAG\_04\_Doc\_02\_LS\_OPAG\_ETSI-3GPP-SDO Workshop, to ETSI ISG MEC, 3GPP SA, SA2, SA5, SA6, cc ETSI ISG NFV  
 Source: GSMA Operator Platform API Group*

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

**S6-220120 Further Operator Platform Group questions following SDO Workshop**

*Type: LS in For: Action  
 Original outgoing LS: OPAG 09 Doc 04, to 3GPP SA, SA2, SA5, SA6, cc ETSI ISG MEC, ETSI ISG NFV  
 Source: GSMA OPG (Operator Platform API Group)*

**Discussion:**

Chair presented the LS available as S6-220120.

**Decision:** The document was **replied to in S6-220263**.

**S6-220012 LS on follow-up on EAS definition**

*Type: LS in For: Action  
 Original outgoing LS: S4-211658, to SA6, cc SA2  
 Source: SA4*

**Abstract:**

1 . Overall description

SA4 would like to thank SA6 for their detailed responses to the questions about the EAS definition.

Based on the received answers and upon further discussions, SA4 would like to ask the following follow-up questions:

1. Is a mechanism defined to ensure that sets of related EAS instance(s) offering a service to the Application Client can be executed, discovered and relocated together in cases where this is necessary for the proper operation of the service? Independent discovery and relocation may not address the requirements of certain media services.

2. For managed application context transfer of an EAS instance, is it possible to pass the application context by reference, i.e. for the source EAS instance to store its application context in a shared location, and to share the information needed to access this application context (such as the address, acceptable protocol(s), required security) with the target EAS instance via the source EES and target EES?

SA4 would like to kindly request SA6 to provide their insight on the above issues, which SA4 considers useful for application context relocation.

2 . Actions

To SA6

ACTION: SA4 kindly asks SA6 to consider and address the above follow-up questions.

**Discussion:**

Qualcomm presented the LS available as S6-220012.

**Decision:** The document was **replied to in S6-220264**.

**S6-220014 LS on Identification of ACRs**

*Type: LS in For: Action  
 Original outgoing LS: C1-217117, to SA6, cc CT3  
 Source: CT1*

**Abstract:**

1 . Overall description

CT1 would like to provide the following information with regards to the work on Application Context Relocation (ACR) functionality in order to develop the stage 3 design details:

In CT1 understanding, the EEC cannot uniquely identify a related ACR if multiple ACRs are requested, and therefore in case of simultaneous ongoing ACRs, the receiver of an ACR notification, e.g., the ACR complete notification, or target information notification, cannot distinguish the corresponding ACR. CT1 would like to ask SA6 how to uniquely identify ACRs?

2 . Actions

To 3GPP SA WG6

ACTION: CT1 kindly asks SA6 to provide answer to enquire outlined above.

**Discussion:**

Huawei presented the LS available as S6-220014.

**Decision:** The document was **replied to in S6-220222**.

**S6-220042 LS on clarifications to the Application Context Relocation (ACR) functionality**

*Type: LS in For: Action  
 Original outgoing LS: C3-220405, to SA6, cc CT1  
 Source: CT3*

**Abstract:**

1 . Overall description

As part of the ACR functionality, CT3 noticed that in the ACR status update request defined in clause 8.8.4.19 of 3GPP TS 23.558, it is not clear how the T-EES can determine to which EEC context(s) the request is related. Indeed:

- The EAS ID and AC ID are not unique as multiple ACT (or ACR) can be ongoing with the same EAS ID and AC ID (e.g. for different Ues).

- The connection of these messages to a particular EEC context thus cannot be determined by the EES.

Therefore, CT3 would like to ask SA6 for further clarifications on this point:

- Upon receiving an ACR status update for ACR failure (e.g. cancellation), how can the T-EES determine which EEC context(s) should be cancelled?

2. Actions

To 3GPP SA WG6

ACTION: CT3 kindly ask SA6 to provide answers/clarifications to the above point in order to enable to progress on the related ACR work.

**Discussion:**

Huawei presented the LS available as S6-220042.

**Decision:** The document was **replied to in S6-220223**.

**S6-220043 LS on Enquires on Application Context Relocation (ACR) functionality**

*Type: LS in For: Action  
 Original outgoing LS: C1-220853, C3-220481, to SA6, cc -  
 Source: CT1, CT3*

**Abstract:**

1 . Overall description

CT1 and CT3 would like to provide the following information with regards to the work on Application Context Relocation (ACR) functionality in order to develop the stage 3 design details:

(1) Stage 2 describes the need of a notification from the EES to the EAS to inform the EAS about the need for initiating or cancelling application context transfer (ACT) from the S-EAS to the T-EAS; CT3 and CT1 would like to know how does the EAS subscribe for such notifications and how does the EES notify the EAS about such events?

(2) The ACR response message has all parameters optional, and an update seems required to convey the result.

(3) For the ACR request message, the UE identifier information element is optional. How does the EES understand for which UE or which EEC is an ACR request message?

Therefore, CT1 and CT3 ask SA6 to provide their view on the above.

2 . Actions

To 3GPP SA WG6

ACTION: CT1 and CT3 kindly ask SA6 to provide answers to enquires outlined above in order to progress on the ACR work.

**Discussion:**

Huawei presented the LS available as S6-220043.

**Decision:** The document was **replied to in S6-220221**.

**S6-220044 LS on ECS provider identification in ECS address provisioning**

*Type: LS in For: Action  
 Original outgoing LS: C1-220854, to SA6, cc SA2, CT3  
 Source: CT1*

**Abstract:**

1 . Overall description

CT1 while working on stage-3 protocol implementation of the ECS Address Configuration Information provisioning to the UE (over PCO with Session Management procedures) has identified the following conflict on stage-2 specifications:

1. TS 23.548 Subclause 6.5.2.1 states in that ECS Address Configuration Information always contains an ECS provider ID:

"The ECS Address Configuration Information consists of one or more FQDN(s) and/or IP address(es) of Edge Configuration Server(s), and of an ECS Provider ID. It may be associated with spatial validity conditions. It is further described in TS 23.502 [3]. A UE may receive multiple instances of ECS Address Provisioning information (e.g. corresponding to different ECS Provider ID)."

2. TS 23.558 Table 8.3.2.1-1: ECS configuration information indicates the ECS Provider ID as optional

Table 8.3.2.1-1: ECS configuration information

Information element Status Description

ECS address M One or more endpoint information (e.g. URI(s), FQDN(s), IP address(es)) of ECS(s)

ECS Provider Identifier O The identifier of the ECSP that provides the ECS.

If the same PDU session is used by/for multiple ECS providers, the UE (EEC) needs to be able to identify the ECS provider that each provisioned address corresponds to.

CT1 would like to ask SA6 how is it ensured that the UE(EEC) can identify the ECS provider to be associated with each received ECS address, when the same PDU session is used by/for multiple ECS providers.

2. Actions

To SA6, SA2

ACTION: CT1 kindly asks SA6 to provide answers to the question above and, if needed, to coordinate with SA2 to align their specifications on ECS address information.

**Discussion:**

Nokia presented the LS available as S6-220044.

(S6-220089 with another reply proposal was merged to the S6-220076)

**Decision:** The document was **replied to in S6-220076**.

**S6-220047 Reply LS on slicing management aspects in relation to SEAL**

*Type: LS in For: Action  
 Original outgoing LS: S5-221548, to SA6, cc SA, SA2  
 Source: SA5*

**Abstract:**

1. Overall Description:

SA5 would like to thank SA6 for their LS on slicing management aspects in relation to SEAL.

SA5 provides the following feedback on the SA6 LS:

• Views of SA5 about the exposure of slicing management aspects to SEAL (Service Enabler Architecture Layer for Verticals - TS 23.434) as a means to address requirements from third party applications

1) The 3GPP exposure governance management function is defined as “Management Function entity with the role of management service exposure governance” in clause 3.1 of TS 28.533. TS 28.533, provides an informative annex A.3 which gives an example of utilization of management services by EGMF. 3GPP MnS consumers may be in the Network Operator (NOP) domain or outside the NOP domain (e.g. in the Vertical domain).

2) 3GPP SA5 is responsible for the specification of the 5G Management and Charging Services, as well as for the specification of the access control and exposure of 5G management services.

3) To fulfil the management capabilities exposure requirements from third party applications which are outside the NOP domain, SA5 management capability exposure governance feature (see TS 28.533) exposes management capabilities to external third party applications acting as AF defined in TS 23.501.

4) It is specified in TS 28.202 the Converged Charging System (CCS) support to Network Slice Management Charging.

• Views of SA5 about interactions with ongoing work in SA5, in particular

1) Exposure of management capability in the context of non-public networks (see draft TS 28.557 WI OAM-NPN 870023) is about the consumption of management services provided by an NPN-SP (NPN Service Provider) to an NPN-SC (NPN Service consumer), where the NPN-SC maybe be viewed as an external third party.

2) FS\_MNSAC is about access control of an internal or external consumer that wants to access the management services (MnS) provided by an MnS producer.

3) SA5 is currently initiating a Rel-18 study phase for network slice capability exposure (Revised SID S5-221740 pending for SA#95 approval). The study will discuss how SA5 management capability can be exposed to an external consumer and controlled by SA5 access control mechanism.

• SA5 agrees with SA6 as the highlighted need to coordinate with each other WG to avoid overlapping specifications and ensure complementary approaches.

2. Actions:

To SA6 group:

ACTION: SA5 respectfully requests SA6 to take this information into account.

**Discussion:**

Huawei presented the LS available as S6-220047.

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

**S6-220048 Reply LS on network slice management service consumption**

*Type: LS in For: Action  
 Original outgoing LS: S5-221560, to SA6, cc SA2  
 Source: SA5*

**Abstract:**

1 . Overall description

SA5 thanks SA6 for the liaison and would like to inform SA6 that SA5 is currently in the Rel-18 study phase for network slice capability exposure (Revised SID S5-221740 pending for SA#95 approval). The study will discuss how management capability can be exposed to an external consumer and controlled by an access control mechanism.

SA5 will keep SA6 informed about the progress of this Rel-18 study.

2 . Actions

To 3GPP SA6

ACTION:

• Please take the above information into consideration.

**Discussion:**

Huawei presented the LS available as S6-220048.

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

**S6-220015 Reply LS on Prioritized Vehicle to Cloud Technical Solutions (Automotive Edge Computing Consortium (AECC))**

*Type: LS in For: Information  
 Original outgoing LS: S5-216412, to Automotive Edge Computing Consortium (AECC), cc SA, SA1, SA2, SA6  
 Source: SA5*

**Abstract:**

1. Overall description

SA5 would like to thank Automotive Edge Computing Consortium (AECC) for the LS about Prioritized Vehicle to Cloud Technical Solutions.

SA5 is currently responsible for:

- Management and Orchestration, which covers aspects such as operation, assurance, fulfillment and automation, including management interaction with entities external to the network operator (e.g. verticals).

- Charging, which covers aspects such as Quota Management and Charging Data Records (CDRs) generation, related to end-user and service-provider.

The following Rel-17 work items (normative) / study items (non-normative) may be of interest to you:

WI/SI and related specifications

Management of non-public networks TS 28.557

Enhancement on Management Aspects of 5G Service-Level Agreement TS 28.531/28.541

Management of the enhanced tenant concept TS28.531 / 28.532 / 28.533 / 28.541

network slice provisioning enhancement TS 28.531 / 28.541

Enhancements of 5G performance measurements and KPIs TS 28.552 / 28.554

Enhancements of Management Data Analytics Service TS 28.104

Edge Computing Management TS 28.538

Study on management aspects of network slice management capability exposure TR 28.824

All documents are available at: https://www.3gpp.org/DynaReport/TSG-WG--S5.htm

SA5 is looking forward to further information exchange with AECC if needed.

2 . Actions

To <AECC>

ACTION: SA5 kindly asks AECC to take the above information into consideration.

**Discussion:**

Huawei presented the LS available as S6-220015.

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

**S6-220016 Reply LS on 3GPP SA1 clarifications on problematic UAV**

*Type: LS in For: Action  
 Original outgoing LS: S1-214238, to GSMA-ACJA, SA2, SA6, cc SA3  
 Source: SA1*

**Abstract:**

1. Overall description

SA1 thanks ACJA and SA2 for their liaisons.

SA1 has discussed the questions around the 22.125 requirement [R-5.1-017], related to UTM detection of problematic UAVs and possible target scenarios (as indicated by ACJA), concluding that

- there are different views and understanding on which scenarios should be applicable or not

- the topic would require more investigation, and maybe further studied in future releases

As such, SA1 have agreed a 22.125 CR, attached to this LS, clarifying that the applicability of the existing requirement should be considered FFS (for further study).

2. Actions

To ACJA, SA2, SA6:

ACTION: SA1 asks ACJA, SA2, and SA6 to take the above into account.

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

**S6-220018 LS on Energy Efficiency as guiding principle for new solutions**

*Type: LS in For: Action  
 Original outgoing LS: SP-211621, to 3GPP RAN, RAN1, RAN2, RAN3, RAN4, RAN5, CT, CT1, CT3, CT4, CT6, SA1, SA2, SA3, SA4, SA5, SA6., cc -  
 Source: SA*

**Abstract:**

1 . Overall description

3GPP has addressed the topic of EE (Energy Efficiency) for several 3GPP releases. For instance, TSG SA has undertaken studies at TSG SA level and in some of its WGs. Similarly, TSG RAN has addressed the topic quite extensively in various studies and is also soon engaging in additional work on the subject in Rel-18.

The EE-specific efforts so far undertaken e.g., in SA5 have aimed mostly at improving the energy efficiency by impacting the operations of the system. As we now are starting to specify the 5G-Advanced features, TSG SA kindly requests the recipient WGs and TSGs to consider EE even more as a guiding principle when developing new solutions and evolving the 3GPP systems specification, in addition to the other established principles of 3GPP system design.

TSG SA clarifies that in addition to EE, other system level criteria shall continue to be met (i.e. The energy efficiency aspects of a solution defined in 3GPP is not to be interpreted to take priority or to be alternative to security, privacy, complexity etc. and to meeting the requirements and performance targets of the specific feature(s) the solution addresses).

This guiding principle complements the continued importance of work specifically dedicated to Energy efficiency (e.g., work aiming at improving the energy efficiency by impacting the operations of the system, as for instance work in [1],[2],[3],[4])..

References

[1] 3GPP TR 21.866, "Study on Energy Efficiency Aspects of 3GPP Standards".

[2] 3GPP TS 28.310, "Management and orchestration; Energy efficiency of 5G"

[3] 3GPP TS 28.552, "Management and orchestration; 5G performance measurements"

[4] 3GPP TS 28.554, "Management and orchestration; 5G end to end Key Performance Indicators (KPI)"

2. Actions

To: TSG RAN, TSG CT, TSG SA WG1, TSG SA WG2, TSG SA WG3, TSG SA WG4, TSG SA WG5, TSG SA WG6, TSG RAN WG1, TSG RAN WG2, TSG RAN WG3, TSG RAN WG4, TSG RAN WG5, TSG CT WG1, TSG CT WG3, TSG CT WG4, TSG CT WG6

ACTION: 3GPP SA kindly requests to take the above principles into consideration.

**Discussion:**

The chair presented the LS available as S6-220018.

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

**S6-220046 Reply LS on energy efficiency as guiding principle for new solutions**

*Type: LS in For: Action  
 Original outgoing LS: S5-221501, to SA, cc TSG RAN, RAN1, RAN2, RAN3, RAN4, RAN5, TSG CT, CT1, CT3, CT4, CT6, SA1, SA2, SA3, SA4, SA6  
 Source: SA5*

**Abstract:**

1. Overall Description:

3GPP SA5 would like to thank TSG SA for your LS on energy efficiency as guiding principle for new solutions.

3GPP SA5 would also like to inform TSG SA that we will initiate our Release 18 work on energy efficiency and energy saving in 5G networks at SA5#142e. In relation to your LS on Energy Efficiency as guiding principle for new solutions, amongst many objectives, our Rel-18 work on EE aims to investigate on digital sobriety applied to 3GPP SA5 OA&M solutions. Given that a) the cheapest energy is the energy which is not used and b) the energy consumed by network elements / network functions has some dependency on data or signaling volumes processed and/or transported and/or stored by the network elements / network functions, we aim to:

• study which forms digital sobriety could take in SA5, e.g. by minimizing the volume of OA&M data (number and type of operation parameters, input data to MDAF (Management Data Analytics Function), etc.) to be processed and/or transported and/or stored,

• study if any metrics can be defined so as to compare different alternative solutions with regards to digital sobriety.

Reference documents are:

o SP-211440 (New Study on new aspects of EE for 5G networks Phase 2). Available at: https://portal.3gpp.org/ngppapp/TdocList.aspx?meetingId=60223

o SP-211441 (New WID on Enhancements of EE for 5G Phase 2). Available at: https://portal.3gpp.org/ngppapp/TdocList.aspx?meetingId=60223

2. Actions:

To TSG SA, TSG RAN, TSG CT, TSG SA WG1, TSG SA WG2, TSG SA WG3, TSG SA WG4, TSG SA WG6, TSG RAN WG1, TSG RAN WG2, TSG RAN WG3, TSG RAN WG4, TSG RAN WG5, TSG CT WG1, TSG CT WG3, TSG CT WG4, TSG CT WG6: please take the above information into account.

**Discussion:**

The chair presented the LS available as S6-220046.

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

### 4.2 Outgoing LSs

**S6-220076 Reply LS on ECS provider identification in ECS address provisioning**

*Type: LS out For: Agreement  
 to CT1, cc SA2, CT3, CT4  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

ECS provider identification in ECS address provisioning

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

**S6-220089 LS Reply on ECS provider identification in ECS address provisioning**

*Type: LS out For: Agreement  
 to To: CT1, cc SA2, CT3, CT4  
 Source: vivo*

**Discussion:**

Merged in Tdoc S6-220076 which in the end was postponed.

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

**S6-220201 LS on FS\_eEDGEAPP Solution for Support of Roaming UEs**

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

**Discussion:**

The meeting discussed the draft S6-220201 rev1.

Qualcomm did not see a particular need for an LS.

Huawei suggested removing any action to CT1 and include as CC only.

Qualcomm further suggested to reduce the text of the LS, not to elude any action towards CT1.

**Decision:** The document was **revised to S6-220283**.

**S6-220283 LS on FS\_eEDGEAPP Solution for Support of Roaming UEs**

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

(Replaces S6-220201)

**Discussion:**

Draft S6-220283 rev1 was confirmed ok during the CC.

**Decision:** The document was **revised to S6-220429**.

**S6-220429 LS on FS\_eEDGEAPP Solution for Support of Roaming UEs**

*Type: LS out For: Approval  
 to SA2, cc CT1, CT4  
 Source: SA6*

(Replaces S6-220283)

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

**S6-220221 Reply LS on Enquires on Application Context Relocation (ACR) functionality**

*Type: LS out For: Approval  
 to CT1, CT3  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Reply LS on Enquires on Application Context Relocation (ACR) functionality

**Decision:** The document was **revised to S6-220385**.

**S6-220385 Reply LS on Enquires on Application Context Relocation (ACR) functionality**

*Type: LS out For: Approval  
 to CT1, CT3  
 Source: Huawei, Hisilicon*

(Replaces S6-220221)

**Decision:** The document was **revised to S6-220431**.

**S6-220431 Reply LS on Enquires on Application Context Relocation (ACR) functionality**

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

(Replaces S6-220385)

**Discussion:**

Draft S6-220385 rev 1 content plus replacing attachment ref. “382r1” with “430”.

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

**S6-220222 Reply LS on Identification of ACRs**

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

**Abstract:**

Proposal for Reply LS on Identification of ACRs

**Decision:** The document was **revised to S6-220386**.

**S6-220386 Reply LS on Identification of ACRs**

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

(Replaces S6-220222)

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

**S6-220223 Reply LS on clarifications to the Application Context Relocation (ACR) functionality**

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

**Abstract:**

Proposal for Reply LS on clarifications to the Application Context Relocation (ACR) functionality

**Decision:** The document was **revised to S6-220387**.

**S6-220387 Reply LS on clarifications to the Application Context Relocation (ACR) functionality**

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

(Replaces S6-220223)

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

**S6-220262 Reply LS on maximum number of MBS sessions that can be associated to a PDU session**

*Type: LS out For: Approval  
 to SA2, cc CT1, SA4, SA6, RAN2, RAN3  
 Source: SA6*

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

**S6-220263 Reply LS on further Operator Platform Group questions following SDO Workshop**

*Type: LS out For: Approval  
 to SA, cc SA2, SA3, SA5  
 Source: Samsung*

**Discussion:**

Samsung presented a draft proposal for LS as S6-220263.

**Decision:** The document was **revised to S6-220432**.

**S6-220432 Reply LS on further Operator Platform Group questions following SDO Workshop**

*Type: LS out For: Approval  
 to SA, cc SA2, SA3, SA5  
 Source: SA6*

(Replaces S6-220263)

**Discussion:**

Contents of draft S6-220263 rev1.

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

**S6-220264 Reply LS on follow-up on EAS definition**

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

**Discussion:**

Qualcomm presented a draft proposal for LS as S6-220264.

**Decision:** The document was **revised to S6-220351**.

**S6-220351 Reply LS on follow-up on EAS definition**

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

(Replaces S6-220264)

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

**S6-220265 Reply LS on Prioritized Vehicle to Cloud Technical Solutions (Automotive Edge Computing Consortium (AECC))**

*Type: LS out For: Approval  
 to AECC, cc SA, SA1, SA2, SA5  
 Source: SA6*

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

**S6-220354 Reply LS on Prioritized Vehicle to Cloud Technical Solutions (Automotive Edge Computing Consortium (AECC))**

*Type: LS out For: Approval  
 to AECC, cc SA, SA1, SA2, SA5  
 Source: SA6*

**Discussion:**

Initially reserved as a revision for S6-220265, however the S6-220265 was finally approved.

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

**S6-220371 Withdrawn**

*Type: LS out For: Approval  
 to SA; Cc: SA2, SA3, SA5  
 Source: SA6*

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

## 5 Items for early consideration

### 5.1 Working Agreements / Technical Votes

None

### 5.2 SA6 Chair Elections

The noted that the was only one candidate registered for the chair position.

The present chair Suresh Chitturi also asked the meeting whether there were any further candidates wishing to present themselves for the chair election. **With no further candidates for the chair position Alan Soloway represetning Qualcomm was unanomsously elected s the new chair by acclamation.**

It was noted that an election will be arranged to fill the now vacant vice chair position.

### 5.3 Others

None

## 6 Rel-16 Work Items

**S6-220041 Correction of Enhanced Status description**

*Type: CR For: Agreement  
 23.283 v16.6.0 CR-0060 Cat: F (Rel-16)  
  
 Source: Sepura Ltd*

**Abstract:**

CR 23.283 0059 introduced Enhanced Status into Rel-17 for interworking. There is a FASMO situation in that an IWF needs to be able to correctly process emergency status messages received from the LMR side and so that Rel-17 CR should have been a mirror to

**Decision:** The document was **revised to S6-220282**.

**S6-220282 Correction of Enhanced Status description**

*Type: CR For: Agreement  
 23.283 v16.6.0 CR-0060 rev 1 Cat: F (Rel-16)  
  
 Source: Sepura Ltd*

(Replaces S6-220041)

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

## 7 Rel-17 Work Items

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

None

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

None

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

**S6-220112 Add Geographic area to user profile configuration data**

*Type: CR For: (not specified)  
 23.379 v17.9.0 CR-0305 Cat: F (Rel-17)  
  
 Source: TD Tech Ltd*

**Abstract:**

Propoosal for adding Geographic area to Table A.3-2: MCPTT user profile data (on network)

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

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

None

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

None

### 7.6 EDGEAPP - Architecture for enabling Edge Applications

**S6-220029 Selected T-EAS declaration procedure corrections**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0075 Cat: F (Rel-17)  
  
 Source: VODAFONE Group Plc*

**Abstract:**

The existing text contains various errors and the present CR, proposes adding missing failure response to T-EAS declaration, EES context push step added, T-EES information included when required.

