**3GPP TSG-SA WG6 Meeting #49-e S6-220981**

**e-meeting, 16th – 25th May 2022**

Source: MCC

Title: SA6 Meeting 48-e report

Agenda Item: 3

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*Abstract: Meeting report of 3GPP SA6 meeting #48-e*

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

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

**e-meeting, n/a, 05/04/2022 to 14/04/2022**

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Contents:

1 Opening of the meeting 4

1.1 IPR and antitrust policy reminders 4

1.2 Reminder to register to the e-meeting 4

2 Agenda and Chair notes 4

3 Report from previous meetings 5

4 Liaison statements 6

4.1 Incoming LSs 6

4.2 Outgoing LSs 19

5 Items for early consideration 24

5.1 Working Agreements / Technical Votes 24

5.2 SA6 Vice-Chair Election 24

5.3 Others 24

6 Rel-16 Work Items 25

7 Rel-17 Work Items 25

7.1 eMONASTERY2 - Enhancements to Application Architecture for the Mobile Communication System for Railways Phase 2 25

7.2 MCIOPS - MC services support on IOPS mode of operation 25

7.3 enh3MCPTT - Enhanced Mission Critical Push-to-talk architecture phase 3 25

7.4 eMCData3 - Enhancements for functional architecture and information flows for Mission Critical Data 25

7.5 MCOver5GS - Mission Critical Services over 5GS 25

7.6 EDGEAPP - Architecture for enabling Edge Applications 25

7.7 eV2XAPP - Enhanced application layer support for V2X services 31

7.8 UASAPP - Application layer support for Unmanned Aerial System (UAS) 31

7.9 eSEAL - Enhanced Service Enabler Architecture Layer for Verticals 31

7.10 5GMARCH - Application Architecture for MSGin5G Service 33

8 Rel-18 Work-Items 33

8.1 MCOver5MBS - Mission Critical Services over 5MBS 33

8.2 MCOver5GProSe - Mission Critical Services over 5GProSe 36

8.3 MCGWUE - Gateway UE function for Mission Critical Communication 38

8.4 enh4MCPTT - Enhanced Mission Critical Push-to-talk architecture phase 4 40

8.5 IRail - Interconnection and Migration Aspects for Railways (Pending SA approval) 41

8.6 FFAPP - Application layer support for Factories of the Future (FF) 42

8.7 eSEAL2 - Enhanced Service Enabler Architecture Layer for Verticals Phase 2 44

8.8 5GMARCH2 - Support of the 5GMSG Service phase 2 (Pending SA approval) 45

9 Rel-18 Study Items 48

9.1 FS\_MCOver5GS - Study on Mission Critical Services support over 5G System 48

9.2 FS\_MCShAC - Study on sharing of administrative configuration between interconnected MC service systems 49

9.3 FS\_MCAHGC - Study on Mission Critical Ad hoc Group Communications Support for Mission Critical Services 50

9.4 FS\_NSCALE - Study on Network Slice Capability Exposure for Application Layer Enablement 51

9.5 FS\_SNAAPP - Study on application enablement aspects for subscriber-aware northbound API access 61

9.6 FS\_ACE\_IOT - Study on Application Capability Exposure for IoT Platforms 67

9.7 FS\_5GFLS - Study on 5G-enabled fused location service capability exposure 68

9.8 FS\_eEDGEAPP - Study on enhanced Application Architecture for enabling Edge Applications 71

9.9 FS\_eUASAPP - Study on enhanced architecture for UAS Applications 90

9.10 FS\_SEALDD - Study on SEAL data delivery enabler for vertical applications 91

9.11 FS\_eV2XAPP2 - Study on enhancements to application layer support for V2X services; Phase 2 95

9.12 FS\_ADAES - Study on Application Data Analytics Enablement Service 96

9.13 FS\_PINAPP - Study on Application layer support for Personal IoT 99

10 Future work / New WIDs (including related contributions) 101

11 Work Plan review 102

12 Future meetings 102

13 AOB 102

14 Close of the meeting 102

Annex A: Contribution documents and status 103

A1: List of TDocs 103

Annex B: List of change requests 116

Annex C: Lists of liaisons 121

C1: Incoming liaison statements 121

C2: Outgoing liaison statements 121

Annex D: List of agreed/approved new and revised Work Items 122

Annex E: List of draft Technical Specifications and Reports 122

Annex F: List of action items 122

Annex G: List of decisions 122

Annex H: List of participants 123

Annex I: List of future meetings 127

## 1 Opening of the meeting

### 1.1 IPR and antitrust policy reminders

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

**IPR Call Reminder:**

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

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

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

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

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

**Antitrust declaration:**

The chair of the meeting made the following antitrust declaration:

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

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

The chair reminded delegates of the importance to register for the meeting as well as confirming ones presence, as the presence in online meetings now counts towards gaining voting rights.

## 2 Agenda and Chair notes

**S6-220482 SA6 Meeting 48-e Agenda**

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

**Abstract:**

Agenda for the SA6#48-e meeting

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

**S6-220484 SA6 Meeting #48-e - Agenda with Tdocs allocation after submission deadline**

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

**Abstract:**

The SA6#48-e meeting 8agenda with Tdocs allocation after submission deadline

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

**S6-220485 SA6 Meeting #48-e - Agenda with Tdocs allocation at start of the meeting**

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

**Abstract:**

The SA6#48-e meeting agenda with Tdocs allocation at the start of the meeting

**Discussion:**

The agenda in S6-220485 initially approved was revised to S6-220747 as it was discovered that the document S6-220635 had been accidentally deleted.

**Decision:** The document was **revised to S6-220747**.

**S6-220747 SA6 Meeting #48-e - Agenda with Tdocs allocation at start of the meeting**

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

(Replaces S6-220485)

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

**S6-220486 SA6 Meeting #48-e - Chair's notes at end of the meeting**

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

**Abstract:**

Chair's notes at end of the SA6#48-e meeting

**Decision:** The document was **revised to S6-220979**.

**S6-220979 SA6 Meeting #48-e - Chair's notes at end of the meeting**

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

(Replaces S6-220486)

**Discussion:**

Post meeting revision to correct the following in the the chair notes:

- Document 940 was mistakenly marked as postponed as it was approved

- Documents 937 and 938 had a title update to “Minor corrections on network resource management for 5G TSC”

- Documents 618 and 859 are moved to agenda item 7.9 eSEAL

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

## 3 Report from previous meetings

**S6-220483 SA6 Meeting 47-e Report**

*Type: report For: Approval  
 Source: MCC*

**Abstract:**

The report of the SA6#47-e meeting.

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

## 4 Liaison statements

### 4.1 Incoming LSs

**S6-220488 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:**

Nokia presented during the opening call the LS available as S6-220488.

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

**S6-220492 Reply 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: S1-220185, to SA3, SA6, cc SA  
 Source: SA1*

**Abstract:**

1 . Overall description

SA1 thanks SA3 for their LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT.

In response to the request to clarify the intention, main use cases, scope, and main requirements of the service for data integrity verification service introduced in TS 22.261, SA1 provides the following.

The requirement related to data integrity verification service in TS 22.261 states:

“Subject to regulatory requirements and based on operator policy, the 5G system shall provide a mechanism to support data integrity verification service to assure the integrity of the data exchanged between the 5G network and a third-party service provider.

NOTE: This requirement could apply to mechanisms supported over the interface between 5G core network and an external application, with no impact on RAN and UE.”

This requirement applies to data integrity verification service applied to the data exchanged between the 5G network and a third-party service provider. Additionally, in the WID, SP-210213, and CR, 22.261 CR0496R1, which introduced this requirement, neither the boxes for the UE or RAN were checked.

2. Actions

To SA3, SA6

ACTION: SA1 kindly requests that SA3 and SA6 take the above response into account.

**Discussion:**

Nokia presented during the opening call the LS available as S6-220492.

China Unicom suggested to simply note the LS at this stage, until the requirement is clarified (SA1).

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

**S6-220489 Reply LS on MBS Service Area Identity and start procedure for broadcast service**

*Type: LS in For: Action  
 Original outgoing LS: S2-2201517, to RAN3, RAN2, SA6, cc SA4, SA5  
 Source: SA2*

**Abstract:**

1. Overall Description:

SA2 thanks RAN3 for their LS on MBS Service Area Identity and start procedure for broadcast service. SA2 discussed the LS and would like to provide the following feedback:

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;

SA2 response

SA2 discussed and agreed to replace the "MBS XXX ID" with "MBS Frequency Selection Area (FSA) ID".

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.

SA2 response

For the length of MBS FSA ID, SA2 considers the following two options:

Option 1: using 2 octets to align with MBMS SAI defined in 3GPP TS 23.003 and TS 36.331.

Option 2: using 3 octets for flexibility to allow further extension.

SA2 suggests 3-octet length but leaves the final decision to RAN2.

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.

SA2 response

SA2 can accept that indication of session start success or failure is on a per gNB basis unless concerns are raised by SA6. SA2 would like to get feedback from SA6.

2. Actions:

To RAN WG3

ACTION: SA2 kindly requests RAN3 to take the above information into consideration.

To RAN WG2

ACTION: SA2 kindly requests RAN2 to confirm the length of MBS FSA ID suggested by SA2.

To SA WG6

ACTION: SA2 kindly requests SA6 to provide feedback on the indication of session start success or failure on a per gNB basis.

**Discussion:**

CATT presented during the opening call the LS available as S6-220489.

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

**S6-220490 LS on 5MBS User Services**

*Type: LS in For: Information  
 Original outgoing LS: S4-220304, to SA2, CT3, CT4, cc SA6  
 Source: SA4*

**Abstract:**

1 . Overall description

SA4 is pleased to provide the following progress update on the 5MBUSA work item, and requests feedback according to the actions listed in section 2 below.

1.1 Current status

In relation to the Release 17 normative work item 920010 ("5G Multicast-Broadcast User Service Architecture and related 5GMS Extensions "), SA4 would like to inform you that it has progressed the stage 2 technical specification and is pleased to attach draft TS 26.502 V1.1.0 agreed at the SA4#117-e meeting for your information, review and feedback.

SA4 would like to draw your attention to the following additions in this revision of the specification:

1. A Static domain model for MBS User Service, MBS User Data Ingest Session and MBS Distribution Session in the MBSF and MBSTF at clause 4.5. This includes schematic and UML representations of the domain model, along with specification of stage 2 baseline parameters.

2. A dynamic life-cycle model for MBS User Service in the MBSF and MBSTF at clause 4.6.

3. An outline specification of the Network Function services exposed by the MBSF and MBSTF respectively:

- Nmbsf service operations at reference point Nbm10 are specified in clause 7.2.

- Nmbstf service operations at reference point Nmb2 are specified in clause 7.3.

- It is recognised that more detail may be required in clause 7 to assist with stage 3 API design.

4. A set of informative examples and protocol stack diagrams in annex B illustrating how User Plane data is ingested by the MBSTF at reference point Nmb8 and passed on to the MB UPF at reference point Nmb6.

1.2 Open questions

In discussion of support for Group Communication services in TS 26.502 during the SA4#117-e meeting, different opinions were expressed about whether GC services (e.g MCX services) are only allowed to use 5MBS capabilities via reference point MB2 in Release 17. SA4 would therefore like to ask SA2 the following questions concerning the scope of interworking between GC services and the MBS System to clarify the Release 17 requirement on TS 26.502 and to assist with future-proofing the design of MBS User Services:

Q1: Is collaboration between the Group Communication System Enabler (TS 23.468) and the MBS System achieved only at reference points MB2-C and MB2-U in Release 17, as specified in TS 23.247 annex C?

Q2: Assuming the answer to Q1 is yes, does SA2 intend to revise TS 23.247 and/or TS 23.468 in Release 18 to permit collaboration between the Group Communication System Enabler and the MBS System via reference points Nmb10 and Nmb8, per figure 4.7.2 1 in TS 23.289, Release 18?

2 . Actions

To SA2

ACTION 1: SA4 kindly asks SA2 to review the draft TS and provide feedback on whether it satisfies the envisaged work split with TS 23.247.

ACTION 2: SA4 kindly asks SA2 to provide feedback on questions Q1 and Q2 above.

To CT3/CT4

ACTION: SA4 asks CT3/CT4 to review clause 7 (Network Function service) and provide early feedback on its suitability.

**Discussion:**

The LS was noted during the opening call.

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

**S6-220491 LS on AF specific UE ID retrieval**

*Type: LS in For: Action  
 Original outgoing LS: C3-221735, to SA2, SA3, SA6, cc CT4  
 Source: CT3*

**Abstract:**

1 . Overall description

SA4 is pleased to provide the following progress update on the 5MBUSA work item, and requests feedback according to the actions listed in section 2 below.

1.1 Current status

In relation to the Release 17 normative work item 920010 ("5G Multicast-Broadcast User Service Architecture and related 5GMS Extensions "), SA4 would like to inform you that it has progressed the stage 2 technical specification and is pleased to attach draft TS 26.502 V1.1.0 agreed at the SA4#117-e meeting for your information, review and feedback.

SA4 would like to draw your attention to the following additions in this revision of the specification:

1. A Static domain model for MBS User Service, MBS User Data Ingest Session and MBS Distribution Session in the MBSF and MBSTF at clause 4.5. This includes schematic and UML representations of the domain model, along with specification of stage 2 baseline parameters.

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3. An outline specification of the Network Function services exposed by the MBSF and MBSTF respectively:

- Nmbsf service operations at reference point Nbm10 are specified in clause 7.2.

- Nmbstf service operations at reference point Nmb2 are specified in clause 7.3.

- It is recognised that more detail may be required in clause 7 to assist with stage 3 API design.

4. A set of informative examples and protocol stack diagrams in annex B illustrating how User Plane data is ingested by the MBSTF at reference point Nmb8 and passed on to the MB UPF at reference point Nmb6.

1.2 Open questions

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Q2: Assuming the answer to Q1 is yes, does SA2 intend to revise TS 23.247 and/or TS 23.468 in Release 18 to permit collaboration between the Group Communication System Enabler and the MBS System via reference points Nmb10 and Nmb8, per figure 4.7.2 1 in TS 23.289, Release 18?

2. Actions

To SA2

ACTION 1: SA4 kindly asks SA2 to review the draft TS and provide feedback on whether it satisfies the envisaged work split with TS 23.247.

ACTION 2: SA4 kindly asks SA2 to provide feedback on questions Q1 and Q2 above.

To CT3/CT4

ACTION: SA4 asks CT3/CT4 to review clause 7 (Network Function service) and provide early feedback on its suitability.

**Discussion:**

Ericsson presented during the opening call the LS available as S6-220491.

A draft reply was available as S6-220634.

**Decision:** The document was **replied to in S6-220634**.

**S6-220493 Reply LS on ad hoc group communication**

*Type: LS in For: Action  
 Original outgoing LS: S1-220186, to SA6, cc -  
 Source: SA1*

**Abstract:**

1 . Overall description

SA1 thanks SA6 for their LS on ad hoc group communication, and provides answers to the questions asked.

Q1: Is the Group ID required for MCX Service or an authorized MCX user to establish Ad hoc group communication?

SA1 observes that Ad hoc group communication is similar to group communication in most of the aspects except that the Group doesn’t exist beforehand. Many operations rely on the Group ID, for example upgrade the ongoing call to emergency, for logging purposes, etc. All these aspects are not addressed at stage 1.

Answer: Ad hoc group communication is another type of group communication and so SA1 confirms that a Group ID is required for establishment of Ad hoc group communication.

Whether the MCX Service is required to enable the MCX users participating in the Ad hoc group communication to receive the Ad hoc group related information (e.g. Group ID) prior to or during the Ad hoc group communication?

Answer: The MCX Service is required to enable the MCX users participating in the Ad hoc group communication to receive Ad hoc group related information including the Group ID during the Ad hoc group communication. Whether the group ID provided by the MCX service system or by the initiator of the call must is not determined at stage 1 as this is a stage 2 aspect.

Q2: 3GPP TS 22.280 sub clause 6.15.5.2 and 6.15.5.3 capture the below requirements:

[R-6.15.5.2-004] The MCX Service shall provide a mechanism for an MCX Service Administrator to configure additional conditions under which MCX Service Ad hoc Group Communication shall be terminated (e.g., last Participant leaving, second last Participant leaving, initiator leaving).

[R-6.15.5.3-001] The MCX Service shall provide a mechanism for an MCX Service Administrator to configure which MCX Users, within their authority, are authorized to initiate a MCX Service Ad hoc Group Communication.

[R-6.15.5.3-002] The MCX Service shall provide a mechanism for an MCX Service Administrator to configure the maximum number of MCX Users who can participate in a MCX Service Ad hoc Group Communication.

[R-6.15.5.3-003] The MCX Service shall provide a mechanism for an MCX Service Administrator to configure which MCX Users are authorized to participate in a MCX Service Ad hoc Group Communication. [TS 22.280 R-6.7.2-003]

[R-6.15.5.3-004] The MCX Service shall provide a mechanism for an MCX Service Administrator to define the default parameters for MCX Service Ad hoc Group communication (e.g., priority, hang time, broadcast mode).

[R-6.15.5.3-005] The MCX Service shall provide a mechanism for an MCX Service Administrator to configure whether MCX Service Ad hoc Group Communication is allowed on the MCX system regardless of individual MCX User authorizations.

Clarify whether the MCX Service is required to enable the MCX users participating the Ad hoc group communication to receive the above configurations or default parameters prior to or during the ad hoc group communication,

Answer: The requirements listed above provide specific configurations that must be available in order for Ad hoc group communication to occur. It is up to SA6 to decide which parameters must be provided to the MCX users, the MCX system, or both. It is also up to SA6 to determine when parameters are provided (prior or during the ad hoc group communication.)

and whether the MCX Service is required to provide configurations for Ad hoc group communication differently than providing the normal group configurations for other type of MC service group communication.

Answer: SA1 responds that from a functional perspective, the configurations for Ad hoc group communication differ from other forms of group communication. How this configuration is to be specified, interpreted or provisioned is a matter for SA6 to decide.

2 . Actions

To the SA6 group

ACTION: SA1 asks that SA6 take the answers provided above into account.

**Discussion:**

Samsung presented during the opening call the LS available as S6-220493.

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

**S6-220494 Reply LS on Further GSMA OPAG questions following SDO Workshop**

*Type: LS in For: Information  
 Original outgoing LS: S2-2201721, to SA, cc SA3, SA5, SA6  
 Source: SA2*

**Discussion:**

The LS was noted.

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

**S6-220496 Reply LS on Further Operator Platform Group questions following SDO Workshop**

*Type: LS in For: Information  
 Original outgoing LS: S3-220571, to SA, cc SA2, SA6, SA5  
 Source: SA3*

**Abstract:**

1 . Overall description

SA3 would like to thank GSMA OPAG for their LS on Operator Platform Group questions following SDO Workshop (S3-220443).

SA3 would like to provide answers to security related questions raised:

1. Which are the security mechanisms/procedures proposed for UNI authentication?

[SA3] SA3 has agreed the attached pCRs (S3-220553 and S3-220554) for the security mechanisms proposed for EDGE-1 and EDGE-4 interfaces.

2. Actions

To GSMA

ACTION: SA3 asks 3GPP SA to take the above information into consideration for inclusion into the consolidated reply from SA to GSMA OPAG.

**Discussion:**

The LS was noted.

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

**S6-220512 Reply LS to GSMA Operator Platform Group on edge computing definition and integration**

*Type: LS in For: Information  
 Original outgoing LS: SP-210003, to GSMA OPG, GSMA OPAG, cc 3GPP SA2, SA3, SA5, SA6, CT1, CT3, ETSI ISG MEC, ETSI ISG NFV  
 Source: SA*

**Abstract:**

1. Overall Description:

3GPP TSG SA thanks GSMA OPG for the continued dialogue with 3GPP in relation to the Operator Platform Group activities.

3GPP SA is happy to note the launch of the new GSMA OPAG (Operator Platform API Group) sub-group within GSMA OPG. In fact, SA would like to thank GSMA for organizing the informational webinar on Dec 02nd outlining the overview and the current status of the GSMA OPG and OPAG initiatives, where a number of 3GPP delegates are known to have participated.

3GPP SA has reviewed the OPAG APIs and the SDO mapping highlighted during the informational webinar, and observed that the ongoing 3GPP work related to Edge Computing in various working groups is not fully reflected in the current GSMA assessment.

In the attached document, 3GPP inputs are provided against each of the OPAG API blocks/categories with the appropriate references to 3GPP specifications, and as well as additional feedback/remarks for your consideration (please see the last two columns).

3GPP SA intends to continue the close collaboration with GSMA OPG/OPAG on this important initiative and looks forward to the follow-up workshop to be held on January 21st, to further discuss the details of the API mapping and address any clarifications. It is expected that related SA WGs will continue to work on GSMA OPG requirements (in both Rel-17 and Rel-18) based on the planned activities (i.e. work items and workplan) within the respective working groups.

2. Actions:

To GSMA OPG, GSMA OPAG:

ACTION: 3GPP SA kindly asks GSMA to take into account the 3GPP inputs corresponding to the OPAG APIs and SDO mapping.

**Discussion:**

The LS was noted.

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

**S6-220514 Reply LS to GSMA OPG on Further Operator Platform Group questions following SDO Workshop**

*Type: LS in For: Information  
 Original outgoing LS: SP-220346, to GSMA OPG, GSMA OPAG, cc 3GPP SA2, SA3, SA5, SA6, ETSI ISG MEC, ETSI ISG NFV  
 Source: SA*

**Abstract:**

1. Overall Description:

3GPP TSG SA thanks GSMA OPAG for the workshop held on January 21st, to discuss the details of the Operator Platform API mapping and the feedback from 3GPP.

SA has reviewed the follow-up questions from GSMA OPAG and prepared the below responses from 3GPP (with inputs from SA2, SA3 and SA6 working groups).

1. Which are the security mechanisms/procedures proposed for UNI authentication?

[3GPP response] 3GPP TS 23.558 references 3GPP TS 33.558 for UNI authentication and authorization procedures.

Please refer to the clauses “6.2 Authentication and Authorization between EEC and ECS” and “6.3 Authentication and Authorization between EEC and EES” of 3GPP TS 33.558 for the security mechanisms i.e. authentication and authorization for EDGE-4 and EDGE-1 interfaces respectively.

2. Are there any additional details regarding the availability of specifications related to EWBI TR 23.700-98?

[3GPP response] Based on Rel-18 eEDGEAPP study, a number of key issues and solutions related to EWBI covering Roaming and Federation, Service Continuity and Synchronization are included in the latest 3GPP TR 23.700-98 v0.5.1.

The study is expected to complete in June 2022, and subsequent normative work is expected to be completed within Rel-18 timeframe.

3. Has the support for service continuity management been defined in the SCEF/NEF specification? From the 3gpp references provided, it seems to be supported only in TS 23.558|29.588.

[3GPP response] Besides TS 23.558 and 29.588, mechanisms for supporting service continuity at the network layer are also defined in TS 23.501 and TS 23.548, including e.g. SSC modes, AF influenced traffic routing, Edge relocation. Some of the procedures, e.g. AF influenced traffic routing, leverage NEF for interaction between AF and 5GS.

To further clarify, 3GPP TS 23.558 specifies application layer service continuity at Edge Enabler Layer (EEL), which supports 5 different scenarios (see clause 8.8 of 3GPP TS 23.558). APIs related to Application layer service continuity at EEL are available directly to Edge Application Server (EAS) via EDGE-3. These APIs internally leverage SCEF/NEF APIs as described in 3GPP TS 23.501 and 3GPP TS 23.548 e.g. for capabilities exposed by the 3GPP core network such as AF traffic influence, the location information, QoS monitoring.

4. Do 3GPP specifications cover scenarios including session continuity support for handover from 5G networks to 4G and other non-3GPP access technologies?

From 3GPP Release 15 onwards, the service and session continuity is described for 5G to 5G handover scenarios with the provision of SSC modes 1, 2 and 3 and an OP is expected to interact with the mobile network over its SBI-NR interface using NEF and SCEF APIs to support end-to-end application session continuity. We would like to know if similar support is envisioned for session continuity for the previously mentioned scenarios, i.e. UE session handovers between 4G or non-3GPP access and 5G.

[3GPP response] PDU Sessions of SSC mode 1, 2, 3 can handover between 3GPP access and non-3GPP access connecting to 5GC. At handover during interworking between 5GC and EPC all PDU sessions are handled as SSC mode 1.

5. The Northbound APIs (NEF T8 interfaces) require information like UE IP address, MAC address etc. which is typically managed by 5G core networks. Is there any guidance available on how an external application function (AF) can have access to such information when placed outside of the 5G core network?

As the information like UE IP address is internal to mobile network, it may be an issue for external AFs outside the trust zone of mobile networks to get such information and refer to it when using NEF APIs.

[3GPP response] The AF may obtain UE IP address and/or MAC address via user plane packet or application layer negotiation. The AF can then use the UE IP address to UE ID translation service (provided by 5GC as specified in clause 4.15.10 of 3GPP TS 23.502 or as provided by the EEL as specified in clause 8.6.5 of 3GPP TS 23.558) to translate the UE IP address to UE ID and use it for API invocation. However, if a NAT is deployed between the AF and the UE, the AF would see the public IP address of the UE, that cannot be translated to the UE ID. To allow translation while NAT is deployed, SA6 is studying Key Issue #16 in the 3GPP TR 23.700-98.

Besides IP address or MAC address, an external AF may also use other public identifiers, e.g., GPSI (Generic Public Subscription Identifier), to invoke NEF services.

6. As the 3GPP defines interaction between NEF and AF via Northbound APIs, does it impose any kind of timing constraints (soft or hard duration) for AF when AF needs to acknowledge back to 5G Core?

As some of the 3GPP network procedures also expect assistance information from external AF e.g. “the indication of "AF acknowledgment to be expected" (3GPP TS 23.502 V16.9.0, “Change of SSC mode 3 PDU Session Anchor with multiple PDU Sessions”) included in AF subscription to SMF events, the SMF waits for a notification response from the AF”. It is important to understand if such acknowledgements from external AF are to be strictly bound by timing constraints so that mobile core network procedures may also work correctly.

[3GPP response] Regarding the indicated case on “the indication of "AF acknowledgment to be expected"”, according to 3GPP TS 23.501 clause 5.6.7.2, the SMF can assume, according to local policy, a negative response if a response is expected but not received from the AF within a certain time window.

Further please note that 3GPP TS 23.558 exposes APIs towards EAS over EDGE-3. All EDGE-3 APIs are implemented as RESTful APIs and hence any expected request timeout is based according to HTTP protocol.

2. Actions:

To GSMA OPAG:

ACTION: 3GPP TSG SA kindly asks GSMA OPAG to take into account the above responses.

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

**S6-220495 LS on query on EEC Registration Update procedure**

*Type: LS in For: Action  
 Original outgoing LS: C1-222046, to SA6, cc -  
 Source: CT1*

**Abstract:**

1. Overall Description:

As part of the EEC registration functionality, CT1 asks for the following clarification:

- In clause 8.4.2.2.3 of TS 23.558, upon receiving the EEC registration update request with list of AC profile(s), how does the EES respond when the EES determines that the requirements indicated in the AC profile(s) cannot be fulfilled for at least one AC profile?

2. Actions:

To: SA6 group.

ACTION: CT1 asks SA6 to kindly consider the information provided and reply the above question.

**Discussion:**

Samsung presented during the opening call the LS available as S6-220495.

**Decision:** The document was **replied to in S6-220672**.

**S6-220497 LS on presentation of EUWENA and involvement in 3GPP on Non Public Network**

*Type: LS in For: Information  
 Original outgoing LS: Presentation EUWENA March 2022, to SA6, cc -  
 Source: EUWENA*

**Abstract:**

1. Overall Description:

EUWENA (European Users Wireless Enterprise Network Association, https://www.euwena.eu) has been established in 2021, as a vehicle to entice and promote private wireless networks (Non Public Network for 3GPP) or services for industries and verticals.

EUWENA clearly recognizes the need for mobile connectivity in a wide range of public and private enterprises and organisations related to the particular area where the enterprise or organization operates. This need can be geographically determined: from a confined, local area, all the way up to a nationwide and even global footprint; indoor and/or outdoor; application-related such as voice, data or video, from modest IoT messages up to 8k-video-streams, and diverse levels of criticality and latency from basic non-real-time data transmission to the steering of a crane. In multiple scenarios, a best effort solution is simply not good enough, as critical services require high availability with guaranteed service levels.

EUWENA mission statement [1] is: "Working together with all interested parties, EUWENA acts as a catalyst for the wider adoption of feature-rich private mobile networks across Europe. It advocates sufficient, accessible, affordable, harmonised spectrum and promotes an open, multi-vendor approach to advanced services and applications running in these networks. EUWENA’s ultimate goal through its actions is to make the adoption of such solutions as easy as possible for as many organisations as possible, thereby creating enhanced and sustained value for enterprises and wider society.”

In this context, EUWENA intends to represent verticals and sees its roles as following:

• To speed up the availability and harmonisation of sufficient frequency spectrum for private wireless networks in Europe, stimulating the creation of an open ecosystem.

• To exchange knowledge and experience on the technology, demand and supply market, to contribute to the digital transformation process, accelerating the adoption of mobile broadband technology by enterprises in Europe and supporting the specific needs of vertical sectors.

• To inform, advise and represent European enterprise users in established European spectrum, regulatory and related organisations and in international interest groups for private networks.

• To help enterprise customers define and deploy the best spectrum and private mobile network strategies

Within EUWENA, there are currently 4 technical workgroups which have specific focus areas:

• Standards Working Group: It is the main body within EUWENA feeding industry and enterprise private wireless network requirements into regional and global standards organisations, liaising closely with 3GPP, ETSI and other relevant and related bodies, as well as informing our members of latest developments, standards releases and main future trends which will impact their businesses

• Working Group on Alliances and Associations: Some countries already have national business-critical user wireless solution associations. In addition, there are already a few international bodies and associations, either horizontally oriented or vertically oriented towards a specific sector.

• Spectrum harmonisation Working Group: Wireless networks and solutions start with the availability of appropriate frequency spectrum. EUWENA advocates sufficient, accessible, affordable, harmonized spectrum for private broadband networks in Europe. EUWENA will develop the approach, strategy and undertake necessary actions to achieve this goal.

• Supply Ecosystem Working Group: Supply and availability of a diverse eco-system of technology will enable the full benefits of private 4G/5G spectrum for the users

A 5th Working group related to “use cases” is under definition.

In relation to the Standards Working Group and 3GPP, EUWENA members, who are as well 3GPP members, are committed to actively contribute in the 3GPP activities related to Private Cellular Networks or Non Public Networks in particular in the following 3GPP working groups: SA1, SA2, SA6, RAN1, RAN2, RAN3, RAN4, CT1, CT6

2. Actions:

To 3GPP TSG SA, SA1, SA2, SA6:

ACTION: EUWENA kindly asks 3GPP TSG-SA, SA WG1, SA WG2, SA WG6 to take this information into account.

To 3GPP TSG RAN, RAN1, RAN2, RAN3, RAN4:

ACTION: EUWENA kindly asks 3GPP TSG-RAN, RAN WG1, RAN WG2, RAN WG3, RAN WG4 to take this information into account.

To 3GPP TSG CT, CT1, CT6:

ACTION: EUWENA kindly asks 3GPP TSG-CT, CT WG1, CT WG6 to take this information into account.

**Discussion:**

The LS was noted.

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

**S6-220498 Reply LS on maximum number of MBS sessions that can be associated to a PDU session**

*Type: LS in For: Information  
 Original outgoing LS: R2-2204107, to SA2, cc RAN3, CT1, SA4, SA6  
 Source: RAN2*

**Abstract:**

1. Overall Description:

RAN2 thanks SA for the LS on maximum number of MBS sessions that can be associated to a PDU session. RAN2 discussed the LS and would like to provide the following feedback.

On the question:

RAN2 to provide feedback on the maximum number of MBS sessions that can be associated to a PDU session.

RAN2 response:

RAN2 do not have any particular view on the number of MBS sessions associated to a PDU Session.

Currently an MBS session results in one or more Multicast MBS Radio Bearer (Multicast MRB) configuration(s), i.e. an MBS session may contain one or multiple MBS QoS flows, where different flows can be mapped to the same or separate MRBs.

The total number of Radio Bearers that can be configured simultaneously at the UE is currently 16, as in legacy releases. For Rel-17 MBS, RAN2 has agreed that this maximum number of supported RBs per UE is maintained and includes both DRBs and MRBs. Additionally, RAN2 agreed that the UE may signal whether it supports more MRBs, up to 16 additional MRBs on top of this minimum requirement.

The maximum number of active MBS sessions a UE can join will thus be determined based on the UE capability for supporting a resulting number of concurrent MRBs and DRBs.

2. Actions:

To SA2:

ACTION: RAN2 kindly asks SA2 to take the above information into account.

**Discussion:**

Ericsson presented during the opening call the LS available as S6-220498.

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

**S6-220511 LS to 3GPP on MEC Federation and interest to collaborate**

*Type: LS in For: Action  
 Original outgoing LS: MEC(22)000127r5, to 3GPP SA6, cc 3GPP SA, SA2, SA5, ETSI NFV, GSMA OPG, GSMA OPAG  
 Source: ETSI ISG MEC*

**Abstract:**

1 . Overall description

Further to the joint workshop organized by GSMA Operator Platform Group (OPG), on 21/01/2022, ETSI MEC would like to reiterate their interest to collaborate with 3GPP to create consistent standards in avoidance of work duplication. ETSI MEC understand LS exchange to be the most suitable mechanism, coupled with common members participation and contribution in the relevant 3GPP groups.

ETSI MEC considers the time is right to align efforts, starting from the alignment on the SDOs API mapping and work-split. This is expected to show complementary coverage of OP architecture and benefit the entire ecosystem, under the guidance from the OPG on the overall collaboration framework. In order for ETSI MEC to progress its work, such a technical alignment with 3GPP is considered timely (and also to some extent not only motivated by the GSMA needs for federation, even if this is a main driver). So, the present LS is not intended to substitute to any communication from GSMA (that we expect to arrive soon) on the collaboration, but for the sake of technical progress on the details of the standard alignment between ETSI MEC and 3GPP.

ETSI ISG MEC would like to share the public location of the group’s slides presented at the workshop (here) and inform 3GPP about the latest progress of our work, also described in the recent ETSI press release (here). In particular:

• The ISG has recently published the following deliverables: MEC 003 v3.1.1 (here), MEC 010-2 v2.2.1 (here) and MEC 021 v2.2.1 (here). The latest advances to these GS capture the MEC Architecture with variant for MEC Federation, bug fixing on MEC Application lifecycle management, and updates on Application Mobility Service API.

• ETSI GS MEC 040 work item on “MEC Federation Enablement APIs” is continuously evolving and each new iteration is being made available in the MEC Open Area (https://docbox.etsi.org/ISG/MEC/Open) in a dedicated folder (here). Latest advances of MEC 040 include updates related to OP architecture, e.g.: registration of MEC system(s) to the federation, MEC Service discovery, Application package management, Application instance lifecycle management and also data type definition related to the information provided by MEC orchestrator as a part of the “Registration of MEC system to the federation”. All these updates are coherent with the approach proposed at the workshop (slides 4-10, here). Further clauses 6 and 7 are intended for normative API design, and will be added later, also based on the collaboration with GSMA.

• Also the ETSI GS MEC 011 drafts are available in a dedicated folder of the MEC Open Area (here), and it is another important enabler for MEC in the view of aligning with 3GPP, not only for federation purposes. The latest advance of MEC 011 includes the introduction of data type AppInfo representing the information provided by a MEC application instance as part of the "application registration request" message. This data type is intended to allow registration of MEC applications, also for those where LCM is not performed by MEC system (e.g. EASs).

Moreover, for the sake of progress in the normative work to address the GSMA OP requirements, we would like to propose some topics for collaboration with 3GPP groups:

• the synergy between Mp1 and EDGE-3 in SA6;

• clarification of the ETSI MEC specifications and their role for the OP-EWBI/OP-NBI APIs;

• how to reuse existing specs from 3GPP and ETSI MEC, perhaps it will be useful that both SDOs will work together e.g. to bring an example of the proposed «packaging approach» (see ETSI MEC slides at the workshop), as this could help a common understanding, especially from OPG side;

To summarize, ETSI ISG MEC is willing to foster a collaboration with 3GPP SA6 on this topic and look forward to further coordination and alignment among the two standard bodies. We hope that the above information on our current and finalized work area would be helpful for your work, and in case needed, we are happy to provide further information.

2 . Actions

To 3GPP SA6

ACTION: ETSI ISG MEC welcomes continued collaboration with 3GPP SA6 to create consistent standards and avoid duplication of work, as encouraged by GSMA. ETSI ISG MEC kindly asks 3GPP SA6 to consider the above work (in particular MEC 040 and MEC 011) that we see as potentially useful and relevant in this area. In particular, we would like to have your views on the proposed topics for collaboration:

• the synergy between Mp1 and EDGE-3 in SA6;

• further clarification of the ETSI MEC specifications and their role for the OP-EWBI/OP-NBI APIs;

• how to reuse existing 3GPP specs. It’d be useful that both SDOs will work together e.g. to bring an example of the proposed «packaging approach» (see ETSI MEC slides at the workshop), as this could help a common understanding, especially from OPG side.

**Discussion:**

Samsung presented during the opening call the LS available as S6-220511.

**Decision:** The document was **replied to in S6-220746**.

**S6-220513 LS on Text Proposal toward ITU-R draft Report ITU-R M.[IMT.INDUSTRY]**

*Type: LS in For: Information  
 Original outgoing LS: SP-220337, to ITU-R WP5D, cc 3GPP SA1, SA6, RAN  
 Source: SA*

**Discussion:**

The LS was noted.

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

**S6-220515 Reply LS on provision of inputs to the online ITS communication standards database from ITU**

*Type: LS in For: Information  
 Original outgoing LS: SP-220348, to 5GAA WG4, cc 3GPP RAN, WG6  
 Source: SA*

**Abstract:**

1. Overall description

TSG SA thanks 5GAA WG4 for the LS and the question raised.

TSG SA and TSG RAN received the LS from 5GAA WG4 with the question on inclusion of two 3GPP TRs which are currently not approved:

- TR 37.875 v0.6.0 Band combinations for Uu and V2X con-current operation

- TR 23.700-64 Study on enhancements to application layer support for V2X services; Phase 2

TSG SA and TSG RAN concluded, that both TRs are still work in progress and not approved, i.e. not under change control. Hence, they should not yet be populated to the ITU-T Data Base related to the Collaboration on ITS Communication Standards.

TSG SA has identified that 3GPP SA6 developed TS 23.434 – “Service Enabler Architecture Layer for Verticals (SEAL); Functional architecture and information flows” is an important specification of V2X domain and hence should be populated in the ITU Data Base.

TSG SA will report other TRs on this topic on a case-by-case basis.

2 . Actions

To 5GAA WG4

ACTION: TSG SA asks 5GAA to take the feedback into account in their further communication to ITU-T.

**Discussion:**

Huawei presented during the opening call the LS available as S6-220515.

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

### 4.2 Outgoing LSs

**S6-220506 LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation**

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

**Discussion:**

InterDigital presented during the opening call the draft LS (related to proposed pCR in S6-220505).

There was a discussion on whether the pCR should be attached (assuming it would be approved).

InterDigital presented the draft S6-220506 rev1 during the CC#5, in the abesence of comments it was decided to continue discussion offline.

**Decision:** The document was **revised to S6-220848**.

**S6-220848 LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation**

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

(Replaces S6-220506)

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

**S6-220517 Issues using ACR with LADNs**

*Type: discussion For: Endorsement  
 Source: InterDigital*

**Discussion:**

InterDigital presented during the opening call the presentation S6-220517 (related to draft LS S6-220518).

Huawei proposed further discussion on whether there was an issue or not.

The S6-220517 together with S6-220518 and S6-220748 were discussed again during the CC#5.

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

**S6-220518 LS on Issues using Application Context Relocation with Local Area Data Networks**

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

**Discussion:**

InterDigital presented the document S6-220518 during the CC#5 but it was decided to continue discussion offline.

**Decision:** The document was **revised to S6-220850**.

**S6-220850 LS on Issues using Application Context Relocation with Local Area Data Networks**

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

(Replaces S6-220518)

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

**S6-220529 Reply LS on ECS provider identification in ECS address provisioning**

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

**Abstract:**

LS S6-220044 (C1-220854) on ECS provider identification in ECS address provisioning.

**Discussion:**

Nokia noted the draft LS in S6-220529 (related to incoming LS S6-220044) possibly could be merged with S6-220699.

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

**S6-220573 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:**

Vivo presented during the opening call the draft LS (related to incoming LS S6-220044).

It was noted the doc possibly also could be merged with S6-220699.

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

**S6-220699 Reply LS on ECS provider identification in ECS address provisioning**

*Type: LS out For: Approval  
 to CT1, SA2, cc CT3, CT4  
 Source: Qualcomm*

**Discussion:**

Qualcomm presented during the opening call the draft LS available as S6-220699.

It was noted that it may turn difficult to merge the S6-220573 and S6-220529, with the present document.

**Decision:** The document was **revised to S6-220858**.

**S6-220858 Reply LS on ECS provider identification in ECS address provisioning**

*Type: LS out For: Approval  
 to CT1, SA2, cc CT3, CT4  
 Source: Qualcomm*

(Replaces S6-220699)

**Discussion:**

Only change is to include correct attachment.

**Decision:** The document was **revised to S6-220930**.

**S6-220930 Reply LS on ECS provider identification in ECS address provisioning**

*Type: LS out For: Approval  
 to CT1, SA2, cc CT3, CT4  
 Source: Qualcomm*

(Replaces S6-220858)

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

Attachments to this outgoing LS: S6-220857

**S6-220634 Reply LS on AF specific UE ID retrieval**

*Type: LS out For: (not specified)  
 to CT3, cc SA2, SA3  
 Source: SA6*

**Discussion:**

The draft LS was briefly discussed during the opneing call. However as the LS reply is dependent on the CR in S6-220627, the CR should be discussed prior to deciding on the LS.

**Decision:** The document was **revised to S6-220865**.

**S6-220865 Reply LS on AF specific UE ID retrieval**

*Type: LS out For: -  
 to CT3, cc SA2, SA3  
 Source: SA6*

(Replaces S6-220634)

**Discussion:**

Approved as per draft S6-220865 rev1.

**Decision:** The document was **revised to S6-220976**.

**S6-220976 Reply LS on AF specific UE ID retrieval**

*Type: LS out For: -  
 to CT3, cc SA2, SA3  
 Source: SA6*

(Replaces S6-220865)

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

**S6-220672 Replay LS on query on EEC Registration Update procedure**

*Type: LS out For: (not specified)  
 to CT1  
 Source: Samsung Electronics Nordic AB*

**Discussion:**

A brief initial discussion during opening CC.

**Decision:** The document was **revised to S6-220877**.

**S6-220877 Reply LS on query on EEC Registration Update procedure**

*Type: LS out For: -  
 to CT1  
 Source: Samsung Electronics Nordic AB*

(Replaces S6-220672)

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

Attachments to this outgoing LS: S6-220878

**S6-220746 Reply LS on MEC Federation and interest to collaborate**

*Type: LS out For: Approval  
 to ETSI ISG MEC  
 Source: Intel*

**Discussion:**

Intel presented the document S6-220746 during the CC#5.

**Decision:** The document was **revised to S6-220801**.

**S6-220801 Reply LS on MEC Federation and interest to collaborate**

*Type: LS out For: Approval  
 to ETSI ISG MEC, cc 3GPP SA, SA5, SA3, SA2, ETSI NFV, GSMA OPG, GSMA OPAG  
 Source: Intel*

(Replaces S6-220746)

**Discussion:**

Agreed as draft S6-220801 rev1 plus:

- changing Work Item to FS\_eEDGEAPP,#

- removing change marks and

- indicating no attachments.

**Decision:** The document was **revised to S6-220931**.

**S6-220931 Reply LS to ETSI MEC on MEC Federation and interest to collaborate**

*Type: LS out For: Approval  
 to ETSI ISG MEC, cc 3GPP SA, SA5, SA3, SA2, ETSI NFV, GSMA OPG, GSMA OPAG  
 Source: Intel*

(Replaces S6-220801)

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

**S6-220750 LS on network slice LCM consumption and use cases**

*Type: LS out For: Approval  
 to SA5, cc SA2, SA1  
 Source: CATT*

**Decision:** The document was **revised to S6-220792**.

**S6-220792 LS on network slice LCM consumption and use cases**

*Type: LS out For: Approval  
 to SA5, cc SA2, SA1  
 Source: CATT*

(Replaces S6-220750)

**Discussion:**

First it was suggested to just add correct attachment.

Later during the course of the closing call, there were however no consensus on approving the attachment planned to go with the LS.

Finally the meeting approved to S6-220792 rev 3 without any attachment.

**Decision:** The document was **revised to S6-220932**.

**S6-220932 LS on network slice LCM consumption and use cases**

*Type: LS out For: Approval  
 to SA5, cc SA2, SA1  
 Source: CATT*

(Replaces S6-220792)

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

Attachments to this outgoing LS: S6-220585, S6-220579, S6-220683, S6-220688

**S6-220752 LS on PIN Application Server Discovery**

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

**Decision:** The document was **revised to S6-220852**.

**S6-220852 LS on PIN Application Server Discovery**

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

(Replaces S6-220752)

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

Attachments to this outgoing LS: S6-220851

**S6-220975 Network slice info delivery**

*Type: LS out For: Approval  
 to SA1 or SA5 or both  
 Source: Samsung*

**Discussion:**

The meeting discussed how to handle a proposed LS on Network slice info delivery potentially to be sent either to SA1 or SA5 or possibly both,

Due to time constraint it was agreed to reserve the present document number for such LS, which however would be discussed during a dedicated conference call and approved via email.

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

## 5 Items for early consideration

### 5.1 Working Agreements / Technical Votes

### 5.2 SA6 Vice-Chair Election

### 5.3 Others

**S6-220679 2024 Meeting Calendar**

*Type: discussion For: Endorsement  
 Source: SA6 Chair*

**Abstract:**

Proposal for SA6 2024 Meeting Calendar

**Discussion:**

The chair presented document S6-220679 with a proposed meeting calendar during CC#5.

Huawei suggested changing SA6#58-adhoc to an ordinary meeting, and to possibly change to adhoc later.

The chair noted the meeting could not be changed to an ordinary, because of the limit of 6 ordinary meetings per year.

Samsung suggested moving SA6#61 forward by one meeting. Based on views from the floor it was agreed to leave as proposed.

The meeting provisionally endorsed the presented planning.

It was noted that the plan may require adaption in accordance with changing work situation

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

**S6-220680 Chair or Qualcomm Input**

*Type: discussion For: Information  
 Source: Qualcomm Incorporated*

**Discussion:**

Presented during the opening CC.

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

## 6 Rel-16 Work Items

## 7 Rel-17 Work Items

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

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

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

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

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

### 7.6 EDGEAPP - Architecture for enabling Edge Applications

**S6-220504 Removal of the Editor's Note on dynamic EAS instantiation information**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0089 Cat: F (Rel-17)  
  
 Source: InterDigital*

**Decision:** The document was **revised to S6-220835**.

**S6-220835 Removal of the Editor's Note on dynamic EAS instantiation information**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0089 rev 1 Cat: F (Rel-17)  
  
 Source: InterDigital, Samsung*

(Replaces S6-220504)

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

**S6-220530 ECS provider ID correction**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0076 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-220075)

**Abstract:**

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

**Discussion:**

Nokia presented the S6-220530 during the CC#1.

Qualcomm did not see the need to define the ID as mandatory.

Nokia still thought that that the ID should be mandatory in the case corresponding to the fourth bullet and suggested to specify that e.g. with a note in the table.

Qualcomm was still not convinced of the proposal.

Ericsson agreed with the view of Qualcomm.

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

**S6-220626 Fix S-EAS decided ACR**

*Type: CR For: Approval  
 23.558 v17.3.0 CR-0090 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Summary of Change: Add missing description for EES offered UE location change service to EAS.

Update figure 8.8.2.4-1 for step 3.

**Decision:** The document was **revised to S6-220867**.

**S6-220867 Fix S-EAS decided ACR**

*Type: CR For: Approval  
 23.558 v17.3.0 CR-0090 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S6-220626)

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

**S6-220627 Solve EN in UE ID API**

*Type: CR For: Approval  
 23.558 v17.3.0 CR-0091 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Summary of Change: Describe that EES uses 3GPP CN capability to retrieve UE ID which is specific to the EAS. And add EAS ID and ASP ID to enable the AF specific information sent from the EAS.

Remove

**Discussion:**

Ericsson presented the S6-220627 during the CC#1.

Huawei made the remark that this proposal would need to be aligned with SA2.

Qualcomm noted they had provided comments offline, but suggested e.g. some terminology changes.

**Decision:** The document was **revised to S6-220866**.

**S6-220866 Solve EN in UE ID API**

*Type: CR For: Approval  
 23.558 v17.3.0 CR-0091 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S6-220627)

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

**S6-220666 Implicit registration handling in service continuity**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0083 rev 2 Cat: F (Rel-17)  
  
 Source: Samsung*

(Replaces S6-220366)

**Decision:** The document was **revised to S6-220876**.

**S6-220876 Implicit registration handling in service continuity**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0083 rev 3 Cat: F (Rel-17)  
  
 Source: Samsung*

(Replaces S6-220666)

**Discussion:**

Agreed as per draft S6-220876 rev1.

**Decision:** The document was **revised to S6-220933**.

**S6-220933 Implicit registration handling in service continuity**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0083 rev 4 Cat: F (Rel-17)  
  
 Source: Samsung*

(Replaces S6-220876)

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

**S6-220677 Update to EEC registration update procedure**

*Type: CR For: (not specified)  
 23.558 v17.3.0 CR-0092 Cat: F (Rel-17)  
  
 Source: Samsung Electronics Nordic AB*

**Discussion:**

Samsung presented the S6-220677 draft rev 5 during the CC#9.

**Decision:** The document was **revised to S6-220878**.

**S6-220878 Update to EEC registration update procedure**

*Type: CR For: -  
 23.558 v17.3.0 CR-0092 rev 1 Cat: F (Rel-17)  
  
 Source: Samsung Electronics Nordic AB*

(Replaces S6-220677)

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

**S6-220698 ECS configuration information**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0093 Cat: F (Rel-17)  
  
 Source: Qualcomm*

**Discussion:**

The contribution S6-220698 was discussed during the CC#1 as well as CC#9.

There seemed to be consensus over deleting the List of supported ECSPs IE.

However there was no agreement on the proposal making the ECS provider identifier mandatory.

Motorola Solutions suggested leaving things as they are and look for a modification in Rel-18.

There seemed to be no disagreement inclduing the Spacial Validity Condition IE.

**Decision:** The document was **revised to S6-220857**.

**S6-220857 ECS configuration information**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0093 rev 1 Cat: F (Rel-17)  
  
 Source: Qualcomm, Nokia, Nokia Shanghai Bell*

(Replaces S6-220698)

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

**S6-220702 Corrections to EEC context and ACR**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0094 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Corrections to EEC context and ACR

**Decision:** The document was **revised to S6-220905**.

**S6-220905 Corrections to EEC context and ACR**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0094 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220702)

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

**S6-220703 Corrections for selected T-EAS declaration**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0095 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Corrections for selected T-EAS declaration

**Decision:** The document was **revised to S6-220906**.

**S6-220906 Corrections for selected T-EAS declaration**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0095 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220703)

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

**S6-220704 Corrections for incomplete functions of ECS and EDGE-6**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0096 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Corrections for incomplete functions of ECS and EDGE-6

**Decision:** The document was **revised to S6-220907**.

**S6-220907 Corrections for incomplete functions of ECS and EDGE-6**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0096 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220704)

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

**S6-220705 Corrections to ACT status subscription and notification**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0097 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Corrections to ACT status subscription and notification

**Decision:** The document was **revised to S6-220908**.

**S6-220908 Corrections to ACT status subscription and notification**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0097 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220705)

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

**S6-220748 Issues on usage of ACR with LADNs**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0098 Cat: F (Rel-17)  
  
 Source: InterDigital*

**Discussion:**

InterDigital presented the S6-220748 during the CC#1.

Huawei was hesitant with the need for the proposed note as it stands.

Qualcomm also suggested improving the proposed note because they did not consider the note giving much added value at the moment.

**Decision:** The document was **revised to S6-220847**.

**S6-220847 Issues on usage of ACR with LADNs**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-0098 rev 1 Cat: F (Rel-17)  
  
 Source: InterDigital*

(Replaces S6-220748)

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

**S6-220880 Corrections to EEC context and ACR**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-99 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

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

**S6-220881 Corrections for selected T-EAS declaration**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-100 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

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

**S6-220882 Corrections for incomplete functions of ECS and EDGE-6**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-101 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

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

**S6-220883 Corrections to ACT status subscription and notification**

*Type: CR For: Agreement  
 23.558 v17.3.0 CR-102 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

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

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

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

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

**S6-220618 Removal of Gate Control EN**

*Type: CR For: Approval  
 23.434 v17.5.0 CR-0095 Cat: F (Rel-17)  
  
 Source: Ericsson España S.A.*

**Decision:** The document was **revised to S6-220859**.

**S6-220859 Removal of Gate Control EN**

*Type: CR For: Approval  
 23.434 v17.5.0 CR-0095 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson España S.A.*

(Replaces S6-220618)

**Discussion:**

Agreed as per draft S6-220859 rev3 plus

- reverting the change “Container” to “Information”.