**Decision:** The document was **revised to S6-220280**.

**S6-220280 Selected T-EAS declaration procedure corrections**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0075 rev 1 Cat: F (Rel-17)  
  
 Source: VODAFONE Group Plc*

(Replaces S6-220029)

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

**S6-220075 ECS provider ID correction**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0076 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Removal of optionality of ECS provider ID to align with SA2 specs.

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

**S6-220087 A UE capability to identify ECS address providers**

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

**Abstract:**

Proppsoal adding new UE capability to understand the ECS provider, and UE can deliver the ECS address to specific EEC according to ECS provider in ECS configuration information. Set the ECS Provider ID should be set as mandatory parameters in ECS configur

**Decision:** The document was **revised to S6-220372**.

**S6-220372 EEC capability to identify ECS address**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0077 rev 1 Cat: F (Rel-17)  
  
 Source: vivo*

(Replaces S6-220087)

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

**S6-220088 Discussion paper: A UE capability to identify ECS address providers**

*Type: discussion For: Discussion  
 23.558 v..  
 Source: vivo*

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

**S6-220128 Solve the EN about ECS configuration information**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0078 Cat: F (Rel-17)  
  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

The EN about the Information Elements of ECS configuration information could be solved, since TS 23.502 has already describe the Subscription provided ECS Address Configuration Information in table 4.15.6.3d-1, and AF provided ECS Address Configuration In

**Decision:** The document was **revised to S6-220317**.

**S6-220317 Solve the EN about ECS configuration information**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0078 rev 1 Cat: F (Rel-17)  
  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220128)

**Discussion:**

The draft S6-220317 rev 3 was disucssed during the closing call.

Huawei wished reinstating the note 1.

Ericsson was of the view the note was not clear.

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

**S6-220152 Fix consistency issue**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0079 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The present CR proposes addressing several inconsistencies in the specification like:

- adding missing function description for EDGE-1.

- removing duplicated info in bullet e for EDGE-3 (covered by bullet d QoS related info).

- adding missing function

**Decision:** The document was **revised to S6-220292**.

**S6-220292 Fix consistency issue**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0079 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S6-220152)

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

**S6-220153 Remove ACR example in UE ID API**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0080 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The CR proposes removing the ACR example from 8.6.5.3.2. Leaving only the IP address as typical example within EAS knowledge.

**Decision:** The document was **revised to S6-220288**.

**S6-220288 Remove ACR example in UE ID API**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0080 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S6-220153)

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

**S6-220154 Solve ACR API inconsistency**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0081 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The present CR proposes correcting inconsistency in the stage 2 TS on service API design, in summary:

- separate Eees\_AppContextRelocation with EAS consumer in a standalone service API and

- update condition for providing S-EAS endpoint in ACR request m

**Decision:** The document was **revised to S6-220293**.

**S6-220293 Solve ACR API inconsistency**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0081 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S6-220154)

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

**S6-220155 Solve EN for ACR co-existence**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0082 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Summary of Change: Describe the general principle in handling parallel ACR.

**Decision:** The document was **revised to S6-220290**.

**S6-220290 Solve EN for ACR co-existence**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0082 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S6-220155)

**Discussion:**

Draft 6-220290 rev 2 was dsicussed during CC.

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

**S6-220184 Implicit registration handling in service continuity**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0083 Cat: F (Rel-17)  
  
 Source: Samsung*

**Abstract:**

The CR proposes

- adding implicit registration flag in the EEC Context push relocation procedure to indicate T-EES to perfrom implicit registration and

- if implict registration is successful, then T-EES will inform registration ID and the registration

**Decision:** The document was **revised to S6-220366**.

**S6-220366 Implicit registration handling in service continuity**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0083 rev 1 Cat: F (Rel-17)  
  
 Source: Samsung*

(Replaces S6-220184)

**Discussion:**

The draft S6-220366 rev 1 was discussed during the CC.

Huawei did not agree with the proposal.

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

**S6-220190 Service Provisioning correction**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0084 Cat: F (Rel-17)  
  
 Source: Convida Wireless LLC*

**Abstract:**

The present CR proposes removing the EAS IDs list from the EDN configuration information table (clause 8.3.3.3.3).

**Decision:** The document was **revised to S6-220341**.

**S6-220341 Service Provisioning correction**

*Type: CR For: Approval  
 23.558 v17.2.0 CR-0084 rev 1 Cat: F (Rel-17)  
  
 Source: Convida Wireless LLC*

(Replaces S6-220190)

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

**S6-220216 Stage 3 identified issues for EDGEAPP**

*Type: discussion For: Discussion  
 23.558 v..  
 Source: Huawei, Hisilicon*

**Abstract:**

Discussion paper on Stage 3 identified issues for EDGEAPP

**Discussion:**

Huawei presented the document S6-220216 during CC#3.

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

**S6-220217 Adding missing events for ACR notifications**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0085 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Adding missing events for ACR notifications

**Decision:** The document was **revised to S6-220382**.

**S6-220382 Adding missing events for ACR notifications**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0085 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220217)

**Decision:** The document was **revised to S6-220430**.

**S6-220430 Adding missing events for ACR notifications**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0085 rev 2 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220382)

**Discussion:**

Contents of draft S6-220382 rev 1.

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

**S6-220218 Correction of ACR request and response messages**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0086 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction of ACR request and response messages

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

**S6-220219 Unique identification in ACR procedures**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0087 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Unique identification in ACR procedures

**Decision:** The document was **revised to S6-220383**.

**S6-220383 Unique identification in ACR procedures**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0087 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220219)

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

**S6-220220 Unique identification of the EEC context in ACR procedures**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0088 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Unique identification of the EEC context in ACR procedures

**Decision:** The document was **revised to S6-220384**.

**S6-220384 Unique identification of the EEC context in ACR procedures**

*Type: CR For: Agreement  
 23.558 v17.2.0 CR-0088 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220220)

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

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

None

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

**S6-220225 Corrections for operations of C2 communication mode switching**

*Type: CR For: Agreement  
 23.255 v17.2.0 CR-0024 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Corrections for operations of C2 communication mode switching

**Decision:** The document was **revised to S6-220389**.

**S6-220389 Corrections for operations of C2 communication mode switching**

*Type: CR For: Agreement  
 23.255 v17.2.0 CR-0024 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220225)

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

**S6-220226 Correction for realtime UAV status**

*Type: CR For: Agreement  
 23.255 v17.2.0 CR-0025 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction for realtime UAV status

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

None

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

**S6-220143 Removal of Gate Control EN**

*Type: CR For: Approval  
 23.434 v17.4.0 CR-0088 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Abstract:**

The gate control parameters for hold and forward buffering have been specified in TS 23.501. The present CR proposes deleting the gate control EN.

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

**S6-220156 Clarify the VAL UE ID**

*Type: CR For: Approval  
 23.434 v17.4.0 CR-0089 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The present CR proposes

- adding mapping from VAL user id to VAL UE id.

- adding GPSI as one of the forms of VAL UE ID and describe VAL UE ID usage for accessing SEAL services,

- removing the GPSI example in clause 9.3.12.1.

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

**S6-220157 Correct TSC stream availability discovery**

*Type: CR For: Approval  
 23.434 v17.4.0 CR-0090 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The present CR proposes describing that the NRM server provides the E2E delay to VAL server in step 2 of cl.14.3.7.2.

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

**S6-220165 Correct QoS monitoring service**

*Type: CR For: Approval  
 23.434 v17.4.0 CR-0092 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The present CR proposes:

- aligning the examples of monitoring requirements,

- changing presence condition for QoS monitoring target,

- adding “DN Performance Analytic” for NRM server interaction with NEF,

- clarifying how the NRM server aggegates the

**Decision:** The document was **revised to S6-220289**.

**S6-220289 Correct QoS monitoring service**

*Type: CR For: Approval  
 23.434 v17.4.0 CR-0092 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S6-220165)

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

**S6-220176 Correct TSC stream availability discovery**

*Type: CR For: (not specified)  
 23.434 v17.4.0 CR-0093 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

The present CR proposes describing that the NRM server determines the E2E delay to VAL server in step 2 of clause 14.3.7.2.

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

**S6-220224 Correction to clarify about sharing location information across VAL servers**

*Type: CR For: Agreement  
 23.434 v17.4.0 CR-0094 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to clarify about sharing location information across VAL servers

**Decision:** The document was **revised to S6-220388**.

**S6-220388 Correction to clarify about sharing location information across VAL servers**

*Type: CR For: Agreement  
 23.434 v17.4.0 CR-0094 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220224)

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

### 7.10 5GMARCH - Application Architecture for MSGin5G Service

**S6-220129 Correction on Message Segment Recovery**

*Type: CR For: Approval  
 23.554 v17.1.0 CR-0021 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Firstly, Point-to-Point message should support MSGin5G Message Segment Recovery flow ;

Secondly, the description should be corrected in clause 8.5.6 and align with the figure steps (figure 8.5.6-1).

**Decision:** The document was **revised to S6-220362**.

**S6-220362 Correction on Message Segment Recovery**

*Type: CR For: Approval  
 23.554 v17.1.0 CR-0021 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220129)

**Decision:** The document was **revised to S6-220433**.

**S6-220433 Correction on Message Segment Recovery**

*Type: CR For: Approval  
 23.554 v17.1.0 CR-0021 rev 2 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220362)

**Discussion:**

Contents of draft S6-220362 rev 1.

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

**S6-220130 Correction on Point-to-Point Message Segmentation and Reassembly**

*Type: CR For: Approval  
 23.554 v17.1.0 CR-0022 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for including a recovery step in MSGin5G message segmentation and reassembly procedure.

**Decision:** The document was **revised to S6-220363**.

**S6-220363 Correction on Point-to-Point Message Segmentation and Reassembly**

*Type: CR For: Approval  
 23.554 v17.1.0 CR-0022 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220130)

**Decision:** The document was **revised to S6-220434**.

**S6-220434 Correction on Point-to-Point Message Segmentation and Reassembly**

*Type: CR For: Approval  
 23.554 v17.1.0 CR-0022 rev 2 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220363)

**Discussion:**

Contents of draft S6-220363 rev 1.

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

**S6-220131 Correction on Usage of Network Capabilities**

*Type: CR For: Approval  
 23.554 v17.1.0 CR-0023 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal adding references for T8/N33 where they first appear.

**Decision:** The document was **revised to S6-220435**.

**S6-220435 Correction on Usage of Network Capabilities**

*Type: CR For: Approval  
 23.554 v17.1.0 CR-0023 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220131)

**Discussion:**

Contents of draft S6-220131 rev 1.

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

**S6-220132 Editoral corrections**

*Type: CR For: Approval  
 23.554 v17.1.0 CR-0024 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal to correct a number of editorial errors.

**Decision:** The document was **revised to S6-220436**.

**S6-220436 Editoral corrections**

*Type: CR For: Approval  
 23.554 v17.1.0 CR-0024 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220132)

**Discussion:**

Contents of draft S6-220132 rev 1.

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

**S6-220135 Correction the last step of Segmentation and Reassembly**

*Type: CR For: Approval  
 23.554 v17.1.0 CR-0025 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal to delete notification of receiving failed message to Application Clientas superfluous.

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

**S6-220174 Clarification on clause 5.3.3 functional entity of MSGin5G Client**

*Type: CR For: Agreement  
 23.554 v17.1.0 CR-0026 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

The present CR proposes clarification on functional entity of MSGin5G Client in the constrained device scenario.

**Decision:** The document was **revised to S6-220318**.

**S6-220318 Clarification on clause 5.3.3 functional entity of MSGin5G Client**

*Type: CR For: Agreement  
 23.554 v17.1.0 CR-0026 rev 1 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-220174)

**Decision:** The document was **revised to S6-220437**.

**S6-220437 Clarification on clause 5.3.3 functional entity of MSGin5G Client**

*Type: CR For: Agreement  
 23.554 v17.1.0 CR-0026 rev 2 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-220318)

**Discussion:**

Contents of draft S6-220318 rev 1.

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

**S6-220175 correction on clause 8.8 Other MSGin5G messaging related procedures**

*Type: CR For: Agreement  
 23.554 v17.1.0 CR-0027 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

Two different procedures for Messaging Topic unsubscription are specified. The present CR proposes clarification on how to choose the procedure.

**Decision:** The document was **revised to S6-220319**.

**S6-220319 correction on clause 8.8 Other MSGin5G messaging related procedures**

*Type: CR For: Agreement  
 23.554 v17.1.0 CR-0027 rev 1 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-220175)

**Decision:** The document was **revised to S6-220438**.

**S6-220438 correction on clause 8.8 Other MSGin5G messaging related procedures**

*Type: CR For: Agreement  
 23.554 v17.1.0 CR-0027 rev 2 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-220319)

**Discussion:**

Contents of draft S6-220319 rev 1.

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

**S6-220177 Clarification and correction on clause 8.11 Constrained devices**

*Type: CR For: Agreement  
 23.554 v17.1.0 CR-0028 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Abstract:**

The text of 8.11 is not very clair since two architectural choices for constrained device is mentioned in clause 5, but only the procedure in MSGin5G-5 reference point is mentioned in clause 8.11.

The present CR proposes clarification and correction to th

**Decision:** The document was **revised to S6-220320**.

**S6-220320 Clarification and correction on clause 8.11 Constrained devices**

*Type: CR For: Agreement  
 23.554 v17.1.0 CR-0028 rev 1 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-220177)

**Discussion:**

The draft S6-220320 rev 3 was discussed during the CC.

**Decision:** The document was **revised to S6-220439**.

**S6-220439 Clarification and correction on clause 8.11 Constrained devices**

*Type: CR For: Agreement  
 23.554 v17.1.0 CR-0028 rev 2 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-220320)

**Discussion:**

Contents in draft S6-220320 Rev 3 with clauses affected corrected (clause# 8.3.3 missing).

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

**S6-220187 Definitions of Gateway UE and Relay UE**

*Type: CR For: Agreement  
 23.554 v17.1.0 CR-0029 Cat: F (Rel-17)  
  
 Source: Samsung*

**Abstract:**

The CR proposes adding definitions of Gateway MSGin5G UE and Relay MSGin5G UE.

**Decision:** The document was **revised to S6-220368**.

**S6-220368 Definitions of Gateway UE and Relay UE**

*Type: CR For: Agreement  
 23.554 v17.1.0 CR-0029 rev 1 Cat: F (Rel-17)  
  
 Source: Samsung*

(Replaces S6-220187)

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

## 8 Rel-18 Work-Items

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

**S6-220031 Alignment of section 4.7 of 23.289 with latest version of 23.247 (v 17.1.0)**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0023 Cat: C (Rel-18)  
  
 Source: AT&T*

**Abstract:**

Proposal aligning TS 23.289 with 23.247 version 17.1.0, specifically:

- Reference point Nmb3 has been eliminated,

- Reference point Nmb4 has been eliminated and Nmb8 is used instead,

- Reference point Nmb6 has been eliminated and Nmb5 or Nmb10 are used in

**Decision:** The document was **revised to S6-220275**.

**S6-220275 Alignment of section 4.7 of 23.289 with latest version of 23.247 (v 17.1.0)**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0023 rev 1 Cat: C (Rel-18)  
  
 Source: AT&T*

(Replaces S6-220031)

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

**S6-220133 Updating aspects related to the MBS resources update**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0024 Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The updates in this CR provide corrections to some minor aspects in order to be aligned with 3GPP TS 23.247. Furthermore, a reference to 3GPP TS 23.247 is added for proper procedures documentation.

Summary of changes:

- reference to 3GPP 23.247 in sever

**Decision:** The document was **revised to S6-220269**.

**S6-220269 Updating aspects related to the MBS resources update**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0024 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-220133)

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

**S6-220134 Alignment of some information flows within TS 23.289**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0025 Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The MapGroupToSessionStream and UnMapGroupFromSessionStream messages are doublicated in several clauses within the document. Furthermore, the description of the information elements within the MBS listening status report are corrected to make it applicable

**Decision:** The document was **revised to S6-220270**.

**S6-220270 Alignment of some information flows within TS 23.289**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0025 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-220134)

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

**S6-220137 Updating aspects and terminology related to MBS session creation and MC traffic transmission**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0027 Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The CR provides minor corrections in the already available procedures related to MBS session creation and MC traffic transmission for group communication purposes. The introduced corrections and modications are alligned with 3GPP TS 23.247. In summary:

-

**Decision:** The document was **revised to S6-220272**.

**S6-220272 Updating aspects and terminology related to MBS session creation and MC traffic transmission**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0027 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-220137)

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

**S6-220138 Updating the MBS session release related terminology and aspects**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0028 Cat: F (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The CR provides an update for terminology alignment related to deletion an MBS session, as described in 3GPP TS 23.247. Furthermore, the session deletion procedure may be with a dynamic or without a dynamic PCC rule, as indicated in 3GPP TS 23.247. In sum

**Decision:** The document was **revised to S6-220273**.

**S6-220273 Updating the MBS session release related terminology and aspects**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0028 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-220138)

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

**S6-220142 Minor corrections to the procedures related to MBS session creation**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0029 Cat: F (Rel-18)  
  
 Source: Samsung Electronics*

**Abstract:**

The CR proposes:

- correcting the step 5a in figure 7.3.3.1.2-1 replacing UE session join acknowledgement with UE session join notification and

- updating procedure 7.3.3.1.3 to show the MBS listening status report and session via established bearer.

**Decision:** The document was **revised to S6-220342**.

**S6-220342 Minor corrections to the procedures related to MBS session creation**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0029 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung Electronics*

(Replaces S6-220142)

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

**S6-220206 EPS interworking requirements**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0030 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The present CR proposes adding requirements related to the support of MC services over 5GS with EPS interworking.

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

**S6-220208 MC services over 5GS supporting EPS interworking**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0031 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The present CR proposes introducing aspects related to the support of MC services over 5GS with EPS interworking.

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

**S6-220214 Network notifications of EPS interworking related events**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0032 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The CR proposes introducing a subscription/notification procedure between the MC service server and the network for EPS interworking related events.

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

**S6-220215 Update to inter-system switching between 5G MBS and eMBMS procedures**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0033 Cat: C (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The CR proposes infroducing the already specified notification capabilities provided by the network related to 5GS/EPS interworking for the inter-system switching between 5G MBS and eMBMS procedures.

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

**S6-220227 Clean up of EPS-5GMBS interworking**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0034 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Clean up of EPS-5GMBS interworking

**Decision:** The document was **revised to S6-220390**.

**S6-220390 Clean up of EPS-5GMBS interworking**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0034 rev 1 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220227)

**Decision:** The document was **revised to S6-220440**.

**S6-220440 Clean up of EPS-5GMBS interworking**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0034 rev 2 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220390)

**Discussion:**

Contents of draft S6-220390 rev 1.

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

**S6-220228 Clean up of switching between unicast and 5G MBS, between LTE eMBMS and 5G MBS**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0035 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Clean up of switching between unicast and 5G MBS, between LTE eMBMS and 5G MBS

**Decision:** The document was **revised to S6-220391**.

**S6-220391 Clean up of switching between unicast and 5G MBS, between LTE eMBMS and 5G MBS**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0035 rev 1 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220228)

**Discussion:**

The draft S6-220391 rev 1 was discussed during the CC.

**Decision:** The document was **revised to S6-220441**.

**S6-220441 Clean up of switching between unicast and 5G MBS, between LTE eMBMS and 5G MBS**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0035 rev 2 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220391)

**Discussion:**

Contents of draft S6-220391 rev 1 plus replacing "MCXover5G" with "MC Services over 5G" in clause 7.x.3.1 plus changing italic text to normal text in Table 7.x.2.3-2.

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

**S6-220229 Enhanced MCPTT group call setup procedure with 5MBS session**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0036 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Enhanced MCPTT group call setup procedure with 5MBS session

**Decision:** The document was **revised to S6-220392**.

**S6-220392 Enhanced MCPTT group call setup procedure with 5MBS session**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0036 rev 1 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220229)

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

**S6-220230 Information flows for media distribution over 5MBS**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0037 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Information flows for media distribution over 5MBS

**Decision:** The document was **revised to S6-220393**.

**S6-220393 Information flows for media distribution over 5MBS**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0037 rev 1 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220230)

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

**S6-220231 Description of 5G MBS usage for MCData**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0038 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Description of 5G MBS usage for MCData

**Decision:** The document was **revised to S6-220394**.

**S6-220394 Description of 5G MBS usage for MCData**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0038 rev 1 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220231)

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

**S6-220232 Updates to usage of 5MBS for MCVideo**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0039 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Updates to usage of 5MBS for MCVideo

**Decision:** The document was **revised to S6-220395**.

**S6-220395 Updates to usage of 5MBS for MCVideo**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0039 rev 1 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220232)

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

**S6-220233 Corrections to align with SA2 5G MBS specification**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0040 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Corrections to align with SA2 5G MBS specification

**Decision:** The document was **revised to S6-220396**.

**S6-220396 Corrections to align with SA2 5G MBS specification**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0040 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220233)

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

**S6-220234 Usage of FEC capabilities**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0041 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Usage of FEC capabilities

**Decision:** The document was **revised to S6-220397**.

**S6-220397 Usage of FEC capabilities**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0041 rev 1 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220234)

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

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

**S6-220136 Use of 5G ProSe UE-to-network relay service for MCx services**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0026 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The CR provides a description of the proper use of 5G ProSe UE-to-network relay. Moreover, it provides the necessary requirements and parameters to enable the 5G ProSe UE-to-network relay service.

**Decision:** The document was **revised to S6-220271**.

**S6-220271 Use of 5G ProSe UE-to-network relay service for MCx services**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0026 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-220136)

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

**S6-220235 Architectural model over 5G ProSe**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0042 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Architectural model over 5G ProSe

**Decision:** The document was **revised to S6-220398**.

**S6-220398 Architectural model over 5G ProSe**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0042 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220235)

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

**S6-220236 Off-network functional model over 5G ProSe**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0043 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Off-network functional model over 5G ProSe

**Decision:** The document was **revised to S6-220399**.

**S6-220399 Off-network functional model over 5G ProSe**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0043 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220236)

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

**S6-220237 Off network group communication for MC service**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0044 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Off network group communication for MC service

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

**S6-220238 Off network private communication for MC service**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0045 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Off network private communication for MC service

**Discussion:**

The document S6-220238 was discussed during the CC#8.

**Decision:** The document was **revised to S6-220400**.

**S6-220400 Off network private communication for MC service**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0045 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220238)

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

**S6-220239 5G ProSe UE-to-network relay for MC service**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0046 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for 5G ProSe UE-to-network relay for MC service

**Decision:** The document was **revised to S6-220401**.

**S6-220401 5G ProSe UE-to-network relay for MC service**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0046 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220239)

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

**S6-220240 Service continuity with a 5G ProSe UE-to-network relay for MBMS**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0047 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Service continuity with a 5G ProSe UE-to-network relay for MBMS

**Discussion:**

The document S6-220240 was discussed during the CC#1.

Ericcson was of the view that the proposed solution was too simplified and was requesting further information what a complete solution would look like.

**Decision:** The document was **revised to S6-220402**.

**S6-220402 Service continuity with a 5G ProSe UE-to-network relay for MBMS**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0047 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220240)

**Discussion:**

The draft S6-220402 rev 1 was discussed during the CC.

Ericsson suggested changing Note 1 to an editor's note.

**Decision:** The document was **revised to S6-220478**.

**S6-220478 Service continuity with a 5G ProSe UE-to-network relay for MBMS**

*Type: CR For: Agreement  
 23.289 v18.0.0 CR-0047 rev 2 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220402)

**Discussion:**

Contents of draft S6-220402 rev 3.

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

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

**S6-220066 Editorial corrections around the MC gateway UE solution**

*Type: CR For: Agreement  
 23.280 v18.0.0 CR-0306 Cat: D (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

Section 11 has been added recently and contains a very small number of editorials, which are corrected by this CR.

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

**S6-220067 Functional model reference points**

*Type: CR For: Agreement  
 23.280 v18.0.0 CR-0307 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The CR introduces the reference points and related descriptios for the functional model when using an MC gateway UE.