**Decision:** The document was **revised to S6-220937**.

**S6-220937 Minor corrections on networkesource management for 5G TSC**

*Type: CR For: Approval  
 23.434 v17.5.0 CR-0095 rev 2 Cat: F (Rel-17)  
  
 Source: Ericsson España S.A.*

(Replaces S6-220859)

**Discussion:**

Agreed as per draft S6-220859 rev2.

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

**S6-220938 Minor corrections on network resource management for 5G TSC**

*Type: CR For: Approval  
 23.434 v18.0.0 CR-0101 Cat: A (Rel-18)  
  
 Source: Ericsson España S.A.*

**Discussion:**

Rel-18 mirror CR of S6-220937.

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

**S6-220749 Minor essential corrections to TS 23.434**

*Type: CR For: Agreement  
 23.434 v17.5.0 CR-0099 Cat: F (Rel-17)  
  
 Source: Samsung*

**Discussion:**

Agreed as per draft S6-220749 rev1.

**Decision:** The document was **revised to S6-220935**.

**S6-220935 Minor essential corrections to TS 23.434**

*Type: CR For: Agreement  
 23.434 v17.5.0 CR-0099 rev 1 Cat: F (Rel-17)  
  
 Source: Samsung*

(Replaces S6-220749)

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

**S6-220662 Minor essential corrections to TS 23.434**

*Type: CR For: (not specified)  
 23.434 v18.0.0 CR-0097 Cat: F (Rel-18)  
  
 Source: Samsung*

**Decision:** The document was **revised to S6-220809**.

**S6-220809 Minor essential corrections to TS 23.434**

*Type: CR For: -  
 23.434 v18.0.0 CR-0097 rev 1 Cat: A (Rel-18)  
  
 Source: Samsung*

(Replaces S6-220662)

**Discussion:**

Agreed as per draft S6-220809 rev1.

**Decision:** The document was **revised to S6-220934**.

**S6-220934 Minor essential corrections to TS 23.434**

*Type: CR For: -  
 23.434 v18.0.0 CR-0097 rev 2 Cat: A (Rel-18)  
  
 Source: Samsung*

(Replaces S6-220809)

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

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

**S6-220648 update of abbreviations**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0039 Cat: D (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-220810**.

**S6-220810 update of abbreviations**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0039 rev 1 Cat: D (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-220648)

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

## 8 Rel-18 Work-Items

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

**S6-220611 Clarifications related to multi carrier support for MBS session creation and announcement**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0048 Cat: C (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220759**.

**S6-220759 Clarifications related to multi carrier support for MBS session creation and announcement**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0048 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-220611)

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

**S6-220612 Clarifications related to multi carrier support for MBS session update**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0049 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220760**.

**S6-220760 Clarifications related to multi carrier support for MBS session update**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0049 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson,Huawei*

(Replaces S6-220612)

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

**S6-220690 Corrections in MBS UE session join notification**

*Type: CR For: (not specified)  
 23.289 v18.1.0 CR-0054 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India/Kiran*

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

**S6-220691 Small editorial corrections**

*Type: CR For: (not specified)  
 23.289 v18.1.0 CR-0055 Cat: D (Rel-18)  
  
 Source: Samsung R&D Institute India/Kiran*

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

**S6-220692 Update to 5G MBS service announcement**

*Type: CR For: (not specified)  
 23.289 v18.1.0 CR-0056 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India/Kiran*

**Decision:** The document was **revised to S6-220766**.

**S6-220766 Update to 5G MBS service announcement**

*Type: CR For: -  
 23.289 v18.1.0 CR-0056 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India/Kiran*

(Replaces S6-220692)

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

**S6-220693 Update to broadcast MBS sessions monitoring and the reception quality of the MBS session**

*Type: CR For: (not specified)  
 23.289 v18.1.0 CR-0057 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India/Kiran*

**Decision:** The document was **revised to S6-220767**.

**S6-220767 Update to broadcast MBS sessions monitoring and the reception quality of the MBS session**

*Type: CR For: -  
 23.289 v18.1.0 CR-0057 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India/Kiran*

(Replaces S6-220693)

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

**S6-220709 Resolve the EN about architecture and reference alignment in clause 4.7.1**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0058 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Resolve the EN about architecture and reference alignment in clause 4.7.1

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

**S6-220710 Resolve the EN in clause 5.2**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0059 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for resolving the EN in clause 5.2

**Decision:** The document was **revised to S6-220910**.

**S6-220910 Resolve the EN in clause 5.2**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0059 rev 1 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220710)

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

**S6-220711 Resolve the EN on SA4 aspect**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0060 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for resolving the EN on SA4 aspect

**Decision:** The document was **revised to S6-220911**.

**S6-220911 Resolve the EN on SA4 aspect**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0060 rev 1 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220711)

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

**S6-220764 Corrections in MBS UE session join notification**

*Type: CR For: -  
 23.289 v18.1.0 CR-0054 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India/Kiran*

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

**S6-220765 Small editorial corrections**

*Type: CR For: -  
 23.289 v18.1.0 CR-0055 rev 1 Cat: D (Rel-18)  
  
 Source: Samsung R&D Institute India/Kiran*

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

**S6-220887 Resolve the EN in clause 5.2**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-61 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

**S6-220888 Resolve the EN on SA4 aspect**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0062 Cat: C (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

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

**S6-220613 Update to service continuity procedure from an MBS session to 5G ProSe UE-to-network relay**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0050 Cat: C (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220761**.

**S6-220761 Update to service continuity procedure from an MBS session to 5G ProSe UE-to-network relay**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0050 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-220613)

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

**S6-220614 Update to service continuity procedure from 5G ProSe UE-to-network relay to an MBS session**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0051 Cat: C (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220762**.

**S6-220762 Update to service continuity procedure from 5G ProSe UE-to-network relay to an MBS session**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0051 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson, Samsung*

(Replaces S6-220614)

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

**S6-220615 Requirements related to 5G ProSe Layer-3 relaying via N3IWF**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0052 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220763**.

**S6-220763 Requirements related to 5G ProSe Layer-3 relaying via N3IWF**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0052 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S6-220615)

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

**S6-220779 Discussion on bulk registration over MSGin5G-6**

*Type: discussion For: discussion  
 Source: China Mobile Com. Corporation*

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

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

**S6-220499 MC gateway UE – MC client disassociation procedure**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0311 Cat: B (Rel-18)  
  
 Source: Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S6-220797**.

**S6-220797 MC gateway UE – MC client disassociation procedure**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0311 rev 1 Cat: B (Rel-18)  
  
 Source: Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell*

(Replaces S6-220499)

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

**S6-220500 MC gateway UE – MC client configuration necessary for MC server association and disassociation**

*Type: CR For: Agreement  
 23.379 v18.1.0 CR-0306 Cat: B (Rel-18)  
  
 Source: Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell*

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

**S6-220501 MC gateway UE – MC client configuration necessary for MC server association and disassociation**

*Type: CR For: Agreement  
 23.281 v18.0.0 CR-0161 Cat: B (Rel-18)  
  
 Source: Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell*

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

**S6-220502 MC gateway UE – MC client configuration necessary for MC server association and disassociation**

*Type: CR For: Agreement  
 23.282 v18.0.0 CR-0293 Cat: B (Rel-18)  
  
 Source: Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell*

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

**S6-220523 Clean-up of clause 11 specifying MC gateway UE support**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0312 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

The CR contains several editorial corrections to clause 11.

**Decision:** The document was **revised to S6-220753**.

**S6-220753 Clean-up of clause 11 specifying MC gateway UE support**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0312 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-220523)

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

**S6-220524 Clarification regarding the protocol used on new reference points**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0313 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

It is clarified that HTTP is used on both reference points GW-local and GW-Core.

**Decision:** The document was **revised to S6-220754**.

**S6-220754 Clarification regarding the protocol used on new reference points**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0313 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

(Replaces S6-220524)

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

**S6-220525 Clarify the association between certain entities**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0314 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

A note is added to clarify that certain MC gateway UE sever functions become only available after successful connection authorization.

**Decision:** The document was **revised to S6-220755**.

**S6-220755 Clarify the association between certain entities**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0314 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

(Replaces S6-220525)

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

**S6-220610 Clarification of MC gateway UE selection**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0318 Cat: B (Rel-18)  
  
 Source: BDBOS, Nokia, Nokia Shanghai Bell, UIC*

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

**S6-220701 Added MC GW UnMapGroupToBearer request and response support**

*Type: CR For: (not specified)  
 23.280 v18.1.0 CR-0320 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India/Kiran*

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

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

**S6-220665 Corrections to the use of MC service system**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0319 Cat: F (Rel-18)  
  
 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Corrections to the use of MC service system

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

**S6-220673 Corrections to the use of MC service system**

*Type: CR For: Agreement  
 23.282 v18.0.0 CR-0294 Cat: F (Rel-18)  
  
 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Corrections to the use of MC service system

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

**S6-220674 Corrections to the use of MC service system**

*Type: CR For: Agreement  
 23.283 v17.3.0 CR-0061 Cat: F (Rel-18)  
  
 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Corrections to the use of MC service system

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

**S6-220675 Corrections to the use of MC service system**

*Type: CR For: Agreement  
 23.289 v18.1.0 CR-0053 Cat: F (Rel-18)  
  
 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Corrections to the use of MC service system

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

**S6-220700 Update to remotely initiated call request procedure to support pre-emptive or high priority and commencement mode**

*Type: CR For: (not specified)  
 23.379 v18.1.0 CR-0307 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India/Kiran*

**Decision:** The document was **revised to S6-220768**.

**S6-220768 Update to remotely initiated call request procedure to support pre-emptive or high priority and commencement mode**

*Type: CR For: -  
 23.379 v18.1.0 CR-0307 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India/Kiran*

(Replaces S6-220700)

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

### 8.5 IRail - Interconnection and Migration Aspects for Railways (Pending SA approval)

**S6-220526 Migration during an ongoing group communication**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0315 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

A new generic procedure is added which allows group communications to be continued after migration.

**Decision:** The document was **revised to S6-220756**.

**S6-220756 Migration during an ongoing group communication**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0315 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

(Replaces S6-220526)

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

**S6-220527 Migration during an ongoing private communication**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0316 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

A new generic procedure is added which allows private communications to be continued after migration.

**Decision:** The document was **revised to S6-220757**.

**S6-220757 Migration during an ongoing private communication**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0316 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

(Replaces S6-220527)

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

**S6-220528 Private call using functional alias towards a partner MC system**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0317 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

A new generic procedure is added which allows using a functional alias as target address, even if the functional alias is defined in the partner MC system.

**Decision:** The document was **revised to S6-220758**.

**S6-220758 Private call using functional alias towards a partner MC system**

*Type: CR For: Agreement  
 23.280 v18.1.0 CR-0317 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, UIC*

(Replaces S6-220528)

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

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

**S6-220543 Update FFA-2 based on notification**

*Type: pCR For: Agreement  
 23.545 v0.3.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220926**.

**S6-220926 Update FFA-2 based on notification**

*Type: pCR For: Agreement  
 23.545 v0.3.0  
 Source: Convida Wireless LLC*

(Replaces S6-220543)

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

**S6-220544 Update FFA-2 based on service requirements**

*Type: pCR For: Agreement  
 23.545 v0.3.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220927**.

**S6-220927 Update FFA-2 based on service requirements**

*Type: pCR For: Agreement  
 23.545 v0.3.0  
 Source: Convida Wireless LLC*

(Replaces S6-220544)

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

**S6-220562 Identities**

*Type: pCR For: Approval  
 23.545 v0.3.0  
 Source: ZTE Corporation*

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

**S6-220563 Usage of SEAL Group management services**

*Type: pCR For: Approval  
 23.545 v0.3.0  
 Source: ZTE Corporation*

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

**S6-220564 Usage of SEAL Configuration management services**

*Type: pCR For: Approval  
 23.545 v0.3.0  
 Source: ZTE Corporation*

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

**S6-220707 Usage of SEAL in FFAPP**

*Type: pCR For: Approval  
 23.545 v0.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Usage of SEAL in FFAPP

**Decision:** The document was **revised to S6-220885**.

**S6-220885 Usage of SEAL in FFAPP**

*Type: pCR For: Approval  
 23.545 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220707)

**Discussion:**

Approved as per draft S6-220885 rev2.

**Decision:** The document was **revised to S6-220936**.

**S6-220936 Usage of SEAL in FFAPP**

*Type: pCR For: Approval  
 23.545 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220885)

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

**S6-220708 Deployment of FFAPP with Edge Enabler Layer**

*Type: pCR For: Approval  
 23.545 v0.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Deployment of FFAPP with Edge Enabler Layer

**Decision:** The document was **revised to S6-220886**.

**S6-220886 Deployment of FFAPP with Edge Enabler Layer**

*Type: pCR For: Approval  
 23.545 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220708)

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

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

**S6-220653 SEAL Notification Management service – Functional Model**

*Type: CR For: (not specified)  
 23.434 v18.0.0 CR-0096 Cat: B (Rel-18)  
  
 Source: Samsung, AT&T*

**Discussion:**

Samsung presented the draft S6-220653 rev 1 during the CC#7.

Ericsson was of the view it was too early to progress on the proposed solution and that EDGEAPP should be concluded prior to moving forward on this.

AT&T remarked that this proposal had nothing to do with EDGEAPP.

Huawei was of the view it was premature to define the functional model.

**Decision:** The document was **revised to S6-220808**.

**S6-220808 SEAL Notification Management service – Functional Model**

*Type: CR For: -  
 23.434 v18.0.0 CR-0096 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung, AT&T*

(Replaces S6-220653)

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

**S6-220706 Sharing location information across VAL servers**

*Type: CR For: Agreement  
 23.434 v18.0.0 CR-0098 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Sharing location information across VAL servers

**Decision:** The document was **revised to S6-220909**.

**S6-220909 Sharing location information across VAL servers**

*Type: CR For: Agreement  
 23.434 v18.0.0 CR-0098 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220706)

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

**S6-220884 Sharing location information across VAL servers**

*Type: CR For: Agreement  
 23.434 v18.0.0 CR-100 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

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

### 8.8 5GMARCH2 - Support of the 5GMSG Service phase 2 (Pending SA approval)

**S6-220604 Application architecture enhancement of broadcast aspect**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0030 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-220825**.

**S6-220825 Application architecture enhancement of broadcast aspect**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0030 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220604)

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

**S6-220605 Broadcast Message delivery procedure**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0031 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-220826**.

**S6-220826 Broadcast Message delivery procedure**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0031 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220605)

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

**S6-220606 Charging architectural requirements**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0032 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-220827**.

**S6-220827 Charging architectural requirements**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0032 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220606)

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

**S6-220607 Delete the example of the originator address in Table 8.11.5-1**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0033 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-220828**.

**S6-220828 Delete the example of the originator address in Table 8.11.5-1**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0033 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220607)

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

**S6-220608 Editoral corrections**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0034 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-220829**.

**S6-220829 Editoral corrections**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0034 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S6-220608)

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

**S6-220636 bulk registration for constrained device over MSGin5G-6 reference point**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0035 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-220781**.

**S6-220781 bulk registration for constrained device over MSGin5G-6 reference point**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0035 rev 1 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-220636)

**Discussion:**

Agreed as per draft S6-220781 rev4.

**Decision:** The document was **revised to S6-220939**.

**S6-220939 bulk registration for constrained device over MSGin5G-6 reference point**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0035 rev 2 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-220781)

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

**S6-220637 Values and usage of Priority type**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0036 Cat: C (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-220796**.

**S6-220796 Values and usage of Priority type**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0036 rev 1 Cat: C (Rel-18)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-220637)

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

**S6-220639 message aggregation and segment**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0037 Cat: C (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-220799**.

**S6-220799 message aggregation and segment**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0037 rev 1 Cat: C (Rel-18)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-220639)

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

**S6-220643 update of MSGin5G group management**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0038 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-220800**.

**S6-220800 update of MSGin5G group management**

*Type: CR For: Agreement  
 23.554 v17.2.0 CR-0038 rev 1 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

(Replaces S6-220643)

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

## 9 Rel-18 Study Items

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

**S6-220676 Corrections to the use of MC service system**

*Type: pCR For: Approval  
 23.783 v1.9.0  
 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Corrections to the use of MC service system

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

**S6-220678 MCPTT-5 for 5GS**

*Type: pCR For: (not specified)  
 23.783 v1.9.0  
 Source: AT&T GNS Belgium SPRL*

**Abstract:**

MCPTT-5 for 5GS

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

### 9.2 FS\_MCShAC - Study on sharing of administrative configuration between interconnected MC service systems

**S6-220531 pCR on introducing KI on exchange of administrative identification data**

*Type: pCR For: (not specified)  
 23.700-38 v0.1.0  
 Source: BDBOS*

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

**S6-220532 pCR on introducing KI on exchange of administrative change user configuration data**

*Type: pCR For: (not specified)  
 23.700-38 v0.1.0  
 Source: BDBOS*

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

**S6-220533 Key issue on exchange of administrative group configuration data between interconnected MC systems**

*Type: pCR For: Approval  
 23.700-38 v0.1.0  
 Source: BDBOS*

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

**S6-220534 Key issue on exchange of administrative service configuration data between interconnected MC systems**

*Type: pCR For: Approval  
 23.700-38 v0.1.0  
 Source: BDBOS*

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

**S6-220537 pCR on use cases and relationship between MC systems**

*Type: pCR For: Approval  
 23.700-38 v0.1.0  
 Source: BDBOS*

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

**S6-220538 Introducing KI on functional architecture**

*Type: pCR For: Approval  
 23.700-38 v0.1.0  
 Source: BDBOS*

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

**S6-220539 Introducing KI on user authorization**

*Type: pCR For: Approval  
 23.700-38 v0.1.0  
 Source: BDBOS*

**Discussion:**

Motorola Solutions requested to postpone the contribution.

BDBOS requested inclusions of following remark in the minutes:  
"BDBOS disagree with Motorola Solutions statment/reason for postponing this contribution and asked to add the following to the minutes:

The received comments and proposals over SA6 email reflector were considered by BDBOS, and BDBOS approached the sender offline (on 08th April 2022) to see whether a consensus could be reached. No response was received before the request to postpone the pCR. Request to postpone was received 30 min before closing the final review period, giving no chance for discussion or reaching an agreement."

Motorola Solutions requested inclusions of following remark in the minutes:  
"Motorola Solutions made a few comments regarding how this key issue should take into account what is already specified with regards to authentication between two MC systems. No revisions have been made available during the course of the week, and no revision was attempted for the final review (with the original document left as is). We believe further offline discussion is needed between meetings. Not taking into account the current specifications when proposing this KI is misdirected, and seems to be trying to solve the wrong problem."

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

**S6-220619 pCR on introduction of general architecture requirements**

*Type: pCR For: Approval  
 23.700-38 v0.1.0  
 Source: BDBOS*

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

**S6-220620 pCR on introduction of user and group authorization requirements**

*Type: pCR For: Approval  
 23.700-38 v0.1.0  
 Source: BDBOS*

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

### 9.3 FS\_MCAHGC - Study on Mission Critical Ad hoc Group Communications Support for Mission Critical Services

**S6-220522 Key issue: Adhoc group emergency alert**

*Type: pCR For: Approval  
 23.700-76 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell, UIC, Kontron Transportation France*

**Abstract:**

This pCR extends the study on adhoc group communication by adding a new key issue questioning how an adhoc group emergency alert maybe be supported.

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

**S6-220535 Update for key Issue 1 Ad hoc group communication**

*Type: pCR For: Approval  
 23.700-76 v0.1.0  
 Source: Kontron Transportation France, UIC, Nokia, Nokia Shanghai Bell, Samsung*

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

**S6-220777 Update for key Issue 1 Ad hoc group communication**

*Type: pCR For: Approval  
 23.700-76 v0.1.0  
 Source: Kontron Transportation France, UIC, Nokia, Nokia Shanghai Bell, Samsung*

(Replaces S6-220535)

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

**S6-220536 Update for Key-Issue 4 Modifying participants list of on-going ad hoc group communication**

*Type: pCR For: Approval  
 23.700-76 v0.1.0  
 Source: Kontron Transportation France, UIC, Nokia, Nokia Shanghai Bell, Samsung*

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

**S6-220641 Solution proposal for the configuration parameters required for Ad hoc group communication**

*Type: pCR For: (not specified)  
 23.700-76 v0.1.0  
 Source: Samsung*

**Decision:** The document was **revised to S6-220802**.

**S6-220802 Solution proposal for the configuration parameters required for Ad hoc group communication**

*Type: pCR For: -  
 23.700-76 v0.1.0  
 Source: Samsung*

(Replaces S6-220641)

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

**S6-220647 Solution proposal for MC service server determining the participants list for ad hoc group communication**

*Type: pCR For: (not specified)  
 23.700-76 v0.1.0  
 Source: Samsung, Kontron Transportation France, Nokia, Nokia Shanghai Bell, FirstNet*

**Decision:** The document was **revised to S6-220807**.

**S6-220807 Solution proposal for MC service server determining the participants list for ad hoc group communication**

*Type: pCR For: -  
 23.700-76 v0.1.0  
 Source: Samsung, Kontron Transportation France, Nokia, Nokia Shanghai Bell, FirstNet*

(Replaces S6-220647)

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

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

**S6-220519 Pseudo-CR on Solution evaluation for solution 8: Discovery of management service exposure**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

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

**S6-220520 Pseudo-CR on Solution evaluation for solution 6: VAL server authorization and authentication via slice enabler layer**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

**Decision:** The document was **revised to S6-220783**.

**S6-220783 Pseudo-CR on Solution evaluation for solution 6: VAL server authorization and authentication via slice enabler layer**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

(Replaces S6-220520)

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

**S6-220778 Pseudo-CR on Solution evaluation for solution 6: VAL server authorization and authentication via slice enabler layer**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

(Replaces S6-220520)

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

**S6-220521 Pseudo-CR on Solution evaluation for solution 3: Slice API configuration and translation**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

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

**S6-220555 KI1 Update UE triggered NS adaptation**

*Type: pCR For: Agreement  
 23.700-99 v1.0.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220924**.

**S6-220924 KI1 Update UE triggered NS adaptation**

*Type: pCR For: Agreement  
 23.700-99 v1.0.0  
 Source: Convida Wireless LLC*

(Replaces S6-220555)

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

**S6-220556 UE triggered NS adaptation solution**

*Type: pCR For: Agreement  
 23.700-99 v1.0.0  
 Source: Convida Wireless LLC*

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

**S6-220566 FS\_NSCALE\_Evaluation of Solution 10**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Hangzhou) Inf.*

**Decision:** The document was **revised to S6-220811**.

**S6-220811 FS\_NSCALE\_Evaluation of Solution 10**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Hangzhou) Inf.*

(Replaces S6-220566)

**Discussion:**

Approved as per draft S6-220811 rev1.

**Decision:** The document was **revised to S6-220940**.

**S6-220940 FS\_NSCALE\_Evaluation of Solution 10**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Hangzhou) Inf.*

(Replaces S6-220811)

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

**S6-220578 FS\_NSCALE architectural requirements**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S6-220793**.

**S6-220793 FS\_NSCALE architectural requirements**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: AsiaInfo Technologies Inc*

(Replaces S6-220578)

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

**S6-220579 network slice optimization based on AF policy**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

**Decision:** The document was **revised to S6-220794**.

**S6-220794 network slice optimization based on AF policy**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220579)

**Discussion:**

No approval of draft S6-220794 rev1 either.

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

**S6-220580 Deployment models**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

**Decision:** The document was **revised to S6-220795**.

**S6-220795 Deployment models**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220580)

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

**S6-220581 application architecture updata**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

**Decision:** The document was **revised to S6-220782**.

**S6-220782 application architecture updata**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220581)

**Discussion:**

Approved as per draft S6-220782 rev1.

**Decision:** The document was **revised to S6-220941**.

**S6-220941 application architecture updata**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220782)

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

**S6-220582 architecture requirement update**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

**Decision:** The document was **revised to S6-220784**.

**S6-220784 architecture requirement update**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220582)

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

**S6-220583 Identities and commonly used values**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

**Decision:** The document was **revised to S6-220785**.

**S6-220785 Identities and commonly used values**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220583)

**Discussion:**

Approved as per draft S6-220785 rev1.

**Decision:** The document was **revised to S6-220942**.

**S6-220942 Identities and commonly used values**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220785)

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

**S6-220584 overall evaluation**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

**Decision:** The document was **revised to S6-220786**.

**S6-220786 overall evaluation**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220584)

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

**S6-220585 Solution to KI #11 on application layer slice SLA alignment capability**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: AsiaInfo Technologies Inc,Huawei,CMCC*

**Decision:** The document was **revised to S6-220798**.

**S6-220798 Solution to KI #11 on application layer slice SLA alignment capability**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: AsiaInfo Technologies Inc,Huawei,CMCC*

(Replaces S6-220585)

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

**S6-220586 solution for KI 1**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

**Decision:** The document was **revised to S6-220787**.

**S6-220787 solution for KI 1**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220586)

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

**S6-220587 Interaction between the centralized NSCE server and edge NSCE server**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

**Decision:** The document was **revised to S6-220788**.

**S6-220788 Interaction between the centralized NSCE server and edge NSCE server**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220587)

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

**S6-220588 solution evaluation for solution 6**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

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

**S6-220789 solution evaluation for solution 6**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

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

**S6-220589 solution evaluation for solution 7**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

**Decision:** The document was **revised to S6-220790**.

**S6-220790 solution evaluation for solution 7**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220589)

**Discussion:**

Approved as per draft S6-220790 rev1.

**Decision:** The document was **revised to S6-220943**.

**S6-220943 solution evaluation for solution 7**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220790)

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

**S6-220590 Delete the EN in solution 8**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

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

**S6-220591 Delete the EN in solution 9**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

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

**S6-220592 Correction of figure title in solution 3**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

**Decision:** The document was **revised to S6-220791**.

**S6-220791 Correction of figure title in solution 3**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: China Mobile (Suzhou) Software*

(Replaces S6-220592)

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

**S6-220602 FS\_NSCALE\_evaluation of solution of communication service management exposure**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

**Decision:** The document was **revised to S6-220812**.

**S6-220812 FS\_NSCALE\_evaluation of solution of communication service management exposure**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

(Replaces S6-220602)

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

**S6-220603 FS\_NSCALE\_Update mapping of Solutions to Key Issues**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd.*

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

**S6-220616 FS\_NSCALE\_evalution of solution of dynamic slice alignment**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: HUAWEI TECHNOLOGIES Co. Ltd., AsiaInfo*

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

**S6-220617 FS\_NSCALE summary on Kis for NSCE**

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

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

**S6-220651 Evaluation of solution #3**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution provides the solution evaluation in solution #3.

**Decision:** The document was **revised to S6-220815**.

**S6-220815 Evaluation of solution #3**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-220651)

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

**S6-220652 Solution#8 update and evaluation**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution provides the evaluation and proposes updates to resolve the ENs of solution #8.

**Decision:** The document was **revised to S6-220816**.

**S6-220816 Solution#8 update and evaluation**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: Lenovo Future Communications*

(Replaces S6-220652)

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

**S6-220683 6.x NS Info delivery general**

*Type: pCR For: (not specified)  
 23.700-99 v0.5.0  
 Source: Samsung Electronics*

**Decision:** The document was **revised to S6-220836**.

**S6-220836 6.x NS Info delivery general**

*Type: pCR For: -  
 23.700-99 v0.5.0  
 Source: Samsung Electronics*

(Replaces S6-220683)

**Discussion:**

DT objected to the contribution.

Discussion followed on whether a CC should/could be held to discuss a possible LS to SA5 in relation to TDocs S6-220837 - S6-220840.

The meeting agreed holding an informal dedicated CC followed with a formal email approval.

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

**S6-220684 6.x.1.2 NS Info delivery**

*Type: pCR For: (not specified)  
 23.700-99 v0.5.0  
 Source: Samsung Electronics*

**Decision:** The document was **revised to S6-220837**.

**S6-220837 6.x.1.2 NS Info delivery**

*Type: pCR For: -  
 23.700-99 v0.5.0  
 Source: Samsung Electronics*

(Replaces S6-220684)

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

**S6-220685 6.x.1.3 NS Info subscription**

*Type: pCR For: (not specified)  
 23.700-99 v0.5.0  
 Source: Samsung Electronics*

**Decision:** The document was **revised to S6-220838**.

**S6-220838 6.x.1.3 NS Info subscription**

*Type: pCR For: -  
 23.700-99 v0.5.0  
 Source: Samsung Electronics*

(Replaces S6-220685)

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

**S6-220686 6.x.1.4 NS Info Notify**

*Type: pCR For: (not specified)  
 23.700-99 v0.5.0  
 Source: Samsung Electronics*

**Decision:** The document was **revised to S6-220839**.

**S6-220839 6.x.1.4 NS Info Notify**

*Type: pCR For: -  
 23.700-99 v0.5.0  
 Source: Samsung Electronics*

(Replaces S6-220686)

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

**S6-220687 6.x.1.5 NS Info delivery in Registration phase**

*Type: pCR For: (not specified)  
 23.700-99 v0.5.0  
 Source: Samsung Electronics*

**Decision:** The document was **revised to S6-220840**.

**S6-220840 6.x.1.5 NS Info delivery in Registration phase**

*Type: pCR For: -  
 23.700-99 v0.5.0  
 Source: Samsung Electronics*

(Replaces S6-220687)

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

**S6-220688 6.x NS Allocation by VAL server**

*Type: pCR For: (not specified)  
 23.700-99 v0.5.0  
 Source: Samsung Electronics*

**Decision:** The document was **revised to S6-220841**.

**S6-220841 6.x NS Allocation by VAL server**

*Type: pCR For: -  
 23.700-99 v0.5.0  
 Source: Samsung Electronics*

(Replaces S6-220688)

**Discussion:**

DT objected to the contribution as well as draft rev1.

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

**S6-220689 solution evaluation for solution 9**

*Type: pCR For: Approval  
 23.700-99 v1.0.0  
 Source: Samsung*

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

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

**S6-220551 UE API Invoker onboarding KI**

*Type: pCR For: Agreement  
 23.700-95 v1.1.0  
 Source: Convida Wireless LLC*

**Abstract:**

This pCR provides a new Key Issue for UE API Invoker onboarding for UE or AF-originated API invocations.

**Discussion:**

Convida Wireless presented the draft S6-220551 rev1 during the CC#2.

**Decision:** The document was **revised to S6-220920**.

**S6-220920 UE API Invoker onboarding KI**

*Type: pCR For: Agreement  
 23.700-95 v1.1.0  
 Source: Convida Wireless LLC*

(Replaces S6-220551)

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

**S6-220552 UE API Invoker onboarding solution**

*Type: pCR For: Agreement  
 23.700-95 v1.1.0  
 Source: Convida Wireless LLC*

**Abstract:**

This pCR provides solutions for the Key Issue for UE API Invoker onboarding for UE or AF-originated API invocations

**Discussion:**

Convida Wireless presented the S6-220552 during the CC#2.

Huawei noted they had a problem understanding the relation with the key issue.

**Decision:** The document was **revised to S6-220921**.

**S6-220921 UE API Invoker onboarding solution**

*Type: pCR For: Agreement  
 23.700-95 v1.1.0  
 Source: Convida Wireless LLC*

(Replaces S6-220552)

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

**S6-220553 RO registration via AF**

*Type: pCR For: Agreement  
 23.700-95 v1.1.0  
 Source: Convida Wireless LLC*

**Abstract:**

This pCR proposes a solution for Resouce Owner registration via AF.

**Decision:** The document was **revised to S6-220922**.

**S6-220922 RO registration via AF**

*Type: pCR For: Agreement  
 23.700-95 v1.1.0  
 Source: Convida Wireless LLC*

(Replaces S6-220553)

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

**S6-220554 Enhanced API Invocation using RO consent**

*Type: pCR For: Agreement  
 23.700-95 v1.1.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220923**.

**S6-220923 Enhanced API Invocation using RO consent**

*Type: pCR For: Agreement  
 23.700-95 v1.1.0  
 Source: Convida Wireless LLC*

(Replaces S6-220554)

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

**S6-220593 Clarification on general description for Solution #3**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to clarify the general description for Solution #3.

**Decision:** The document was **revised to S6-220771**.

**S6-220771 Clarification on general description for Solution #3**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

(Replaces S6-220593)

**Decision:** The document was **revised to S6-220780**.

**S6-220780 Clarification on general description for Solution #3**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

(Replaces S6-220771)

**Discussion:**

Approved as per draft S6-220780 rev1.

**Decision:** The document was **revised to S6-220947**.

**S6-220947 Clarification on general description for Solution #3**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

(Replaces S6-220780)

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

**S6-220594 Functional model description to support 3rd party API providers with SNA**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a functional model to support 3rd party API providers with SNA enhancements.

**Decision:** The document was **revised to S6-220772**.

**S6-220772 Functional model description to support 3rd party API providers with SNA**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

(Replaces S6-220594)

**Decision:** The document was **revised to S6-220945**.

**S6-220945 Functional model description to support 3rd party API providers with SNA**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

(Replaces S6-220772)

**Discussion:**

Approved as per draft S6-220772 rev4 plus deleting clause 6.2.1.2.2.

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

**S6-220595 Obtaining resource owner consent in a cascade API invocation**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a new solution to obtain resource owner consent in a cascade API invocation.

**Discussion:**

NTT Docomo presented the S6-220595 during the CC#2.

Huawei made the remark that a KI description to understand the problem to be solved would be required.

Qualcomm noted they in prinicple agreed to the use case.

**Decision:** The document was **revised to S6-220773**.

**S6-220773 Obtaining resource owner consent in a cascade API invocation**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

(Replaces S6-220595)

**Discussion:**

Approved as per draft S6-220773 rev2.

**Decision:** The document was **revised to S6-220944**.

**S6-220944 Obtaining resource owner consent in a cascade API invocation**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

(Replaces S6-220773)

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

**S6-220596 Key Issue for the resource owner authentication**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a new key issue for the resource owner authentication.

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

**S6-220597 3GPP authentication for the resource owner**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a new solution to authenticate the resource owner.

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

**S6-220598 Solution #3 evaluation**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes an evaluation for Solution #3

**Decision:** The document was **revised to S6-220774**.

**S6-220774 Solution #3 evaluation**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

(Replaces S6-220598)

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

**S6-220599 Solution #4 evaluation**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes an evaluation for Solution #4.

**Decision:** The document was **revised to S6-220775**.

**S6-220775 Solution #4 evaluation**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

(Replaces S6-220599)

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

**S6-220600 Overall evaluation**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes an overall evaluation.

**Discussion:**

NTT Docomo presented the S6-220600 during the CC#2.

Convida suggested breaking down the proposal.

Huawei pointed out certain duplication in the proposal suggested concentrating on the structure to start with.

**Decision:** The document was **revised to S6-220776**.

**S6-220776 Overall evaluation**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: NTT DOCOMO*

(Replaces S6-220600)

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

**S6-220630 Add CAPIF-11**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220862**.

**S6-220862 Change ROAF to AF**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: Ericsson*

(Replaces S6-220630)

**Discussion:**

Approved as per draft S6-220862 rev1.

The meeting agreed that the rapporteur can apply the corresponding terminology changes across the whole TR.

**Decision:** The document was **revised to S6-220946**.

**S6-220946 Change ROAF to AF**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: Ericsson*

(Replaces S6-220862)

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

**S6-220732 Resolving location of ROAF in CAPIF**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Resolving location of ROAF in CAPIF

**Decision:** The document was **revised to S6-220903**.

**S6-220903 Resolving location of ROAF in CAPIF**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220732)

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

**S6-220741 Pseudo-CR on Update to Solution #6**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: Samsung*

**Decision:** The document was **revised to S6-220873**.

**S6-220873 Pseudo-CR on Update to Solution #6**

*Type: pCR For: Approval  
 23.700-95 v1.1.0  
 Source: Samsung*

(Replaces S6-220741)

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

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

**S6-220558 UE activity pattern and monitoring solution**

*Type: pCR For: Agreement  
 23.700-97 v0.5.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220928**.

**S6-220928 UE activity pattern and monitoring solution**

*Type: pCR For: Agreement  
 23.700-97 v0.5.0  
 Source: Convida Wireless LLC*

(Replaces S6-220558)

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

**S6-220559 BDT configuration solution**

*Type: pCR For: Agreement  
 23.700-97 v0.5.0  
 Source: Convida Wireless LLC*

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

**S6-220560 NIDD configuration solution**

*Type: pCR For: Agreement  
 23.700-97 v0.5.0  
 Source: Convida Wireless LLC*

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

**S6-220633 Application Server monitoring via CAPIF**

*Type: pCR For: Approval  
 23.700-97 v0.5.0  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220863**.

**S6-220863 Application Server monitoring via CAPIF**

*Type: pCR For: Approval  
 23.700-97 v0.5.0  
 Source: Ericsson*

(Replaces S6-220633)

**Discussion:**

Approved as per draft S6-220863 rev2.

**Decision:** The document was **revised to S6-220948**.

**S6-220948 Application Server monitoring via CAPIF**

*Type: pCR For: Approval  
 23.700-97 v0.5.0  
 Source: Ericsson*

(Replaces S6-220863)

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

**S6-220742 update to solution 1**

*Type: pCR For: Approval  
 23.700-97 v0.5.0  
 Source: Samsung*

**Decision:** The document was **revised to S6-220879**.

**S6-220879 update to solution 1**

*Type: pCR For: Approval  
 23.700-97 v0.5.0  
 Source: Samsung*

(Replaces S6-220742)

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

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

**S6-220667 Discussion on fused location service architecture**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

**Discussion:**

CATT presented the S6-220667 during the CC#6.

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

**S6-220668 Pseudo-CR on solution#1 update**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

**Decision:** The document was **revised to S6-220842**.

**S6-220842 Pseudo-CR on solution#1 update**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

(Replaces S6-220668)

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

**S6-220669 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**.

**S6-220843 Pseudo-CR on solution for supporting geo-fencing applications**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

(Replaces S6-220669)

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

**S6-220670 Pseudo-CR on update on solution #2**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

**Decision:** The document was **revised to S6-220844**.

**S6-220844 Pseudo-CR on update on solution #2**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

(Replaces S6-220670)

**Discussion:**

Approved as per draft S6-220844 rev1 plus:

- removing changes over changes and

- correcting following typos “locatio”, "the" word repeated twice.

**Decision:** The document was **revised to S6-220949**.

**S6-220949 Pseudo-CR on update on solution #2**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

(Replaces S6-220844)

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

**S6-220671 Pseudo-CR on solution for supporting location QoS**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

**Decision:** The document was **revised to S6-220845**.

**S6-220845 Pseudo-CR on solution for supporting location QoS**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

(Replaces S6-220671)

**Discussion:**

Samsung suggested adding an EN to S6-220845 rev 1

Approved as per S6-220845 rev 1 plus:

- adding Editor’s note: Updates to the solution and solution evaluation based on Solution #1 is FFS.

**Decision:** The document was **revised to S6-220950**.

**S6-220950 Pseudo-CR on solution for supporting location QoS**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

(Replaces S6-220845)

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

**S6-220739 FS\_5GFLS\_Way\_forward**

*Type: discussion For: Discussion  
 23.700-98 v..  
 Source: Samsung*

**Discussion:**

Samsung presented the S6-220739 together with the draft S6-220740 rev 2 during the CC#6.

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

**S6-220740 Pseudo-CR on update to solution#3**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

**Discussion:**

Samsung presented the draft S6-220740 rev 2 during the CC#6.

Deutshe Telekom noted they did not see the benefit of separating the location management server and fused location server.

CATT remarked that these two can be in a same box but showed the logical architecture.

Ericsson did not see the purpose for the fused location server UU.

Qualcomm suggested that the FL-UU could be an instance of LM-UU and further pointed out that the interfaces should not be duplicated.

**Decision:** The document was **revised to S6-220872**.

**S6-220872 Pseudo-CR on update to solution#3**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

(Replaces S6-220740)

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

### 9.8 FS\_eEDGEAPP - Study on enhanced Application Architecture for enabling Edge Applications

**S6-220503 Solution for KI#19 – ACR selection and coordination**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: InterDigital*

**Decision:** The document was **revised to S6-220824**.

**S6-220824 Solution for KI#19 – ACR selection and coordination**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: InterDigital, Ericsson, Samsung*

(Replaces S6-220503)

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

**S6-220505 Solution for KI#9 - Enhancement of dynamic EAS instantiation triggering**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: InterDigital, Ericsson*

(Replaces S6-220285)

**Decision:** The document was **revised to S6-220849**.

**S6-220849 Solution for KI#9 - Enhancement of dynamic EAS instantiation triggering**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: InterDigital, Ericsson, Samsung*

(Replaces S6-220505)

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

**S6-220508 Revised SID on Enhanced architecture for enabling Edge Applications**

*Type: SID revised For: Approval  
 Source: Intel*

(Replaces S6-212453)

**Discussion:**

Intel presented the document S6-220508 during the CC#5.

InterDigital and Motorola Solutions supported the creation of an external TR if the scope is appropriate.

Huawei noted they would need to know more about the scope before deciding on the need of an external TR.

The chair noted there seemed to be no objection to the concept of creating an external TR, however the next step will need to be decided. This could be part of the existing study or a new WID.

InterDigital did not think the existing study was appropriate.

Huawei was of the view that the possible external TR should be part of a normative work.

The chair raised the questio whether there was support for the creation of an external TR via the normativ work WID (Rel-18 EDGEAPP WID). There seemed to be no objection for the suggested way forward. However the present discussion is taking place within an informal CC, hence a formal decision will be taken later.

Finally it was also noted that including the external TR in the WID could potentially delay the normative work, which is a risk that should be considered.

Motorola Solutions was of the view did not see a concern related to the timing.

InterDigital also adviced against a shared responsibility (between WGs) as this would risk creating lots of complications.

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

**S6-220541 Update to solution #14**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: InterDigital*

**Decision:** The document was **revised to S6-220822**.

**S6-220822 Update to solution #14**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: InterDigital*

(Replaces S6-220541)

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

**S6-220542 Solution for KI#17 – Common EAS**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: InterDigital*

**Decision:** The document was **revised to S6-220823**.

**S6-220823 Solution for KI#17 – Common EAS**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: InterDigital*

(Replaces S6-220542)

**Discussion:**

Approved as per draft S6-220823 rev 2 plus adding Editor’s Note: Whether AC-1 and AC-2 always share the same ACID is FFS.

**Decision:** The document was **revised to S6-220954**.

**S6-220954 Solution for KI#17 – Common EAS**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: InterDigital*

(Replaces S6-220823)

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

**S6-220545 EAS selection synchronization at registration**

*Type: pCR For: Agreement  
 23.700-98 v0.5.1  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220915**.

**S6-220915 EAS selection synchronization at registration**

*Type: pCR For: Agreement  
 23.700-98 v0.5.1  
 Source: Convida Wireless LLC*

(Replaces S6-220545)

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

**S6-220546 ECS Publish Discovery CAPIF**

*Type: pCR For: Agreement  
 23.700-98 v0.5.1  
 Source: Convida Wireless LLC*

**Discussion:**

Convida presented the S6-220546 during the CC#9.

Qualcomm suggested introducing an editor's note to further study whether it was appropriate to add service APIs to the curretn CAPIF.

Samsung indicated they in principle were ok with the proposal.

**Decision:** The document was **revised to S6-220916**.

**S6-220916 ECS Publish Discovery CAPIF**

*Type: pCR For: Agreement  
 23.700-98 v0.5.1  
 Source: Convida Wireless LLC, Deutsche Telekom*

(Replaces S6-220546)

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

**S6-220547 AC Association aware EEC Registration**

*Type: pCR For: Agreement  
 23.700-98 v0.5.1  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220917**.

**S6-220917 AC Association aware EEC Registration**

*Type: pCR For: Agreement  
 23.700-98 v0.5.1  
 Source: Convida Wireless LLC*

(Replaces S6-220547)

**Discussion:**

Approved as per draft S6-220917 rev5.

**Decision:** The document was **revised to S6-220977**.

**S6-220977 AC Association aware EEC Registration**

*Type: pCR For: Agreement  
 23.700-98 v0.5.1  
 Source: Convida Wireless LLC*

(Replaces S6-220917)

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

**S6-220548 AC Association aware EAS Discovery**

*Type: pCR For: Agreement  
 23.700-98 v0.5.1  
 Source: Convida Wireless LLC*

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

**S6-220565 Updates on Solution #3**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Samsung*

**Decision:** The document was **revised to S6-220769**.

**S6-220769 Updates on Solution #3**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Samsung*

(Replaces S6-220565)

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

**S6-220567 Update Solution #12**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Samsung*

**Decision:** The document was **revised to S6-220770**.

**S6-220770 Update Solution #12**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Samsung*

(Replaces S6-220567)

**Discussion:**

Approved as per draft S6-220770 rev1.

**Decision:** The document was **revised to S6-220951**.

**S6-220951 Update Solution #12**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Samsung*

(Replaces S6-220770)

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

**S6-220568 Updates to architectural requirements for EAS Service APIs**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: ETRI, Uangel*

**Abstract:**

This paper proposes to revise the architectural requirements for EAS Service APIs as specified in the clause 5.2.

**Decision:** The document was **revised to S6-220913**.

**S6-220913 Updates to architectural requirements for EAS Service APIs**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: ETRI, Uangel*

(Replaces S6-220568)

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

**S6-220569 Solution #8 update: ENs and evaluation**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: ETRI, Uangel*

**Abstract:**

This paper proposes to revise the solution #8 with resolving its editor's notes and adding the evaluation text.

**Decision:** The document was **revised to S6-220914**.

**S6-220914 Solution #8 update: ENs and evaluation**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: ETRI, Uangel*

(Replaces S6-220569)

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

**S6-220570 S6-eEDGEAPP\_Solution for KI#5**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S6-220830**.

**S6-220830 S6-eEDGEAPP\_Solution for KI#5**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

(Replaces S6-220570)

**Discussion:**

Approved as per draft S6-220830 rev 4.

**Decision:** The document was **revised to S6-220958**.

**S6-220958 S6-eEDGEAPP\_Solution for KI#5**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

(Replaces S6-220830)

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

**S6-220571 Solution for KI#3**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Samsung*

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

**S6-220572 S6-eEDGEAPP\_Update Solution #8**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S6-220831**.

**S6-220831 S6-eEDGEAPP\_Update Solution #8**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

(Replaces S6-220572)

**Discussion:**

Approved as per draft S6-220831 rev1.

**Decision:** The document was **revised to S6-220953**.

**S6-220953 S6-eEDGEAPP\_Update Solution #8**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

(Replaces S6-220831)

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

**S6-220601 FS\_eEDGEAPP the procedure for solution #11 EASs to invoke MEC services API using CAPIF**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: AsiaInfo Technologies Inc*

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

**S6-220609 eEDGEAPP\_new KI on Enhancement of EES**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S6-220832**.

**S6-220832 eEDGEAPP\_new KI on Enhancement of EES**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

(Replaces S6-220609)

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

**S6-220621 Update the description for solution #11 EASs to invoke MEC services API using CAPIF**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: AsiaInfo Technologies Inc*

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

**S6-220622 FS\_eEDGEAPP the procedure for solution #11 EASs to invoke MEC services API using CAPIF**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: AsiaInfo Technologies Inc*

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

**S6-220623 pCR on Solution proposal for Key issue #17: Discovery of a common EAS**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Apple GmbH*

**Decision:** The document was **revised to S6-220834**.

**S6-220834 pCR on Solution proposal for Key issue #17: Discovery of a common EAS**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Apple GmbH*

(Replaces S6-220623)

**Discussion:**

Approved as per draft S6-220834 rev 3.

**Decision:** The document was **revised to S6-220955**.

**S6-220955 pCR on Solution proposal for Key issue #17: Discovery of a common EAS**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Apple GmbH*

(Replaces S6-220834)

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

**S6-220624 S6-eDGEAPP\_Update Solution 8**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S6-220833**.

**S6-220833 S6-eDGEAPP\_Update Solution 8**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

(Replaces S6-220624)

**Discussion:**

Approved as per draft S6-220833 rev2 plus some formatting issues.

**Decision:** The document was **revised to S6-220952**.

**S6-220952 S6-eDGEAPP\_Update Solution 8**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

(Replaces S6-220833)

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

**S6-220628 ACR between CAS and EAS**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Ericsson*

**Abstract:**

This contribution proposes a new solution to support ACR between EAS and CAS.

**Discussion:**

Ericsson presented the S6-220628 during the CC#1.

KPN was in principle favourable of this proposal and noted they had a paper that potentially could be merged with the present paper.

Samsung noted they also have a contribution that possibly could be merged as well, however their contribution goes slightly beyond the present contribution.

There was some discussion whether to use cloud vs central.

Convida suggested to analyse the functionality to see whether it can be realised with the current architecture.

**Decision:** The document was **revised to S6-220864**.

**S6-220864 ACR between CAS and EAS**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Ericsson*

(Replaces S6-220628)

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

**S6-220629 Common EAS selection solution**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220869**.

**S6-220869 Common EAS selection solution**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Ericsson*

(Replaces S6-220629)

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

**S6-220631 Support simultaneous EAS Connectivity in ACR**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Ericsson*

**Decision:** The document was **revised to S6-220868**.

**S6-220868 Support simultaneous EAS Connectivity in ACR**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Ericsson*

(Replaces S6-220631)

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

**S6-220632 New KI Simultaneous EAS Connectivity in ACR**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Ericsson*

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

**S6-220635 S6-eEDGEAPP\_Solution for KI#1- Enhanced notification service to the EEC**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

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

**S6-220638 S6-eEDGEAPP\_Solution for KI#12- EEL service differentiation**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: China Mobile E-Commerce Co.*

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

**S6-220655 Discussion on fused location service architecture**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

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

**S6-220656 Pseudo-CR on solution#1 update**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

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

**S6-220657 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**.

**S6-220658 Pseudo-CR on update on solution #2**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

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

**S6-220659 Pseudo-CR on solution for supporting location QoS**

*Type: pCR For: Approval  
 23.700-96 v0.4.0  
 Source: CATT*

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

**S6-220663 Pseudo-CR on solution to KI#13 - Edge enabler layer support for EAS synchronization**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Samsung*

(Replaces S6-220186)

**Decision:** The document was **revised to S6-220874**.

**S6-220874 Pseudo-CR on solution to KI#13 - Edge enabler layer support for EAS synchronization**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Samsung*

(Replaces S6-220663)

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

**S6-220664 Pseudo-CR on solution to KI#3**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Samsung*

(Replaces S6-220367)

**Decision:** The document was **revised to S6-220875**.

**S6-220875 Pseudo-CR on solution to KI#3**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Samsung*

(Replaces S6-220664)

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

**S6-220682 Pseudo-CR on solution to KI#14**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Samsung Electronics Benelux BV*

**Decision:** The document was **revised to S6-220846**.

**S6-220846 Pseudo-CR on solution to KI#14**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Samsung Electronics Benelux BV*

(Replaces S6-220682)

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

**S6-220694 EDGE-5 APIs**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Qualcomm*

**Decision:** The document was **revised to S6-220853**.

**S6-220853 EDGE-5 APIs**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Qualcomm*

(Replaces S6-220694)

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

**S6-220695 Federation and roaming**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Qualcomm*

**Decision:** The document was **revised to S6-220854**.

**S6-220854 Federation and roaming**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Qualcomm*

(Replaces S6-220695)

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

**S6-220696 Linked EASs**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Qualcomm*

**Decision:** The document was **revised to S6-220855**.

**S6-220855 Linked EASs**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Qualcomm*

(Replaces S6-220696)

**Discussion:**

Approved as per draft S6-220855 rev1.

**Decision:** The document was **revised to S6-220959**.

**S6-220959 Linked EASs**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Qualcomm*

(Replaces S6-220855)

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

**S6-220697 UE identification with NAT**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Qualcomm*

**Decision:** The document was **revised to S6-220856**.

**S6-220856 UE identification with NAT**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Qualcomm*

(Replaces S6-220697)

**Discussion:**

Approved as per draft S6-220856 rev1.

**Decision:** The document was **revised to S6-220960**.

**S6-220960 UE identification with NAT**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Qualcomm*

(Replaces S6-220856)

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

**S6-220718 Enhancement to Solution on ACR scenario combination**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Enhancement to Solution on ACR scenario combination

**Decision:** The document was **revised to S6-220893**.

**S6-220893 Enhancement to Solution on ACR scenario combination**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220718)

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

**S6-220719 Key issue on EAS discovery in Edge Node sharing scenario**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on EAS discovery in Edge Node sharing scenario

**Decision:** The document was **revised to S6-220894**.

**S6-220894 Key issue on EAS discovery in Edge Node sharing scenario**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220719)

**Discussion:**

Approved as per draft S6-220894 rev2.

**Decision:** The document was **revised to S6-220978**.

**S6-220978 Key issue on EAS discovery in Edge Node sharing scenario**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220894)

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

**S6-220720 Solution for EAS discovery in Edge Node sharing scenario**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for EAS discovery in Edge Node sharing scenario

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

**S6-220721 Solution for selection of one common EAS for a group of Ues**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for selection of one common EAS for a group of Ues

**Decision:** The document was **revised to S6-220895**.

**S6-220895 Solution for selection of one common EAS for a group of Ues**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220721)

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

**S6-220722 Solution for T-EAS discovery for linkage of AC with multiple EAS(s)**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for T-EAS discovery for linkage of AC with multiple EAS(s)

**Decision:** The document was **revised to S6-220896**.

**S6-220896 Solution for T-EAS discovery for linkage of AC with multiple EAS(s)**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220722)

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

**S6-220723 Solution for T-EAS discovery in Edge Node sharing scenario**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for T-EAS discovery in Edge Node sharing scenario

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

**S6-220724 Evaluation of solution #17**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Evaluation of solution #17

**Decision:** The document was **revised to S6-220897**.

**S6-220897 Evaluation of solution #17**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220724)

**Discussion:**

Approved as per draft S6-220897 rev1.