**Decision:** The document was **revised to S6-220276**.

**S6-220276 Functional model reference points**

*Type: CR For: Agreement  
 23.280 v18.0.0 CR-0307 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

(Replaces S6-220067)

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

**S6-220068 Functional model media plane aspects**

*Type: CR For: Agreement  
 23.280 v18.0.0 CR-0308 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The CR introduces media plane aspects for the functional model.

**Decision:** The document was **revised to S6-220277**.

**S6-220277 Functional model media plane aspects**

*Type: CR For: Agreement  
 23.280 v18.0.0 CR-0308 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

(Replaces S6-220068)

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

**S6-220069 Using identities behind the MC gateway UE**

*Type: CR For: Agreement  
 23.280 v18.0.0 CR-0309 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The identification of MC service users behind an MC gateway UE residing on non-3GPP devices is to be specified.

**Decision:** The document was **revised to S6-220278**.

**S6-220278 Using identities behind the MC gateway UE**

*Type: CR For: Agreement  
 23.280 v18.0.0 CR-0309 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

(Replaces S6-220069)

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

**S6-220070 MC gateway UE routing capabilties**

*Type: CR For: Agreement  
 23.280 v18.0.0 CR-0310 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The MC gateway UE routes and maps the traffic data and signalling information between non-3GPP devices and the network. A description needs to be added how this is done.

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

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

**S6-220022 Correction of two information flow descriptions**

*Type: CR For: Agreement  
 23.379 v18.0.0 CR-0302 Cat: F (Rel-18)  
  
 Source: BDBOS*

**Abstract:**

Proposal to correct information flows 10.9.2.2.2 and 10.6.2.2.2a.

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

**S6-220023 Correction to On-demand usage of location information procedure**

*Type: CR For: Agreement  
 23.280 v18.0.0 CR-0305 Cat: F (Rel-18)  
  
 Source: BDBOS*

**Abstract:**

Replace “Location information notification” with correct “Location information report” in step 4.

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

**S6-220024 CR on Authorization of MCPTT user at LMS**

*Type: CR For: Approval  
 23.379 v18.0.0 CR-0303 Cat: B (Rel-18)  
  
 Source: BDBOS*

**Abstract:**

CR will add parameters to MCPTT user profile data which can authorize the MCPTT user to request, to subscribe or to trigger location information at the Location management server

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

**S6-220025 CR on authorization of MCData user at LMS**

*Type: CR For: (not specified)  
 23.282 v18.0.0 CR-0292 Cat: B (Rel-18)  
  
 Source: BDBOS*

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

**S6-220026 CR on authorization of MCVideo user at LMS**

*Type: CR For: Approval  
 23.281 v18.0.0 CR-0160 Cat: B (Rel-18)  
  
 Source: BDBOS*

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

**S6-220027 Discussion paper on authorization of MC service user at LMS**

*Type: discussion For: Discussion  
 23.280 v..  
 Source: BDBOS*

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

**S6-220057 MCPTT Group ID for pre-configured group call**

*Type: CR For: Agreement  
 23.379 v18.0.0 CR-0304 Cat: F (Rel-18)  
  
 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Proposal to change the MCPTT Group ID IE to “M” in table 10.6.2.2.7.

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

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

**S6-220059 FFAPP Architecture**

*Type: pCR For: Approval  
 23.545 v0.2.0  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-220323**.

**S6-220323 FFAPP Architecture**

*Type: pCR For: Approval  
 23.545 v0.2.0  
 Source: ZTE Corporation*

(Replaces S6-220059)

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

**S6-220060 FFAPP Deployment models**

*Type: pCR For: Approval  
 23.545 v0.2.0  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S6-220324**.

**S6-220324 FFAPP Deployment models**

*Type: pCR For: Approval  
 23.545 v0.2.0  
 Source: ZTE Corporation*

(Replaces S6-220060)

**Discussion:**

The draft S6-220324 rev 1 was discussed during the CC.

Ericsson suggested rephrasing Note 1 to read

The described deployment scenarios show FAE and SEAL server collocation as just an example of possible deployment with respect to FAE servers and SEAL servers. Other deployments are also possible.

**Decision:** The document was **revised to S6-220442**.

**S6-220442 FFAPP Deployment models**

*Type: pCR For: Approval  
 23.545 v0.2.0  
 Source: ZTE Corporation*

(Replaces S6-220324)

**Discussion:**

Contents of draft S6-220324 rev 1, plus

- rephrasing NOTE1 in clause A.2 to read “The described deployment scenarios show FAE and SEAL server collocation as just an example of possible deployment with respect to FAE servers and SEAL servers. Other deployments are also possible.”

- replacing “reference points is used” with “reference points are used”.

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

**S6-220061 FFAPP Involved entities and relationships**

*Type: pCR For: Approval  
 23.545 v0.2.0  
 Source: ZTE Corporation*

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

**S6-220241 Communication with FFAPP service requirements**

*Type: pCR For: Approval  
 23.545 v0.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Communication with FFAPP service requirements

**Decision:** The document was **revised to S6-220403**.

**S6-220403 Communication with FFAPP service requirements**

*Type: pCR For: Approval  
 23.545 v0.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220241)

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

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

**S6-220158 Complete location retrieval in an area**

*Type: CR For: Approval  
 23.434 v17.4.0 CR-0091 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

The present CR proposes adding:

- VAL service ID in Obtain UE list per location response message,

- a new CM service for retrieving VAL service ID associated with requested VAL UE or user ID and

- 3GPP CN interaction for LMS to retrieve the UE ID list.

**Decision:** The document was **revised to S6-220291**.

**S6-220291 Complete location retrieval in an area**

*Type: CR For: Approval  
 23.434 v17.4.0 CR-0091 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-220158)

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

## 9 Rel-18 Study Items

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

**S6-220242 MCData via full service mode**

*Type: pCR For: Approval  
 23.783 v1.8.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for MCData via full service mode.

**Discussion:**

The document S6-220242 was discussed during the CC#1.

Ericsson raised some doubts about simply being able to reuse XMB solutions as is, if referring to full service mode. For the interworking only case it could be more feasible.

**Decision:** The document was **revised to S6-220404**.

**S6-220404 MCData via full service mode**

*Type: pCR For: Approval  
 23.783 v1.8.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220242)

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

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

**S6-220040 New Solution for call transfer between MCPTT users in different MCPTT systems**

*Type: pCR For: Approval  
 23.700-90 v1.2.0  
 Source: Kontron Transportation France, Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S6-220304**.

**S6-220304 New Solution for call transfer between MCPTT users in different MCPTT systems**

*Type: pCR For: Approval  
 23.700-90 v1.2.0  
 Source: Kontron Transportation France, Nokia, Nokia Shanghai Bell*

(Replaces S6-220040)

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

**S6-220058 Resolve the ENs in clause 7.8**

*Type: pCR For: Approval  
 23.700-90 v1.2.0  
 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Resolve the ENs in clause 7.8

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

**S6-220071 Overall evaluation udate**

*Type: pCR For: Approval  
 23.700-90 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The pCR updates the overall evaluation section.

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

**S6-220072 Study Conclusions**

*Type: pCR For: Approval  
 23.700-90 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The pCR proposes text for the conclusion section.

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

### 9.3 FS\_MCShAC - Study on sharing of administrative configuration between interconnected MC service systems

**S6-220085 Proposed skeleton for TR 23.700-38**

*Type: pCR For: Approval  
 23.700-38 v0.0.0  
 Source: BDBOS*

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

**S6-220096 Scope for TR 23.700-38**

*Type: pCR For: Approval  
 23.700-38 v0.0.0  
 Source: BDBOS*

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

### 9.4 FS\_MCAHGC - Study on Mission Critical Ad hoc Group Communications Support for Mission Critical Services

**S6-220049 TR skeleton for the study on Ad hoc group communications support for mission critical services**

*Type: other For: Approval  
 Source: Samsung Electronics*

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

**S6-220050 Pseudo-CR on adding description to Introduction sections**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Samsung Electronics*

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

**S6-220051 Pseudo-CR on adding description to Scope section**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Samsung Electronics*

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

**S6-220052 Pseudo-CR on adding description to References and Definition sections**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Samsung Electronics*

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

**S6-220053 Pseudo-CR on Key issue 1 for Ad hoc group communication**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Samsung, FirstNet, AT&T, Nokia, Nokia Shanghai Bell, Kontron Transportation France, UIC*

**Discussion:**

The draft document S6-220238 rev2 (a merge of the initial doucment with S6-220243) was discussed during the CC#8.

Huawei suggested deleting, in clause 4.1, the last sentence of the first paragraph, the complete second paragragh as well as the last two bullets.

Motorola Solutions agreed with the view of Huawei on deleting the last sentence of the first paragraph and the complete second paragragh.

AT&T did not agree with the proposed deletions.

Motorola Solutions further proposed to keep the second paragraph, with the exeption of the last sentence, that they thought should be deleted.

Samsung furhter suggested rephrasing the last two bullets in to the form "Whether or how…".

Motorla Solutions was fine with the "Whether or how …" but still suggested separating the last two bullets in to a separate new key issue.

**Decision:** The document was **revised to S6-220345**.

**S6-220345 Pseudo-CR on Key issue 1 for Ad hoc group communication**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Samsung, FirstNet, AT&T, Nokia, Nokia Shanghai Bell, Kontron Transportation France, UIC*

(Replaces S6-220053)

**Decision:** The document was **revised to S6-220443**.

**S6-220443 Pseudo-CR on Key issue 1 for Ad hoc group communication**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Samsung, FirstNet, AT&T, Nokia, Nokia Shanghai Bell, Kontron Transportation France, UIC*

(Replaces S6-220345)

**Discussion:**

Contents of draft S6-220345 rev 1 plus removing changes on changes.

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

**S6-220054 Pseudo-CR on Key issue 2 for Ad hoc group communication**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Samsung, FirstNet, AT&T, Nokia, Nokia Shanghai Bell, Kontron Transportation France, UIC*

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

**S6-220055 Pseudo-CR on Key issue 3 for Ad hoc group communication**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Samsung, FirstNet, AT&T, Nokia, Nokia Shanghai Bell, Kontron Transportation France, UIC*

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

**S6-220056 Pseudo-CR on Solution proposal for key issue 1**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Samsung, FirstNet, AT&T*

**Decision:** The document was **revised to S6-220343**.

**S6-220343 Pseudo-CR on Solution proposal for key issue 1**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Samsung, FirstNet, AT&T*

(Replaces S6-220056)

**Decision:** The document was **revised to S6-220344**.

**S6-220344 Pseudo-CR on Solution proposal for key issue 1**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Samsung, FirstNet, AT&T*

(Replaces S6-220343)

**Decision:** The document was **revised to S6-220444**.

**S6-220444 Pseudo-CR on Solution proposal for key issue 1**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Samsung, FirstNet, AT&T*

(Replaces S6-220344)

**Discussion:**

Contents of draft S6-220344 rev 1.

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

**S6-220243 Key Issue on Ad hoc group call**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key Issue on Ad hoc group call

**Decision:** The document was **revised to S6-220405**.

**S6-220405 Key Issue on Ad hoc group call**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220243)

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

**S6-220244 Solution for Ad hoc group call**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for Ad hoc group call

**Decision:** The document was **revised to S6-220406**.

**S6-220406 Solution for Ad hoc group call**

*Type: pCR For: Approval  
 23.700-76 v0.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220244)

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

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

**S6-220033 FS\_NSCALE architectural requirements**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S6-220305**.

**S6-220305 FS\_NSCALE architectural requirements**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: AsiaInfo Technologies Inc*

(Replaces S6-220033)

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

**S6-220034 FS\_NSCALE solution evaluation for solution 4**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: AsiaInfo Technologies Inc,*

**Decision:** The document was **revised to S6-220308**.

**S6-220308 FS\_NSCALE solution evaluation for solution 4**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: AsiaInfo Technologies Inc, Huawei*

(Replaces S6-220034)

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

**S6-220306 FS\_NSCALE solution evaluation for solution 4**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: AsiaInfo Technologies Inc*

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

**S6-220035 FS\_NSCALE Update the architecture for network slice capability enablement**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: AsiaInfo Technologies Inc,*

**Decision:** The document was **revised to S6-220307**.

**S6-220307 FS\_NSCALE Update the architecture for network slice capability enablement**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: AsiaInfo Technologies Inc, China Mobile Software*

(Replaces S6-220035)

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

**S6-220036 FS\_NSCALE Solution to key issue #12 on the modification of NSCE server**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: AsiaInfo Technologies Inc*

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

**S6-220037 Solution to KI #6 on application layer dynamic slice SLA alignment capability**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: AsiaInfo Technologies Inc*

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

**S6-220079 Pseudo-CR on Preconditions of Solution 7**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-220334**.

**S6-220334 Pseudo-CR on Preconditions of Solution 7**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile Com. Corporation*

(Replaces S6-220079)

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

**S6-220080 Pseudo-CR on Reference to CAPIF Architecture**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile Com. Corporation*

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

**S6-220081 solution for KI 10**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-220336**.

**S6-220336 solution for KI 10**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile Com. Corporation*

(Replaces S6-220081)

**Decision:** The document was **revised to S6-220448**.

**S6-220448 solution for KI 10**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile Com. Corporation*

(Replaces S6-220336)

**Discussion:**

Contents of draft S6-220336 rev 2.

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

**S6-220097 Correct the terminologies of NSCM to NSCE**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

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

**S6-220098 Add expansions of the abbreviations**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

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

**S6-220099 Add solutions of communication service management**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **revised to S6-220337**.

**S6-220337 Add solutions of communication service management**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-220099)

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

**S6-220100 Address Editor's notes in the clause of requirements and architectures**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **revised to S6-220338**.

**S6-220338 Address Editor's notes in the clause of requirements and architectures**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-220100)

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

**S6-220104 Addition of reference**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to add TS 23.222 as a reference.

**Decision:** The document was **revised to S6-220421**.

**S6-220421 Addition of reference**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: NTT DOCOMO, China Mobile Com. Corporation*

(Replaces S6-220104)

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

**S6-220110 Address Editor's notes of fault management**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **revised to S6-220339**.

**S6-220339 Address Editor's notes of fault management**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-220110)

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

**S6-220113 FS\_NSCALE\_solution evaluation for solution 4 QoS verification capability**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

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

**S6-220119 FS\_NSCALE solution evaluation for solution 5 Network slice related performance and analytics exposure**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

**Decision:** The document was **revised to S6-220322**.

**S6-220322 FS\_NSCALE solution evaluation for solution 5 Network slice related performance and analytics exposure**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

(Replaces S6-220119)

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

**S6-220321 FS\_NSCALE solution evaluation for solution 5 Network slice related performance and analytics exposure**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

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

**S6-220121 architecture requirement update**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

NSCE server 1 deployed in the DN 1 (see fig in the S6-220121) has the service area covering the whole PLMN, in which case, such kind of NSCE service is most likely provided by MNO. NSCE server 2 deployed in the edge DN 2 only covering the service area 2, and NSCE server 3 deployed in the edge DN 3 covering the service area 3. NSCE server 2 and 3 could be provided by MNO or vertical.

The NSCE server could be deployed in edge DN and DN, so the NSCE shall support centralized and distributed deployment.

This paper proposes the update for Architectural requirements.

**Discussion:**

CMCC presented the document S6-220139 during CC#4.

**Decision:** The document was **revised to S6-220310**.

**S6-220310 architecture requirement update**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220121)

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

**S6-220122 Application architecture update**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software*

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

**S6-220311 Application architecture update**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software*

**Discussion:**

Originally reserved as a revision for S6-220122. However the S6-220122 was finally merged in S6-220035.

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

**S6-220123 Deployment models**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software*

**Abstract:**

The NSCE service have different deployment models in the scenarios regarding to the EDGE and NPN. This proposal describes examples of deployment models with respect to different deployment scenarios.

Also, the NSCE server should support the centralized and distributed deployment, the NSCE server(s) will have different deployment models and different relation with VAL server and 3GPP system. This proposal also describes examples of deployment models of NSCE server(s) in relation to VAL server and 3GPP system.

**Discussion:**

CMCC presented the document S6-220139 during CC#4.

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

**S6-220312 Deployment models**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software*

**Discussion:**

Originally reserved as a revision for S6-220123. However the S6-220123 was finally postponed.

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

**S6-220124 Key issue on network slice optimization**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software,Huawei*

**Decision:** The document was **revised to S6-220313**.

**S6-220313 Key issue on network slice optimization**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software,Huawei*

(Replaces S6-220124)

**Decision:** The document was **revised to S6-220447**.

**S6-220447 Key issue on network slice optimization**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software,Huawei*

(Replaces S6-220313)

**Discussion:**

Contents of draft S6-220313 rev 2.

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

**S6-220125 solution for network slice optimization**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software,Lenovo, Huawei*

**Decision:** The document was **revised to S6-220314**.

**S6-220314 solution for network slice optimization**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software,Lenovo, Huawei*

(Replaces S6-220125)

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

**S6-220126 solution 5 update**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software*

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

**S6-220139 NS Life Cycle for 3rd Party**

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

**Abstract:**

The presentation discusses:

- Understanding the Current NS Life Cycle Management (from TS 28.530)

- Considering FS\_NSCALE with the perspective of the current NS Life Cycle Management

- Deriving Key issues from the above consideration.

**Discussion:**

Samsung presented the document S6-220139 during CC#4.

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

**S6-220140 new KI on advertisement of the existing Network Slice to 3rd party**

*Type: pCR For: (not specified)  
 23.700-99 v0.4.0  
 Source: Samsung Electronics Polska*

**Decision:** The document was **revised to S6-220379**.

**S6-220379 new KI on advertisement of the existing Network Slice to 3rd party**

*Type: pCR For: -  
 23.700-99 v0.4.0  
 Source: Samsung Electronics Polska*

(Replaces S6-220140)

**Decision:** The document was **revised to S6-220445**.

**S6-220445 new KI on advertisement of the existing Network Slice to 3rd party**

*Type: pCR For: -  
 23.700-99 v0.4.0  
 Source: Samsung Electronics Polska*

(Replaces S6-220379)

**Discussion:**

Contents of draft S6-220379 rev 3.

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

**S6-220141 new KI on Network Slice creation for the 3rd party**

*Type: pCR For: (not specified)  
 23.700-99 v0.4.0  
 Source: Samsung Electronics Polska*

**Decision:** The document was **revised to S6-220381**.

**S6-220381 new KI on Network Slice creation for the 3rd party**

*Type: pCR For: -  
 23.700-99 v0.4.0  
 Source: Samsung Electronics Polska*

(Replaces S6-220141)

**Decision:** The document was **revised to S6-220446**.

**S6-220446 new KI on Network Slice creation for the 3rd party**

*Type: pCR For: -  
 23.700-99 v0.4.0  
 Source: Samsung Electronics Polska*

(Replaces S6-220381)

**Discussion:**

Contents of draft S6-220381 rev 2.

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

**S6-220171 Update of Key Issue 12**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution proposes an update of key #12 for supporting service continuity in scenarios where UEs are moving towards a different EDN area supported by different NSCE server.

**Decision:** The document was **revised to S6-220361**.

**S6-220361 Update of Key Issue 12**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: Lenovo Future Communications*

(Replaces S6-220171)

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

**S6-220172 Solution on slice optimization for edge based NSCE deployments**

*Type: pCR For: Approval  
 23.700-99 v0.4.0  
 Source: Lenovo Future Communications*

**Abstract:**

This paper proposes a solution to Key #12 (Network slice capability exposure in the edge data network) for supporting service continuity in scenarios where UEs are moving towards a different EDN area supported by different NSCE server.

**Discussion:**

Lenovo presented the document S6-220172 during CC#4.

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

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

**S6-220105 Discussion on the near real-time consent**

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

**Abstract:**

Discussion for a new solution to obtain the resource owner's consent

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

**S6-220106 Evaluation of Solution #3**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to evaluate Solution #3.

**Decision:** The document was **revised to S6-220422**.

**S6-220422 Evaluation of Solution #3**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: NTT DOCOMO*

(Replaces S6-220106)

**Discussion:**

Draft S6-220422 rev 4.

It was suggested to remove the first sentence in clause 6.3.2 and reinstate the EN.

**Decision:** The document was **revised to S6-220453**.

**S6-220453 Evaluation of Solution #3**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: NTT DOCOMO*

(Replaces S6-220422)

**Discussion:**

Contents of draft S6-220422 rev 4 content plus:

- removing the first sentence “It is not preferrable that the API exposing function handles the resource owner registration, even though it is possible, because this may be a lot of overload for the API exposing function.”

- in clause 6.3.2 reinstating the EN.

Reinstate the EN in clause 6.3.2 + remove “It is not preferrable that the API exposing function handles the resource owner registration, even though it is possible, because this may be a lot of overload for the API exposing function.”

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

**S6-220107 Near real-time consent**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a solution to address the key issue #3.

**Decision:** The document was **revised to S6-220423**.

**S6-220423 Near real-time consent**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: NTT DOCOMO*

(Replaces S6-220107)

**Decision:** The document was **revised to S6-220451**.

**S6-220451 Near real-time consent**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: NTT DOCOMO*

(Replaces S6-220423)

**Discussion:**

Contents of draft S6-220423 rev 2.

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

**S6-220108 Constraint of roaming scenario**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to add a constraint in the scope.

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

**S6-220111 Discussion on the near real-time consent**

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

**Abstract:**

Discussion for a new solution to obtain the resource owner's consent

**Discussion:**

NTT DOCOMO presented the S6-220111 during the CC#6.

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

**S6-220162 Discover a proper AEF**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220294**.

**S6-220294 Discover a proper AEF**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Ericsson*

(Replaces S6-220162)

**Decision:** The document was **revised to S6-220452**.

**S6-220452 Discover a proper AEF**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Ericsson*

(Replaces S6-220294)

**Discussion:**

Draft S6-220294 rev 1 content.

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

**S6-220163 UE-originated API invocation within CAPIF**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220295**.

**S6-220295 UE-originated API invocation within CAPIF**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Ericsson*

(Replaces S6-220163)

**Decision:** The document was **revised to S6-220450**.

**S6-220450 UE-originated API invocation within CAPIF**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Ericsson*

(Replaces S6-220295)

**Discussion:**

Contents of draft S6-220295 rev 1.

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

**S6-220188 FS\_SNAAPP-KI\_Resource Owner Related API**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Samsung*

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

**S6-220369 FS\_SNAAPP-KI\_Resource Owner Related API**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Samsung*

**Discussion:**

Originally reserved a revision for S6-220188, but finally S6-220188 was postponed.

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

**S6-220189 FS\_SNAAPP-Solution to KI#4**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Samsung*

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

**S6-220370 FS\_SNAAPP-Solution to KI#4**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Samsung*

**Discussion:**

Originally reserved a revision for S6-220189, but finally S6-220189 was postponed.

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

**S6-220198 Terminology alignment and corrections**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220328**.

**S6-220328 Terminology alignment and corrections**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Convida Wireless LLC*

(Replaces S6-220198)

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

**S6-220199 Obtaining RO consent enhancements**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220329**.

**S6-220329 Obtaining RO consent enhancements**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Convida Wireless LLC*

(Replaces S6-220199)

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

**S6-220200 Onboarding UE API Invokers**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220330**.

**S6-220330 Onboarding UE API Invokers**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Convida Wireless LLC*

(Replaces S6-220200)

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

**S6-220261 Update to Functional model solution**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Update to Functional model solution

**Decision:** The document was **revised to S6-220419**.

**S6-220419 Update to Functional model solution**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220261)

**Discussion:**

Draft S6-220419 rev 1 was discussed during the CC.

NTT DOCOMO suggested reverting all changes to 6.2.1.2 and adding Editor’s Note: How the resource owner authorization function is involved in the functional model is FFS.

Huawei was of the view the contribution would become inconsistent.

Huawei suggested an editor's note "The location of the resource authorization function within the functional model is FFS.

**Decision:** The document was **revised to S6-220449**.

**S6-220449 Update to Functional model solution**

*Type: pCR For: Approval  
 23.700-95 v1.0.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220419)

**Discussion:**

Contents of draft S6-220419 rev 1 plus

EN: "The location of the resource authorization function in the CAPIF functional model is FFS." in clause 6.2.1.2.