**Decision:** The document was **revised to S6-220963**.

**S6-220963 Evaluation of solution #17**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220897)

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

**S6-220725 Evaluation of solution #19**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Evaluation of solution #19

**Decision:** The document was **revised to S6-220898**.

**S6-220898 Evaluation of solution #19**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220725)

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

**S6-220726 Overall Evaluation of key issue#14**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Overall Evaluation of key issue#14

**Decision:** The document was **revised to S6-220899**.

**S6-220899 Overall Evaluation of key issue#14**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220726)

**Discussion:**

Approved as per draft S6-220899 rev 2.

**Decision:** The document was **revised to S6-220966**.

**S6-220966 Overall Evaluation of key issue#14**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220899)

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

**S6-220727 Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220418)

**Abstract:**

Proposal for Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time

**Discussion:**

Approved as per draft S6-220727 rev1 plus rewording the EN to read "Prediction expiration time” before the first ACR request and avoiding multiple ACR requests in case of failure is FFS."

**Decision:** The document was **revised to S6-220957**.

**S6-220957 Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220727)

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

**S6-220728 Evaluation of Solution#4**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Evaluation of Solution#4

**Decision:** The document was **revised to S6-220900**.

**S6-220900 Evaluation of Solution#4**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220728)

**Discussion:**

Approved as per draft S6-220900 rev1.

**Decision:** The document was **revised to S6-220962**.

**S6-220962 Evaluation of Solution#4**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220900)

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

**S6-220729 Evaluation of Solution#5**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Evaluation of Solution#5

**Decision:** The document was **revised to S6-220901**.

**S6-220901 Evaluation of Solution#5**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220729)

**Discussion:**

Approved as per draft S6-220901 rev1.

**Decision:** The document was **revised to S6-220956**.

**S6-220956 Evaluation of Solution#5**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220901)

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

**S6-220730 Evaluation of Solution #6 - ACR update in service continuity planning**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Evaluation of Solution #6 - ACR update in service continuity planning

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

**S6-220731 Solution for ACR scenario selection for linkage EAS(s)**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for ACR scenario selection for linkage EAS(s)

**Decision:** The document was **revised to S6-220902**.

**S6-220902 Solution for ACR scenario selection for linkage EAS(s)**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: Huawei, Hisilicon*

(Replaces S6-220731)

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

**S6-220736 Pseudo-CR on Solution to KI#11**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

**Decision:** The document was **revised to S6-220870**.

**S6-220870 Pseudo-CR on Solution to KI#11**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

(Replaces S6-220736)

**Discussion:**

Approved as per draft S6-220870 rev1.

**Decision:** The document was **revised to S6-220961**.

**S6-220961 Pseudo-CR on Solution to KI#11**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

(Replaces S6-220870)

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

**S6-220737 Pseudo-CR on Solution to KI#17**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

**Decision:** The document was **revised to S6-220871**.

**S6-220871 Pseudo-CR on Solution to KI#17**

*Type: pCR For: Approval  
 23.700-98 v0.4.0  
 Source: Samsung*

(Replaces S6-220737)

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

**S6-220743 New solution for enhancements to service continuity planning**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: KPN N.V., Ericsson*

**Decision:** The document was **revised to S6-220861**.

**S6-220861 New solution for enhancements to service continuity planning**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: KPN N.V., Ericsson*

(Replaces S6-220743)

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

**S6-220744 Extended Architecture for ACR between EAS and CAS**

*Type: pCR For: Approval  
 23.700-98 v0.5.1  
 Source: KPN N.V.*

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

**S6-220751 Comparison of solutions for Common EAS Selection**

*Type: discussion For: Presentation  
 Source: Samsung*

**Discussion:**

Samsung presented the draft v4 of S6-220751 with a comparison of solutions for Common EAS Selection during the CC#9.

The following solutions were compared:

Convida Proposal (S6-220547 and S6-220548),

InterDigital Proposal (S6-220542),

Apple Proposal (S6-220623),

Ericsson Proposal (S6-220629),

Huawei Proposal (S6-220721) and

Samsung Proposal (S6-220737).

Apple made a remark that they did not think it was necessary at this stage to agree on a single solution but to even possibly include all 6 solutions in to the TR.

The chair noted that in principle was fine but that the group at some stage will need to work towards a single solution.

InterDigital agreed with the view of Apple and favoured including all solutions in the TR. They also recommended caution in the use of the term comparison.

Motorola Solutions noted it would be unusual to include this many solution proposal and suggested that the various sources for these solutions should be prepared for not necessarily getting their solution included in the TR.

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

### 9.9 FS\_eUASAPP - Study on enhanced architecture for UAS Applications

**S6-220509 Cleanups of the procedures for Solution #1**

*Type: pCR For: Approval  
 23.700-55 v0.3.0  
 Source: InterDigital*

**Decision:** The document was **revised to S6-220813**.

**S6-220813 Cleanups of the procedures for Solution #1**

*Type: pCR For: Approval  
 23.700-55 v0.3.0  
 Source: InterDigital*

(Replaces S6-220509)

**Discussion:**

Approved as per draft S6-220813 rev2.

**Decision:** The document was **revised to S6-220964**.

**S6-220964 Cleanups of the procedures for Solution #1**

*Type: pCR For: Approval  
 23.700-55 v0.3.0  
 Source: InterDigital*

(Replaces S6-220813)

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

**S6-220516 Evaluation of Solution #1**

*Type: pCR For: Approval  
 23.700-55 v0.3.0  
 Source: InterDigital*

**Decision:** The document was **revised to S6-220814**.

**S6-220814 Evaluation of Solution #1**

*Type: pCR For: Approval  
 23.700-55 v0.3.0  
 Source: InterDigital*

(Replaces S6-220516)

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

**S6-220654 Solution to KI #2 - Support for USS re-mapping for a UAS**

*Type: pCR For: Approval  
 23.700-55 v0.3.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution proposes a solution for KI #2 which is about the USS remapping in multi-USS deployments in different DNs.

**Decision:** The document was **revised to S6-220821**.

**S6-220821 Solution to KI #2 - Support for USS re-mapping for a UAS**

*Type: pCR For: Approval  
 23.700-55 v0.3.0  
 Source: Lenovo Future Communications*

(Replaces S6-220654)

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

### 9.10 FS\_SEALDD - Study on SEAL data delivery enabler for vertical applications

**S6-220549 Redundant transport solution**

*Type: pCR For: Agreement  
 23.700-34 v0.3.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220918**.

**S6-220918 Redundant transport solution**

*Type: pCR For: Agreement  
 23.700-34 v0.3.0  
 Source: Convida Wireless LLC*

(Replaces S6-220549)

**Discussion:**

Approved as per draft S6-220918 rev2.

**Decision:** The document was **revised to S6-220965**.

**S6-220965 Redundant transport solution**

*Type: pCR For: Agreement  
 23.700-34 v0.3.0  
 Source: Convida Wireless LLC*

(Replaces S6-220918)

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

**S6-220550 Data storage solution**

*Type: pCR For: Agreement  
 23.700-34 v0.3.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220745**.

**S6-220745 Data storage solution**

*Type: pCR For: Agreement  
 23.700-34 v0.3.0  
 Source: Convida Wireless LLC*

(Replaces S6-220550)

**Decision:** The document was **revised to S6-220919**.

**S6-220919 Data storage solution**

*Type: pCR For: Agreement  
 23.700-34 v0.3.0  
 Source: Convida Wireless LLC*

(Replaces S6-220745)

**Discussion:**

Approved as per draft S6-220919 rev 1.

**Decision:** The document was **revised to S6-220967**.

**S6-220967 Data storage solution**

*Type: pCR For: Agreement  
 23.700-34 v0.3.0  
 Source: Convida Wireless LLC*

(Replaces S6-220919)

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

**S6-220625 Pseudo-CR on new solution for CAPIF adaptation**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Ericsson*

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

**S6-220712 Discussion on Clarifications regarding SEALDD architecture**

*Type: discussion For: Information  
 23.700-34 v..  
 Source: Huawei, Hisilicon*

**Abstract:**

Discussion on Clarifications regarding SEALDD architecture

**Discussion:**

Huawei presented the S6-220712 slides 3, 5 and 4 during the CC#7.

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

**S6-220713 Update to KI #5: SEALDD enabled Data Storage**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Update to KI #5: SEALDD enabled Data Storage

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

**S6-220714 Update to SEALDD architecture for traffic flow description**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220250)

**Abstract:**

Proposal for Update to SEALDD architecture for traffic flow description

**Decision:** The document was **revised to S6-220912**.

**S6-220912 Update to SEALDD architecture for traffic flow description**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220714)

**Discussion:**

Approved as per draft S6-220912 rev1.

**Decision:** The document was **revised to S6-220968**.

**S6-220968 Update to SEALDD architecture for traffic flow description**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220912)

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

**S6-220715 Solution on KI#4: SEALDD integrating MSGin5G for message transfer**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on KI#4: SEALDD integrating MSGin5G for message transfer

**Decision:** The document was **revised to S6-220890**.

**S6-220890 Solution on KI#4: SEALDD integrating MSGin5G for message transfer**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220715)

**Discussion:**

Approved as per draft S6-220890 rev2.

**Decision:** The document was **revised to S6-220969**.

**S6-220969 Solution on KI#4: SEALDD integrating MSGin5G for message transfer**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220890)

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

**S6-220716 Solution on KI#6: SEALDD server discovery and selection for specific EAS**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on KI#6: SEALDD server discovery and selection for specific EAS

**Decision:** The document was **revised to S6-220891**.

**S6-220891 Solution on KI#6: SEALDD server discovery and selection for specific EAS**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220716)

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

**S6-220717 Solution on KI#7: SEALDD server discovery and selection for specific VAL server**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution on KI#7: SEALDD server discovery and selection for specific VAL server

**Decision:** The document was **revised to S6-220892**.

**S6-220892 Solution on KI#7: SEALDD server discovery and selection for specific VAL server**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220717)

**Discussion:**

Approved as per draft S6-220892 rev2.

**Decision:** The document was **revised to S6-220970**.

**S6-220970 Solution on KI#7: SEALDD server discovery and selection for specific VAL server**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220892)

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

**S6-220889 Update to SEALDD architecture for traffic flow description**

*Type: pCR For: Approval  
 23.700-34 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220250)

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

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

**S6-220660 Solution to KI #1 on VRU zone provisioning**

*Type: pCR For: Approval  
 23.700-64 v0.3.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution proposes a new solution to KI #1 on zone configuration for VRUP applications.

**Decision:** The document was **revised to S6-220817**.

**S6-220817 Solution to KI #1 on VRU zone provisioning**

*Type: pCR For: Approval  
 23.700-64 v0.3.0  
 Source: Lenovo Future Communications*

(Replaces S6-220660)

**Discussion:**

Approved as per draft S6-220817 rev 1.

**Decision:** The document was **revised to S6-220971**.

**S6-220971 Solution to KI #1 on VRU zone provisioning**

*Type: pCR For: Approval  
 23.700-64 v0.3.0  
 Source: Lenovo Future Communications*

(Replaces S6-220817)

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

**S6-220661 Key Issue on trust enablement for automated V2X transactions**

*Type: pCR For: Approval  
 23.700-64 v0.3.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution proposes a new key issue on trust enablement for critical and automated V2X services.

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

**S6-220733 Solution for V2X service deployment with Edge Enabler Layer**

*Type: pCR For: Approval  
 23.700-64 v0.3.0  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Solution for V2X service deployment with Edge Enabler Layer

**Decision:** The document was **revised to S6-220904**.

**S6-220904 Solution for V2X service deployment with Edge Enabler Layer**

*Type: pCR For: Approval  
 23.700-64 v0.3.0  
 Source: Huawei, Hisilicon*

(Replaces S6-220733)

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

### 9.12 FS\_ADAES - Study on Application Data Analytics Enablement Service

**S6-220557 Data analytics enablement solution**

*Type: pCR For: Agreement  
 23.700-36 v0.1.0  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220925**.

**S6-220925 Data analytics enablement solution**

*Type: pCR For: Agreement  
 23.700-36 v0.1.0  
 Source: Convida Wireless LLC*

(Replaces S6-220557)

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

**S6-220640 DP on potential topics and planned work**

*Type: discussion For: (not specified)  
 23.700-36 v..  
 Source: Lenovo Future Communications*

**Abstract:**

Discussion paper on work plan, potential topics and ADAES value

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

**S6-220642 Key Issue on API related analytics**

*Type: pCR For: Approval  
 23.700-36 v0.1.0  
 Source: Lenovo Future Communications*

**Abstract:**

New key issue proposal for API related analytics

**Discussion:**

Lenovo presented the S6-220642 during the CC#7.

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

**S6-220644 Key Issue on support for analytics related to slicing**

*Type: pCR For: Approval  
 23.700-36 v0.1.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution proposes a new key issue on supporting analytics related to slicing in ADAES

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

**S6-220645 Key Issue on CAPIF enhancements**

*Type: pCR For: Approval  
 23.700-36 v0.1.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution proposes a new key issue on possible CAPIF enhancements to support app layer analytics.

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

**S6-220646 Key Issue on DN related energy analytics**

*Type: pCR For: Approval  
 23.700-36 v0.1.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution proposes a new key issue on supporting energy related analytics in ADAES.

**Discussion:**

Lenovo presented the S6-220646 during the CC#7.

Deutsche Telekom was of the view that this kind of aspects (i.e energy analytics) would better with wihtin SA5.

Huawei suggested for this usecase to separate only the common part that possibly can be merged it into another one, but that load prediction as presented was too specific.

**Decision:** The document was **revised to S6-220860**.

**S6-220860 Key Issue on DN related energy analytics**

*Type: pCR For: Approval  
 23.700-36 v0.1.0  
 Source: Lenovo Future Communications*

(Replaces S6-220646)

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

**S6-220649 Solution to KI #1 - support for application performance analytics**

*Type: pCR For: Approval  
 23.700-36 v0.1.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution proposes a new solution for KI #1.

**Decision:** The document was **revised to S6-220819**.

**S6-220819 Solution to KI #1 - support for application performance analytics**

*Type: pCR For: Approval  
 23.700-36 v0.1.0  
 Source: Lenovo Future Communications*

(Replaces S6-220649)

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

**S6-220650 Solution to KI #2 - support for edge analytics**

*Type: pCR For: Approval  
 23.700-36 v0.1.0  
 Source: Lenovo Future Communications*

**Abstract:**

This contribution proposes a new solution for KI #2 on edge analytics support

**Decision:** The document was **revised to S6-220820**.

**S6-220820 Solution to KI #2 - support for edge analytics**

*Type: pCR For: Approval  
 23.700-36 v0.1.0  
 Source: Lenovo Future Communications*

(Replaces S6-220650)

**Discussion:**

Approved as per draft S6-220820 rev 1.

**Decision:** The document was **revised to S6-220972**.

**S6-220972 Solution to KI #2 - support for edge analytics**

*Type: pCR For: Approval  
 23.700-36 v0.1.0  
 Source: Lenovo Future Communications*

(Replaces S6-220820)

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

**S6-220818 Key Issue on support for analytics related to slicing**

*Type: pCR For: Approval  
 23.700-36 v0.1.0  
 Source: Lenovo Future Communications*

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

### 9.13 FS\_PINAPP - Study on Application layer support for Personal IoT

**S6-220540 New KI on PIN Application Server Discovery**

*Type: pCR For: Approval  
 23.700-78 v0.1.0  
 Source: InterDigital*

**Decision:** The document was **revised to S6-220851**.

**S6-220851 New KI on PIN Application Server Discovery**

*Type: pCR For: Approval  
 23.700-78 v0.1.0  
 Source: InterDigital*

(Replaces S6-220540)

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

**S6-220574 Solution for KI#1 – Creation of PIN**

*Type: pCR For: Approval  
 23.700-78 v0.1.0  
 Source: vivo*

**Decision:** The document was **revised to S6-220803**.

**S6-220803 Solution for KI#1 – Creation of PIN**

*Type: pCR For: Approval  
 23.700-78 v0.1.0  
 Source: vivo, Samung*

(Replaces S6-220574)

**Discussion:**

Approved as per draft S6-220803 rev 2.

**Decision:** The document was **revised to S6-220973**.

**S6-220973 Solution for KI#1 – Creation of PIN**

*Type: pCR For: Approval  
 23.700-78 v0.1.0  
 Source: vivo, Samsung*

(Replaces S6-220803)

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

**S6-220575 Solution for KI#1 – Determination of the role: PEMC**

*Type: pCR For: Approval  
 23.700-78 v0.1.0  
 Source: vivo*

**Decision:** The document was **revised to S6-220804**.

**S6-220804 Solution for KI#1 – Determination of the role: PEMC**

*Type: pCR For: Approval  
 23.700-78 v0.1.0  
 Source: vivo*

(Replaces S6-220575)

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

**S6-220576 New KI on service switch in PIN**

*Type: pCR For: Approval  
 23.700-78 v0.1.0  
 Source: vivo*

**Decision:** The document was **revised to S6-220805**.

**S6-220805 New KI on service switch in PIN**

*Type: pCR For: Approval  
 23.700-78 v0.1.0  
 Source: vivo*

(Replaces S6-220576)

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

**S6-220577 New KI on service continuity**

*Type: pCR For: Approval  
 23.700-78 v0.1.0  
 Source: vivo*

**Decision:** The document was **revised to S6-220806**.

**S6-220806 New KI on service continuity**

*Type: pCR For: Approval  
 23.700-78 v0.1.0  
 Source: vivo*

(Replaces S6-220577)

**Discussion:**

Approved as per draft S6-220806 rev 1.

**Decision:** The document was **revised to S6-220974**.

**S6-220974 New KI on service continuity**

*Type: pCR For: Approval  
 23.700-78 v0.1.0  
 Source: vivo*

(Replaces S6-220806)

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

## 10 Future work / New WIDs (including related contributions)

**S6-220510 Revised SID on Study on enhanced architecture for UAS Applications**

*Type: SID revised For: Agreement  
 Source: SA6*

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

**S6-220561 Revised WID eSEAL2 update for FS\_ACE\_IoT**

*Type: WID revised For: Agreement  
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-220929**.

**S6-220929 Revised WID eSEAL2 update for FS\_ACE\_IoT**

*Type: WID revised For: Agreement  
 Source: Convida Wireless LLC*

(Replaces S6-220561)

**Discussion:**

Huawei objected to the contribution.

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

**S6-220734 Revised SID for Study on enhancements to application layer support for V2X services; Phase 2**

*Type: SID revised For: Agreement  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Revised SID for Study on enhancements to application layer support for V2X services; Phase 2

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

**S6-220735 Revised SID for Study on SEAL data delivery enabler for vertical application**

*Type: SID revised For: Agreement  
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Revised SID for Study on SEAL data delivery enabler for vertical application

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

## 11 Work Plan review

**S6-220507 Presentation of TR 23.783 v2.0.0 for approval**

*Type: TS or TR cover For: Agreement  
 23.783 v2.0.0  
 Source: Netherlands Police*

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

**S6-220487 SA6#48-e Work Plan Review**

*Type: Work Plan For: Discussion  
 Source: SA6 Chair*

**Abstract:**

SA6#48-e Work Plan Review

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

**S6-220681 Meetings Calls Discussion**

*Type: Work Plan For: Discussion  
 Source: SA6 Chair*

**Discussion:**

The chair presented the document during the opening call.

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

**S6-220738 FS\_eEDGEAPP\_Work\_plan**

*Type: Work Plan For: Presentation  
 Source: Samsung*

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

## 12 Future meetings

For future meetings please see Annex I

## 13 AOB

## 14 Close of the meeting

Report prepared by: editiorial

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S6-220482 | SA6 Meeting 48-e Agenda | SA6 Chair | noted |  |  |
| S6-220483 | SA6 Meeting 47-e Report | MCC | approved |  |  |
| S6-220484 | SA6 Meeting #48-e - Agenda with Tdocs allocation after submission deadline | SA6 Chair | noted |  |  |
| S6-220485 | SA6 Meeting #48-e - Agenda with Tdocs allocation at start of the meeting | SA6 Chair | revised |  | S6-220747 |
| S6-220486 | SA6 Meeting #48-e - Chair's notes at end of the meeting | SA6 Chair | revised |  | S6-220979 |
| S6-220487 | SA6#48-e Work Plan Review | SA6 Chair | noted |  |  |
| S6-220488 | LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT | SA3 | noted |  |  |
| S6-220489 | Reply LS on MBS Service Area Identity and start procedure for broadcast service | SA2 | noted |  |  |
| S6-220490 | LS on 5MBS User Services | SA4 | noted |  |  |
| S6-220491 | LS on AF specific UE ID retrieval | CT3 | replied to |  | - |
| S6-220492 | Reply LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT | SA1 | noted |  |  |
| S6-220493 | Reply LS on ad hoc group communication | SA1 | noted |  |  |
| S6-220494 | Reply LS on Further GSMA OPAG questions following SDO Workshop | SA2 | noted |  |  |
| S6-220495 | LS on query on EEC Registration Update procedure | CT1 | replied to |  | - |
| S6-220496 | Reply LS on Further Operator Platform Group questions following SDO Workshop | SA3 | noted |  |  |
| S6-220497 | LS on presentation of EUWENA and involvement in 3GPP on Non Public Network | EUWENA | noted |  |  |
| S6-220498 | Reply LS on maximum number of MBS sessions that can be associated to a PDU session | RAN2 | noted |  |  |
| S6-220499 | MC gateway UE – MC client disassociation procedure | Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell | revised |  | S6-220797 |
| S6-220500 | MC gateway UE – MC client configuration necessary for MC server association and disassociation | Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell | noted |  |  |
| S6-220501 | MC gateway UE – MC client configuration necessary for MC server association and disassociation | Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell | noted |  |  |
| S6-220502 | MC gateway UE – MC client configuration necessary for MC server association and disassociation | Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell | noted |  |  |
| S6-220503 | Solution for KI#19 – ACR selection and coordination | InterDigital | revised |  | S6-220824 |
| S6-220504 | Removal of the Editor's Note on dynamic EAS instantiation information | InterDigital | revised |  | S6-220835 |
| S6-220505 | Solution for KI#9 - Enhancement of dynamic EAS instantiation triggering | InterDigital, Ericsson | revised | S6-220285 | S6-220849 |
| S6-220506 | LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation | InterDigital | revised |  | S6-220848 |
| S6-220507 | Presentation of TR 23.783 v2.0.0 for approval | Netherlands Police | agreed |  |  |
| S6-220508 | Revised SID on Enhanced architecture for enabling Edge Applications | Intel | postponed | S6-212453 |  |
| S6-220509 | Cleanups of the procedures for Solution #1 | InterDigital | revised |  | S6-220813 |
| S6-220510 | Revised SID on Study on enhanced architecture for UAS Applications | SA6 | agreed |  |  |
| S6-220511 | LS to 3GPP on MEC Federation and interest to collaborate | ETSI ISG MEC | replied to |  |  |
| S6-220512 | Reply LS to GSMA Operator Platform Group on edge computing definition and integration | SA | noted |  |  |
| S6-220513 | LS on Text Proposal toward ITU-R draft Report ITU-R M.[IMT.INDUSTRY] | SA | noted |  |  |
| S6-220514 | Reply LS to GSMA OPG on Further Operator Platform Group questions following SDO Workshop | SA | noted |  |  |
| S6-220515 | Reply LS on provision of inputs to the online ITS communication standards database from ITU | SA | noted |  |  |
| S6-220516 | Evaluation of Solution #1 | InterDigital | revised |  | S6-220814 |
| S6-220517 | Issues using ACR with LADNs | InterDigital | noted |  |  |
| S6-220518 | LS on Issues using Application Context Relocation with Local Area Data Networks | InterDigital | revised |  | S6-220850 |
| S6-220519 | Pseudo-CR on Solution evaluation for solution 8: Discovery of management service exposure | Huawei Tech.(UK) Co.. Ltd | merged |  | S6-220652 |
| S6-220520 | Pseudo-CR on Solution evaluation for solution 6: VAL server authorization and authentication via slice enabler layer | Huawei Tech.(UK) Co.. Ltd | revised |  | S6-220783 |
| S6-220521 | Pseudo-CR on Solution evaluation for solution 3: Slice API configuration and translation | Huawei Tech.(UK) Co.. Ltd | merged |  | S6-220651 |
| S6-220522 | Key issue: Adhoc group emergency alert | Nokia, Nokia Shanghai Bell, UIC, Kontron Transportation France | noted |  |  |
| S6-220523 | Clean-up of clause 11 specifying MC gateway UE support | Nokia, Nokia Shanghai Bell | revised |  | S6-220753 |
| S6-220524 | Clarification regarding the protocol used on new reference points | Nokia, Nokia Shanghai Bell, UIC | revised |  | S6-220754 |
| S6-220525 | Clarify the association between certain entities | Nokia, Nokia Shanghai Bell, UIC | revised |  | S6-220755 |
| S6-220526 | Migration during an ongoing group communication | Nokia, Nokia Shanghai Bell, UIC | revised |  | S6-220756 |
| S6-220527 | Migration during an ongoing private communication | Nokia, Nokia Shanghai Bell, UIC | revised |  | S6-220757 |
| S6-220528 | Private call using functional alias towards a partner MC system | Nokia, Nokia Shanghai Bell, UIC | revised |  | S6-220758 |
| S6-220529 | Reply LS on ECS provider identification in ECS address provisioning | Nokia, Nokia Shanghai Bell | merged |  | S6-220699 |
| S6-220530 | ECS provider ID correction | Nokia, Nokia Shanghai Bell | merged | S6-220075 | S6-220698 |
| S6-220531 | pCR on introducing KI on exchange of administrative identification data | BDBOS | approved |  |  |
| S6-220532 | pCR on introducing KI on exchange of administrative change user configuration data | BDBOS | approved |  |  |
| S6-220533 | Key issue on exchange of administrative group configuration data between interconnected MC systems | BDBOS | approved |  |  |
| S6-220534 | Key issue on exchange of administrative service configuration data between interconnected MC systems | BDBOS | approved |  |  |
| S6-220535 | Update for key Issue 1 Ad hoc group communication | Kontron Transportation France, UIC, Nokia, Nokia Shanghai Bell, Samsung | approved |  | S6-220777 |
| S6-220536 | Update for Key-Issue 4 Modifying participants list of on-going ad hoc group communication | Kontron Transportation France, UIC, Nokia, Nokia Shanghai Bell, Samsung | noted |  |  |
| S6-220537 | pCR on use cases and relationship between MC systems | BDBOS | approved |  |  |
| S6-220538 | Introducing KI on functional architecture | BDBOS | approved |  |  |
| S6-220539 | Introducing KI on user authorization | BDBOS | postponed |  |  |
| S6-220540 | New KI on PIN Application Server Discovery | InterDigital | revised |  | S6-220851 |
| S6-220541 | Update to solution #14 | InterDigital | revised |  | S6-220822 |
| S6-220542 | Solution for KI#17 – Common EAS | InterDigital | revised |  | S6-220823 |
| S6-220543 | Update FFA-2 based on notification | Convida Wireless LLC | revised |  | S6-220926 |
| S6-220544 | Update FFA-2 based on service requirements | Convida Wireless LLC | revised |  | S6-220927 |
| S6-220545 | EAS selection synchronization at registration | Convida Wireless LLC | revised |  | S6-220915 |
| S6-220546 | ECS Publish Discovery CAPIF | Convida Wireless LLC | revised |  | S6-220916 |
| S6-220547 | AC Association aware EEC Registration | Convida Wireless LLC | revised |  | S6-220917 |
| S6-220548 | AC Association aware EAS Discovery | Convida Wireless LLC | postponed |  |  |
| S6-220549 | Redundant transport solution | Convida Wireless LLC | revised |  | S6-220918 |
| S6-220550 | Data storage solution | Convida Wireless LLC | revised |  | S6-220745 |
| S6-220551 | UE API Invoker onboarding KI | Convida Wireless LLC | revised |  | S6-220920 |
| S6-220552 | UE API Invoker onboarding solution | Convida Wireless LLC | revised |  | S6-220921 |
| S6-220553 | RO registration via AF | Convida Wireless LLC | revised |  | S6-220922 |
| S6-220554 | Enhanced API Invocation using RO consent | Convida Wireless LLC | revised |  | S6-220923 |
| S6-220555 | KI1 Update UE triggered NS adaptation | Convida Wireless LLC | revised |  | S6-220924 |
| S6-220556 | UE triggered NS adaptation solution | Convida Wireless LLC | postponed |  |  |
| S6-220557 | Data analytics enablement solution | Convida Wireless LLC | revised |  | S6-220925 |
| S6-220558 | UE activity pattern and monitoring solution | Convida Wireless LLC | revised |  | S6-220928 |
| S6-220559 | BDT configuration solution | Convida Wireless LLC | postponed |  |  |
| S6-220560 | NIDD configuration solution | Convida Wireless LLC | postponed |  |  |
| S6-220561 | Revised WID eSEAL2 update for FS\_ACE\_IoT | Convida Wireless LLC | revised |  | S6-220929 |
| S6-220562 | Identities | ZTE Corporation | noted |  |  |
| S6-220563 | Usage of SEAL Group management services | ZTE Corporation | noted |  |  |
| S6-220564 | Usage of SEAL Configuration management services | ZTE Corporation | noted |  |  |
| S6-220565 | Updates on Solution #3 | Samsung | revised |  | S6-220769 |
| S6-220566 | FS\_NSCALE\_Evaluation of Solution 10 | China Mobile (Hangzhou) Inf. | revised |  | S6-220811 |
| S6-220567 | Update Solution #12 | Samsung | revised |  | S6-220770 |
| S6-220568 | Updates to architectural requirements for EAS Service APIs | ETRI, Uangel | revised |  | S6-220913 |
| S6-220569 | Solution #8 update: ENs and evaluation | ETRI, Uangel | revised |  | S6-220914 |
| S6-220570 | S6-eEDGEAPP\_Solution for KI#5 | China Mobile E-Commerce Co. | revised |  | S6-220830 |
| S6-220571 | Solution for KI#3 | Samsung | postponed |  |  |
| S6-220572 | S6-eEDGEAPP\_Update Solution #8 | China Mobile E-Commerce Co. | revised |  | S6-220831 |
| S6-220573 | LS Reply on ECS provider identification in ECS address provisioning | vivo | merged |  | S6-220699 |
| S6-220574 | Solution for KI#1 – Creation of PIN | vivo | revised |  | S6-220803 |
| S6-220575 | Solution for KI#1 – Determination of the role: PEMC | vivo | revised |  | S6-220804 |
| S6-220576 | New KI on service switch in PIN | vivo | revised |  | S6-220805 |
| S6-220577 | New KI on service continuity | vivo | revised |  | S6-220806 |
| S6-220578 | FS\_NSCALE architectural requirements | AsiaInfo Technologies Inc | revised |  | S6-220793 |
| S6-220579 | network slice optimization based on AF policy | China Mobile (Suzhou) Software | revised |  | S6-220794 |
| S6-220580 | Deployment models | China Mobile (Suzhou) Software | revised |  | S6-220795 |
| S6-220581 | application architecture updata | China Mobile (Suzhou) Software | revised |  | S6-220782 |
| S6-220582 | architecture requirement update | China Mobile (Suzhou) Software | revised |  | S6-220784 |
| S6-220583 | Identities and commonly used values | China Mobile (Suzhou) Software | revised |  | S6-220785 |
| S6-220584 | overall evaluation | China Mobile (Suzhou) Software | revised |  | S6-220786 |
| S6-220585 | Solution to KI #11 on application layer slice SLA alignment capability | AsiaInfo Technologies Inc,Huawei,CMCC | revised |  | S6-220798 |
| S6-220586 | solution for KI 1 | China Mobile (Suzhou) Software | revised |  | S6-220787 |
| S6-220587 | Interaction between the centralized NSCE server and edge NSCE server | China Mobile (Suzhou) Software | revised |  | S6-220788 |
| S6-220588 | solution evaluation for solution 6 | China Mobile (Suzhou) Software | merged |  | S6-220520 |
| S6-220589 | solution evaluation for solution 7 | China Mobile (Suzhou) Software | revised |  | S6-220790 |
| S6-220590 | Delete the EN in solution 8 | China Mobile (Suzhou) Software | noted |  |  |
| S6-220591 | Delete the EN in solution 9 | China Mobile (Suzhou) Software | postponed |  |  |
| S6-220592 | Correction of figure title in solution 3 | China Mobile (Suzhou) Software | revised |  | S6-220791 |
| S6-220593 | Clarification on general description for Solution #3 | NTT DOCOMO | revised |  | S6-220771 |
| S6-220594 | Functional model description to support 3rd party API providers with SNA | NTT DOCOMO | revised |  | S6-220772 |
| S6-220595 | Obtaining resource owner consent in a cascade API invocation | NTT DOCOMO | revised |  | S6-220773 |
| S6-220596 | Key Issue for the resource owner authentication | NTT DOCOMO | postponed |  |  |
| S6-220597 | 3GPP authentication for the resource owner | NTT DOCOMO | postponed |  |  |
| S6-220598 | Solution #3 evaluation | NTT DOCOMO | revised |  | S6-220774 |
| S6-220599 | Solution #4 evaluation | NTT DOCOMO | revised |  | S6-220775 |
| S6-220600 | Overall evaluation | NTT DOCOMO | revised |  | S6-220776 |
| S6-220601 | FS\_eEDGEAPP the procedure for solution #11 EASs to invoke MEC services API using CAPIF | AsiaInfo Technologies Inc | withdrawn |  |  |
| S6-220602 | FS\_NSCALE\_evaluation of solution of communication service management exposure | HUAWEI TECHNOLOGIES Co. Ltd. | revised |  | S6-220812 |
| S6-220603 | FS\_NSCALE\_Update mapping of Solutions to Key Issues | HUAWEI TECHNOLOGIES Co. Ltd. | approved |  |  |
| S6-220604 | Application architecture enhancement of broadcast aspect | Huawei, Hisilicon | revised |  | S6-220825 |
| S6-220605 | Broadcast Message delivery procedure | Huawei, Hisilicon | revised |  | S6-220826 |
| S6-220606 | Charging architectural requirements | Huawei, Hisilicon | revised |  | S6-220827 |
| S6-220607 | Delete the example of the originator address in Table 8.11.5-1 | Huawei, Hisilicon | revised |  | S6-220828 |
| S6-220608 | Editoral corrections | Huawei, Hisilicon | revised |  | S6-220829 |
| S6-220609 | eEDGEAPP\_new KI on Enhancement of EES | China Mobile E-Commerce Co. | revised |  | S6-220832 |
| S6-220610 | Clarification of MC gateway UE selection | BDBOS, Nokia, Nokia Shanghai Bell, UIC | agreed |  |  |
| S6-220611 | Clarifications related to multi carrier support for MBS session creation and announcement | Ericsson | revised |  | S6-220759 |
| S6-220612 | Clarifications related to multi carrier support for MBS session update | Ericsson | revised |  | S6-220760 |
| S6-220613 | Update to service continuity procedure from an MBS session to 5G ProSe UE-to-network relay | Ericsson | revised |  | S6-220761 |
| S6-220614 | Update to service continuity procedure from 5G ProSe UE-to-network relay to an MBS session | Ericsson | revised |  | S6-220762 |
| S6-220615 | Requirements related to 5G ProSe Layer-3 relaying via N3IWF | Ericsson | revised |  | S6-220763 |
| S6-220616 | FS\_NSCALE\_evalution of solution of dynamic slice alignment | HUAWEI TECHNOLOGIES Co. Ltd., AsiaInfo | merged |  | S6-220585 |
| S6-220617 | FS\_NSCALE summary on Kis for NSCE | HUAWEI TECHNOLOGIES Co. Ltd. | noted |  |  |
| S6-220618 | Removal of Gate Control EN | Ericsson España S.A. | revised |  | S6-220859 |
| S6-220619 | pCR on introduction of general architecture requirements | BDBOS | approved |  |  |
| S6-220620 | pCR on introduction of user and group authorization requirements | BDBOS | approved |  |  |
| S6-220621 | Update the description for solution #11 EASs to invoke MEC services API using CAPIF | AsiaInfo Technologies Inc | postponed |  |  |
| S6-220622 | FS\_eEDGEAPP the procedure for solution #11 EASs to invoke MEC services API using CAPIF | AsiaInfo Technologies Inc | postponed |  |  |
| S6-220623 | pCR on Solution proposal for Key issue #17: Discovery of a common EAS | Apple GmbH | revised |  | S6-220834 |
| S6-220624 | S6-eDGEAPP\_Update Solution 8 | China Mobile E-Commerce Co. | revised |  | S6-220833 |
| S6-220625 | Pseudo-CR on new solution for CAPIF adaptation | Ericsson | approved |  |  |
| S6-220626 | Fix S-EAS decided ACR | Ericsson | revised |  | S6-220867 |
| S6-220627 | Solve EN in UE ID API | Ericsson | revised |  | S6-220866 |
| S6-220628 | ACR between CAS and EAS | Ericsson | revised |  | S6-220864 |
| S6-220629 | Common EAS selection solution | Ericsson | revised |  | S6-220869 |
| S6-220630 | Add CAPIF-11 | Ericsson | revised |  | S6-220862 |
| S6-220631 | Support simultaneous EAS Connectivity in ACR | Ericsson | revised |  | S6-220868 |
| S6-220632 | New KI Simultaneous EAS Connectivity in ACR | Ericsson | approved |  |  |
| S6-220633 | Application Server monitoring via CAPIF | Ericsson | revised |  | S6-220863 |
| S6-220634 | Reply LS on AF specific UE ID retrieval | SA6 | revised |  | S6-220865 |
| S6-220635 | S6-eEDGEAPP\_Solution for KI#1- Enhanced notification service to the EEC | China Mobile E-Commerce Co. | postponed |  |  |
| S6-220636 | bulk registration for constrained device over MSGin5G-6 reference point | China Mobile Com. Corporation | revised |  | S6-220781 |
| S6-220637 | Values and usage of Priority type | China Mobile Com. Corporation | revised |  | S6-220796 |
| S6-220638 | S6-eEDGEAPP\_Solution for KI#12- EEL service differentiation | China Mobile E-Commerce Co. | postponed |  |  |
| S6-220639 | message aggregation and segment | China Mobile Com. Corporation | revised |  | S6-220799 |
| S6-220640 | DP on potential topics and planned work | Lenovo Future Communications | noted |  |  |
| S6-220641 | Solution proposal for the configuration parameters required for Ad hoc group communication | Samsung | revised |  | S6-220802 |
| S6-220642 | Key Issue on API related analytics | Lenovo Future Communications | postponed |  |  |
| S6-220643 | update of MSGin5G group management | China Mobile Com. Corporation | revised |  | S6-220800 |
| S6-220644 | Key Issue on support for analytics related to slicing | Lenovo Future Communications | approved |  | - |
| S6-220645 | Key Issue on CAPIF enhancements | Lenovo Future Communications | postponed |  |  |
| S6-220646 | Key Issue on DN related energy analytics | Lenovo Future Communications | revised |  | S6-220860 |
| S6-220647 | Solution proposal for MC service server determining the participants list for ad hoc group communication | Samsung, Kontron Transportation France, Nokia, Nokia Shanghai Bell, FirstNet | revised |  | S6-220807 |
| S6-220648 | update of abbreviations | China Mobile Com. Corporation | revised |  | S6-220810 |
| S6-220649 | Solution to KI #1 - support for application performance analytics | Lenovo Future Communications | revised |  | S6-220819 |
| S6-220650 | Solution to KI #2 - support for edge analytics | Lenovo Future Communications | revised |  | S6-220820 |
| S6-220651 | Evaluation of solution #3 | Lenovo Future Communications | revised |  | S6-220815 |
| S6-220652 | Solution#8 update and evaluation | Lenovo Future Communications | revised |  | S6-220816 |
| S6-220653 | SEAL Notification Management service – Functional Model | Samsung, AT&T | revised |  | S6-220808 |
| S6-220654 | Solution to KI #2 - Support for USS re-mapping for a UAS | Lenovo Future Communications | revised |  | S6-220821 |
| S6-220655 | Discussion on fused location service architecture | CATT | withdrawn |  |  |
| S6-220656 | Pseudo-CR on solution#1 update | CATT | withdrawn |  |  |
| S6-220657 | Pseudo-CR on solution for supporting geo-fencing applications | CATT | withdrawn |  |  |
| S6-220658 | Pseudo-CR on update on solution #2 | CATT | withdrawn |  |  |
| S6-220659 | Pseudo-CR on solution for supporting location QoS | CATT | withdrawn |  |  |
| S6-220660 | Solution to KI #1 on VRU zone provisioning | Lenovo Future Communications | revised |  | S6-220817 |
| S6-220661 | Key Issue on trust enablement for automated V2X transactions | Lenovo Future Communications | postponed |  |  |
| S6-220662 | Minor essential corrections to TS 23.434 | Samsung | revised |  | S6-220809 |
| S6-220663 | Pseudo-CR on solution to KI#13 - Edge enabler layer support for EAS synchronization | Samsung | revised | S6-220186 | S6-220874 |
| S6-220664 | Pseudo-CR on solution to KI#3 | Samsung | revised | S6-220367 | S6-220875 |
| S6-220665 | Corrections to the use of MC service system | AT&T GNS Belgium SPRL | agreed |  |  |
| S6-220666 | Implicit registration handling in service continuity | Samsung | revised | S6-220366 | S6-220876 |
| S6-220667 | Discussion on fused location service architecture | CATT | noted |  |  |
| S6-220668 | Pseudo-CR on solution#1 update | CATT | revised |  | S6-220842 |
| S6-220669 | Pseudo-CR on solution for supporting geo-fencing applications | CATT | postponed |  | S6-220843 |
| S6-220670 | Pseudo-CR on update on solution #2 | CATT | revised |  | S6-220844 |
| S6-220671 | Pseudo-CR on solution for supporting location QoS | CATT | revised |  | S6-220845 |
| S6-220672 | Replay LS on query on EEC Registration Update procedure | Samsung Electronics Nordic AB | revised |  | S6-220877 |
| S6-220673 | Corrections to the use of MC service system | AT&T GNS Belgium SPRL | agreed |  |  |
| S6-220674 | Corrections to the use of MC service system | AT&T GNS Belgium SPRL | agreed |  |  |
| S6-220675 | Corrections to the use of MC service system | AT&T GNS Belgium SPRL | agreed |  |  |
| S6-220676 | Corrections to the use of MC service system | AT&T GNS Belgium SPRL | approved |  |  |
| S6-220677 | Update to EEC registration update procedure | Samsung Electronics Nordic AB | revised |  | S6-220878 |
| S6-220678 | MCPTT-5 for 5GS | AT&T GNS Belgium SPRL | approved |  |  |
| S6-220679 | 2024 Meeting Calendar | SA6 Chair | endorsed |  |  |
| S6-220680 | Chair or Qualcomm Input | Qualcomm Incorporated | noted |  |  |
| S6-220681 | Meetings Calls Discussion | SA6 Chair | noted |  |  |
| S6-220682 | Pseudo-CR on solution to KI#14 | Samsung Electronics Benelux BV | revised |  | S6-220846 |
| S6-220683 | 6.x NS Info delivery general | Samsung Electronics | revised |  | S6-220836 |
| S6-220684 | 6.x.1.2 NS Info delivery | Samsung Electronics | revised |  | S6-220837 |
| S6-220685 | 6.x.1.3 NS Info subscription | Samsung Electronics | revised |  | S6-220838 |
| S6-220686 | 6.x.1.4 NS Info Notify | Samsung Electronics | revised |  | S6-220839 |
| S6-220687 | 6.x.1.5 NS Info delivery in Registration phase | Samsung Electronics | revised |  | S6-220840 |
| S6-220688 | 6.x NS Allocation by VAL server | Samsung Electronics | revised |  | S6-220841 |
| S6-220689 | solution evaluation for solution 9 | Samsung | postponed |  |  |
| S6-220690 | Corrections in MBS UE session join notification | Samsung R&D Institute India/Kiran | agreed |  | - |
| S6-220691 | Small editorial corrections | Samsung R&D Institute India/Kiran | agreed |  | - |
| S6-220692 | Update to 5G MBS service announcement | Samsung R&D Institute India/Kiran | revised |  | S6-220766 |
| S6-220693 | Update to broadcast MBS sessions monitoring and the reception quality of the MBS session | Samsung R&D Institute India/Kiran | revised |  | S6-220767 |
| S6-220694 | EDGE-5 APIs | Qualcomm | revised |  | S6-220853 |
| S6-220695 | Federation and roaming | Qualcomm | revised |  | S6-220854 |
| S6-220696 | Linked EASs | Qualcomm | revised |  | S6-220855 |
| S6-220697 | UE identification with NAT | Qualcomm | revised |  | S6-220856 |
| S6-220698 | ECS configuration information | Qualcomm | revised |  | S6-220857 |
| S6-220699 | Reply LS on ECS provider identification in ECS address provisioning | Qualcomm | revised |  | S6-220858 |
| S6-220700 | Update to remotely initiated call request procedure to support pre-emptive or high priority and commencement mode | Samsung R&D Institute India/Kiran | revised |  | S6-220768 |
| S6-220701 | Added MC GW UnMapGroupToBearer request and response support | Samsung R&D Institute India/Kiran | agreed |  |  |
| S6-220702 | Corrections to EEC context and ACR | Huawei, Hisilicon | revised |  | S6-220905 |
| S6-220703 | Corrections for selected T-EAS declaration | Huawei, Hisilicon | revised |  | S6-220906 |
| S6-220704 | Corrections for incomplete functions of ECS and EDGE-6 | Huawei, Hisilicon | revised |  | S6-220907 |
| S6-220705 | Corrections to ACT status subscription and notification | Huawei, Hisilicon | revised |  | S6-220908 |
| S6-220706 | Sharing location information across VAL servers | Huawei, Hisilicon | revised |  | S6-220909 |
| S6-220707 | Usage of SEAL in FFAPP | Huawei, Hisilicon | revised |  | S6-220885 |
| S6-220708 | Deployment of FFAPP with Edge Enabler Layer | Huawei, Hisilicon | revised |  | S6-220886 |
| S6-220709 | Resolve the EN about architecture and reference alignment in clause 4.7.1 | Huawei, Hisilicon | agreed |  |  |
| S6-220710 | Resolve the EN in clause 5.2 | Huawei, Hisilicon | revised |  | S6-220910 |
| S6-220711 | Resolve the EN on SA4 aspect | Huawei, Hisilicon | revised |  | S6-220911 |
| S6-220712 | Discussion on Clarifications regarding SEALDD architecture | Huawei, Hisilicon | noted |  |  |
| S6-220713 | Update to KI #5: SEALDD enabled Data Storage | Huawei, Hisilicon | approved |  |  |
| S6-220714 | Update to SEALDD architecture for traffic flow description | Huawei, Hisilicon | revised | S6-220250 | S6-220912 |
| S6-220715 | Solution on KI#4: SEALDD integrating MSGin5G for message transfer | Huawei, Hisilicon | revised |  | S6-220890 |
| S6-220716 | Solution on KI#6: SEALDD server discovery and selection for specific EAS | Huawei, Hisilicon | revised |  | S6-220891 |
| S6-220717 | Solution on KI#7: SEALDD server discovery and selection for specific VAL server | Huawei, Hisilicon | revised |  | S6-220892 |
| S6-220718 | Enhancement to Solution on ACR scenario combination | Huawei, Hisilicon | revised |  | S6-220893 |
| S6-220719 | Key issue on EAS discovery in Edge Node sharing scenario | Huawei, Hisilicon | revised |  | S6-220894 |
| S6-220720 | Solution for EAS discovery in Edge Node sharing scenario | Huawei, Hisilicon | postponed |  |  |
| S6-220721 | Solution for selection of one common EAS for a group of Ues | Huawei, Hisilicon | revised |  | S6-220895 |
| S6-220722 | Solution for T-EAS discovery for linkage of AC with multiple EAS(s) | Huawei, Hisilicon | revised |  | S6-220896 |
| S6-220723 | Solution for T-EAS discovery in Edge Node sharing scenario | Huawei, Hisilicon | postponed |  |  |
| S6-220724 | Evaluation of solution #17 | Huawei, Hisilicon | revised |  | S6-220897 |
| S6-220725 | Evaluation of solution #19 | Huawei, Hisilicon | revised |  | S6-220898 |
| S6-220726 | Overall Evaluation of key issue#14 | Huawei, Hisilicon | revised |  | S6-220899 |
| S6-220727 | Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time | Huawei, Hisilicon | revised | S6-220418 | S6-220957 |
| S6-220728 | Evaluation of Solution#4 | Huawei, Hisilicon | revised |  | S6-220900 |
| S6-220729 | Evaluation of Solution#5 | Huawei, Hisilicon | revised |  | S6-220901 |
| S6-220730 | Evaluation of Solution #6 - ACR update in service continuity planning | Huawei, Hisilicon | approved |  |  |
| S6-220731 | Solution for ACR scenario selection for linkage EAS(s) | Huawei, Hisilicon | revised |  | S6-220902 |
| S6-220732 | Resolving location of ROAF in CAPIF | Huawei, Hisilicon | revised |  | S6-220903 |
| S6-220733 | Solution for V2X service deployment with Edge Enabler Layer | Huawei, Hisilicon | revised |  | S6-220904 |
| S6-220734 | Revised SID for Study on enhancements to application layer support for V2X services; Phase 2 | Huawei, Hisilicon | agreed |  |  |
| S6-220735 | Revised SID for Study on SEAL data delivery enabler for vertical application | Huawei, Hisilicon | agreed |  |  |
| S6-220736 | Pseudo-CR on Solution to KI#11 | Samsung | revised |  | S6-220870 |
| S6-220737 | Pseudo-CR on Solution to KI#17 | Samsung | revised |  | S6-220871 |
| S6-220738 | FS\_eEDGEAPP\_Work\_plan | Samsung | noted |  |  |
| S6-220739 | FS\_5GFLS\_Way\_forward | Samsung | noted |  |  |
| S6-220740 | Pseudo-CR on update to solution#3 | Samsung | revised |  | S6-220872 |
| S6-220741 | Pseudo-CR on Update to Solution #6 | Samsung | revised |  | S6-220873 |
| S6-220742 | update to solution 1 | Samsung | revised |  | S6-220879 |
| S6-220743 | New solution for enhancements to service continuity planning | KPN N.V., Ericsson | revised |  | S6-220861 |
| S6-220744 | Extended Architecture for ACR between EAS and CAS | KPN N.V. | merged |  | S6-220628 |
| S6-220745 | Data storage solution | Convida Wireless LLC | revised | S6-220550 | S6-220919 |
| S6-220746 | Reply LS on MEC Federation and interest to collaborate | Intel | revised | - | S6-220801 |
| S6-220747 | SA6 Meeting #48-e - Agenda with Tdocs allocation at start of the meeting | SA6 Chair | approved | S6-220485 | - |
| S6-220748 | Issues on usage of ACR with LADNs | InterDigital | revised | - | S6-220847 |
| S6-220749 | Minor essential corrections to TS 23.434 | Samsung | revised | - | S6-220935 |
| S6-220750 | LS on network slice LCM consumption and use cases | CATT | revised | - | S6-220792 |
| S6-220751 | Comparison of solutions for Common EAS Selection | Samsung | noted | - | - |
| S6-220752 | LS on PIN Application Server Discovery | InterDigital | revised | - | S6-220852 |
| S6-220753 | Clean-up of clause 11 specifying MC gateway UE support | Nokia, Nokia Shanghai Bell | agreed | S6-220523 | - |
| S6-220754 | Clarification regarding the protocol used on new reference points | Nokia, Nokia Shanghai Bell, UIC | agreed | S6-220524 | - |
| S6-220755 | Clarify the association between certain entities | Nokia, Nokia Shanghai Bell, UIC | agreed | S6-220525 | - |
| S6-220756 | Migration during an ongoing group communication | Nokia, Nokia Shanghai Bell, UIC | agreed | S6-220526 | - |
| S6-220757 | Migration during an ongoing private communication | Nokia, Nokia Shanghai Bell, UIC | postponed | S6-220527 | - |
| S6-220758 | Private call using functional alias towards a partner MC system | Nokia, Nokia Shanghai Bell, UIC | agreed | S6-220528 | - |
| S6-220759 | Clarifications related to multi carrier support for MBS session creation and announcement | Ericsson | agreed | S6-220611 | - |
| S6-220760 | Clarifications related to multi carrier support for MBS session update | Ericsson,Huawei | agreed | S6-220612 | - |
| S6-220761 | Update to service continuity procedure from an MBS session to 5G ProSe UE-to-network relay | Ericsson | agreed | S6-220613 | - |
| S6-220762 | Update to service continuity procedure from 5G ProSe UE-to-network relay to an MBS session | Ericsson, Samsung | agreed | S6-220614 | - |
| S6-220763 | Requirements related to 5G ProSe Layer-3 relaying via N3IWF | Ericsson | agreed | S6-220615 | - |
| S6-220764 | Corrections in MBS UE session join notification | Samsung R&D Institute India/Kiran | withdrawn | - | - |
| S6-220765 | Small editorial corrections | Samsung R&D Institute India/Kiran | withdrawn | - | - |
| S6-220766 | Update to 5G MBS service announcement | Samsung R&D Institute India/Kiran | agreed | S6-220692 | - |
| S6-220767 | Update to broadcast MBS sessions monitoring and the reception quality of the MBS session | Samsung R&D Institute India/Kiran | agreed | S6-220693 | - |
| S6-220768 | Update to remotely initiated call request procedure to support pre-emptive or high priority and commencement mode | Samsung R&D Institute India/Kiran | agreed | S6-220700 | - |
| S6-220769 | Updates on Solution #3 | Samsung | approved | S6-220565 | - |
| S6-220770 | Update Solution #12 | Samsung | revised | S6-220567 | S6-220951 |
| S6-220771 | Clarification on general description for Solution #3 | NTT DOCOMO | revised | S6-220593 | S6-220780 |
| S6-220772 | Functional model description to support 3rd party API providers with SNA | NTT DOCOMO | revised | S6-220594 | S6-220945 |
| S6-220773 | Obtaining resource owner consent in a cascade API invocation | NTT DOCOMO | revised | S6-220595 | S6-220944 |
| S6-220774 | Solution #3 evaluation | NTT DOCOMO | approved | S6-220598 | - |
| S6-220775 | Solution #4 evaluation | NTT DOCOMO | approved | S6-220599 | - |
| S6-220776 | Overall evaluation | NTT DOCOMO | approved | S6-220600 | - |
| S6-220777 | Update for key Issue 1 Ad hoc group communication | Kontron Transportation France, UIC, Nokia, Nokia Shanghai Bell, Samsung | approved | S6-220535 | - |
| S6-220778 | Pseudo-CR on Solution evaluation for solution 6: VAL server authorization and authentication via slice enabler layer | Huawei Tech.(UK) Co.. Ltd | withdrawn | S6-220520 | - |
| S6-220779 | Discussion on bulk registration over MSGin5G-6 | China Mobile Com. Corporation | noted | - | - |
| S6-220780 | Clarification on general description for Solution #3 | NTT DOCOMO | revised | S6-220771 | S6-220947 |
| S6-220781 | bulk registration for constrained device over MSGin5G-6 reference point | China Mobile Com. Corporation | revised | S6-220636 | S6-220939 |
| S6-220782 | application architecture updata | China Mobile (Suzhou) Software | revised | S6-220581 | S6-220941 |
| S6-220783 | Pseudo-CR on Solution evaluation for solution 6: VAL server authorization and authentication via slice enabler layer | Huawei Tech.(UK) Co.. Ltd | approved | S6-220520 | - |
| S6-220784 | architecture requirement update | China Mobile (Suzhou) Software | postponed | S6-220582 | - |
| S6-220785 | Identities and commonly used values | China Mobile (Suzhou) Software | revised | S6-220583 | S6-220942 |
| S6-220786 | overall evaluation | China Mobile (Suzhou) Software | approved | S6-220584 | - |
| S6-220787 | solution for KI 1 | China Mobile (Suzhou) Software | approved | S6-220586 | - |
| S6-220788 | Interaction between the centralized NSCE server and edge NSCE server | China Mobile (Suzhou) Software | postponed | S6-220587 | - |
| S6-220789 | solution evaluation for solution 6 | China Mobile (Suzhou) Software | withdrawn | - | - |
| S6-220790 | solution evaluation for solution 7 | China Mobile (Suzhou) Software | revised | S6-220589 | S6-220943 |
| S6-220791 | Correction of figure title in solution 3 | China Mobile (Suzhou) Software | approved | S6-220592 | - |
| S6-220792 | LS on network slice LCM consumption and use cases | CATT | revised | S6-220750 | S6-220932 |
| S6-220793 | FS\_NSCALE architectural requirements | AsiaInfo Technologies Inc | approved | S6-220578 | - |
| S6-220794 | network slice optimization based on AF policy | China Mobile (Suzhou) Software | postponed | S6-220579 | - |
| S6-220795 | Deployment models | China Mobile (Suzhou) Software | postponed | S6-220580 | - |
| S6-220796 | Values and usage of Priority type | China Mobile Com. Corporation | agreed | S6-220637 | - |
| S6-220797 | MC gateway UE – MC client disassociation procedure | Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell | agreed | S6-220499 | - |
| S6-220798 | Solution to KI #11 on application layer slice SLA alignment capability | AsiaInfo Technologies Inc,Huawei,CMCC | postponed | S6-220585 | - |
| S6-220799 | message aggregation and segment | China Mobile Com. Corporation | agreed | S6-220639 | - |
| S6-220800 | update of MSGin5G group management | China Mobile Com. Corporation | agreed | S6-220643 | - |
| S6-220801 | Reply LS on MEC Federation and interest to collaborate | Intel | revised | S6-220746 | S6-220931 |
| S6-220802 | Solution proposal for the configuration parameters required for Ad hoc group communication | Samsung | approved | S6-220641 | - |
| S6-220803 | Solution for KI#1 – Creation of PIN | vivo, Samung | revised | S6-220574 | S6-220973 |
| S6-220804 | Solution for KI#1 – Determination of the role: PEMC | vivo | postponed | S6-220575 | - |
| S6-220805 | New KI on service switch in PIN | vivo | approved | S6-220576 | - |
| S6-220806 | New KI on service continuity | vivo | revised | S6-220577 | S6-220974 |
| S6-220807 | Solution proposal for MC service server determining the participants list for ad hoc group communication | Samsung, Kontron Transportation France, Nokia, Nokia Shanghai Bell, FirstNet | approved | S6-220647 | - |
| S6-220808 | SEAL Notification Management service – Functional Model | Samsung, AT&T | postponed | S6-220653 | - |
| S6-220809 | Minor essential corrections to TS 23.434 | Samsung | revised | S6-220662 | S6-220934 |
| S6-220810 | update of abbreviations | China Mobile Com. Corporation | agreed | S6-220648 | - |
| S6-220811 | FS\_NSCALE\_Evaluation of Solution 10 | China Mobile (Hangzhou) Inf. | revised | S6-220566 | S6-220940 |
| S6-220812 | FS\_NSCALE\_evaluation of solution of communication service management exposure | HUAWEI TECHNOLOGIES Co. Ltd. | approved | S6-220602 | - |
| S6-220813 | Cleanups of the procedures for Solution #1 | InterDigital | revised | S6-220509 | S6-220964 |
| S6-220814 | Evaluation of Solution #1 | InterDigital | approved | S6-220516 | - |
| S6-220815 | Evaluation of solution #3 | Lenovo Future Communications | approved | S6-220651 | - |
| S6-220816 | Solution#8 update and evaluation | Lenovo Future Communications | approved | S6-220652 | - |