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

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

**S6-220182 FS\_ACE\_IOT\_Reference points for Application Service Management**

*Type: pCR For: Approval  
 23.700-97 v0.4.1  
 Source: Samsung*

**Decision:** The document was **revised to S6-220364**.

**S6-220364 FS\_ACE\_IOT\_Reference points for Application Service Management**

*Type: pCR For: Approval  
 23.700-97 v0.4.1  
 Source: Samsung*

(Replaces S6-220182)

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

**S6-220183 FS\_ACE\_IoT\_Status collection from ASM client**

*Type: pCR For: Approval  
 23.700-97 v0.4.1  
 Source: Samsung*

**Decision:** The document was **revised to S6-220365**.

**S6-220365 FS\_ACE\_IoT\_Status collection from ASM client**

*Type: pCR For: Approval  
 23.700-97 v0.4.1  
 Source: Samsung*

(Replaces S6-220183)

**Decision:** The document was **revised to S6-220456**.

**S6-220456 FS\_ACE\_IoT\_Status collection from ASM client**

*Type: pCR For: Approval  
 23.700-97 v0.4.1  
 Source: Samsung*

(Replaces S6-220365)

**Discussion:**

Contents of draft S6-220365 rev 1.

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

**S6-220202 IoT Platform functional models**

*Type: pCR For: Approval  
 23.700-97 v0.4.1  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220326**.

**S6-220326 IoT Platform functional models**

*Type: pCR For: Approval  
 23.700-97 v0.4.1  
 Source: Convida Wireless LLC*

(Replaces S6-220202)

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

**S6-220203 UE activity pattern and monitoring solution**

*Type: pCR For: Approval  
 23.700-97 v0.4.1  
 Source: Convida Wireless LLC*

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

**S6-220204 Device Triggering Services Solution**

*Type: pCR For: Approval  
 23.700-97 v0.4.1  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220331**.

**S6-220331 Device Triggering Services Solution**

*Type: pCR For: Approval  
 23.700-97 v0.4.1  
 Source: Convida Wireless LLC*

(Replaces S6-220204)

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

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

**S6-220114 Discussion on fused location service architecture**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

**Discussion:**

The document S6-220114 was discussed during CC#2.

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

**S6-220115 Pseudo-CR on solution#1 update**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

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

**S6-220116 Pseudo-CR on solution for supporting geo-fencing applications**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

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

**S6-220147 Pseudo-CR on solution#1 update**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

**Decision:** The document was **revised to S6-220425**.

**S6-220425 Pseudo-CR on solution#1 update**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

(Replaces S6-220147)

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

**S6-220148 Pseudo-CR on solution for supporting geo-fencing applications**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

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

**S6-220149 Pseudo-CR on update on solution #4**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

**Decision:** The document was **revised to S6-220426**.

**S6-220426 Pseudo-CR on update on solution #4**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

(Replaces S6-220149)

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

**S6-220150 Pseudo-CR on evaluation on solution #6**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

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

**S6-220151 SA for information**

*Type: WI status report For: Approval  
 Source: CATT*

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

### 9.9 FS\_eEDGEAPP - Study on enhanced Application Architecture for enabling Edge Applications

**S6-220021 Solution for KI#9 - Enhancement of dynamic EAS instantiation triggering**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: InterDigital*

(Replaces S6-212719)

**Abstract:**

This pCR proposes a solution for KI#9.

**Discussion:**

The draft S6-220021\_Rev2 was discussed during CC#9.

**Decision:** The document was **revised to S6-220285**.

**S6-220285 Solution for KI#9 - Enhancement of dynamic EAS instantiation triggering**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: InterDigital*

(Replaces S6-220021)

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

**S6-220028 Edge Notification Server**

*Type: pCR For: Agreement  
 23.700-98 v0.4.0  
 Source: AT&T*

**Decision:** The document was **revised to S6-220274**.

**S6-220274 Edge Notification Server**

*Type: pCR For: Agreement  
 23.700-98 v0.4.0  
 Source: AT&T*

(Replaces S6-220028)

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

**S6-220030 Solution for KI#10 - V-ECS Discovery via the H-ECS**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: InterDigital*

**Decision:** The document was **revised to S6-220284**.

**S6-220284 Solution for KI#10 - V-ECS Discovery via the H-ECS**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: InterDigital*

(Replaces S6-220030)

**Discussion:**

Draft S6-220284 rev 1 discussed during the CC.

**Decision:** The document was **revised to S6-220465**.

**S6-220465 Solution for KI#10 - V-ECS Discovery via the H-ECS**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: InterDigital*

(Replaces S6-220284)

**Discussion:**

Contents of draft S6-220284 rev 1 plus:

- adding editor's note in clause 7.x.2 “EN: Whether H-ECS can provide V-ECS address information directly to the UE is FFS” and

- moving the paragraph on Solution #4 and NOTE to the solution evaluation.

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

**S6-220038 FS\_eEDGEAPP the procedure for solution #11 EASs to invoke MEC services API using CAPIF**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: AsiaInfo Technologies Inc*

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

**S6-220039 FS\_eEDGEAPP architectural requirements**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S6-220309**.

**S6-220309 FS\_eEDGEAPP architectural requirements**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: AsiaInfo Technologies Inc*

(Replaces S6-220039)

**Discussion:**

Draft S6-220309 rev 1.

**Decision:** The document was **revised to S6-220461**.

**S6-220461 FS\_eEDGEAPP architectural requirements**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: AsiaInfo Technologies Inc*

(Replaces S6-220309)

**Discussion:**

Contents of draft S6-220309 rev 1 content plus replacing:

- "This solution is based on.." with "The following is the architectural requirement to support ECS discovery in the EDGEAPP Rel-18 architecture.".

- the bullet to read "The application layer architecture shall provide mechanisms for ECS to discover available ECS which may have suitable EES, to support UE mobility between ECSPs."

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

**S6-220063 Control of allowing service continuity planning**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

**Decision:** The document was **revised to S6-220352**.

**S6-220352 Control of allowing service continuity planning**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

(Replaces S6-220063)

**Discussion:**

Draft S6-220352 rev 1 discussed during the CC.

Huawei suggested reverting the deletion of the last sentence of bullet 3 in clause 7.2.2.

Finally an EN was agreed.

**Decision:** The document was **revised to S6-220463**.

**S6-220463 Control of allowing service continuity planning**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

(Replaces S6-220352)

**Discussion:**

Contents of draft S6-220352 rev 1 plus addition of editor's note after step 3; “EN: It is FFS whether response message contains that the EES will monitoring whether the UE moves to the expected/predicted location or not, when the EEC cannot detect UE mobility.”.

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

**S6-220064 Update ECS configuration information to support roaming and federation**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

**Decision:** The document was **revised to S6-220353**.

**S6-220353 Update ECS configuration information to support roaming and federation**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

(Replaces S6-220064)

**Decision:** The document was **revised to S6-220464**.

**S6-220464 Update ECS configuration information to support roaming and federation**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

(Replaces S6-220353)

**Discussion:**

Contents of draft S6-220353 rev1.

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

**S6-220065 Solution on enhancement of service continuity planning**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

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

**S6-220077 Pseudo-CR on Reference to CAPIF Architecture**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: China Mobile Com. Corporation*

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

**S6-220101 New reference point between ECSs for the non-roaming scenario**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to define a new reference point (EDGE-10) between ECSs for non-roaming scenario.

**Decision:** The document was **revised to S6-220420**.

**S6-220420 New reference point between ECSs for the non-roaming scenario**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: NTT DOCOMO*

(Replaces S6-220101)

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

**S6-220102 Modify figure for low power mode support procedure**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to modify Figure 7.10.2.2-1.

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

**S6-220117 Mapping Considerations of EAS IE and MEC App Instance IE**

*Type: pCR For: Approval  
 23.700-98 v0.2.0  
 Source: Intel Technology India Pvt Ltd*

**Abstract:**

As specified in Annex C of TS 23.558 (Rel-17), the two architectures (EDGEAPP and ETSI MEC) can be present in a single system. This pCR provides considerations for mapping EAS IE to MEC Application Instance IE (AppInfo).

**Discussion:**

The draft S6-220117 rev2 was discussed during the CC#9.

Huawei suggested some rewording in particular on "observations".

**Decision:** The document was **revised to S6-220301**.

**S6-220301 Mapping Considerations of EAS IE and MEC App Instance IE**

*Type: pCR For: Approval  
 23.700-98 v0.2.0  
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-220117)

**Discussion:**

Draft S6-220301 rev 2.

**Decision:** The document was **revised to S6-220454**.

**S6-220454 Mapping Considerations of EAS IE and MEC App Instance IE**

*Type: pCR For: Approval  
 23.700-98 v0.2.0  
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-220301)

**Discussion:**

Contents of draft S6-220301 rev 2 content plus removing:

- last sentence “These APIs can be also be consumed by MEC Applications as defined in ETSI MEC.” in clause A.2 and

- table in clause A.3.

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

**S6-220118 EAS Profile update for accessing EES APIs from MEC App Instance**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Intel Technology India Pvt Ltd*

**Abstract:**

This pCR provides considerations of mapping mandatory parameters and encapsulating AppIinfo in EAS Profile. This will allow MEC Application to register with EES seamlessly and EAS Profile will not be impacted with any change in AppInfo in future.

**Discussion:**

The draft S6-220118 rev2 was discussed during the CC#9.

Huawei did not quite see the benefit of this solution and suggested concentrating on the key issue.

**Decision:** The document was **revised to S6-220302**.

**S6-220302 EAS Profile update for accessing EES APIs from MEC App Instance**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-220118)

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

**S6-220127 Solution for KI#12- EAS discovery for different users**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: China Mobile (Suzhou) Software*

**Decision:** The document was **revised to S6-220315**.

**S6-220315 Solution for KI#12- EAS discovery for different users**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220127)

**Decision:** The document was **revised to S6-220468**.

**S6-220468 Solution for KI#12- EAS discovery for different users**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: China Mobile (Suzhou) Software, Ericsson*

(Replaces S6-220315)

**Discussion:**

Contents of draft S6-220315 rev 2 content plus replacing "white list" with "allowed list".

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

**S6-220144 Updates in Annexure Figure Caption**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Intel Technology India Pvt Ltd*

**Decision:** The document was **revised to S6-220303**.

**S6-220303 Updates in Annexure Figure Caption**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-220144)

**Decision:** The document was **revised to S6-220455**.

**S6-220455 Updates in Annexure Figure Caption**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-220303)

**Discussion:**

Contents of draft S6-220303 rev 2.

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

**S6-220145 Solution #8 update: CAPIF interconnection for EAS Service APIs**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: ETRI, Uangel*

**Abstract:**

This paper proposes to modify solution #8 by adding Service KPI-related information elements in CAPIF to support EAS Service APIs for CAPIF interconnection between EESs to address KI#2.

**Decision:** The document was **revised to S6-220299**.

**S6-220299 Solution #8 update: CAPIF interconnection for EAS Service APIs**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: ETRI, Uangel*

(Replaces S6-220145)

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

**S6-220146 Solution #11 update: interacting procedures via CAPIF interconnection**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: ETRI, Uangel*

**Abstract:**

This paper proposes to modify solution #11 by adding interacting procedures between ETSI MEC and 3GPP EDGEAPP via CAPIF interconnection to address KI #5.

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

**S6-220159 Constraint device in EDGEAPP**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Ericsson*

**Abstract:**

This contribution proposes a new solution to support constraint device in EDGEAPP.

**Discussion:**

A new draft version of the contribution was discussed during CC#9.

**Decision:** The document was **revised to S6-220380**.

**S6-220380 Constraint device in EDGEAPP**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Ericsson*

(Replaces S6-220159)

**Discussion:**

Draft S6-220380 rev 1.

**Decision:** The document was **revised to S6-220469**.

**S6-220469 Constraint device in EDGEAPP**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Ericsson*

(Replaces S6-220380)

**Discussion:**

Contents of draft S6-220380 rev 1.

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

**S6-220160 New KI Simultaneous EAS Connectivity in ACR**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220297**.

**S6-220297 New KI Simultaneous EAS Connectivity in ACR**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Ericsson*

(Replaces S6-220160)

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

**S6-220161 Support simultaneous EAS Connectivity in ACR**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220298**.

**S6-220298 Support simultaneous EAS Connectivity in ACR**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Ericsson*

(Replaces S6-220161)

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

**S6-220164 Initial EAS selection declaration**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Ericsson*

(Replaces S6-212778)

**Decision:** The document was **revised to S6-220296**.

**S6-220296 Initial EAS selection declaration**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Ericsson*

(Replaces S6-220164)

**Discussion:**

Draft S6-220296 rev 1.

**Decision:** The document was **revised to S6-220466**.

**S6-220466 Initial EAS selection declaration**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Ericsson*

(Replaces S6-220296)

**Discussion:**

Contents of draft S6-220296 rev 1 plus replacing in step 5 the text "..if applicable.." with “-may apply the EAS traffic influence with the N6 routing information of the EAS in the 3GPP Core Network, based on application KPIs and if the EAS traffic influence was not done before.”

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

**S6-220168 New solution for enhancements to service continuity planning**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: KPN N.V., Ericsson*

**Decision:** The document was **revised to S6-220332**.

**S6-220332 New solution for enhancements to service continuity planning**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: KPN N.V., Ericsson*

(Replaces S6-220168)

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

**S6-220179 Pseudo-CR on Key issue #X: EAS discovery for multi-player sessions**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Apple GmbH*

**Decision:** The document was **revised to S6-220281**.

**S6-220281 Pseudo-CR on Key issue #X: EAS discovery for multi-player sessions**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Apple GmbH*

(Replaces S6-220179)

**Decision:** The document was **revised to S6-220458**.

**S6-220458 Pseudo-CR on Key issue #X: EAS discovery for multi-player sessions**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Apple GmbH, Convida Wireless LLC*

(Replaces S6-220281)

**Discussion:**

Contents of draft S6-220281 rev 1.

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

**S6-220180 Pseudo-CR on Solution proposal for Key issue #X: EAS discovery for multi-player sessions**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Apple GmbH*

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

**S6-220181 New KI Method of supporting federated EAS service**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S6-220340**.

**S6-220340 New KI Method of supporting federated EAS service**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung Electronics Benelux BV*

(Replaces S6-220181)

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

**S6-220185 FS\_eEDGEAPP\_Solution to KI#3**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

**Decision:** The document was **revised to S6-220367**.

**S6-220367 FS\_eEDGEAPP\_Solution to KI#3**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

(Replaces S6-220185)

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

**S6-220186 FS\_eEDGEAPP\_solution to KI#13**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

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

**S6-220191 EAS selection synchronization at registration**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220325**.

**S6-220325 EAS selection synchronization at registration**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Convida Wireless LLC*

(Replaces S6-220191)

**Discussion:**

Draft S6-220325 rev 2.

**Decision:** The document was **revised to S6-220467**.

**S6-220467 EAS selection synchronization at registration**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Convida Wireless LLC*

(Replaces S6-220325)

**Discussion:**

Contents of draft S6-220325 rev 2 plus editor's note under clause 8.2.2 “EN: Pre-existing EAS information (e.g. Selected EAS Endpoint) to be moved to separate IE” .

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

**S6-220192 ECS announcement**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Convida Wireless LLC*

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

**S6-220193 End-to-End AC interaction via Common EAS KI**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220327**.

**S6-220327 End-to-End AC interaction via Common EAS KI**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Convida Wireless LLC*

(Replaces S6-220193)

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

**S6-220196 Solution for KI#10 - V-ECS Discovery during Steering of Roaming**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: InterDigital*

**Abstract:**

This solution addresses aspects of Key Issue #10. Specifically, the solution explains how the EEC in the roaming UE knows the availability of ECS(s) and/or EES(s) and discovers them in the VPLMN.

**Discussion:**

InterDigital presented the document S6-220196 during CC#3.

Samsung, Qualcomm and Motorola Solutions was of the view that this proposal should be dealt with between SA2 and CT1.

The chair proposed to progress the matter further by email.

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

**S6-220209 Constrained devices**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Qualcomm*

**Decision:** The document was **revised to S6-220346**.

**S6-220346 Constrained devices**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Qualcomm*

(Replaces S6-220209)

**Decision:** The document was **revised to S6-220462**.

**S6-220462 Constrained devices**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Qualcomm*

(Replaces S6-220346)

**Discussion:**

Contents of draft S6-220346 rev 1 content.

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

**S6-220210 EDGE-5 APIs**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Qualcomm*

**Decision:** The document was **revised to S6-220347**.

**S6-220347 EDGE-5 APIs**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Qualcomm*

(Replaces S6-220210)

**Discussion:**

The draft S6-220347 rev 1.

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

**S6-220211 Federation and Roaming**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Qualcomm*

**Decision:** The document was **revised to S6-220348**.

**S6-220348 Federation and Roaming**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Qualcomm*

(Replaces S6-220211)

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

**S6-220212 Involved relation for Federation and Roaming**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Qualcomm*

**Decision:** The document was **revised to S6-220349**.

**S6-220349 Involved relation for Federation and Roaming**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Qualcomm*

(Replaces S6-220212)

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

**S6-220213 New KI on linkage between EASs**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Qualcomm*

**Abstract:**

New KI related to question 1 from SA4 LS in S6-220012.

**Decision:** The document was **revised to S6-220350**.

**S6-220350 New KI on linkage between EASs**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Qualcomm*

(Replaces S6-220213)

**Decision:** The document was **revised to S6-220459**.

**S6-220459 New KI on linkage between EASs**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Qualcomm*

(Replaces S6-220350)

**Discussion:**

Contents of draft S6-220350 rev 1.

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

**S6-220251 Key issue on ACR scenarios overlapping**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on ACR scenarios overlapping

**Discussion:**

Huawei presented the document S6-220196 during CC#3.

Apple suggested rephrasing the key issue in a more neutral way.

**Decision:** The document was **revised to S6-220412**.

**S6-220412 Key issue on ACR scenarios overlapping**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220251)

**Decision:** The document was **revised to S6-220460**.

**S6-220460 Key issue on ACR scenarios overlapping**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon, InterDigital*

(Replaces S6-220412)

**Discussion:**

Contents of draft S6-220412 rev 1.

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

**S6-220252 Key issue on EAS discovery in roaming scenario**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on EAS discovery in roaming scenario

**Decision:** The document was **revised to S6-220413**.

**S6-220413 Key issue on EAS discovery in roaming scenario**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220252)

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

**S6-220253 Update to key issue on T-EES discovery for Edge services support across ECSPs**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Update to key issue on T-EES discovery for Edge services support across ECSPs

**Decision:** The document was **revised to S6-220414**.

**S6-220414 Update to key issue on T-EES discovery for Edge services support across ECSPs**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220253)

**Discussion:**

Draft S6-220414 rev 1.

Qualcomm suggested replacing in bullet 6 "policy" with "federaration agreement".

**Decision:** The document was **revised to S6-220457**.

**S6-220457 Update to key issue on T-EES discovery for Edge services support across ECSPs**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220414)

**Discussion:**

Contents of draft S6-220414 rev 1 plus replacing in bullet 6 "policy" with "federaration agreements".

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

**S6-220254 Solution on ACR scenario overlapping**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on ACR scenario overlapping

**Decision:** The document was **revised to S6-220415**.

**S6-220415 Solution on ACR scenario overlapping**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220254)

**Discussion:**

Draft S6-220415 rev 2.

**Decision:** The document was **revised to S6-220470**.

**S6-220470 Solution on ACR scenario overlapping**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220415)

**Discussion:**

Contents of draft S6-220415 rev 2 plus updating the EN under step 3 to read "It is FFS what information and message are required to trigger EES to make ACR scenario determination.”.

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

**S6-220255 Solution on EAS discovery in roaming scenario**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on EAS discovery in roaming scenario

**Discussion:**

Request to postpone from Ericsson, Samsung, Qualcomm.

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

**S6-220256 Solution on T-EAS discovery in roaming scenario**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on T-EAS discovery in roaming scenario

**Discussion:**

Request to postpone from Ericsson, Qualcomm.

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

**S6-220257 Solution on T-EES discovery for roaming scenario**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on T-EES discovery for roaming scenario

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

**S6-220258 Solution on application traffic influence for initial EAS discovery**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on application traffic influence for initial EAS discovery

**Decision:** The document was **revised to S6-220416**.

**S6-220416 Solution on application traffic influence for initial EAS discovery**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220258)

**Discussion:**

Draft S6-220416 rev 1.

**Decision:** The document was **revised to S6-220480**.

**S6-220480 Solution on application traffic influence for initial EAS discovery**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220416)

**Discussion:**

Contents of draft S6-220416 rev 1 plus in step 4:

- replacing "The response contains the EAS information and indicator of performed traffic influence." with "the response contains the discovered EAS list with EAS being traffic influenced.",

- removing the last sentence "The response contains the EAS informaiton and indicator of performed traffic influence".

figure caption mentions 'roaming' and

- removing in the figure caption “roaming”.

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

**S6-220259 Solution for KI#3 - Enhancements to service continuity planning for ACR modification**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for KI#3 - Enhancements to service continuity planning for ACR modification

**Decision:** The document was **revised to S6-220417**.

**S6-220417 Solution for KI#3 - Enhancements to service continuity planning for ACR modification**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220259)

**Discussion:**

Draft S6-220417 rev 1 discussed during the CC.

**Decision:** The document was **revised to S6-220479**.

**S6-220479 Solution for KI#3 - Enhancements to service continuity planning for ACR modification**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220417)

**Discussion:**

Draft S6-220417 rev 2.

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

**S6-220260 Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time

**Decision:** The document was **revised to S6-220418**.

**S6-220418 Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220260)

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

### 9.10 FS\_eUASAPP - Study on enhanced architecture for UAS Applications

**S6-220020 Alignment with the approved study on UAV Ph2 in SA2**

*Type: pCR For: Approval  
 23.700-55 v0.2.0  
 Source: InterDigital*

**Decision:** The document was **revised to S6-220286**.

**S6-220286 Alignment with the approved study on UAV Ph2 in SA2**

*Type: pCR For: Approval  
 23.700-55 v0.2.0  
 Source: InterDigital*

(Replaces S6-220020)

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

**S6-220078 Pseudo-CR on KI of Coordination Between Uu and PC5**

*Type: pCR For: Approval  
 23.700-55 v0.2.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-220335**.

**S6-220335 Pseudo-CR on KI of Coordination Between Uu and PC5**

*Type: pCR For: Approval  
 23.700-55 v0.2.0  
 Source: China Mobile Com. Corporation*

(Replaces S6-220078)

**Decision:** The document was **revised to S6-220471**.

**S6-220471 Pseudo-CR on KI of Coordination Between Uu and PC5**

*Type: pCR For: Approval  
 23.700-55 v0.2.0  
 Source: China Mobile Com. Corporation*

(Replaces S6-220335)

**Discussion:**

Contents of draft S6-220335 rev 1.

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

**S6-220207 Solution to KI#2 – Change of USS during flight**

*Type: pCR For: Approval  
 23.700-55 v0.2.0  
 Source: InterDigital*

**Decision:** The document was **revised to S6-220287**.

**S6-220287 Solution to KI#2 – Change of USS during flight**

*Type: pCR For: Approval  
 23.700-55 v0.2.0  
 Source: InterDigital*

(Replaces S6-220207)

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

### 9.11 FS\_SEALDD - Study on SEAL data delivery enabler for vertical applications

**S6-220032 Key issue on support efficient content delivery**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: AsiaInfo Technologies Inc*

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

**S6-220194 Cache management KI**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Convida Wireless LLC*

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

**S6-220195 Discussion on MSGin5G-SEALDD integration**

*Type: discussion For: Discussion  
 Source: Convida Wireless LLC*

**Discussion:**

Convida Wireles presented the document S6-220195 during the opening call.