| S6-220817 | Solution to KI #1 on VRU zone provisioning | Lenovo Future Communications | revised | S6-220660 | S6-220971 |
| S6-220818 | Key Issue on support for analytics related to slicing | Lenovo Future Communications | withdrawn | - | - |
| S6-220819 | Solution to KI #1 - support for application performance analytics | Lenovo Future Communications | approved | S6-220649 | - |
| S6-220820 | Solution to KI #2 - support for edge analytics | Lenovo Future Communications | revised | S6-220650 | S6-220972 |
| S6-220821 | Solution to KI #2 - Support for USS re-mapping for a UAS | Lenovo Future Communications | approved | S6-220654 | - |
| S6-220822 | Update to solution #14 | InterDigital | postponed | S6-220541 | - |
| S6-220823 | Solution for KI#17 – Common EAS | InterDigital | revised | S6-220542 | S6-220954 |
| S6-220824 | Solution for KI#19 – ACR selection and coordination | InterDigital, Ericsson, Samsung | postponed | S6-220503 | - |
| S6-220825 | Application architecture enhancement of broadcast aspect | Huawei, Hisilicon | agreed | S6-220604 | - |
| S6-220826 | Broadcast Message delivery procedure | Huawei, Hisilicon | agreed | S6-220605 | - |
| S6-220827 | Charging architectural requirements | Huawei, Hisilicon | agreed | S6-220606 | - |
| S6-220828 | Delete the example of the originator address in Table 8.11.5-1 | Huawei, Hisilicon | agreed | S6-220607 | - |
| S6-220829 | Editoral corrections | Huawei, Hisilicon | agreed | S6-220608 | - |
| S6-220830 | S6-eEDGEAPP\_Solution for KI#5 | China Mobile E-Commerce Co. | revised | S6-220570 | S6-220958 |
| S6-220831 | S6-eEDGEAPP\_Update Solution #8 | China Mobile E-Commerce Co. | revised | S6-220572 | S6-220953 |
| S6-220832 | eEDGEAPP\_new KI on Enhancement of EES | China Mobile E-Commerce Co. | postponed | S6-220609 | - |
| S6-220833 | S6-eDGEAPP\_Update Solution 8 | China Mobile E-Commerce Co. | revised | S6-220624 | S6-220952 |
| S6-220834 | pCR on Solution proposal for Key issue #17: Discovery of a common EAS | Apple GmbH | revised | S6-220623 | S6-220955 |
| S6-220835 | Removal of the Editor's Note on dynamic EAS instantiation information | InterDigital, Samsung | agreed | S6-220504 | - |
| S6-220836 | 6.x NS Info delivery general | Samsung Electronics | postponed | S6-220683 | - |
| S6-220837 | 6.x.1.2 NS Info delivery | Samsung Electronics | postponed | S6-220684 | - |
| S6-220838 | 6.x.1.3 NS Info subscription | Samsung Electronics | postponed | S6-220685 | - |
| S6-220839 | 6.x.1.4 NS Info Notify | Samsung Electronics | postponed | S6-220686 | - |
| S6-220840 | 6.x.1.5 NS Info delivery in Registration phase | Samsung Electronics | postponed | S6-220687 | - |
| S6-220841 | 6.x NS Allocation by VAL server | Samsung Electronics | postponed | S6-220688 | - |
| S6-220842 | Pseudo-CR on solution#1 update | CATT | postponed | S6-220668 | - |
| S6-220843 | Pseudo-CR on solution for supporting geo-fencing applications | CATT | postponed | S6-220669 | - |
| S6-220844 | Pseudo-CR on update on solution #2 | CATT | revised | S6-220670 | S6-220949 |
| S6-220845 | Pseudo-CR on solution for supporting location QoS | CATT | revised | S6-220671 | S6-220950 |
| S6-220846 | Pseudo-CR on solution to KI#14 | Samsung Electronics Benelux BV | postponed | S6-220682 | - |
| S6-220847 | Issues on usage of ACR with LADNs | InterDigital | agreed | S6-220748 | - |
| S6-220848 | LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation | InterDigital | approved | S6-220506 | - |
| S6-220849 | Solution for KI#9 - Enhancement of dynamic EAS instantiation triggering | InterDigital, Ericsson, Samsung | postponed | S6-220505 | - |
| S6-220850 | LS on Issues using Application Context Relocation with Local Area Data Networks | InterDigital | postponed | S6-220518 | - |
| S6-220851 | New KI on PIN Application Server Discovery | InterDigital | approved | S6-220540 | - |
| S6-220852 | LS on PIN Application Server Discovery | InterDigital | approved | S6-220752 | - |
| S6-220853 | EDGE-5 APIs | Qualcomm | postponed | S6-220694 | - |
| S6-220854 | Federation and roaming | Qualcomm | postponed | S6-220695 | - |
| S6-220855 | Linked EASs | Qualcomm | revised | S6-220696 | S6-220959 |
| S6-220856 | UE identification with NAT | Qualcomm | revised | S6-220697 | S6-220960 |
| S6-220857 | ECS configuration information | Qualcomm, Nokia, Nokia Shanghai Bell | agreed | S6-220698 | - |
| S6-220858 | Reply LS on ECS provider identification in ECS address provisioning | Qualcomm | revised | S6-220699 | S6-220930 |
| S6-220859 | Removal of Gate Control EN | Ericsson España S.A. | revised | S6-220618 | S6-220937 |
| S6-220860 | Key Issue on DN related energy analytics | Lenovo Future Communications | postponed | S6-220646 | - |
| S6-220861 | New solution for enhancements to service continuity planning | KPN N.V., Ericsson | postponed | S6-220743 | - |
| S6-220862 | Change ROAF to AF | Ericsson | revised | S6-220630 | S6-220946 |
| S6-220863 | Application Server monitoring via CAPIF | Ericsson | revised | S6-220633 | S6-220948 |
| S6-220864 | ACR between CAS and EAS | Ericsson | approved | S6-220628 | - |
| S6-220865 | Reply LS on AF specific UE ID retrieval | SA6 | revised | S6-220634 | S6-220976 |
| S6-220866 | Solve EN in UE ID API | Ericsson | agreed | S6-220627 | - |
| S6-220867 | Fix S-EAS decided ACR | Ericsson | agreed | S6-220626 | - |
| S6-220868 | Support simultaneous EAS Connectivity in ACR | Ericsson | approved | S6-220631 | - |
| S6-220869 | Common EAS selection solution | Ericsson | postponed | S6-220629 | - |
| S6-220870 | Pseudo-CR on Solution to KI#11 | Samsung | revised | S6-220736 | S6-220961 |
| S6-220871 | Pseudo-CR on Solution to KI#17 | Samsung | postponed | S6-220737 | - |
| S6-220872 | Pseudo-CR on update to solution#3 | Samsung | postponed | S6-220740 | - |
| S6-220873 | Pseudo-CR on Update to Solution #6 | Samsung | approved | S6-220741 | - |
| S6-220874 | Pseudo-CR on solution to KI#13 - Edge enabler layer support for EAS synchronization | Samsung | postponed | S6-220663 | - |
| S6-220875 | Pseudo-CR on solution to KI#3 | Samsung | postponed | S6-220664 | - |
| S6-220876 | Implicit registration handling in service continuity | Samsung | revised | S6-220666 | S6-220933 |
| S6-220877 | Replay LS on query on EEC Registration Update procedure | Samsung Electronics Nordic AB | approved | S6-220672 | - |
| S6-220878 | Update to EEC registration update procedure | Samsung Electronics Nordic AB | agreed | S6-220677 | - |
| S6-220879 | update to solution 1 | Samsung | approved | S6-220742 | - |
| S6-220880 | Corrections to EEC context and ACR | Huawei, Hisilicon | withdrawn | - | - |
| S6-220881 | Corrections for selected T-EAS declaration | Huawei, Hisilicon | withdrawn | - | - |
| S6-220882 | Corrections for incomplete functions of ECS and EDGE-6 | Huawei, Hisilicon | withdrawn | - | - |
| S6-220883 | Corrections to ACT status subscription and notification | Huawei, Hisilicon | withdrawn | - | - |
| S6-220884 | Sharing location information across VAL servers | Huawei, Hisilicon | withdrawn | - | - |
| S6-220885 | Usage of SEAL in FFAPP | Huawei, Hisilicon | revised | S6-220707 | S6-220936 |
| S6-220886 | Deployment of FFAPP with Edge Enabler Layer | Huawei, Hisilicon | approved | S6-220708 | - |
| S6-220887 | Resolve the EN in clause 5.2 | Huawei, Hisilicon | withdrawn | - | - |
| S6-220888 | Resolve the EN on SA4 aspect | Huawei, Hisilicon | withdrawn | - | - |
| S6-220889 | Update to SEALDD architecture for traffic flow description | Huawei, Hisilicon | withdrawn | S6-220250 | - |
| S6-220890 | Solution on KI#4: SEALDD integrating MSGin5G for message transfer | Huawei, Hisilicon | revised | S6-220715 | S6-220969 |
| S6-220891 | Solution on KI#6: SEALDD server discovery and selection for specific EAS | Huawei, Hisilicon | postponed | S6-220716 | - |
| S6-220892 | Solution on KI#7: SEALDD server discovery and selection for specific VAL server | Huawei, Hisilicon | revised | S6-220717 | S6-220970 |
| S6-220893 | Enhancement to Solution on ACR scenario combination | Huawei, Hisilicon | postponed | S6-220718 | - |
| S6-220894 | Key issue on EAS discovery in Edge Node sharing scenario | Huawei, Hisilicon | revised | S6-220719 | S6-220978 |
| S6-220895 | Solution for selection of one common EAS for a group of Ues | Huawei, Hisilicon | postponed | S6-220721 | - |
| S6-220896 | Solution for T-EAS discovery for linkage of AC with multiple EAS(s) | Huawei, Hisilicon | postponed | S6-220722 | - |
| S6-220897 | Evaluation of solution #17 | Huawei, Hisilicon | revised | S6-220724 | S6-220963 |
| S6-220898 | Evaluation of solution #19 | Huawei, Hisilicon | postponed | S6-220725 | - |
| S6-220899 | Overall Evaluation of key issue#14 | Huawei, Hisilicon | revised | S6-220726 | S6-220966 |
| S6-220900 | Evaluation of Solution#4 | Huawei, Hisilicon | revised | S6-220728 | S6-220962 |
| S6-220901 | Evaluation of Solution#5 | Huawei, Hisilicon | revised | S6-220729 | S6-220956 |
| S6-220902 | Solution for ACR scenario selection for linkage EAS(s) | Huawei, Hisilicon | postponed | S6-220731 | - |
| S6-220903 | Resolving location of ROAF in CAPIF | Huawei, Hisilicon | postponed | S6-220732 | - |
| S6-220904 | Solution for V2X service deployment with Edge Enabler Layer | Huawei, Hisilicon | approved | S6-220733 | - |
| S6-220905 | Corrections to EEC context and ACR | Huawei, Hisilicon | postponed | S6-220702 | - |
| S6-220906 | Corrections for selected T-EAS declaration | Huawei, Hisilicon | agreed | S6-220703 | - |
| S6-220907 | Corrections for incomplete functions of ECS and EDGE-6 | Huawei, Hisilicon | agreed | S6-220704 | - |
| S6-220908 | Corrections to ACT status subscription and notification | Huawei, Hisilicon | agreed | S6-220705 | - |
| S6-220909 | Sharing location information across VAL servers | Huawei, Hisilicon | postponed | S6-220706 | - |
| S6-220910 | Resolve the EN in clause 5.2 | Huawei, Hisilicon | agreed | S6-220710 | - |
| S6-220911 | Resolve the EN on SA4 aspect | Huawei, Hisilicon | agreed | S6-220711 | - |
| S6-220912 | Update to SEALDD architecture for traffic flow description | Huawei, Hisilicon | revised | S6-220714 | S6-220968 |
| S6-220913 | Updates to architectural requirements for EAS Service APIs | ETRI, Uangel | approved | S6-220568 | - |
| S6-220914 | Solution #8 update: ENs and evaluation | ETRI, Uangel | approved | S6-220569 | - |
| S6-220915 | EAS selection synchronization at registration | Convida Wireless LLC | postponed | S6-220545 | - |
| S6-220916 | ECS Publish Discovery CAPIF | Convida Wireless LLC, Deutsche Telekom | postponed | S6-220546 | - |
| S6-220917 | AC Association aware EEC Registration | Convida Wireless LLC | revised | S6-220547 | S6-220977 |
| S6-220918 | Redundant transport solution | Convida Wireless LLC | revised | S6-220549 | S6-220965 |
| S6-220919 | Data storage solution | Convida Wireless LLC | revised | S6-220745 | S6-220967 |
| S6-220920 | UE API Invoker onboarding KI | Convida Wireless LLC | postponed | S6-220551 | - |
| S6-220921 | UE API Invoker onboarding solution | Convida Wireless LLC | postponed | S6-220552 | - |
| S6-220922 | RO registration via AF | Convida Wireless LLC | postponed | S6-220553 | - |
| S6-220923 | Enhanced API Invocation using RO consent | Convida Wireless LLC | postponed | S6-220554 | - |
| S6-220924 | KI1 Update UE triggered NS adaptation | Convida Wireless LLC | postponed | S6-220555 | - |
| S6-220925 | Data analytics enablement solution | Convida Wireless LLC | approved | S6-220557 | - |
| S6-220926 | Update FFA-2 based on notification | Convida Wireless LLC | postponed | S6-220543 | - |
| S6-220927 | Update FFA-2 based on service requirements | Convida Wireless LLC | postponed | S6-220544 | - |
| S6-220928 | UE activity pattern and monitoring solution | Convida Wireless LLC | postponed | S6-220558 | - |
| S6-220929 | Revised WID eSEAL2 update for FS\_ACE\_IoT | Convida Wireless LLC | postponed | S6-220561 | - |
| S6-220930 | Reply LS on ECS provider identification in ECS address provisioning | Qualcomm | approved | S6-220858 | - |
| S6-220931 | Reply LS on MEC Federation and interest to collaborate | Intel | approved | S6-220801 | - |
| S6-220932 | LS on network slice LCM consumption and use cases | CATT | approved | S6-220792 | - |
| S6-220933 | Implicit registration handling in service continuity | Samsung | agreed | S6-220876 | - |
| S6-220934 | Minor essential corrections to TS 23.434 | Samsung | agreed | S6-220809 | - |
| S6-220935 | Minor essential corrections to TS 23.434 | Samsung | agreed | S6-220749 | - |
| S6-220936 | Usage of SEAL in FFAPP | Huawei, Hisilicon | approved | S6-220885 | - |
| S6-220937 | Minor corrections on networkesource management for 5G TSC | Ericsson España S.A. | agreed | S6-220859 | - |
| S6-220938 | Minor corrections on network resource management for 5G TSC | Ericsson España S.A. | agreed | - | - |
| S6-220939 | bulk registration for constrained device over MSGin5G-6 reference point | China Mobile Com. Corporation | agreed | S6-220781 | - |
| S6-220940 | FS\_NSCALE\_Evaluation of Solution 10 | China Mobile (Hangzhou) Inf. | approved | S6-220811 | - |
| S6-220941 | application architecture updata | China Mobile (Suzhou) Software | approved | S6-220782 | - |
| S6-220942 | Identities and commonly used values | China Mobile (Suzhou) Software | approved | S6-220785 | - |
| S6-220943 | solution evaluation for solution 7 | China Mobile (Suzhou) Software | approved | S6-220790 | - |
| S6-220944 | Obtaining resource owner consent in a cascade API invocation | NTT DOCOMO | approved | S6-220773 | - |
| S6-220945 | Functional model description to support 3rd party API providers with SNA | NTT DOCOMO | approved | S6-220772 | - |
| S6-220946 | Change ROAF to AF | Ericsson | approved | S6-220862 | - |
| S6-220947 | Clarification on general description for Solution #3 | NTT DOCOMO | approved | S6-220780 | - |
| S6-220948 | Application Server monitoring via CAPIF | Ericsson | approved | S6-220863 | - |
| S6-220949 | Pseudo-CR on update on solution #2 | CATT | approved | S6-220844 | - |
| S6-220950 | Pseudo-CR on solution for supporting location QoS | CATT | approved | S6-220845 | - |
| S6-220951 | Update Solution #12 | Samsung | approved | S6-220770 | - |
| S6-220952 | S6-eDGEAPP\_Update Solution 8 | China Mobile E-Commerce Co. | approved | S6-220833 | - |
| S6-220953 | S6-eEDGEAPP\_Update Solution #8 | China Mobile E-Commerce Co. | approved | S6-220831 | - |
| S6-220954 | Solution for KI#17 – Common EAS | InterDigital | approved | S6-220823 | - |
| S6-220955 | pCR on Solution proposal for Key issue #17: Discovery of a common EAS | Apple GmbH | approved | S6-220834 | - |
| S6-220956 | Evaluation of Solution#5 | Huawei, Hisilicon | approved | S6-220901 | - |
| S6-220957 | Solution for KI#3 - Enhancements to service continuity planning with prediction expiration time | Huawei, Hisilicon | approved | S6-220727 | - |
| S6-220958 | S6-eEDGEAPP\_Solution for KI#5 | China Mobile E-Commerce Co. | approved | S6-220830 | - |
| S6-220959 | Linked EASs | Qualcomm | approved | S6-220855 | - |
| S6-220960 | UE identification with NAT | Qualcomm | approved | S6-220856 | - |
| S6-220961 | Pseudo-CR on Solution to KI#11 | Samsung | approved | S6-220870 | - |
| S6-220962 | Evaluation of Solution#4 | Huawei, Hisilicon | approved | S6-220900 | - |
| S6-220963 | Evaluation of solution #17 | Huawei, Hisilicon | approved | S6-220897 | - |
| S6-220964 | Cleanups of the procedures for Solution #1 | InterDigital | approved | S6-220813 | - |
| S6-220965 | Redundant transport solution | Convida Wireless LLC | approved | S6-220918 | - |
| S6-220966 | Overall Evaluation of key issue#14 | Huawei, Hisilicon | approved | S6-220899 | - |
| S6-220967 | Data storage solution | Convida Wireless LLC | approved | S6-220919 | - |
| S6-220968 | Update to SEALDD architecture for traffic flow description | Huawei, Hisilicon | approved | S6-220912 | - |
| S6-220969 | Solution on KI#4: SEALDD integrating MSGin5G for message transfer | Huawei, Hisilicon | approved | S6-220890 | - |
| S6-220970 | Solution on KI#7: SEALDD server discovery and selection for specific VAL server | Huawei, Hisilicon | approved | S6-220892 | - |
| S6-220971 | Solution to KI #1 on VRU zone provisioning | Lenovo Future Communications | approved | S6-220817 | - |
| S6-220972 | Solution to KI #2 - support for edge analytics | Lenovo Future Communications | approved | S6-220820 | - |
| S6-220973 | Solution for KI#1 – Creation of PIN | vivo, Samsung | approved | S6-220803 | - |
| S6-220974 | New KI on service continuity | vivo | approved | S6-220806 | - |
| S6-220975 | Network slice info delivery | Samsung | OPEN | - | - |
| S6-220976 | Reply LS on AF specific UE ID retrieval | SA6 | approved | S6-220865 | - |
| S6-220977 | AC Association aware EEC Registration | Convida Wireless LLC | approved | S6-220917 | - |
| S6-220978 | Key issue on EAS discovery in Edge Node sharing scenario | Huawei, Hisilicon | approved | S6-220894 | - |
| S6-220979 | SA6 Meeting #48-e - Chair's notes at end of the meeting | SA6 Chair | noted | S6-220486 | - |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S6-220499 | MC gateway UE – MC client disassociation procedure | Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell | 23.280 | 0311 | - | Rel-18 | B | MCGWUE | revised |
| S6-220797 | MC gateway UE – MC client disassociation procedure | Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell | 23.280 | 0311 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-220523 | Clean-up of clause 11 specifying MC gateway UE support | Nokia, Nokia Shanghai Bell | 23.280 | 0312 | - | Rel-18 | F | MCGWUE | revised |
| S6-220753 | Clean-up of clause 11 specifying MC gateway UE support | Nokia, Nokia Shanghai Bell | 23.280 | 0312 | 1 | Rel-18 | F | MCGWUE | agreed |
| S6-220524 | Clarification regarding the protocol used on new reference points | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0313 | - | Rel-18 | B | MCGWUE | revised |
| S6-220754 | Clarification regarding the protocol used on new reference points | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0313 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-220525 | Clarify the association between certain entities | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0314 | - | Rel-18 | B | MCGWUE | revised |
| S6-220755 | Clarify the association between certain entities | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0314 | 1 | Rel-18 | B | MCGWUE | agreed |
| S6-220526 | Migration during an ongoing group communication | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0315 | - | Rel-18 | B | IRail | revised |
| S6-220756 | Migration during an ongoing group communication | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0315 | 1 | Rel-18 | B | IRail | agreed |
| S6-220527 | Migration during an ongoing private communication | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0316 | - | Rel-18 | B | IRail | revised |
| S6-220757 | Migration during an ongoing private communication | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0316 | 1 | Rel-18 | B | IRail | postponed |
| S6-220528 | Private call using functional alias towards a partner MC system | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0317 | - | Rel-18 | B | IRail | revised |
| S6-220758 | Private call using functional alias towards a partner MC system | Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0317 | 1 | Rel-18 | B | IRail | agreed |
| S6-220610 | Clarification of MC gateway UE selection | BDBOS, Nokia, Nokia Shanghai Bell, UIC | 23.280 | 0318 | - | Rel-18 | B | MCGWUE | agreed |
| S6-220665 | Corrections to the use of MC service system | AT&T GNS Belgium SPRL | 23.280 | 0319 | - | Rel-18 | F | enh4MCPTT | agreed |
| S6-220701 | Added MC GW UnMapGroupToBearer request and response support | Samsung R&D Institute India/Kiran | 23.280 | 0320 | - | Rel-18 | B | MCGWUE | agreed |
| S6-220501 | MC gateway UE – MC client configuration necessary for MC server association and disassociation | Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell | 23.281 | 0161 | - | Rel-18 | B | MCGWUE | noted |
| S6-220502 | MC gateway UE – MC client configuration necessary for MC server association and disassociation | Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell | 23.282 | 0293 | - | Rel-18 | B | MCGWUE | noted |
| S6-220673 | Corrections to the use of MC service system | AT&T GNS Belgium SPRL | 23.282 | 0294 | - | Rel-18 | F | enh4MCPTT | agreed |
| S6-220674 | Corrections to the use of MC service system | AT&T GNS Belgium SPRL | 23.283 | 0061 | - | Rel-18 | F | enh4MCPTT | agreed |
| S6-220611 | Clarifications related to multi carrier support for MBS session creation and announcement | Ericsson | 23.289 | 0048 | - | Rel-18 | C | MCOver5MBS | revised |
| S6-220759 | Clarifications related to multi carrier support for MBS session creation and announcement | Ericsson | 23.289 | 0048 | 1 | Rel-18 | C | MCOver5MBS | agreed |
| S6-220612 | Clarifications related to multi carrier support for MBS session update | Ericsson | 23.289 | 0049 | - | Rel-18 | B | MCOver5MBS | revised |
| S6-220760 | Clarifications related to multi carrier support for MBS session update | Ericsson,Huawei | 23.289 | 0049 | 1 | Rel-18 | B | MCOver5MBS | agreed |
| S6-220613 | Update to service continuity procedure from an MBS session to 5G ProSe UE-to-network relay | Ericsson | 23.289 | 0050 | - | Rel-18 | C | MCOver5GProSe | revised |
| S6-220761 | Update to service continuity procedure from an MBS session to 5G ProSe UE-to-network relay | Ericsson | 23.289 | 0050 | 1 | Rel-18 | C | MCOver5GProSe | agreed |
| S6-220614 | Update to service continuity procedure from 5G ProSe UE-to-network relay to an MBS session | Ericsson | 23.289 | 0051 | - | Rel-18 | C | MCOver5GProSe | revised |
| S6-220762 | Update to service continuity procedure from 5G ProSe UE-to-network relay to an MBS session | Ericsson, Samsung | 23.289 | 0051 | 1 | Rel-18 | C | MCOver5GProSe | agreed |
| S6-220615 | Requirements related to 5G ProSe Layer-3 relaying via N3IWF | Ericsson | 23.289 | 0052 | - | Rel-18 | B | MCOver5GProSe | revised |
| S6-220763 | Requirements related to 5G ProSe Layer-3 relaying via N3IWF | Ericsson | 23.289 | 0052 | 1 | Rel-18 | B | MCOver5GProSe | agreed |
| S6-220675 | Corrections to the use of MC service system | AT&T GNS Belgium SPRL | 23.289 | 0053 | - | Rel-18 | F | enh4MCPTT | agreed |
| S6-220690 | Corrections in MBS UE session join notification | Samsung R&D Institute India/Kiran | 23.289 | 0054 | - | Rel-18 | F | MCOver5MBS | agreed |
| S6-220764 | Corrections in MBS UE session join notification | Samsung R&D Institute India/Kiran | 23.289 | 0054 | 1 | Rel-18 | F | MCOver5MBS | withdrawn |
| S6-220691 | Small editorial corrections | Samsung R&D Institute India/Kiran | 23.289 | 0055 | - | Rel-18 | D | MCOver5MBS | agreed |
| S6-220765 | Small editorial corrections | Samsung R&D Institute India/Kiran | 23.289 | 0055 | 1 | Rel-18 | D | MCOver5MBS | withdrawn |
| S6-220692 | Update to 5G MBS service announcement | Samsung R&D Institute India/Kiran | 23.289 | 0056 | - | Rel-18 | B | MCOver5MBS | revised |
| S6-220766 | Update to 5G MBS service announcement | Samsung R&D Institute India/Kiran | 23.289 | 0056 | 1 | Rel-18 | B | MCOver5MBS | agreed |
| S6-220693 | Update to broadcast MBS sessions monitoring and the reception quality of the MBS session | Samsung R&D Institute India/Kiran | 23.289 | 0057 | - | Rel-18 | F | MCOver5MBS | revised |
| S6-220767 | Update to broadcast MBS sessions monitoring and the reception quality of the MBS session | Samsung R&D Institute India/Kiran | 23.289 | 0057 | 1 | Rel-18 | F | MCOver5MBS | agreed |
| S6-220709 | Resolve the EN about architecture and reference alignment in clause 4.7.1 | Huawei, Hisilicon | 23.289 | 0058 | - | Rel-18 | F | MCOver5MBS | agreed |
| S6-220710 | Resolve the EN in clause 5.2 | Huawei, Hisilicon | 23.289 | 0059 | - | Rel-18 | C | MCOver5MBS | revised |
| S6-220910 | Resolve the EN in clause 5.2 | Huawei, Hisilicon | 23.289 | 0059 | 1 | Rel-18 | C | MCOver5MBS | agreed |
| S6-220711 | Resolve the EN on SA4 aspect | Huawei, Hisilicon | 23.289 | 0060 | - | Rel-18 | C | MCOver5MBS | revised |
| S6-220911 | Resolve the EN on SA4 aspect | Huawei, Hisilicon | 23.289 | 0060 | 1 | Rel-18 | C | MCOver5MBS | agreed |
| S6-220888 | Resolve the EN on SA4 aspect | Huawei, Hisilicon | 23.289 | 0062 | - | Rel-18 | C | MCOver5MBS | withdrawn |
| S6-220887 | Resolve the EN in clause 5.2 | Huawei, Hisilicon | 23.289 | 61 | - | Rel-18 | C | MCOver5MBS | withdrawn |
| S6-220500 | MC gateway UE – MC client configuration necessary for MC server association and disassociation | Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell | 23.379 | 0306 | - | Rel-18 | B | MCGWUE | noted |
| S6-220700 | Update to remotely initiated call request procedure to support pre-emptive or high priority and commencement mode | Samsung R&D Institute India/Kiran | 23.379 | 0307 | - | Rel-18 | B | enh4MCPTT | revised |
| S6-220768 | Update to remotely initiated call request procedure to support pre-emptive or high priority and commencement mode | Samsung R&D Institute India/Kiran | 23.379 | 0307 | 1 | Rel-18 | B | enh4MCPTT | agreed |
| S6-220618 | Removal of Gate Control EN | Ericsson España S.A. | 23.434 | 0095 | - | Rel-17 | F | eSEAL2 | revised |
| S6-220859 | Removal of Gate Control EN | Ericsson España S.A. | 23.434 | 0095 | 1 | Rel-17 | F | eSEAL2 | revised |
| S6-220937 | Minor corrections on networkesource management for 5G TSC | Ericsson España S.A. | 23.434 | 0095 | 2 | Rel-17 | F | eSEAL2 | agreed |
| S6-220653 | SEAL Notification Management service – Functional Model | Samsung, AT&T | 23.434 | 0096 | - | Rel-18 | B | eSEAL2 | revised |
| S6-220808 | SEAL Notification Management service – Functional Model | Samsung, AT&T | 23.434 | 0096 | 1 | Rel-18 | B | eSEAL2 | postponed |
| S6-220662 | Minor essential corrections to TS 23.434 | Samsung | 23.434 | 0097 | - | Rel-18 | F | eSEAL2 | revised |
| S6-220809 | Minor essential corrections to TS 23.434 | Samsung | 23.434 | 0097 | 1 | Rel-18 | A | eSEAL2 | revised |
| S6-220934 | Minor essential corrections to TS 23.434 | Samsung | 23.434 | 0097 | 2 | Rel-18 | A | eSEAL2 | agreed |
| S6-220706 | Sharing location information across VAL servers | Huawei, Hisilicon | 23.434 | 0098 | - | Rel-18 | B | eSEAL2 | revised |
| S6-220909 | Sharing location information across VAL servers | Huawei, Hisilicon | 23.434 | 0098 | 1 | Rel-18 | B | eSEAL2 | postponed |
| S6-220749 | Minor essential corrections to TS 23.434 | Samsung | 23.434 | 0099 | - | Rel-17 | F | eSEAL2 | revised |
| S6-220935 | Minor essential corrections to TS 23.434 | Samsung | 23.434 | 0099 | 1 | Rel-17 | F | eSEAL2 | agreed |
| S6-220938 | Minor corrections on network resource management for 5G TSC | Ericsson España S.A. | 23.434 | 0101 | - | Rel-18 | A | eSEAL2 | agreed |
| S6-220884 | Sharing location information across VAL servers | Huawei, Hisilicon | 23.434 | 100 | - | Rel-18 | B | eSEAL2 | withdrawn |
| S6-220604 | Application architecture enhancement of broadcast aspect | Huawei, Hisilicon | 23.554 | 0030 | - | Rel-18 | B | 5GMARCH\_Ph2 | revised |
| S6-220825 | Application architecture enhancement of broadcast aspect | Huawei, Hisilicon | 23.554 | 0030 | 1 | Rel-18 | B | 5GMARCH\_Ph2 | agreed |
| S6-220605 | Broadcast Message delivery procedure | Huawei, Hisilicon | 23.554 | 0031 | - | Rel-18 | B | 5GMARCH\_Ph2 | revised |
| S6-220826 | Broadcast Message delivery procedure | Huawei, Hisilicon | 23.554 | 0031 | 1 | Rel-18 | B | 5GMARCH\_Ph2 | agreed |
| S6-220606 | Charging architectural requirements | Huawei, Hisilicon | 23.554 | 0032 | - | Rel-18 | B | 5GMARCH\_Ph2 | revised |
| S6-220827 | Charging architectural requirements | Huawei, Hisilicon | 23.554 | 0032 | 1 | Rel-18 | B | 5GMARCH\_Ph2 | agreed |
| S6-220607 | Delete the example of the originator address in Table 8.11.5-1 | Huawei, Hisilicon | 23.554 | 0033 | - | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-220828 | Delete the example of the originator address in Table 8.11.5-1 | Huawei, Hisilicon | 23.554 | 0033 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-220608 | Editoral corrections | Huawei, Hisilicon | 23.554 | 0034 | - | Rel-18 | F | 5GMARCH\_Ph2 | revised |
| S6-220829 | Editoral corrections | Huawei, Hisilicon | 23.554 | 0034 | 1 | Rel-18 | F | 5GMARCH\_Ph2 | agreed |
| S6-220636 | bulk registration for constrained device over MSGin5G-6 reference point | China Mobile Com. Corporation | 23.554 | 0035 | - | Rel-18 | B | 5GMARCH\_Ph2 | revised |
| S6-220781 | bulk registration for constrained device over MSGin5G-6 reference point | China Mobile Com. Corporation | 23.554 | 0035 | 1 | Rel-18 | B | 5GMARCH\_Ph2 | revised |
| S6-220939 | bulk registration for constrained device over MSGin5G-6 reference point | China Mobile Com. Corporation | 23.554 | 0035 | 2 | Rel-18 | B | 5GMARCH\_Ph2 | agreed |
| S6-220637 | Values and usage of Priority type | China Mobile Com. Corporation | 23.554 | 0036 | - | Rel-18 | C | 5GMARCH\_Ph2 | revised |
| S6-220796 | Values and usage of Priority type | China Mobile Com. Corporation | 23.554 | 0036 | 1 | Rel-18 | C | 5GMARCH\_Ph2 | agreed |
| S6-220639 | message aggregation and segment | China Mobile Com. Corporation | 23.554 | 0037 | - | Rel-18 | C | 5GMARCH\_Ph2 | revised |
| S6-220799 | message aggregation and segment | China Mobile Com. Corporation | 23.554 | 0037 | 1 | Rel-18 | C | 5GMARCH\_Ph2 | agreed |
| S6-220643 | update of MSGin5G group management | China Mobile Com. Corporation | 23.554 | 0038 | - | Rel-18 | B | 5GMARCH\_Ph2 | revised |
| S6-220800 | update of MSGin5G group management | China Mobile Com. Corporation | 23.554 | 0038 | 1 | Rel-18 | B | 5GMARCH\_Ph2 | agreed |
| S6-220648 | update of abbreviations | China Mobile Com. Corporation | 23.554 | 0039 | - | Rel-17 | D | 5GMARCH | revised |
| S6-220810 | update of abbreviations | China Mobile Com. Corporation | 23.554 | 0039 | 1 | Rel-17 | D | 5GMARCH | agreed |
| S6-220530 | ECS provider ID correction | Nokia, Nokia Shanghai Bell | 23.558 | 0076 | 1 | Rel-17 | F | EDGEAPP | merged |
| S6-220666 | Implicit registration handling in service continuity | Samsung | 23.558 | 0083 | 2 | Rel-17 | F | EDGEAPP | revised |
| S6-220876 | Implicit registration handling in service continuity | Samsung | 23.558 | 0083 | 3 | Rel-17 | F | EDGEAPP | revised |
| S6-220933 | Implicit registration handling in service continuity | Samsung | 23.558 | 0083 | 4 | Rel-17 | F | EDGEAPP | agreed |
| S6-220504 | Removal of the Editor's Note on dynamic EAS instantiation information | InterDigital | 23.558 | 0089 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220835 | Removal of the Editor's Note on dynamic EAS instantiation information | InterDigital, Samsung | 23.558 | 0089 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-220626 | Fix S-EAS decided ACR | Ericsson | 23.558 | 0090 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220867 | Fix S-EAS decided ACR | Ericsson | 23.558 | 0090 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-220627 | Solve EN in UE ID API | Ericsson | 23.558 | 0091 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220866 | Solve EN in UE ID API | Ericsson | 23.558 | 0091 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-220677 | Update to EEC registration update procedure | Samsung Electronics Nordic AB | 23.558 | 0092 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220878 | Update to EEC registration update procedure | Samsung Electronics Nordic AB | 23.558 | 0092 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-220698 | ECS configuration information | Qualcomm | 23.558 | 0093 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220857 | ECS configuration information | Qualcomm, Nokia, Nokia Shanghai Bell | 23.558 | 0093 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-220702 | Corrections to EEC context and ACR | Huawei, Hisilicon | 23.558 | 0094 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220905 | Corrections to EEC context and ACR | Huawei, Hisilicon | 23.558 | 0094 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-220703 | Corrections for selected T-EAS declaration | Huawei, Hisilicon | 23.558 | 0095 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220906 | Corrections for selected T-EAS declaration | Huawei, Hisilicon | 23.558 | 0095 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-220704 | Corrections for incomplete functions of ECS and EDGE-6 | Huawei, Hisilicon | 23.558 | 0096 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220907 | Corrections for incomplete functions of ECS and EDGE-6 | Huawei, Hisilicon | 23.558 | 0096 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-220705 | Corrections to ACT status subscription and notification | Huawei, Hisilicon | 23.558 | 0097 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220908 | Corrections to ACT status subscription and notification | Huawei, Hisilicon | 23.558 | 0097 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-220748 | Issues on usage of ACR with LADNs | InterDigital | 23.558 | 0098 | - | Rel-17 | F | EDGEAPP | revised |
| S6-220847 | Issues on usage of ACR with LADNs | InterDigital | 23.558 | 0098 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-220881 | Corrections for selected T-EAS declaration | Huawei, Hisilicon | 23.558 | 100 | - | Rel-17 | F | EDGEAPP | withdrawn |
| S6-220882 | Corrections for incomplete functions of ECS and EDGE-6 | Huawei, Hisilicon | 23.558 | 101 | - | Rel-17 | F | EDGEAPP | withdrawn |
| S6-220883 | Corrections to ACT status subscription and notification | Huawei, Hisilicon | 23.558 | 102 | - | Rel-17 | F | EDGEAPP | withdrawn |
| S6-220880 | Corrections to EEC context and ACR | Huawei, Hisilicon | 23.558 | 99 | - | Rel-17 | F | EDGEAPP | withdrawn |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S6-220488 | S3-214337 | LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT | SA3 | noted | (none) |
| S6-220489 | S2-2201517 | Reply LS on MBS Service Area Identity and start procedure for broadcast service | SA2 | noted | (none) |
| S6-220490 | S4-220304 | LS on 5MBS User Services | SA4 | noted | (none) |
| S6-220491 | C3-221735 | LS on AF specific UE ID retrieval | CT3 | replied to | S6-220976 |
| S6-220492 | S1-220185 | Reply LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT | SA1 | noted | (none) |
| S6-220493 | S1-220186 | Reply LS on ad hoc group communication | SA1 | noted | (none) |
| S6-220494 | S2-2201721 | Reply LS on Further GSMA OPAG questions following SDO Workshop | SA2 | noted | (none) |
| S6-220495 | C1-222046 | LS on query on EEC Registration Update procedure | CT1 | replied to | S6-220877 |
| S6-220496 | S3-220571 | Reply LS on Further Operator Platform Group questions following SDO Workshop | SA3 | noted | (none) |
| S6-220497 | Presentation EUWENA March 2022 | LS on presentation of EUWENA and involvement in 3GPP on Non Public Network | EUWENA | noted | (none) |
| S6-220498 | R2-2204107 | Reply LS on maximum number of MBS sessions that can be associated to a PDU session | RAN2 | noted | (none) |
| S6-220511 | MEC(22)000127r5 | LS to 3GPP on MEC Federation and interest to collaborate | ETSI ISG MEC | replied to | S6-220931 |
| S6-220512 | SP-210003 | Reply LS to GSMA Operator Platform Group on edge computing definition and integration | SA | noted | (none) |
| S6-220513 | SP-220337 | LS on Text Proposal toward ITU-R draft Report ITU-R M.[IMT.INDUSTRY] | SA | noted | (none) |
| S6-220514 | SP-220346 | Reply LS to GSMA OPG on Further Operator Platform Group questions following SDO Workshop | SA | noted | (none) |
| S6-220515 | SP-220348 | Reply LS on provision of inputs to the online ITS communication standards database from ITU | SA | noted | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S6-220848 | LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation | SA5 | - | - |
| S6-220852 | LS on PIN Application Server Discovery | SA1 | - | - |
| S6-220877 | Replay LS on query on EEC Registration Update procedure | CT1 | - | S6-220495/C1-222046 |
| S6-220930 | Reply LS on ECS provider identification in ECS address provisioning | CT1, SA2 | CT3, CT4 | S6-220044/C1-220854 |
| S6-220931 | Reply LS on MEC Federation and interest to collaborate | ETSI ISG MEC | 3GPP SA, SA5, SA3, SA2, ETSI NFV, GSMA OPG, GSMA OPAG | S6-220511/MEC(22)000127r5 |
| S6-220932 | LS on network slice LCM consumption and use cases | SA5 | SA2, SA1 | - |
| S6-220976 | Reply LS on AF specific UE ID retrieval | CT3 | SA2, SA3 | S6-220491/C3-221735 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S6-220510 | Revised SID on Study on enhanced architecture for UAS Applications | SA6 | SID revised |
| S6-220734 | Revised SID for Study on enhancements to application layer support for V2X services; Phase 2 | Huawei, Hisilicon | SID revised |
| S6-220735 | Revised SID for Study on SEAL data delivery enabler for vertical application | Huawei, Hisilicon | SID revised |