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

**S6-220197 Solution for MSGin5G-SEALDD integration**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Convida Wireless LLC*

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

**S6-220245 Key issue on SEALDD coordination with EDGEAPP**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on SEALDD coordination with EDGEAPP

**Decision:** The document was **revised to S6-220407**.

**S6-220407 Key issue on SEALDD coordination with EDGEAPP**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220245)

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

**S6-220246 Key issue on SEALDD enabled Data Caching**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on SEALDD enabled Data Caching

**Decision:** The document was **revised to S6-220408**.

**S6-220408 Key issue on SEALDD enabled Data Caching**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon, AsiaInfo Technologies Inc, Convida Wireless LLC*

(Replaces S6-220246)

**Decision:** The document was **revised to S6-220472**.

**S6-220472 Key issue on SEALDD enabled Data Caching**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon, AsiaInfo Technologies Inc, Convida Wireless LLC*

(Replaces S6-220408)

**Discussion:**

Contents of draft S6-220408 rev 1.

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

**S6-220247 Solution on SEALDD enabled Data Caching**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on SEALDD enabled Data Caching

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

**S6-220248 Key issue on SEALDD server discovery and selection**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on SEALDD server discovery and selection

**Decision:** The document was **revised to S6-220409**.

**S6-220409 Key issue on SEALDD server discovery and selection**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220248)

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

**S6-220249 Solution on KI#1: E2E redundant transmission path establishment**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on KI#1: E2E redundant transmission path establishment

**Decision:** The document was **revised to S6-220410**.

**S6-220410 Solution on KI#1: E2E redundant transmission path establishment**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220249)

**Decision:** The document was **revised to S6-220473**.

**S6-220473 Solution on KI#1: E2E redundant transmission path establishment**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220410)

**Discussion:**

Contents of draft S6-220410 rev 1.

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

**S6-220250 Update to SEALDD architecture for traffic flow description**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Update to SEALDD architecture for traffic flow description

**Decision:** The document was **revised to S6-220411**.

**S6-220411 Update to SEALDD architecture for traffic flow description**

*Type: pCR For: Approval  
 23.700-34 v0.2.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220250)

**Discussion:**

Draft S6-220410 rev 1 content.

Qualcomm suggested updating the figure text wrt to the text describing the behaviour.

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

**S6-220268 SEALDD and MSGin5G**

*Type: discussion For: Discussion  
 Source: Huawei*

**Discussion:**

Huawei presented the late document S6-220268 during the CC#6.

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

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

**S6-220103 Definition of Abbreviations**

*Type: pCR For: Approval  
 23.700-64 v0.2.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution provides a list of abbreviations for this TR.

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

### 9.13 FS\_ADAES - Study on Application Data Analytics Enablement Service

**S6-220082 Proposed skeleton for TR 23.700-36**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

**Abstract:**

Proposed Skeleton for TR 23.700-36

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

**S6-220083 Scope for 3GPP TR 23.700-36**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

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

**S6-220084 Introduction for 3GPP TR 23.700-36**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

**Decision:** The document was **revised to S6-220355**.

**S6-220355 Introduction for 3GPP TR 23.700-36**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-220084)

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

**S6-220086 Proposed functional architecture for ADAES**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

**Decision:** The document was **revised to S6-220356**.

**S6-220356 Proposed functional architecture for ADAES**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-220086)

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

**S6-220166 Key Issue on support for application performance analytics**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution proposes a new key issue on supporting application QoS related analytics at the ADAE layer.

**Decision:** The document was **revised to S6-220357**.

**S6-220357 Key Issue on support for application performance analytics**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-220166)

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

**S6-220167 Key Issue on interactions with SEAL**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution proposes a new key issue on the relation of the ADAE layer with SEAL.

**Decision:** The document was **revised to S6-220358**.

**S6-220358 Key Issue on interactions with SEAL**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-220167)

**Decision:** The document was **revised to S6-220474**.

**S6-220474 Key Issue on interactions with SEAL**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-220358)

**Discussion:**

Contents of draft S6-220358 rev 1.

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

**S6-220169 Key Issue on edge analytics enablement**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution provides a key issue on supporting edge analytics enablement at the ADAE layer.

**Decision:** The document was **revised to S6-220359**.

**S6-220359 Key Issue on edge analytics enablement**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-220169)

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

**S6-220170 Key Issue on support for application data collection coordination**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

**Abstract:**

This paper proposes a new key issue on application data collection coordination at the ADAE layer.

**Discussion:**

Lenovo presented a draft rev1 of document during the CC#6.

**Decision:** The document was **revised to S6-220360**.

**S6-220360 Key Issue on support for application data collection coordination**

*Type: pCR For: Approval  
 23.700-36 v0.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-220170)

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

### 9.14 FS\_PIRatesAPP - Study on Application layer support for Personal IoT and Residential Networks

**S6-220091 Proposed skeleton for 3GPP TR 23.700-78**

*Type: pCR For: Approval  
 23.700-78 v0.0.0  
 Source: vivo*

**Decision:** The document was **revised to S6-220374**.

**S6-220374 Proposed skeleton for 3GPP TR 23.700-78**

*Type: pCR For: Approval  
 23.700-78 v..  
 Source: vivo*

(Replaces S6-220091)

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

**S6-220092 Introduction for 3GPP TR 23.700-78**

*Type: pCR For: Approval  
 23.700-78 v0.0.0  
 Source: vivo*

**Decision:** The document was **revised to S6-220375**.

**S6-220375 Introduction for 3GPP TR 23.700-78**

*Type: pCR For: Approval  
 23.700-78 v..  
 Source: vivo*

(Replaces S6-220092)

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

**S6-220093 Scope for 3GPP TR 23.700-78**

*Type: pCR For: Approval  
 23.700-78 v0.0.0  
 Source: vivo*

**Decision:** The document was **revised to S6-220376**.

**S6-220376 Scope for 3GPP TR 23.700-78**

*Type: pCR For: Approval  
 23.700-78 v..  
 Source: vivo*

(Replaces S6-220093)

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

**S6-220094 New KI on PIN Management**

*Type: pCR For: Approval  
 23.700-78 v0.0.0  
 Source: vivo*

**Decision:** The document was **revised to S6-220377**.

**S6-220377 New KI on PIN Management**

*Type: pCR For: Approval  
 Source: vivo*

(Replaces S6-220094)

**Decision:** The document was **revised to S6-220475**.

**S6-220475 New KI on PIN Management**

*Type: pCR For: Approval  
 Source: vivo*

(Replaces S6-220377)

**Discussion:**

Contents of draft S6-220377 rev 2.

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

**S6-220095 New KI on route control of PIN**

*Type: pCR For: Approval  
 23.700-78 v0.0.0  
 Source: vivo*

**Decision:** The document was **revised to S6-220378**.

**S6-220378 New KI on PINAPP accesses 5G network by application mechanism**

*Type: pCR For: Approval  
 23.700-78 v0.0.0  
 Source: vivo*

(Replaces S6-220095)

**Decision:** The document was **revised to S6-220476**.

**S6-220476 New KI on PINAPP accesses 5G network by application mechanism**

*Type: pCR For: Approval  
 23.700-78 v0.0.0  
 Source: vivo*

(Replaces S6-220378)

**Discussion:**

Contents of draft S6-220378 rev 2.

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

## 10 Future work / New WIDs (including related contributions)

**S6-220019 Revised SID on Study on enhanced architecture for UAS Applications**

*Type: SID revised For: Agreement  
 Source: InterDigital*

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

**S6-220062 Revised SID on Service Function Chaining support for Edge Data Networks**

*Type: SID new For: Approval  
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-212737)

**Discussion:**

Intel presented the draft S6-220062 rev3 during the CC#7.

**Decision:** The document was **revised to S6-220300**.

**S6-220300 Revised SID on Service Function Chaining support for Edge Data Networks**

*Type: SID new For: Approval  
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-220062)

**Discussion:**

Huawei suggested awaiting SA2 study completion.

Intel will bring back this SID, based upon the relevant study outcome, within subsequent SA6 meetings.

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

**S6-220074 New WID on Interconnection and Migration Aspects for Railways**

*Type: WID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell, UIC, Kontron Transportation France*

**Abstract:**

Starts normative work phase for the FS\_IRail study

**Decision:** The document was **revised to S6-220279**.

**S6-220279 New WID on Interconnection and Migration Aspects for Railways**

*Type: WID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell, UIC, Kontron Transportation France*

(Replaces S6-220074)

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

**S6-220090 Study on Application layer support for Personal IoT Networks**

*Type: SID revised For: Agreement  
 Source: vivo Mobile Communications Ltd, China Unicom, China Telecom, Spreadtrum*

**Abstract:**

Revised SID Study on Application layer support for Personal IoT Networks.

**Discussion:**

Revision of SP-211515.

**Decision:** The document was **revised to S6-220373**.

**S6-220373 Revised SID Study on Application layer support for Personal IoT Networks**

*Type: SID revised For: Agreement  
 Source: vivo Mobile Communications Ltd, China Unicom, China Telecom, Spreadtrum*

(Replaces S6-220090)

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

**S6-220173 New WID on support of the 5GMSG Service phase 2**

*Type: WID new For: Approval  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-220316**.

**S6-220316 New WID on support of the 5GMSG Service phase 2**

*Type: WID new For: Approval  
 Source: China Mobile Com. Corporation*

(Replaces S6-220173)

**Decision:** The document was **revised to S6-220477**.

**S6-220477 New WID on support of the 5GMSG Service phase 2**

*Type: WID new For: Approval  
 Source: China Mobile Com. Corporation*

(Replaces S6-220316)

**Discussion:**

Contents of draft S6-220316 rev 1.

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

**S6-220205 Revised SID on Application Capability Exposure for IoT Platforms**

*Type: SID revised For: Approval  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220333**.

**S6-220333 Revised SID on Application Capability Exposure for IoT Platforms**

*Type: SID revised For: Approval  
 Source: Convida Wireless LLC*

(Replaces S6-220205)

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

**S6-220267 Revised SID on 5G-enabled fused location service capability exposure**

*Type: SID revised For: Agreement  
 Source: CATT*

**Discussion:**

Late contribution to consider replaced rapporteur.

**Decision:** The document was **revised to S6-220427**.

**S6-220427 Revised SID on 5G-enabled fused location service capability exposure**

*Type: SID revised For: Agreement  
 Source: CATT*

(Replaces S6-220267)

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

## 11 Work Plan review

**S6-220109 Revised SID on application enablement aspects for subscriber-aware northbound API access**

*Type: SID revised For: Approval  
 Source: NTT DOCOMO*

**Abstract:**

The expected time scale for TR approval is proposed to shift by three months (from March to June 2022)

**Decision:** The document was **revised to S6-220424**.

**S6-220424 Revised SID on application enablement aspects for subscriber-aware northbound API access**

*Type: SID revised For: Approval  
 Source: NTT DOCOMO*

(Replaces S6-220109)

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

**S6-220073 Presentation TR 23.700-90 to TSG for Approval**

*Type: TS or TR cover For: Agreement  
 23.700-90 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Cover sheet for approval of TR 23.700-90 (FS\_IRail)

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

**S6-220178 Presentation of TR23.700-99 to TSG**

*Type: TS or TR cover For: (not specified)  
 23.700-99 v0.4.0  
 Source: China Mobile (Suzhou) Software*

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

**S6-220428 SA6#47-e Work Plan Review**

*Type: discussion For: Discussion  
 Source: SA6 chair*

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

## 12 Future meetings

For the list of meeting please see Annes I.

## 13 AOB

None

## 14 Close of the meeting

Report prepared by: MCC

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S6-220001 | SA6 Meeting 47-e Agenda | SA6 Chair | noted |  |  |
| S6-220002 | SA6 Meeting 46-e Report | MCC | approved |  |  |
| S6-220003 | SA6 Meeting #47-e - Agenda with Tdocs allocation after submission deadline | SA6 Chair | noted |  |  |
| S6-220004 | SA6 Meeting #47-e - Agenda with Tdocs allocation at start of the meeting | SA6 Chair | approved |  |  |
| S6-220005 | SA6 Meeting #47-e - Chairman's notes at end of the meeting | SA6 Chair | revised |  | S6-220481 |
| S6-220006 | Liaison about Publication of Standard MEF 84 Network Slice Service and Attributes | MEF Forum | noted |  |  |
| S6-220007 | Further reply on MBS broadcast service continuity | RAN2 | noted |  |  |
| S6-220008 | Reply LS on Bearer pre-emption rate limit issue for GBR bearer establishment in MC systems | RAN3 | noted |  |  |
| S6-220009 | LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT | SA3 | postponed |  |  |
| S6-220010 | Reply LS to CT3 Questions and Feedback on EVEX | SA4 | noted |  |  |
| S6-220011 | Reply LS on maximum number of MBS sessions that can be associated to a PDU session | SA2 | replied to |  |  |
| S6-220012 | LS on follow-up on EAS definition | SA4 | replied to |  |  |
| S6-220013 | Reply LS from GSMA Operator Platform Group to 3GPP SA, SA2, SA5, SA6 and ETSI ISG MEC on edge computing definition and integration | GSMA OPG (Operator Platform Group) | noted |  |  |
| S6-220014 | LS on Identification of ACRs | CT1 | replied to |  |  |
| S6-220015 | Reply LS on Prioritized Vehicle to Cloud Technical Solutions (Automotive Edge Computing Consortium (AECC)) | SA5 | noted |  |  |
| S6-220016 | Reply LS on 3GPP SA1 clarifications on problematic UAV | SA1 | noted |  |  |
| S6-220017 | Reply LS from GSMA Operator Platform API Group to 3GPP SA, SA2, SA5, SA6 and ETSI ISG MEC on edge computing definition and integration. | GSMA Operator Platform API Group | noted |  |  |
| S6-220018 | LS on Energy Efficiency as guiding principle for new solutions | SA | noted |  |  |
| S6-220019 | Revised SID on Study on enhanced architecture for UAS Applications | InterDigital | agreed |  |  |
| S6-220020 | Alignment with the approved study on UAV Ph2 in SA2 | InterDigital | revised |  | S6-220286 |
| S6-220021 | Solution for KI#9 - Enhancement of dynamic EAS instantiation triggering | InterDigital | revised | S6-212719 | S6-220285 |
| S6-220022 | Correction of two information flow descriptions | BDBOS | agreed |  |  |
| S6-220023 | Correction to On-demand usage of location information procedure | BDBOS | agreed |  |  |
| S6-220024 | CR on Authorization of MCPTT user at LMS | BDBOS | withdrawn |  |  |
| S6-220025 | CR on authorization of MCData user at LMS | BDBOS | withdrawn |  |  |
| S6-220026 | CR on authorization of MCVideo user at LMS | BDBOS | withdrawn |  |  |
| S6-220027 | Discussion paper on authorization of MC service user at LMS | BDBOS | withdrawn |  |  |
| S6-220028 | Edge Notification Server | AT&T | revised |  | S6-220274 |
| S6-220029 | Selected T-EAS declaration procedure corrections | VODAFONE Group Plc | revised |  | S6-220280 |
| S6-220030 | Solution for KI#10 - V-ECS Discovery via the H-ECS | InterDigital | revised |  | S6-220284 |
| S6-220031 | Alignment of section 4.7 of 23.289 with latest version of 23.247 (v 17.1.0) | AT&T | revised |  | S6-220275 |
| S6-220032 | Key issue on support efficient content delivery | AsiaInfo Technologies Inc | merged |  | S6-220408 |
| S6-220033 | FS\_NSCALE architectural requirements | AsiaInfo Technologies Inc | revised |  | S6-220305 |
| S6-220034 | FS\_NSCALE solution evaluation for solution 4 | AsiaInfo Technologies Inc, | revised |  | S6-220308 |
| S6-220035 | FS\_NSCALE Update the architecture for network slice capability enablement | AsiaInfo Technologies Inc, | revised |  | S6-220307 |
| S6-220036 | FS\_NSCALE Solution to key issue #12 on the modification of NSCE server | AsiaInfo Technologies Inc | postponed |  |  |
| S6-220037 | Solution to KI #6 on application layer dynamic slice SLA alignment capability | AsiaInfo Technologies Inc | postponed |  |  |
| S6-220038 | FS\_eEDGEAPP the procedure for solution #11 EASs to invoke MEC services API using CAPIF | AsiaInfo Technologies Inc | postponed |  |  |
| S6-220039 | FS\_eEDGEAPP architectural requirements | AsiaInfo Technologies Inc | revised |  | S6-220309 |
| S6-220040 | New Solution for call transfer between MCPTT users in different MCPTT systems | Kontron Transportation France, Nokia, Nokia Shanghai Bell | revised |  | S6-220304 |
| S6-220041 | Correction of Enhanced Status description | Sepura Ltd | revised |  | S6-220282 |
| S6-220042 | LS on clarifications to the Application Context Relocation (ACR) functionality | CT3 | replied to |  |  |
| S6-220043 | LS on Enquires on Application Context Relocation (ACR) functionality | CT1, CT3 | replied to |  |  |
| S6-220044 | LS on ECS provider identification in ECS address provisioning | CT1 | replied to |  |  |
| S6-220045 | LS on MBS Service Area Identity and start procedure for broadcast service | RAN3 | noted |  |  |
| S6-220046 | Reply LS on energy efficiency as guiding principle for new solutions | SA5 | noted |  |  |
| S6-220047 | Reply LS on slicing management aspects in relation to SEAL | SA5 | noted |  |  |
| S6-220048 | Reply LS on network slice management service consumption | SA5 | noted |  |  |
| S6-220049 | TR skeleton for the study on Ad hoc group communications support for mission critical services | Samsung Electronics | approved |  |  |
| S6-220050 | Pseudo-CR on adding description to Introduction sections | Samsung Electronics | approved |  |  |
| S6-220051 | Pseudo-CR on adding description to Scope section | Samsung Electronics | approved |  |  |
| S6-220052 | Pseudo-CR on adding description to References and Definition sections | Samsung Electronics | approved |  |  |
| S6-220053 | Pseudo-CR on Key issue 1 for Ad hoc group communication | Samsung, FirstNet, AT&T, Nokia, Nokia Shanghai Bell, Kontron Transportation France, UIC | revised |  | S6-220345 |
| S6-220054 | Pseudo-CR on Key issue 2 for Ad hoc group communication | Samsung, FirstNet, AT&T, Nokia, Nokia Shanghai Bell, Kontron Transportation France, UIC | approved |  |  |
| S6-220055 | Pseudo-CR on Key issue 3 for Ad hoc group communication | Samsung, FirstNet, AT&T, Nokia, Nokia Shanghai Bell, Kontron Transportation France, UIC | approved |  |  |
| S6-220056 | Pseudo-CR on Solution proposal for key issue 1 | Samsung, FirstNet, AT&T | revised |  | S6-220343 |
| S6-220057 | MCPTT Group ID for pre-configured group call | AT&T GNS Belgium SPRL | agreed |  |  |
| S6-220058 | Resolve the ENs in clause 7.8 | AT&T GNS Belgium SPRL | approved |  |  |
| S6-220059 | FFAPP Architecture | ZTE Corporation | revised |  | S6-220323 |
| S6-220060 | FFAPP Deployment models | ZTE Corporation | revised |  | S6-220324 |
| S6-220061 | FFAPP Involved entities and relationships | ZTE Corporation | approved |  |  |
| S6-220062 | Revised SID on Service Function Chaining support for Edge Data Networks | Intel Technology India Pvt Ltd | revised | S6-212737 | S6-220300 |
| S6-220063 | Control of allowing service continuity planning | Samsung | revised |  | S6-220352 |
| S6-220064 | Update ECS configuration information to support roaming and federation | Samsung | revised |  | S6-220353 |
| S6-220065 | Solution on enhancement of service continuity planning | Samsung | postponed |  |  |
| S6-220066 | Editorial corrections around the MC gateway UE solution | Nokia, Nokia Shanghai Bell, UIC | agreed |  |  |
| S6-220067 | Functional model reference points | Nokia, Nokia Shanghai Bell, UIC | revised |  | S6-220276 |
| S6-220068 | Functional model media plane aspects | Nokia, Nokia Shanghai Bell, UIC | revised |  | S6-220277 |
| S6-220069 | Using identities behind the MC gateway UE | Nokia, Nokia Shanghai Bell, UIC | revised |  | S6-220278 |
| S6-220070 | MC gateway UE routing capabilties | Nokia, Nokia Shanghai Bell, UIC | agreed |  |  |
| S6-220071 | Overall evaluation udate | Nokia, Nokia Shanghai Bell, UIC | approved |  |  |
| S6-220072 | Study Conclusions | Nokia, Nokia Shanghai Bell, UIC | approved |  |  |
| S6-220073 | Presentation TR 23.700-90 to TSG for Approval | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S6-220074 | New WID on Interconnection and Migration Aspects for Railways | Nokia, Nokia Shanghai Bell, UIC, Kontron Transportation France | revised |  | S6-220279 |
| S6-220075 | ECS provider ID correction | Nokia, Nokia Shanghai Bell | postponed |  |  |
| S6-220076 | Reply LS on ECS provider identification in ECS address provisioning | Nokia, Nokia Shanghai Bell | postponed |  |  |
| S6-220077 | Pseudo-CR on Reference to CAPIF Architecture | China Mobile Com. Corporation | approved |  |  |
| S6-220078 | Pseudo-CR on KI of Coordination Between Uu and PC5 | China Mobile Com. Corporation | revised |  | S6-220335 |
| S6-220079 | Pseudo-CR on Preconditions of Solution 7 | China Mobile Com. Corporation | revised |  | S6-220334 |
| S6-220080 | Pseudo-CR on Reference to CAPIF Architecture | China Mobile Com. Corporation | merged |  | S6-220104 |
| S6-220081 | solution for KI 10 | China Mobile Com. Corporation | revised |  | S6-220336 |
| S6-220082 | Proposed skeleton for TR 23.700-36 | Lenovo Future Communications | approved |  |  |
| S6-220083 | Scope for 3GPP TR 23.700-36 | Lenovo Future Communications | approved |  |  |
| S6-220084 | Introduction for 3GPP TR 23.700-36 | Lenovo Future Communications | revised |  | S6-220355 |
| S6-220085 | Proposed skeleton for TR 23.700-38 | BDBOS | approved |  |  |
| S6-220086 | Proposed functional architecture for ADAES | Lenovo Future Communications | revised |  | S6-220356 |
| S6-220087 | A UE capability to identify ECS address providers | vivo | revised |  | S6-220372 |
| S6-220088 | Discussion paper: A UE capability to identify ECS address providers | vivo | noted |  |  |
| S6-220089 | LS Reply on ECS provider identification in ECS address provisioning | vivo | merged |  | S6-220076 |
| S6-220090 | Study on Application layer support for Personal IoT Networks | vivo Mobile Communications Ltd, China Unicom, China Telecom, Spreadtrum | revised | - | S6-220373 |
| S6-220091 | Proposed skeleton for 3GPP TR 23.700-78 | vivo | revised |  | S6-220374 |
| S6-220092 | Introduction for 3GPP TR 23.700-78 | vivo | revised |  | S6-220375 |
| S6-220093 | Scope for 3GPP TR 23.700-78 | vivo | revised |  | S6-220376 |
| S6-220094 | New KI on PIN Management | vivo | revised |  | S6-220377 |
| S6-220095 | New KI on route control of PIN | vivo | revised |  | S6-220378 |
| S6-220096 | Scope for TR 23.700-38 | BDBOS | approved |  |  |
| S6-220097 | Correct the terminologies of NSCM to NSCE | HUAWEI TECHNOLOGIES Co. Ltd. | approved |  |  |
| S6-220098 | Add expansions of the abbreviations | HUAWEI TECHNOLOGIES Co. Ltd. | approved |  |  |
| S6-220099 | Add solutions of communication service management | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-220337 |
| S6-220100 | Address Editor's notes in the clause of requirements and architectures | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-220338 |
| S6-220101 | New reference point between ECSs for the non-roaming scenario | NTT DOCOMO | revised |  | S6-220420 |
| S6-220102 | Modify figure for low power mode support procedure | NTT DOCOMO | approved |  |  |
| S6-220103 | Definition of Abbreviations | NTT DOCOMO | approved |  |  |
| S6-220104 | Addition of reference | NTT DOCOMO | revised |  | S6-220421 |
| S6-220105 | Discussion on the near real-time consent | NTT DOCOMO | withdrawn |  |  |
| S6-220106 | Evaluation of Solution #3 | NTT DOCOMO | revised |  | S6-220422 |
| S6-220107 | Near real-time consent | NTT DOCOMO | revised |  | S6-220423 |
| S6-220108 | Constraint of roaming scenario | NTT DOCOMO | postponed |  |  |
| S6-220109 | Revised SID on application enablement aspects for subscriber-aware northbound API access | NTT DOCOMO | revised |  | S6-220424 |
| S6-220110 | Address Editor's notes of fault management | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-220339 |
| S6-220111 | Discussion on the near real-time consent | NTT DOCOMO INC. | noted |  |  |
| S6-220112 | Add Geographic area to user profile configuration data | TD Tech Ltd | postponed |  |  |
| S6-220113 | FS\_NSCALE\_solution evaluation for solution 4 QoS verification capability | Huawei Tech.(UK) Co.. Ltd | merged |  | S6-220034 |
| S6-220114 | Discussion on fused location service architecture | CATT | noted |  |  |
| S6-220115 | Pseudo-CR on solution#1 update | CATT | withdrawn |  |  |
| S6-220116 | Pseudo-CR on solution for supporting geo-fencing applications | CATT | withdrawn |  |  |
| S6-220117 | Mapping Considerations of EAS IE and MEC App Instance IE | Intel Technology India Pvt Ltd | revised |  | S6-220301 |
| S6-220118 | EAS Profile update for accessing EES APIs from MEC App Instance | Intel Technology India Pvt Ltd | revised |  | S6-220302 |
| S6-220119 | FS\_NSCALE solution evaluation for solution 5 Network slice related performance and analytics exposure | Huawei Tech.(UK) Co.. Ltd | revised |  | S6-220322 |
| S6-220120 | Further Operator Platform Group questions following SDO Workshop | GSMA OPG (Operator Platform API Group) | replied to |  |  |
| S6-220121 | architecture requirement update | China Mobile (Suzhou) Software | revised |  | S6-220310 |
| S6-220122 | Application architecture update | China Mobile (Suzhou) Software | merged |  | S6-220035 |
| S6-220123 | Deployment models | China Mobile (Suzhou) Software | postponed |  | - |
| S6-220124 | Key issue on network slice optimization | China Mobile (Suzhou) Software,Huawei | revised |  | S6-220313 |
| S6-220125 | solution for network slice optimization | China Mobile (Suzhou) Software,Lenovo, Huawei | revised |  | S6-220314 |
| S6-220126 | solution 5 update | China Mobile (Suzhou) Software | approved |  |  |
| S6-220127 | Solution for KI#12- EAS discovery for different users | China Mobile (Suzhou) Software | revised |  | S6-220315 |
| S6-220128 | Solve the EN about ECS configuration information | China Mobile (Suzhou) Software | revised |  | S6-220317 |
| S6-220129 | Correction on Message Segment Recovery | Huawei, Hisilicon | revised |  | S6-220362 |
| S6-220130 | Correction on Point-to-Point Message Segmentation and Reassembly | Huawei, Hisilicon | revised |  | S6-220363 |
| S6-220131 | Correction on Usage of Network Capabilities | Huawei, Hisilicon | revised |  | S6-220435 |
| S6-220132 | Editoral corrections | Huawei, Hisilicon | revised |  | S6-220436 |
| S6-220133 | Updating aspects related to the MBS resources update | Ericsson | revised |  | S6-220269 |
| S6-220134 | Alignment of some information flows within TS 23.289 | Ericsson | revised |  | S6-220270 |
| S6-220135 | Correction the last step of Segmentation and Reassembly | Huawei, Hisilicon | postponed |  |  |
| S6-220136 | Use of 5G ProSe UE-to-network relay service for MCx services | Ericsson | revised |  | S6-220271 |
| S6-220137 | Updating aspects and terminology related to MBS session creation and MC traffic transmission | Ericsson | revised |  | S6-220272 |
| S6-220138 | Updating the MBS session release related terminology and aspects | Ericsson | revised |  | S6-220273 |
| S6-220139 | NS Life Cycle for 3rd Party | Samsung Electronics Polska | noted |  |  |
| S6-220140 | new KI on advertisement of the existing Network Slice to 3rd party | Samsung Electronics Polska | revised |  | S6-220379 |
| S6-220141 | new KI on Network Slice creation for the 3rd party | Samsung Electronics Polska | revised |  | S6-220381 |
| S6-220142 | Minor corrections to the procedures related to MBS session creation | Samsung Electronics | revised |  | S6-220342 |
| S6-220143 | Removal of Gate Control EN | Ericsson Hungary Ltd | postponed |  |  |
| S6-220144 | Updates in Annexure Figure Caption | Intel Technology India Pvt Ltd | revised |  | S6-220303 |
| S6-220145 | Solution #8 update: CAPIF interconnection for EAS Service APIs | ETRI, Uangel | revised |  | S6-220299 |
| S6-220146 | Solution #11 update: interacting procedures via CAPIF interconnection | ETRI, Uangel | merged |  | S6-220038 |
| S6-220147 | Pseudo-CR on solution#1 update | CATT | revised |  | S6-220425 |
| S6-220148 | Pseudo-CR on solution for supporting geo-fencing applications | CATT | postponed |  |  |
| S6-220149 | Pseudo-CR on update on solution #4 | CATT | revised |  | S6-220426 |
| S6-220150 | Pseudo-CR on evaluation on solution #6 | CATT | postponed |  |  |
| S6-220151 | SA for information | CATT | withdrawn |  |  |
| S6-220152 | Fix consistency issue | Ericsson | revised |  | S6-220292 |
| S6-220153 | Remove ACR example in UE ID API | Ericsson | revised |  | S6-220288 |
| S6-220154 | Solve ACR API inconsistency | Ericsson | revised |  | S6-220293 |
| S6-220155 | Solve EN for ACR co-existence | Ericsson | revised |  | S6-220290 |
| S6-220156 | Clarify the VAL UE ID | Ericsson | agreed |  |  |
| S6-220157 | Correct TSC stream availability discovery | Ericsson | withdrawn |  |  |
| S6-220158 | Complete location retrieval in an area | Ericsson | revised |  | S6-220291 |
| S6-220159 | Constraint device in EDGEAPP | Ericsson | revised |  | S6-220380 |
| S6-220160 | New KI Simultaneous EAS Connectivity in ACR | Ericsson | revised |  | S6-220297 |
| S6-220161 | Support simultaneous EAS Connectivity in ACR | Ericsson | revised |  | S6-220298 |
| S6-220162 | Discover a proper AEF | Ericsson | revised |  | S6-220294 |
| S6-220163 | UE-originated API invocation within CAPIF | Ericsson | revised |  | S6-220295 |
| S6-220164 | Initial EAS selection declaration | Ericsson | revised | S6-212778 | S6-220296 |
| S6-220165 | Correct QoS monitoring service | Ericsson | revised |  | S6-220289 |
| S6-220166 | Key Issue on support for application performance analytics | Lenovo Future Communications | revised |  | S6-220357 |
| S6-220167 | Key Issue on interactions with SEAL | Lenovo Future Communications | revised |  | S6-220358 |
| S6-220168 | New solution for enhancements to service continuity planning | KPN N.V., Ericsson | revised |  | S6-220332 |
| S6-220169 | Key Issue on edge analytics enablement | Lenovo Future Communications | revised |  | S6-220359 |
| S6-220170 | Key Issue on support for application data collection coordination | Lenovo Future Communications | revised |  | S6-220360 |
| S6-220171 | Update of Key Issue 12 | Lenovo Future Communications | revised |  | S6-220361 |
| S6-220172 | Solution on slice optimization for edge based NSCE deployments | Lenovo Future Communications | postponed |  |  |
| S6-220173 | New WID on support of the 5GMSG Service phase 2 | China Mobile Com. Corporation | revised |  | S6-220316 |
| S6-220174 | Clarification on clause 5.3.3 functional entity of MSGin5G Client | China Mobile Com. Corporation | revised |  | S6-220318 |
| S6-220175 | correction on clause 8.8 Other MSGin5G messaging related procedures | China Mobile Com. Corporation | revised |  | S6-220319 |
| S6-220176 | Correct TSC stream availability discovery | Ericsson | agreed |  |  |
| S6-220177 | Clarification and correction on clause 8.11 Constrained devices | China Mobile Com. Corporation | revised |  | S6-220320 |
| S6-220178 | Presentation of TR23.700-99 to TSG | China Mobile (Suzhou) Software | agreed |  |  |
| S6-220179 | Pseudo-CR on Key issue #X: EAS discovery for multi-player sessions | Apple GmbH | revised |  | S6-220281 |
| S6-220180 | Pseudo-CR on Solution proposal for Key issue #X: EAS discovery for multi-player sessions | Apple GmbH | postponed |  |  |
| S6-220181 | New KI Method of supporting federated EAS service | Samsung Electronics Benelux BV | revised |  | S6-220340 |
| S6-220182 | FS\_ACE\_IOT\_Reference points for Application Service Management | Samsung | revised |  | S6-220364 |
| S6-220183 | FS\_ACE\_IoT\_Status collection from ASM client | Samsung | revised |  | S6-220365 |
| S6-220184 | Implicit registration handling in service continuity | Samsung | revised |  | S6-220366 |
| S6-220185 | FS\_eEDGEAPP\_Solution to KI#3 | Samsung | revised |  | S6-220367 |
| S6-220186 | FS\_eEDGEAPP\_solution to KI#13 | Samsung | postponed |  |  |
| S6-220187 | Definitions of Gateway UE and Relay UE | Samsung | revised |  | S6-220368 |
| S6-220188 | FS\_SNAAPP-KI\_Resource Owner Related API | Samsung | postponed |  | - |
| S6-220189 | FS\_SNAAPP-Solution to KI#4 | Samsung | postponed |  | - |
| S6-220190 | Service Provisioning correction | Convida Wireless LLC | revised |  | S6-220341 |
| S6-220191 | EAS selection synchronization at registration | Convida Wireless LLC | revised |  | S6-220325 |
| S6-220192 | ECS announcement | Convida Wireless LLC | noted |  |  |
| S6-220193 | End-to-End AC interaction via Common EAS KI | Convida Wireless LLC | revised |  | S6-220327 |
| S6-220194 | Cache management KI | Convida Wireless LLC | merged |  | S6-220246 |
| S6-220195 | Discussion on MSGin5G-SEALDD integration | Convida Wireless LLC | noted |  |  |
| S6-220196 | Solution for KI#10 - V-ECS Discovery during Steering of Roaming | InterDigital | noted |  |  |
| S6-220197 | Solution for MSGin5G-SEALDD integration | Convida Wireless LLC | noted |  |  |
| S6-220198 | Terminology alignment and corrections | Convida Wireless LLC | revised |  | S6-220328 |
| S6-220199 | Obtaining RO consent enhancements | Convida Wireless LLC | revised |  | S6-220329 |
| S6-220200 | Onboarding UE API Invokers | Convida Wireless LLC | revised |  | S6-220330 |
| S6-220201 | LS on FS\_eEDGEAPP Solution for Support of Roaming UEs | InterDigital | revised |  | S6-220283 |
| S6-220202 | IoT Platform functional models | Convida Wireless LLC | revised |  | S6-220326 |
| S6-220203 | UE activity pattern and monitoring solution | Convida Wireless LLC | noted |  |  |
| S6-220204 | Device Triggering Services Solution | Convida Wireless LLC | revised |  | S6-220331 |
| S6-220205 | Revised SID on Application Capability Exposure for IoT Platforms | Convida Wireless LLC | revised |  | S6-220333 |
| S6-220206 | EPS interworking requirements | Ericsson | agreed |  |  |
| S6-220207 | Solution to KI#2 – Change of USS during flight | InterDigital | revised |  | S6-220287 |
| S6-220208 | MC services over 5GS supporting EPS interworking | Ericsson | agreed |  |  |
| S6-220209 | Constrained devices | Qualcomm | revised |  | S6-220346 |
| S6-220210 | EDGE-5 APIs | Qualcomm | revised |  | S6-220347 |
| S6-220211 | Federation and Roaming | Qualcomm | revised |  | S6-220348 |
| S6-220212 | Involved relation for Federation and Roaming | Qualcomm | revised |  | S6-220349 |
| S6-220213 | New KI on linkage between EASs | Qualcomm | revised |  | S6-220350 |
| S6-220214 | Network notifications of EPS interworking related events | Ericsson | agreed |  |  |
| S6-220215 | Update to inter-system switching between 5G MBS and eMBMS procedures | Ericsson | agreed |  |  |
| S6-220216 | Stage 3 identified issues for EDGEAPP | Huawei, Hisilicon | noted |  |  |
| S6-220217 | Adding missing events for ACR notifications | Huawei, Hisilicon | revised |  | S6-220382 |
| S6-220218 | Correction of ACR request and response messages | Huawei, Hisilicon | agreed |  |  |
| S6-220219 | Unique identification in ACR procedures | Huawei, Hisilicon | revised |  | S6-220383 |
| S6-220220 | Unique identification of the EEC context in ACR procedures | Huawei, Hisilicon | revised |  | S6-220384 |
| S6-220221 | Reply LS on Enquires on Application Context Relocation (ACR) functionality | Huawei, Hisilicon | revised |  | S6-220385 |
| S6-220222 | Reply LS on Identification of ACRs | Huawei, Hisilicon | revised |  | S6-220386 |
| S6-220223 | Reply LS on clarifications to the Application Context Relocation (ACR) functionality | Huawei, Hisilicon | revised |  | S6-220387 |
| S6-220224 | Correction to clarify about sharing location information across VAL servers | Huawei, Hisilicon | revised |  | S6-220388 |
| S6-220225 | Corrections for operations of C2 communication mode switching | Huawei, Hisilicon | revised |  | S6-220389 |
| S6-220226 | Correction for realtime UAV status | Huawei, Hisilicon | agreed |  |  |
| S6-220227 | Clean up of EPS-5GMBS interworking | Huawei, Hisilicon | revised |  | S6-220390 |
| S6-220228 | Clean up of switching between unicast and 5G MBS, between LTE eMBMS and 5G MBS | Huawei, Hisilicon | revised |  | S6-220391 |
| S6-220229 | Enhanced MCPTT group call setup procedure with 5MBS session | Huawei, Hisilicon | revised |  | S6-220392 |
| S6-220230 | Information flows for media distribution over 5MBS | Huawei, Hisilicon | revised |  | S6-220393 |
| S6-220231 | Description of 5G MBS usage for MCData | Huawei, Hisilicon | revised |  | S6-220394 |
| S6-220232 | Updates to usage of 5MBS for MCVideo | Huawei, Hisilicon | revised |  | S6-220395 |
| S6-220233 | Corrections to align with SA2 5G MBS specification | Huawei, Hisilicon | revised |  | S6-220396 |
| S6-220234 | Usage of FEC capabilities | Huawei, Hisilicon | revised |  | S6-220397 |
| S6-220235 | Architectural model over 5G ProSe | Huawei, Hisilicon | revised |  | S6-220398 |
| S6-220236 | Off-network functional model over 5G ProSe | Huawei, Hisilicon | revised |  | S6-220399 |
| S6-220237 | Off network group communication for MC service | Huawei, Hisilicon | agreed |  |  |
| S6-220238 | Off network private communication for MC service | Huawei, Hisilicon | revised |  | S6-220400 |
| S6-220239 | 5G ProSe UE-to-network relay for MC service | Huawei, Hisilicon | revised |  | S6-220401 |
| S6-220240 | Service continuity with a 5G ProSe UE-to-network relay for MBMS | Huawei, Hisilicon | revised |  | S6-220402 |
| S6-220241 | Communication with FFAPP service requirements | Huawei, Hisilicon | revised |  | S6-220403 |
| S6-220242 | MCData via full service mode | Huawei, Hisilicon | revised |  | S6-220404 |
| S6-220243 | Key Issue on Ad hoc group call | Huawei, Hisilicon | revised |  | S6-220405 |
| S6-220244 | Solution for Ad hoc group call | Huawei, Hisilicon | revised |  | S6-220406 |
| S6-220245 | Key issue on SEALDD coordination with EDGEAPP | Huawei, Hisilicon | revised |  | S6-220407 |
| S6-220246 | Key issue on SEALDD enabled Data Caching | Huawei, Hisilicon | revised |  | S6-220408 |
| S6-220247 | Solution on SEALDD enabled Data Caching | Huawei, Hisilicon | postponed |  |  |
| S6-220248 | Key issue on SEALDD server discovery and selection | Huawei, Hisilicon | revised |  | S6-220409 |
| S6-220249 | Solution on KI#1: E2E redundant transmission path establishment | Huawei, Hisilicon | revised |  | S6-220410 |
| S6-220250 | Update to SEALDD architecture for traffic flow description | Huawei, Hisilicon | revised |  | S6-220411 |
| S6-220251 | Key issue on ACR scenarios overlapping | Huawei, Hisilicon | revised |  | S6-220412 |
| S6-220252 | Key issue on EAS discovery in roaming scenario | Huawei, Hisilicon | revised |  | S6-220413 |
| S6-220253 | Update to key issue on T-EES discovery for Edge services support across ECSPs | Huawei, Hisilicon | revised |  | S6-220414 |
| S6-220254 | Solution on ACR scenario overlapping | Huawei, Hisilicon | revised |  | S6-220415 |
| S6-220255 | Solution on EAS discovery in roaming scenario | Huawei, Hisilicon | postponed |  |  |
| S6-220256 | Solution on T-EAS discovery in roaming scenario | Huawei, Hisilicon | postponed |  |  |
| S6-220257 | Solution on T-EES discovery for roaming scenario | Huawei, Hisilicon | postponed |  |  |
| S6-220258 | Solution on application traffic influence for initial EAS discovery | Huawei, Hisilicon | revised |  | S6-220416 |
| S6-220259 | Solution for KI#3 - Enhancements to service continuity planning for ACR modification | Huawei, Hisilicon | revised |  | S6-220417 |
| S6-220260 | Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time | Huawei, Hisilicon | revised |  | S6-220418 |
| S6-220261 | Update to Functional model solution | Huawei, Hisilicon | revised |  | S6-220419 |
| S6-220262 | Reply LS on maximum number of MBS sessions that can be associated to a PDU session | SA6 | approved | - | - |
| S6-220263 | Reply LS on further Operator Platform Group questions following SDO Workshop | Samsung | revised | - | S6-220432 |
| S6-220264 | Reply LS on follow-up on EAS definition | SA6 | revised | - | S6-220351 |
| S6-220265 | Reply LS on Prioritized Vehicle to Cloud Technical Solutions (Automotive Edge Computing Consortium (AECC)) | SA6 | approved | - | - |
| S6-220266 | Transferring bearer pre-emption rate limitation information from MME up to the MC AS | Nokia | noted | - | - |
| S6-220267 | Revised SID on 5G-enabled fused location service capability exposure | CATT | revised | - | S6-220427 |
| S6-220268 | SEALDD and MSGin5G | Huawei | noted | - | - |
| S6-220269 | Updating aspects related to the MBS resources update | Ericsson | agreed | S6-220133 | - |
| S6-220270 | Alignment of some information flows within TS 23.289 | Ericsson | agreed | S6-220134 | - |
| S6-220271 | Use of 5G ProSe UE-to-network relay service for MCx services | Ericsson | agreed | S6-220136 | - |
| S6-220272 | Updating aspects and terminology related to MBS session creation and MC traffic transmission | Ericsson | agreed | S6-220137 | - |
| S6-220273 | Updating the MBS session release related terminology and aspects | Ericsson | agreed | S6-220138 | - |
| S6-220274 | Edge Notification Server | AT&T | approved | S6-220028 | - |
| S6-220275 | Alignment of section 4.7 of 23.289 with latest version of 23.247 (v 17.1.0) | AT&T | agreed | S6-220031 | - |
| S6-220276 | Functional model reference points | Nokia, Nokia Shanghai Bell, UIC | agreed | S6-220067 | - |
| S6-220277 | Functional model media plane aspects | Nokia, Nokia Shanghai Bell, UIC | agreed | S6-220068 | - |
| S6-220278 | Using identities behind the MC gateway UE | Nokia, Nokia Shanghai Bell, UIC | agreed | S6-220069 | - |
| S6-220279 | New WID on Interconnection and Migration Aspects for Railways | Nokia, Nokia Shanghai Bell, UIC, Kontron Transportation France | agreed | S6-220074 | - |
| S6-220280 | Selected T-EAS declaration procedure corrections | VODAFONE Group Plc | postponed | S6-220029 | - |
| S6-220281 | Pseudo-CR on Key issue #X: EAS discovery for multi-player sessions | Apple GmbH | revised | S6-220179 | S6-220458 |
| S6-220282 | Correction of Enhanced Status description | Sepura Ltd | agreed | S6-220041 | - |
| S6-220283 | LS on FS\_eEDGEAPP Solution for Support of Roaming UEs | InterDigital | revised | S6-220201 | S6-220429 |
| S6-220284 | Solution for KI#10 - V-ECS Discovery via the H-ECS | InterDigital | revised | S6-220030 | S6-220465 |
| S6-220285 | Solution for KI#9 - Enhancement of dynamic EAS instantiation triggering | InterDigital | postponed | S6-220021 | - |
| S6-220286 | Alignment with the approved study on UAV Ph2 in SA2 | InterDigital | approved | S6-220020 | - |
| S6-220287 | Solution to KI#2 – Change of USS during flight | InterDigital | approved | S6-220207 | - |
| S6-220288 | Remove ACR example in UE ID API | Ericsson | postponed | S6-220153 | - |
| S6-220289 | Correct QoS monitoring service | Ericsson | agreed | S6-220165 | - |
| S6-220290 | Solve EN for ACR co-existence | Ericsson | postponed | S6-220155 | - |
| S6-220291 | Complete location retrieval in an area | Ericsson | agreed | S6-220158 | - |
| S6-220292 | Fix consistency issue | Ericsson | agreed | S6-220152 | - |
| S6-220293 | Solve ACR API inconsistency | Ericsson | agreed | S6-220154 | - |
| S6-220294 | Discover a proper AEF | Ericsson | revised | S6-220162 | S6-220452 |
| S6-220295 | UE-originated API invocation within CAPIF | Ericsson | revised | S6-220163 | S6-220450 |
| S6-220296 | Initial EAS selection declaration | Ericsson | revised | S6-220164 | S6-220466 |
| S6-220297 | New KI Simultaneous EAS Connectivity in ACR | Ericsson | postponed | S6-220160 | - |
| S6-220298 | Support simultaneous EAS Connectivity in ACR | Ericsson | postponed | S6-220161 | - |
| S6-220299 | Solution #8 update: CAPIF interconnection for EAS Service APIs | ETRI, Uangel | approved | S6-220145 | - |
| S6-220300 | Revised SID on Service Function Chaining support for Edge Data Networks | Intel Technology India Pvt Ltd | postponed | S6-220062 | - |
| S6-220301 | Mapping Considerations of EAS IE and MEC App Instance IE | Intel Technology India Pvt Ltd | revised | S6-220117 | S6-220454 |
| S6-220302 | EAS Profile update for accessing EES APIs from MEC App Instance | Intel Technology India Pvt Ltd | postponed | S6-220118 | - |
| S6-220303 | Updates in Annexure Figure Caption | Intel Technology India Pvt Ltd | revised | S6-220144 | S6-220455 |
| S6-220304 | New Solution for call transfer between MCPTT users in different MCPTT systems | Kontron Transportation France, Nokia, Nokia Shanghai Bell | approved | S6-220040 | - |
| S6-220305 | FS\_NSCALE architectural requirements | AsiaInfo Technologies Inc | approved | S6-220033 | - |
| S6-220306 | FS\_NSCALE solution evaluation for solution 4 | AsiaInfo Technologies Inc | withdrawn | - | - |
| S6-220307 | FS\_NSCALE Update the architecture for network slice capability enablement | AsiaInfo Technologies Inc, China Mobile Software | approved | S6-220035 | - |
| S6-220308 | FS\_NSCALE solution evaluation for solution 4 | AsiaInfo Technologies Inc, Huawei | approved | S6-220034 | - |
| S6-220309 | FS\_eEDGEAPP architectural requirements | AsiaInfo Technologies Inc | revised | S6-220039 | S6-220461 |
| S6-220310 | architecture requirement update | China Mobile (Suzhou) Software | postponed | S6-220121 | - |
| S6-220311 | Application architecture update | China Mobile (Suzhou) Software | withdrawn | - | - |
| S6-220312 | Deployment models | China Mobile (Suzhou) Software | withdrawn | - | - |
| S6-220313 | Key issue on network slice optimization | China Mobile (Suzhou) Software,Huawei | revised | S6-220124 | S6-220447 |
| S6-220314 | solution for network slice optimization | China Mobile (Suzhou) Software,Lenovo, Huawei | postponed | S6-220125 | - |
| S6-220315 | Solution for KI#12- EAS discovery for different users | China Mobile (Suzhou) Software | revised | S6-220127 | S6-220468 |
| S6-220316 | New WID on support of the 5GMSG Service phase 2 | China Mobile Com. Corporation | revised | S6-220173 | S6-220477 |
| S6-220317 | Solve the EN about ECS configuration information | China Mobile (Suzhou) Software | postponed | S6-220128 | - |
| S6-220318 | Clarification on clause 5.3.3 functional entity of MSGin5G Client | China Mobile Com. Corporation | revised | S6-220174 | S6-220437 |
| S6-220319 | correction on clause 8.8 Other MSGin5G messaging related procedures | China Mobile Com. Corporation | revised | S6-220175 | S6-220438 |
| S6-220320 | Clarification and correction on clause 8.11 Constrained devices | China Mobile Com. Corporation | revised | S6-220177 | S6-220439 |
| S6-220321 | FS\_NSCALE solution evaluation for solution 5 Network slice related performance and analytics exposure | Huawei Tech.(UK) Co.. Ltd | withdrawn | - | - |
| S6-220322 | FS\_NSCALE solution evaluation for solution 5 Network slice related performance and analytics exposure | Huawei Tech.(UK) Co.. Ltd | approved | S6-220119 | - |
| S6-220323 | FFAPP Architecture | ZTE Corporation | approved | S6-220059 | - |
| S6-220324 | FFAPP Deployment models | ZTE Corporation | revised | S6-220060 | S6-220442 |
| S6-220325 | EAS selection synchronization at registration | Convida Wireless LLC | revised | S6-220191 | S6-220467 |
| S6-220326 | IoT Platform functional models | Convida Wireless LLC | approved | S6-220202 | - |
| S6-220327 | End-to-End AC interaction via Common EAS KI | Convida Wireless LLC | merged | S6-220193 | S6-220281 |
| S6-220328 | Terminology alignment and corrections | Convida Wireless LLC | postponed | S6-220198 | - |
| S6-220329 | Obtaining RO consent enhancements | Convida Wireless LLC | postponed | S6-220199 | - |
| S6-220330 | Onboarding UE API Invokers | Convida Wireless LLC | postponed | S6-220200 | - |
| S6-220331 | Device Triggering Services Solution | Convida Wireless LLC | approved | S6-220204 | - |
| S6-220332 | New solution for enhancements to service continuity planning | KPN N.V., Ericsson | postponed | S6-220168 | - |
| S6-220333 | Revised SID on Application Capability Exposure for IoT Platforms | Convida Wireless LLC | agreed | S6-220205 | - |
| S6-220334 | Pseudo-CR on Preconditions of Solution 7 | China Mobile Com. Corporation | approved | S6-220079 | - |
| S6-220335 | Pseudo-CR on KI of Coordination Between Uu and PC5 | China Mobile Com. Corporation | revised | S6-220078 | S6-220471 |
| S6-220336 | solution for KI 10 | China Mobile Com. Corporation | revised | S6-220081 | S6-220448 |
| S6-220337 | Add solutions of communication service management | HUAWEI TECHNOLOGIES Co. Ltd. | approved | S6-220099 | - |
| S6-220338 | Address Editor's notes in the clause of requirements and architectures | HUAWEI TECHNOLOGIES Co. Ltd. | approved | S6-220100 | - |
| S6-220339 | Address Editor's notes of fault management | HUAWEI TECHNOLOGIES Co. Ltd. | approved | S6-220110 | - |
| S6-220340 | New KI Method of supporting federated EAS service | Samsung Electronics Benelux BV | approved | S6-220181 | - |
| S6-220341 | Service Provisioning correction | Convida Wireless LLC | postponed | S6-220190 | - |
| S6-220342 | Minor corrections to the procedures related to MBS session creation | Samsung Electronics | agreed | S6-220142 | - |
| S6-220343 | Pseudo-CR on Solution proposal for key issue 1 | Samsung, FirstNet, AT&T | revised | S6-220056 | S6-220344 |
| S6-220344 | Pseudo-CR on Solution proposal for key issue 1 | Samsung, FirstNet, AT&T | revised | S6-220343 | S6-220444 |
| S6-220345 | Pseudo-CR on Key issue 1 for Ad hoc group communication | Samsung, FirstNet, AT&T, Nokia, Nokia Shanghai Bell, Kontron Transportation France, UIC | revised | S6-220053 | S6-220443 |
| S6-220346 | Constrained devices | Qualcomm | revised | S6-220209 | S6-220462 |
| S6-220347 | EDGE-5 APIs | Qualcomm | postponed | S6-220210 | - |
| S6-220348 | Federation and Roaming | Qualcomm | postponed | S6-220211 | - |
| S6-220349 | Involved relation for Federation and Roaming | Qualcomm | approved | S6-220212 | - |
| S6-220350 | New KI on linkage between EASs | Qualcomm | revised | S6-220213 | S6-220459 |
| S6-220351 | Reply LS on follow-up on EAS definition | SA6 | approved | S6-220264 | - |
| S6-220352 | Control of allowing service continuity planning | Samsung | revised | S6-220063 | S6-220463 |
| S6-220353 | Update ECS configuration information to support roaming and federation | Samsung | revised | S6-220064 | S6-220464 |
| S6-220354 | Reply LS on Prioritized Vehicle to Cloud Technical Solutions (Automotive Edge Computing Consortium (AECC)) | SA6 | withdrawn | - | - |
| S6-220355 | Introduction for 3GPP TR 23.700-36 | Lenovo Future Communications | approved | S6-220084 | - |
| S6-220356 | Proposed functional architecture for ADAES | Lenovo Future Communications | approved | S6-220086 | - |
| S6-220357 | Key Issue on support for application performance analytics | Lenovo Future Communications | approved | S6-220166 | - |
| S6-220358 | Key Issue on interactions with SEAL | Lenovo Future Communications | revised | S6-220167 | S6-220474 |
| S6-220359 | Key Issue on edge analytics enablement | Lenovo Future Communications | approved | S6-220169 | - |
| S6-220360 | Key Issue on support for application data collection coordination | Lenovo Future Communications | approved | S6-220170 | - |
| S6-220361 | Update of Key Issue 12 | Lenovo Future Communications | postponed | S6-220171 | - |
| S6-220362 | Correction on Message Segment Recovery | Huawei, Hisilicon | revised | S6-220129 | S6-220433 |
| S6-220363 | Correction on Point-to-Point Message Segmentation and Reassembly | Huawei, Hisilicon | revised | S6-220130 | S6-220434 |
| S6-220364 | FS\_ACE\_IOT\_Reference points for Application Service Management | Samsung | approved | S6-220182 | - |
| S6-220365 | FS\_ACE\_IoT\_Status collection from ASM client | Samsung | revised | S6-220183 | S6-220456 |
| S6-220366 | Implicit registration handling in service continuity | Samsung | postponed | S6-220184 | - |
| S6-220367 | FS\_eEDGEAPP\_Solution to KI#3 | Samsung | postponed | S6-220185 | - |
| S6-220368 | Definitions of Gateway UE and Relay UE | Samsung | agreed | S6-220187 | - |
| S6-220369 | FS\_SNAAPP-KI\_Resource Owner Related API | Samsung | withdrawn | - | - |
| S6-220370 | FS\_SNAAPP-Solution to KI#4 | Samsung | withdrawn | - | - |
| S6-220371 | Withdrawn | SA6 | withdrawn | - | - |
| S6-220372 | EEC capability to identify ECS address | vivo | postponed | S6-220087 | - |
| S6-220373 | Revised SID Study on Application layer support for Personal IoT Networks | vivo Mobile Communications Ltd, China Unicom, China Telecom, Spreadtrum | agreed | S6-220090 | - |
| S6-220374 | Proposed skeleton for 3GPP TR 23.700-78 | vivo | approved | S6-220091 | - |
| S6-220375 | Introduction for 3GPP TR 23.700-78 | vivo | approved | S6-220092 | - |
| S6-220376 | Scope for 3GPP TR 23.700-78 | vivo | approved | S6-220093 | - |
| S6-220377 | New KI on PIN Management | vivo | revised | S6-220094 | S6-220475 |
| S6-220378 | New KI on PINAPP accesses 5G network by application mechanism | vivo | revised | S6-220095 | S6-220476 |
| S6-220379 | new KI on advertisement of the existing Network Slice to 3rd party | Samsung Electronics Polska | revised | S6-220140 | S6-220445 |
| S6-220380 | Constraint device in EDGEAPP | Ericsson | revised | S6-220159 | S6-220469 |
| S6-220381 | new KI on Network Slice creation for the 3rd party | Samsung Electronics Polska | revised | S6-220141 | S6-220446 |
| S6-220382 | Adding missing events for ACR notifications | Huawei, Hisilicon | revised | S6-220217 | S6-220430 |
| S6-220383 | Unique identification in ACR procedures | Huawei, Hisilicon | agreed | S6-220219 | - |
| S6-220384 | Unique identification of the EEC context in ACR procedures | Huawei, Hisilicon | agreed | S6-220220 | - |
| S6-220385 | Reply LS on Enquires on Application Context Relocation (ACR) functionality | Huawei, Hisilicon | revised | S6-220221 | S6-220431 |
| S6-220386 | Reply LS on Identification of ACRs | Huawei, Hisilicon | approved | S6-220222 | - |
| S6-220387 | Reply LS on clarifications to the Application Context Relocation (ACR) functionality | SA6 | approved | S6-220223 | - |
| S6-220388 | Correction to clarify about sharing location information across VAL servers | Huawei, Hisilicon | postponed | S6-220224 | - |
| S6-220389 | Corrections for operations of C2 communication mode switching | Huawei, Hisilicon | agreed | S6-220225 | - |
| S6-220390 | Clean up of EPS-5GMBS interworking | Huawei, Hisilicon | revised | S6-220227 | S6-220440 |
| S6-220391 | Clean up of switching between unicast and 5G MBS, between LTE eMBMS and 5G MBS | Huawei, Hisilicon | revised | S6-220228 | S6-220441 |
| S6-220392 | Enhanced MCPTT group call setup procedure with 5MBS session | Huawei, Hisilicon | agreed | S6-220229 | - |
| S6-220393 | Information flows for media distribution over 5MBS | Huawei, Hisilicon | agreed | S6-220230 | - |
| S6-220394 | Description of 5G MBS usage for MCData | Huawei, Hisilicon | agreed | S6-220231 | - |
| S6-220395 | Updates to usage of 5MBS for MCVideo | Huawei, Hisilicon | agreed | S6-220232 | - |
| S6-220396 | Corrections to align with SA2 5G MBS specification | Huawei, Hisilicon | agreed | S6-220233 | - |
| S6-220397 | Usage of FEC capabilities | Huawei, Hisilicon | agreed | S6-220234 | - |
| S6-220398 | Architectural model over 5G ProSe | Huawei, Hisilicon | agreed | S6-220235 | - |
| S6-220399 | Off-network functional model over 5G ProSe | Huawei, Hisilicon | agreed | S6-220236 | - |
| S6-220400 | Off network private communication for MC service | Huawei, Hisilicon | agreed | S6-220238 | - |
| S6-220401 | 5G ProSe UE-to-network relay for MC service | Huawei, Hisilicon | agreed | S6-220239 | - |
| S6-220402 | Service continuity with a 5G ProSe UE-to-network relay for MBMS | Huawei, Hisilicon | revised | S6-220240 | S6-220478 |
| S6-220403 | Communication with FFAPP service requirements | Huawei, Hisilicon | approved | S6-220241 | - |
| S6-220404 | MCData via full service mode | Huawei, Hisilicon | approved | S6-220242 | - |
| S6-220405 | Key Issue on Ad hoc group call | Huawei, Hisilicon | approved | S6-220243 | - |
| S6-220406 | Solution for Ad hoc group call | Huawei, Hisilicon | approved | S6-220244 | - |
| S6-220407 | Key issue on SEALDD coordination with EDGEAPP | Huawei, Hisilicon | approved | S6-220245 | - |
| S6-220408 | Key issue on SEALDD enabled Data Caching | Huawei, Hisilicon, AsiaInfo Technologies Inc, Convida Wireless LLC | revised | S6-220246 | S6-220472 |
| S6-220409 | Key issue on SEALDD server discovery and selection | Huawei, Hisilicon | approved | S6-220248 | - |
| S6-220410 | Solution on KI#1: E2E redundant transmission path establishment | Huawei, Hisilicon | revised | S6-220249 | S6-220473 |
| S6-220411 | Update to SEALDD architecture for traffic flow description | Huawei, Hisilicon | postponed | S6-220250 | - |
| S6-220412 | Key issue on ACR scenarios overlapping | Huawei, Hisilicon | revised | S6-220251 | S6-220460 |
| S6-220413 | Key issue on EAS discovery in roaming scenario | Huawei, Hisilicon | postponed | S6-220252 | - |
| S6-220414 | Update to key issue on T-EES discovery for Edge services support across ECSPs | Huawei, Hisilicon | revised | S6-220253 | S6-220457 |
| S6-220415 | Solution on ACR scenario overlapping | Huawei, Hisilicon | revised | S6-220254 | S6-220470 |
| S6-220416 | Solution on application traffic influence for initial EAS discovery | Huawei, Hisilicon | revised | S6-220258 | S6-220480 |
| S6-220417 | Solution for KI#3 - Enhancements to service continuity planning for ACR modification | Huawei, Hisilicon | revised | S6-220259 | S6-220479 |
| S6-220418 | Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time | Huawei, Hisilicon | postponed | S6-220260 | - |
| S6-220419 | Update to Functional model solution | Huawei, Hisilicon | revised | S6-220261 | S6-220449 |
| S6-220420 | New reference point between ECSs for the non-roaming scenario | NTT DOCOMO | approved | S6-220101 | - |
| S6-220421 | Addition of reference | NTT DOCOMO, China Mobile Com. Corporation | approved | S6-220104 | - |
| S6-220422 | Evaluation of Solution #3 | NTT DOCOMO | revised | S6-220106 | S6-220453 |
| S6-220423 | Near real-time consent | NTT DOCOMO | revised | S6-220107 | S6-220451 |
| S6-220424 | Revised SID on application enablement aspects for subscriber-aware northbound API access | NTT DOCOMO | agreed | S6-220109 | - |
| S6-220425 | Pseudo-CR on solution#1 update | CATT | postponed | S6-220147 | - |
| S6-220426 | Pseudo-CR on update on solution #4 | CATT | postponed | S6-220149 | - |
| S6-220427 | Revised SID on 5G-enabled fused location service capability exposure | CATT | agreed | S6-220267 | - |
| S6-220428 | SA6#47-e Work Plan Review | SA6 chair | noted | - | - |
| S6-220429 | LS on FS\_eEDGEAPP Solution for Support of Roaming UEs | SA6 | approved | S6-220283 | - |
| S6-220430 | Adding missing events for ACR notifications | Huawei, Hisilicon | agreed | S6-220382 | - |
| S6-220431 | Reply LS on Enquires on Application Context Relocation (ACR) functionality | SA6 | approved | S6-220385 | - |
| S6-220432 | Reply LS on further Operator Platform Group questions following SDO Workshop | SA6 | approved | S6-220263 | - |
| S6-220433 | Correction on Message Segment Recovery | Huawei, Hisilicon | agreed | S6-220362 | - |
| S6-220434 | Correction on Point-to-Point Message Segmentation and Reassembly | Huawei, Hisilicon | agreed | S6-220363 | - |
| S6-220435 | Correction on Usage of Network Capabilities | Huawei, Hisilicon | agreed | S6-220131 | - |
| S6-220436 | Editoral corrections | Huawei, Hisilicon | agreed | S6-220132 | - |
| S6-220437 | Clarification on clause 5.3.3 functional entity of MSGin5G Client | China Mobile Com. Corporation | agreed | S6-220318 | - |
| S6-220438 | correction on clause 8.8 Other MSGin5G messaging related procedures | China Mobile Com. Corporation | agreed | S6-220319 | - |
| S6-220439 | Clarification and correction on clause 8.11 Constrained devices | China Mobile Com. Corporation | agreed | S6-220320 | - |
| S6-220440 | Clean up of EPS-5GMBS interworking | Huawei, Hisilicon | agreed | S6-220390 | - |
| S6-220441 | Clean up of switching between unicast and 5G MBS, between LTE eMBMS and 5G MBS | Huawei, Hisilicon | agreed | S6-220391 | - |
| S6-220442 | FFAPP Deployment models | ZTE Corporation | approved | S6-220324 | - |
| S6-220443 | Pseudo-CR on Key issue 1 for Ad hoc group communication | Samsung, FirstNet, AT&T, Nokia, Nokia Shanghai Bell, Kontron Transportation France, UIC | approved | S6-220345 | - |
| S6-220444 | Pseudo-CR on Solution proposal for key issue 1 | Samsung, FirstNet, AT&T | approved | S6-220344 | - |
| S6-220445 | new KI on advertisement of the existing Network Slice to 3rd party | Samsung Electronics Polska | approved | S6-220379 | - |
| S6-220446 | new KI on Network Slice creation for the 3rd party | Samsung Electronics Polska | approved | S6-220381 | - |
| S6-220447 | Key issue on network slice optimization | China Mobile (Suzhou) Software,Huawei | approved | S6-220313 | - |
| S6-220448 | solution for KI 10 | China Mobile Com. Corporation | approved | S6-220336 | - |
| S6-220449 | Update to Functional model solution | Huawei, Hisilicon | approved | S6-220419 | - |
| S6-220450 | UE-originated API invocation within CAPIF | Ericsson | approved | S6-220295 | - |
| S6-220451 | Near real-time consent | NTT DOCOMO | approved | S6-220423 | - |
| S6-220452 | Discover a proper AEF | Ericsson | approved | S6-220294 | - |
| S6-220453 | Evaluation of Solution #3 | NTT DOCOMO | approved | S6-220422 | - |
| S6-220454 | Mapping Considerations of EAS IE and MEC App Instance IE | Intel Technology India Pvt Ltd | approved | S6-220301 | - |
| S6-220455 | Updates in Annexure Figure Caption | Intel Technology India Pvt Ltd | approved | S6-220303 | - |
| S6-220456 | FS\_ACE\_IoT\_Status collection from ASM client | Samsung | approved | S6-220365 | - |
| S6-220457 | Update to key issue on T-EES discovery for Edge services support across ECSPs | Huawei, Hisilicon | approved | S6-220414 | - |
| S6-220458 | Pseudo-CR on Key issue #X: EAS discovery for multi-player sessions | Apple GmbH, Convida Wireless LLC | approved | S6-220281 | - |
| S6-220459 | New KI on linkage between EASs | Qualcomm | approved | S6-220350 | - |
| S6-220460 | Key issue on ACR scenarios overlapping | Huawei, Hisilicon, InterDigital | approved | S6-220412 | - |
| S6-220461 | FS\_eEDGEAPP architectural requirements | AsiaInfo Technologies Inc | approved | S6-220309 | - |
| S6-220462 | Constrained devices | Qualcomm | approved | S6-220346 | - |
| S6-220463 | Control of allowing service continuity planning | Samsung | approved | S6-220352 | - |
| S6-220464 | Update ECS configuration information to support roaming and federation | Samsung | approved | S6-220353 | - |
| S6-220465 | Solution for KI#10 - V-ECS Discovery via the H-ECS | InterDigital | approved | S6-220284 | - |
| S6-220466 | Initial EAS selection declaration | Ericsson | approved | S6-220296 | - |
| S6-220467 | EAS selection synchronization at registration | Convida Wireless LLC | postponed | S6-220325 | - |
| S6-220468 | Solution for KI#12- EAS discovery for different users | China Mobile (Suzhou) Software, Ericsson | approved | S6-220315 | - |
| S6-220469 | Constraint device in EDGEAPP | Ericsson | approved | S6-220380 | - |
| S6-220470 | Solution on ACR scenario overlapping | Huawei, Hisilicon | approved | S6-220415 | - |
| S6-220471 | Pseudo-CR on KI of Coordination Between Uu and PC5 | China Mobile Com. Corporation | approved | S6-220335 | - |
| S6-220472 | Key issue on SEALDD enabled Data Caching | Huawei, Hisilicon, AsiaInfo Technologies Inc, Convida Wireless LLC | approved | S6-220408 | - |
| S6-220473 | Solution on KI#1: E2E redundant transmission path establishment | Huawei, Hisilicon | approved | S6-220410 | - |
| S6-220474 | Key Issue on interactions with SEAL | Lenovo Future Communications | approved | S6-220358 | - |
| S6-220475 | New KI on PIN Management | vivo | approved | S6-220377 | - |
| S6-220476 | New KI on PINAPP accesses 5G network by application mechanism | vivo | approved | S6-220378 | - |
| S6-220477 | New WID on support of the 5GMSG Service phase 2 | China Mobile Com. Corporation | approved | S6-220316 | - |
| S6-220478 | Service continuity with a 5G ProSe UE-to-network relay for MBMS | Huawei, Hisilicon | agreed | S6-220402 | - |
| S6-220479 | Solution for KI#3 - Enhancements to service continuity planning for ACR modification | Huawei, Hisilicon | approved | S6-220417 | - |
| S6-220480 | Solution on application traffic influence for initial EAS discovery | Huawei, Hisilicon | approved | S6-220416 | - |
| S6-220481 | SA6 Meeting #47-e - Chairman's notes at end of the meeting | SA6 Chair | noted | S6-220005 | - |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S6-220225 | Corrections for operations of C2 communication mode switching | Huawei, Hisilicon | 23.255 | 0024 | - | Rel-17 | F | UASAPP | revised |
| S6-220389 | Corrections for operations of C2 communication mode switching | Huawei, Hisilicon | 23.255 | 0024 | 1 | Rel-17 | F | UASAPP | agreed |
| S6-220226 | Correction for realtime UAV status | Huawei, Hisilicon | 23.255 | 0025 | - | Rel-17 | F | UASAPP | agreed |
| S6-220023 | Correction to On-demand usage of location information procedure | BDBOS | 23.280 | 0305 | - | Rel-18 | F | enh4MCPTT | agreed |
| S6-220066 | Editorial corrections around the MC gateway UE solution | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0306 | - | Rel-18 | D | MCGWUE | agreed |
| S6-220067 | Functional model reference points | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0307 | - | Rel-18 | B | MCGWUE | revised |
| S6-220276 | Functional model reference points | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0307 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-220068 | Functional model media plane aspects | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0308 | - | Rel-18 | B | MCGWUE | revised |
| S6-220277 | Functional model media plane aspects | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0308 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-220069 | Using identities behind the MC gateway UE | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0309 | - | Rel-18 | B | MCGWUE | revised |
| S6-220278 | Using identities behind the MC gateway UE | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0309 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-220070 | MC gateway UE routing capabilties | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0310 | - | Rel-18 | B | MCGWUE | agreed |
| S6-220026 | CR on authorization of MCVideo user at LMS | BDBOS | 23.281 | 0160 | - | Rel-18 | B | enh4MCPTT | withdrawn |
| S6-220025 | CR on authorization of MCData user at LMS | BDBOS | 23.282 | 0292 | - | Rel-18 | B | enh4MCPTT | withdrawn |
| S6-220041 | Correction of Enhanced Status description | Sepura Ltd | 23.283 | 0060 | - | Rel-16 | F | eMCCI | revised |
| S6-220282 | Correction of Enhanced Status description | Sepura Ltd | 23.283 | 0060 | 1 | Rel-16 | F | eMCCI | agreed |
| S6-220031 | Alignment of section 4.7 of 23.289 with latest version of 23.247 (v 17.1.0) | AT&T | 23.289 | 0023 | - | Rel-18 | C | MCOver5MBS | revised |
| S6-220275 | Alignment of section 4.7 of 23.289 with latest version of 23.247 (v 17.1.0) | AT&T | 23.289 | 0023 | 1 | Rel-18 | C | MCOver5MBS | agreed |
| S6-220133 | Updating aspects related to the MBS resources update | Ericsson | 23.289 | 0024 | - | Rel-18 | F | MCOver5MBS | revised |
| S6-220269 | Updating aspects related to the MBS resources update | Ericsson | 23.289 | 0024 | 1 | Rel-18 | F | MCOver5MBS | agreed |
| S6-220134 | Alignment of some information flows within TS 23.289 | Ericsson | 23.289 | 0025 | - | Rel-18 | F | MCOver5MBS | revised |
| S6-220270 | Alignment of some information flows within TS 23.289 | Ericsson | 23.289 | 0025 | 1 | Rel-18 | F | MCOver5MBS | agreed |
| S6-220136 | Use of 5G ProSe UE-to-network relay service for MCx services | Ericsson | 23.289 | 0026 | - | Rel-18 | B | MCOver5GProSe | revised |
| S6-220271 | Use of 5G ProSe UE-to-network relay service for MCx services | Ericsson | 23.289 | 0026 | 1 | Rel-18 | B | MCOver5GProSe | agreed |
| S6-220137 | Updating aspects and terminology related to MBS session creation and MC traffic transmission | Ericsson | 23.289 | 0027 | - | Rel-18 | F | MCOver5MBS | revised |
| S6-220272 | Updating aspects and terminology related to MBS session creation and MC traffic transmission | Ericsson | 23.289 | 0027 | 1 | Rel-18 | F | MCOver5MBS | agreed |
| S6-220138 | Updating the MBS session release related terminology and aspects | Ericsson | 23.289 | 0028 | - | Rel-18 | F | MCOver5MBS | revised |
| S6-220273 | Updating the MBS session release related terminology and aspects | Ericsson | 23.289 | 0028 | 1 | Rel-18 | F | MCOver5MBS | agreed |
| S6-220142 | Minor corrections to the procedures related to MBS session creation | Samsung Electronics | 23.289 | 0029 | - | Rel-18 | F | MCOver5MBS | revised |
| S6-220342 | Minor corrections to the procedures related to MBS session creation | Samsung Electronics | 23.289 | 0029 | 1 | Rel-18 | F | MCOver5MBS | agreed |
| S6-220206 | EPS interworking requirements | Ericsson | 23.289 | 0030 | - | Rel-18 | B | MCOver5MBS | agreed |
| S6-220208 | MC services over 5GS supporting EPS interworking | Ericsson | 23.289 | 0031 | - | Rel-18 | B | MCOver5MBS | agreed |
| S6-220214 | Network notifications of EPS interworking related events | Ericsson | 23.289 | 0032 | - | Rel-18 | B | MCOver5MBS | agreed |
| S6-220215 | Update to inter-system switching between 5G MBS and eMBMS procedures | Ericsson | 23.289 | 0033 | - | Rel-18 | C | MCOver5MBS | agreed |
| S6-220227 | Clean up of EPS-5GMBS interworking | Huawei, Hisilicon | 23.289 | 0034 | - | Rel-18 | C | MCOver5MBS | revised |
| S6-220390 | Clean up of EPS-5GMBS interworking | Huawei, Hisilicon | 23.289 | 0034 | 1 | Rel-18 | C | MCOver5MBS | revised |
| S6-220440 | Clean up of EPS-5GMBS interworking | Huawei, Hisilicon | 23.289 | 0034 | 2 | Rel-18 | C | MCOver5MBS | agreed |
| S6-220228 | Clean up of switching between unicast and 5G MBS, between LTE eMBMS and 5G MBS | Huawei, Hisilicon | 23.289 | 0035 | - | Rel-18 | C | MCOver5MBS | revised |
| S6-220391 | Clean up of switching between unicast and 5G MBS, between LTE eMBMS and 5G MBS | Huawei, Hisilicon | 23.289 | 0035 | 1 | Rel-18 | C | MCOver5MBS | revised |
| S6-220441 | Clean up of switching between unicast and 5G MBS, between LTE eMBMS and 5G MBS | Huawei, Hisilicon | 23.289 | 0035 | 2 | Rel-18 | C | MCOver5MBS | agreed |
| S6-220229 | Enhanced MCPTT group call setup procedure with 5MBS session | Huawei, Hisilicon | 23.289 | 0036 | - | Rel-18 | C | MCOver5MBS | revised |
| S6-220392 | Enhanced MCPTT group call setup procedure with 5MBS session | Huawei, Hisilicon | 23.289 | 0036 | 1 | Rel-18 | C | MCOver5MBS | agreed |
| S6-220230 | Information flows for media distribution over 5MBS | Huawei, Hisilicon | 23.289 | 0037 | - | Rel-18 | C | MCOver5MBS | revised |
| S6-220393 | Information flows for media distribution over 5MBS | Huawei, Hisilicon | 23.289 | 0037 | 1 | Rel-18 | C | MCOver5MBS | agreed |
| S6-220231 | Description of 5G MBS usage for MCData | Huawei, Hisilicon | 23.289 | 0038 | - | Rel-18 | C | MCOver5MBS | revised |
| S6-220394 | Description of 5G MBS usage for MCData | Huawei, Hisilicon | 23.289 | 0038 | 1 | Rel-18 | C | MCOver5MBS | agreed |
| S6-220232 | Updates to usage of 5MBS for MCVideo | Huawei, Hisilicon | 23.289 | 0039 | - | Rel-18 | C | MCOver5MBS | revised |
| S6-220395 | Updates to usage of 5MBS for MCVideo | Huawei, Hisilicon | 23.289 | 0039 | 1 | Rel-18 | C | MCOver5MBS | agreed |
| S6-220233 | Corrections to align with SA2 5G MBS specification | Huawei, Hisilicon | 23.289 | 0040 | - | Rel-18 | F | MCOver5MBS | revised |
| S6-220396 | Corrections to align with SA2 5G MBS specification | Huawei, Hisilicon | 23.289 | 0040 | 1 | Rel-18 | F | MCOver5MBS | agreed |
| S6-220234 | Usage of FEC capabilities | Huawei, Hisilicon | 23.289 | 0041 | - | Rel-18 | C | MCOver5MBS | revised |
| S6-220397 | Usage of FEC capabilities | Huawei, Hisilicon | 23.289 | 0041 | 1 | Rel-18 | C | MCOver5MBS | agreed |
| S6-220235 | Architectural model over 5G ProSe | Huawei, Hisilicon | 23.289 | 0042 | - | Rel-18 | B | MCOver5GProSe | revised |
| S6-220398 | Architectural model over 5G ProSe | Huawei, Hisilicon | 23.289 | 0042 | 1 | Rel-18 | B | MCOver5GProSe | agreed |
| S6-220236 | Off-network functional model over 5G ProSe | Huawei, Hisilicon | 23.289 | 0043 | - | Rel-18 | B | MCOver5GProSe | revised |
| S6-220399 | Off-network functional model over 5G ProSe | Huawei, Hisilicon | 23.289 | 0043 | 1 | Rel-18 | B | MCOver5GProSe | agreed |
| S6-220237 | Off network group communication for MC service | Huawei, Hisilicon | 23.289 | 0044 | - | Rel-18 | B | MCOver5GProSe | agreed |
| S6-220238 | Off network private communication for MC service | Huawei, Hisilicon | 23.289 | 0045 | - | Rel-18 | B | MCOver5GProSe | revised |
| S6-220400 | Off network private communication for MC service | Huawei, Hisilicon | 23.289 | 0045 | 1 | Rel-18 | B | MCOver5GProSe | agreed |
| S6-220239 | 5G ProSe UE-to-network relay for MC service | Huawei, Hisilicon | 23.289 | 0046 | - | Rel-18 | B | MCOver5GProSe | revised |
| S6-220401 | 5G ProSe UE-to-network relay for MC service | Huawei, Hisilicon | 23.289 | 0046 | 1 | Rel-18 | B | MCOver5GProSe | agreed |
| S6-220240 | Service continuity with a 5G ProSe UE-to-network relay for MBMS | Huawei, Hisilicon | 23.289 | 0047 | - | Rel-18 | B | MCOver5GProSe | revised |
| S6-220402 | Service continuity with a 5G ProSe UE-to-network relay for MBMS | Huawei, Hisilicon | 23.289 | 0047 | 1 | Rel-18 | B | MCOver5GProSe | revised |
| S6-220478 | Service continuity with a 5G ProSe UE-to-network relay for MBMS | Huawei, Hisilicon | 23.289 | 0047 | 2 | Rel-18 | B | MCOver5GProSe | agreed |
| S6-220022 | Correction of two information flow descriptions | BDBOS | 23.379 | 0302 | - | Rel-18 | F | enh4MCPTT | agreed |
| S6-220024 | CR on Authorization of MCPTT user at LMS | BDBOS | 23.379 | 0303 | - | Rel-18 | B | enh4MCPTT | withdrawn |
| S6-220057 | MCPTT Group ID for pre-configured group call | AT&T GNS Belgium SPRL | 23.379 | 0304 | - | Rel-18 | F | enh4MCPTT | agreed |
| S6-220112 | Add Geographic area to user profile configuration data | TD Tech Ltd | 23.379 | 0305 | - | Rel-17 | F | enh3MCPTT | postponed |
| S6-220143 | Removal of Gate Control EN | Ericsson Hungary Ltd | 23.434 | 0088 | - | Rel-17 | F | eSEAL | postponed |
| S6-220156 | Clarify the VAL UE ID | Ericsson | 23.434 | 0089 | - | Rel-17 | F | eSEAL | agreed |
| S6-220157 | Correct TSC stream availability discovery | Ericsson | 23.434 | 0090 | - | Rel-17 | F | eSEAL | withdrawn |
| S6-220158 | Complete location retrieval in an area | Ericsson | 23.434 | 0091 | - | Rel-18 | B | eSEAL2 | revised |
| S6-220291 | Complete location retrieval in an area | Ericsson | 23.434 | 0091 | 1 | Rel-18 | B | eSEAL2 | agreed |
| S6-220165 | Correct QoS monitoring service | Ericsson | 23.434 | 0092 | - | Rel-17 | F | eSEAL | revised |
| S6-220289 | Correct QoS monitoring service | Ericsson | 23.434 | 0092 | 1 | Rel-17 | F | eSEAL | agreed |
| S6-220176 | Correct TSC stream availability discovery | Ericsson | 23.434 | 0093 | - | Rel-17 | F | eSEAL | agreed |
| S6-220224 | Correction to clarify about sharing location information across VAL servers | Huawei, Hisilicon | 23.434 | 0094 | - | Rel-17 | F | eSEAL | revised |
| S6-220388 | Correction to clarify about sharing location information across VAL servers | Huawei, Hisilicon | 23.434 | 0094 | 1 | Rel-17 | F | eSEAL | postponed |
| S6-220129 | Correction on Message Segment Recovery | Huawei, Hisilicon | 23.554 | 0021 | - | Rel-17 | F | 5GMARCH | revised |
| S6-220362 | Correction on Message Segment Recovery | Huawei, Hisilicon | 23.554 | 0021 | 1 | Rel-17 | F | 5GMARCH | revised |
| S6-220433 | Correction on Message Segment Recovery | Huawei, Hisilicon | 23.554 | 0021 | 2 | Rel-17 | F | 5GMARCH | agreed |
| S6-220130 | Correction on Point-to-Point Message Segmentation and Reassembly | Huawei, Hisilicon | 23.554 | 0022 | - | Rel-17 | F | 5GMARCH | revised |
| S6-220363 | Correction on Point-to-Point Message Segmentation and Reassembly | Huawei, Hisilicon | 23.554 | 0022 | 1 | Rel-17 | F | 5GMARCH | revised |
| S6-220434 | Correction on Point-to-Point Message Segmentation and Reassembly | Huawei, Hisilicon | 23.554 | 0022 | 2 | Rel-17 | F | 5GMARCH | agreed |
| S6-220131 | Correction on Usage of Network Capabilities | Huawei, Hisilicon | 23.554 | 0023 | - | Rel-17 | F | 5GMARCH | revised |
| S6-220435 | Correction on Usage of Network Capabilities | Huawei, Hisilicon | 23.554 | 0023 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-220132 | Editoral corrections | Huawei, Hisilicon | 23.554 | 0024 | - | Rel-17 | F | 5GMARCH | revised |
| S6-220436 | Editoral corrections | Huawei, Hisilicon | 23.554 | 0024 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-220135 | Correction the last step of Segmentation and Reassembly | Huawei, Hisilicon | 23.554 | 0025 | - | Rel-17 | F | 5GMARCH | postponed |
| S6-220174 | Clarification on clause 5.3.3 functional entity of MSGin5G Client | China Mobile Com. Corporation | 23.554 | 0026 | - | Rel-17 | F | 5GMARCH | revised |
| S6-220318 | Clarification on clause 5.3.3 functional entity of MSGin5G Client | China Mobile Com. Corporation | 23.554 | 0026 | 1 | Rel-17 | F | 5GMARCH | revised |
| S6-220437 | Clarification on clause 5.3.3 functional entity of MSGin5G Client | China Mobile Com. Corporation | 23.554 | 0026 | 2 | Rel-17 | F | 5GMARCH | agreed |
| S6-220175 | correction on clause 8.8 Other MSGin5G messaging related procedures | China Mobile Com. Corporation | 23.554 | 0027 | - | Rel-17 | F | 5GMARCH | revised |
| S6-220319 | correction on clause 8.8 Other MSGin5G messaging related procedures | China Mobile Com. Corporation | 23.554 | 0027 | 1 | Rel-17 | F | 5GMARCH | revised |
| S6-220438 | correction on clause 8.8 Other MSGin5G messaging related procedures | China Mobile Com. Corporation | 23.554 | 0027 | 2 | Rel-17 | F | 5GMARCH | agreed |
| S6-220177 | Clarification and correction on clause 8.11 Constrained devices | China Mobile Com. Corporation | 23.554 | 0028 | - | Rel-17 | F | 5GMARCH | revised |
| S6-220320 | Clarification and correction on clause 8.11 Constrained devices | China Mobile Com. Corporation | 23.554 | 0028 | 1 | Rel-17 | F | 5GMARCH | revised |
| S6-220439 | Clarification and correction on clause 8.11 Constrained devices | China Mobile Com. Corporation | 23.554 | 0028 | 2 | Rel-17 | F | 5GMARCH | agreed |
| S6-220187 | Definitions of Gateway UE and Relay UE | Samsung | 23.554 | 0029 | - | Rel-17 | F | 5GMARCH | revised |
| S6-220368 | Definitions of Gateway UE and Relay UE | Samsung | 23.554 | 0029 | 1 | Rel-17 | F | 5GMARCH | agreed |
| S6-220029 | Selected T-EAS declaration procedure corrections | VODAFONE Group Plc | 23.558 | 0075 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220280 | Selected T-EAS declaration procedure corrections | VODAFONE Group Plc | 23.558 | 0075 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-220075 | ECS provider ID correction | Nokia, Nokia Shanghai Bell | 23.558 | 0076 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-220087 | A UE capability to identify ECS address providers | vivo | 23.558 | 0077 | - | Rel-17 | B | EDGEAPP | revised |
| S6-220372 | EEC capability to identify ECS address | vivo | 23.558 | 0077 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-220128 | Solve the EN about ECS configuration information | China Mobile (Suzhou) Software | 23.558 | 0078 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220317 | Solve the EN about ECS configuration information | China Mobile (Suzhou) Software | 23.558 | 0078 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-220152 | Fix consistency issue | Ericsson | 23.558 | 0079 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220292 | Fix consistency issue | Ericsson | 23.558 | 0079 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-220153 | Remove ACR example in UE ID API | Ericsson | 23.558 | 0080 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220288 | Remove ACR example in UE ID API | Ericsson | 23.558 | 0080 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-220154 | Solve ACR API inconsistency | Ericsson | 23.558 | 0081 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220293 | Solve ACR API inconsistency | Ericsson | 23.558 | 0081 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-220155 | Solve EN for ACR co-existence | Ericsson | 23.558 | 0082 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220290 | Solve EN for ACR co-existence | Ericsson | 23.558 | 0082 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-220184 | Implicit registration handling in service continuity | Samsung | 23.558 | 0083 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220366 | Implicit registration handling in service continuity | Samsung | 23.558 | 0083 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-220190 | Service Provisioning correction | Convida Wireless LLC | 23.558 | 0084 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220341 | Service Provisioning correction | Convida Wireless LLC | 23.558 | 0084 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-220217 | Adding missing events for ACR notifications | Huawei, Hisilicon | 23.558 | 0085 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220382 | Adding missing events for ACR notifications | Huawei, Hisilicon | 23.558 | 0085 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-220430 | Adding missing events for ACR notifications | Huawei, Hisilicon | 23.558 | 0085 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-220218 | Correction of ACR request and response messages | Huawei, Hisilicon | 23.558 | 0086 | - | Rel-17 | F | EDGEAPP | agreed |
| S6-220219 | Unique identification in ACR procedures | Huawei, Hisilicon | 23.558 | 0087 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220383 | Unique identification in ACR procedures | Huawei, Hisilicon | 23.558 | 0087 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-220220 | Unique identification of the EEC context in ACR procedures | Huawei, Hisilicon | 23.558 | 0088 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220384 | Unique identification of the EEC context in ACR procedures | Huawei, Hisilicon | 23.558 | 0088 | 1 | Rel-17 | F | EDGEAPP | agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S6-220006 | LS00319\_001 | Liaison about Publication of Standard MEF 84 Network Slice Service and Attributes | MEF Forum | noted | (none) |
| S6-220007 | R2-2111511 | Further reply on MBS broadcast service continuity | RAN2 | noted | (none) |
| S6-220008 | R3-216196 | Reply LS on Bearer pre-emption rate limit issue for GBR bearer establishment in MC systems | RAN3 | noted | (none) |
| S6-220009 | S3-214337 | LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT | SA3 | postponed | (none) |
| S6-220010 | S4-211647 | Reply LS to CT3 Questions and Feedback on EVEX | SA4 | noted | (none) |
| S6-220011 | S2-2109171 | Reply LS on maximum number of MBS sessions that can be associated to a PDU session | SA2 | replied to | S6-220262 |
| S6-220012 | S4-211658 | LS on follow-up on EAS definition | SA4 | replied to | S6-220351 |
| S6-220013 | OPG\_72\_Doc\_04\_LS\_OPG\_ETSI-3GPP-SDO Mapping FINAL | Reply LS from GSMA Operator Platform Group to 3GPP SA, SA2, SA5, SA6 and ETSI ISG MEC on edge computing definition and integration | GSMA OPG (Operator Platform Group) | noted | (none) |
| S6-220014 | C1-217117 | LS on Identification of ACRs | CT1 | replied to | S6-220386 |
| S6-220015 | S5-216412 | Reply LS on Prioritized Vehicle to Cloud Technical Solutions (Automotive Edge Computing Consortium (AECC)) | SA5 | noted | (none) |
| S6-220016 | S1-214238 | Reply LS on 3GPP SA1 clarifications on problematic UAV | SA1 | noted | (none) |
| S6-220017 | OPAG\_04\_Doc\_02\_LS\_OPAG\_ETSI-3GPP-SDO Workshop | Reply LS from GSMA Operator Platform API Group to 3GPP SA, SA2, SA5, SA6 and ETSI ISG MEC on edge computing definition and integration. | GSMA Operator Platform API Group | noted | (none) |
| S6-220018 | SP-211621 | LS on Energy Efficiency as guiding principle for new solutions | SA | noted | (none) |
| S6-220042 | C3-220405 | LS on clarifications to the Application Context Relocation (ACR) functionality | CT3 | replied to | S6-220387 |
| S6-220043 | C1-220853, C3-220481 | LS on Enquires on Application Context Relocation (ACR) functionality | CT1, CT3 | replied to | S6-220431 |
| S6-220044 | C1-220854 | LS on ECS provider identification in ECS address provisioning | CT1 | replied to | S6-220076 |
| S6-220045 | R3-221302 | LS on MBS Service Area Identity and start procedure for broadcast service | RAN3 | noted | (none) |
| S6-220046 | S5-221501 | Reply LS on energy efficiency as guiding principle for new solutions | SA5 | noted | (none) |
| S6-220047 | S5-221548 | Reply LS on slicing management aspects in relation to SEAL | SA5 | noted | (none) |
| S6-220048 | S5-221560 | Reply LS on network slice management service consumption | SA5 | noted | (none) |
| S6-220120 | OPAG 09 Doc 04 | Further Operator Platform Group questions following SDO Workshop | GSMA OPG (Operator Platform API Group) | replied to | S6-220432 |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S6-220262 | Reply LS on maximum number of MBS sessions that can be associated to a PDU session | SA2 | CT1, SA4, SA6, RAN2, RAN3 | S6-220011 |
| S6-220265 | Reply LS on Prioritized Vehicle to Cloud Technical Solutions (Automotive Edge Computing Consortium (AECC)) | AECC | SA, SA1, SA2, SA5 | S6-212501 |
| S6-220351 | Reply LS on follow-up on EAS definition | SA4 | SA2 | S6-220012 |
| S6-220386 | Reply LS on Identification of ACRs | CT1 | CT3 | S6 220014 |
| S6-220387 | Reply LS on clarifications to the Application Context Relocation (ACR) functionality | CT3 | CT1 | S6-220042 |
| S6-220429 | LS on FS\_eEDGEAPP Solution for Support of Roaming UEs | SA2 | CT1, CT4 | - |
| S6-220431 | Reply LS on Enquires on Application Context Relocation (ACR) functionality | CT1, CT3 | - | S6-220043 |
| S6-220432 | Reply LS on further Operator Platform Group questions following SDO Workshop | SA | SA2, SA3, SA5 | S6-220120 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S6-220019 | Revised SID on Study on enhanced architecture for UAS Applications | InterDigital | SID revised |
| S6-220333 | Revised SID on Application Capability Exposure for IoT Platforms | Convida Wireless LLC | SID revised |
| S6-220373 | Revised SID Study on Application layer support for Personal IoT Networks | vivo Mobile Communications Ltd, China Unicom, China Telecom, Spreadtrum | SID revised |
| S6-220424 | Revised SID on application enablement aspects for subscriber-aware northbound API access | NTT DOCOMO | SID revised |
| S6-220427 | Revised SID on 5G-enabled fused location service capability exposure | CATT | SID revised |
| S6-220279 | New WID on Interconnection and Migration Aspects for Railways | Nokia, Nokia Shanghai Bell, UIC, Kontron Transportation France | WID new |
| S6-220477 | New WID on support of the 5GMSG Service phase 2 | China Mobile Com. Corporation | WID new |

## Annex E: List of draft Technical Specifications and Reports

None

## Annex F: List of action items

None

## Annex G: List of decisions

None

## Annex H: List of participants

|  |  |  |
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## Annex I: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Title** | **Start date** | **End date (OP)** | **Town** | **Country** | **Reference** |
| 3GPPSA6#48-e | 05/04/2022 | 14/04/2022 | Online | NA | S6-48 |
| 3GPPSA6#49-e | 16/05/2022 | 24/05/2022 | Online | NA | S6-49 |
| 3GPPSA6#49-bis-e | 22/06/2022 | 01/07/2022 | Online | NA | S6-49-bis |
| 3GPPSA6#50 | 22/08/2022 | 26/08/2022 | Wroclaw  TBC | PL | S6-50 |
| 3GPPSA6#51 or  3GPPSA6#51-e | 10/10/2022 | 14/10/2022 | TBC | NA | S6-51 |
| 10/10/2022 | 18/10/2022 | Online  TBC | NA | S6-51 |
| 3GPPSA6#52 | 14/11/2022 | 18/11/2022 | TBC | NA | S6-52 |