## Annex E: List of draft Technical Specifications and Reports

N/A

## Annex F: List of action items

N/A

## Annex G: List of decisions

N/A

## Annex H: List of participants

|  |  |  |
| --- | --- | --- |
| Name | Representing | Status (OP) |
| ACHTER, Johannes | T-Mobile Polska S.A. | 3GPPMEMBER (ETSI) |
| AGHILI, Behrouz | Apple Portugal | 3GPPMEMBER (ETSI) |
| AHMAD, Saad | InterDigital, Europe, Ltd. | 3GPPMEMBER (ETSI) |
| ÅKESSON, Joakim | Oy LM Ericsson AB | 3GPPMEMBER (ETSI) |
| ALEKSIEV, Vasil | T-Mobile Austria GmbH | 3GPPMEMBER (ETSI) |
| ALHALASEH, Rana | Ericsson Inc. | 3GPPMEMBER (ATIS) |
| AMOGH, Niranth | Huawei Telecommunication India | 3GPPMEMBER (TSDSI) |
| AMURU, Saidhiraj | Indian Institute of Tech (H) | 3GPPMEMBER (TSDSI) |
| ARAVINDAKSHAN, Jishnu | Tejas Networks Ltd. | 3GPPMEMBER (TSDSI) |
| ASKERUP, Anders | Hewlett-Packard Enterprise | 3GPPMEMBER (ETSI) |
| AZEM, Dania | BDBOS | 3GPPMEMBER (ETSI) |
| BAI, kunai | TD Tech Ltd | 3GPPMEMBER (CCSA) |
| BALASUBRAMANIAN, Anusuya | CEWiT | 3GPPMEMBER (TSDSI) |
| BEICHT, Peter | Kontron Transportation France | 3GPPMEMBER (ETSI) |
| BERISOT, Thierry | NOVAMINT | 3GPPMEMBER (ETSI) |
| BHARDWAJ, Madhur | Bharti Airtel Limited | 3GPPMEMBER (TSDSI) |
| BOUAZIZI, Imed | Qualcomm Tech. Netherlands B.V | 3GPPMEMBER (ETSI) |
| BROSZEIT, Marco | Vodafone España SA | 3GPPMEMBER (ETSI) |
| CAMACHO, Cristina | Vodafone Romania S.A. | 3GPPMEMBER (ETSI) |
| CETINKAYA, Egemen | Verizon Denmark | 3GPPMEMBER (ETSI) |
| CHAMPEL, Mary-Luc | Beijing Xiaomi Electronics | 3GPPMEMBER (CCSA) |
| CHATER-LEA, David | Motorola Solutions Poland | 3GPPMEMBER (ETSI) |
| CHAUDHARI, Shashikant | Bharat Electronics Limited | 3GPPMEMBER (TSDSI) |
| CHEN, Jingran | Chongqing Angying | 3GPPMEMBER (CCSA) |
| CHEN, Ying | CHENGDU TD TECH LTD. | 3GPPMEMBER (CCSA) |
| CHENG, Hong | Qualcomm Technologies Int | 3GPPMEMBER (ETSI) |
| CHIBA, Tsunehiko | VIAVI Solutions | 3GPPMEMBER (ETSI) |
| CHITTURI, Suresh | Samsung Electronics Co., Ltd | 3GPPMEMBER (TTA) |
| CHOI, Sang Won | Kyonggi University | 3GPPMEMBER (TTA) |
| CHONG, vivian | VIVO TECH GmbH | 3GPPMEMBER (ETSI) |
| CHOU, Joey | Intel Korea, Ltd. | 3GPPMEMBER (TTA) |
| CONG, Shi | Dongguan OPPO Precision Elec. | 3GPPMEMBER (CCSA) |
| COVELL, Betsy | Nokia | 3GPPMEMBER (ATIS) |
| DAI, Mingzeng | Lenovo Mobile Com. Technology | 3GPPMEMBER (CCSA) |
| DAWES, Peter | Vodafone Ireland Plc | 3GPPMEMBER (ETSI) |
| DEWAELE, Jo | A.S.T.R.I.D. SA/NV | 3GPPMEMBER (ETSI) |
| DONG, Weiye | China Mobile M2M Company Ltd. | 3GPPMEMBER (CCSA) |
| DOU, Fenghui | Huawei Device Co., Ltd | 3GPPMEMBER (CCSA) |
| EITOKU, Haruka | NTT corporation | 3GPPMEMBER (ETSI) |
| ELAMANOV, Sherzod | SyncTechno, Inc. | 3GPPMEMBER (TTA) |
| FEATHERSTONE, Walter | Samsung R&D Institute UK | 3GPPMEMBER (ETSI) |
| FERDI, Samir | InterDigital, Europe, Ltd. | 3GPPMEMBER (ETSI) |
| FERNANDEZ, Susana | Ericsson Telecomunicazioni SpA | 3GPPMEMBER (ETSI) |
| FLANDER, Andreas | BDBOS | 3GPPMEMBER (ETSI) |
| FU, Jiadi | China Mobile (Hangzhou) Inf. | 3GPPMEMBER (CCSA) |
| GANTI, Radha Krishna | Indian Institute of Tech (M) | 3GPPMEMBER (TSDSI) |
| GAURAV, Gaurav Shukla | IIT Delhi | 3GPPMEMBER (TSDSI) |
| GE, Cuili | Huawei Technologies Japan K.K. | 3GPPMEMBER (TTC) |
| GKATZIKIS, Lazaros | Nokia Japan | 3GPPMEMBER (ARIB) |
| GUO, Boren | Hangzhou Mengyuxiang | 3GPPMEMBER (CCSA) |
| GUO, Jianchao | AsiaInfo | 3GPPMEMBER (CCSA) |
| GUO, Yi | Intel Belgium SA/NV | 3GPPMEMBER (ETSI) |
| GUPTA, Nishant | Qualcomm India Pvt Ltd | 3GPPMEMBER (TSDSI) |
| GUPTA, Vivek | Apple Gesellschaft m.b.H. | 3GPPMEMBER (ETSI) |
| HAIYAN, luo | Lenovo (Beijing) Ltd | 3GPPMEMBER (CCSA) |
| HALLENSTAL, Magnus | Ericsson GmbH, Eurolab | 3GPPMEMBER (ETSI) |
| HAN, Andrew Min-gyu | Hansung University | 3GPPMEMBER (TTA) |
| HOLMSTRÖM, Tomas | Ericsson Japan K.K. | 3GPPMEMBER (ARIB) |
| HONG, Sungpyo | KT Corp. | 3GPPMEMBER (TTA) |
| HU, Yajie | Huawei Technologies France | 3GPPMEMBER (ETSI) |
| HU, Yue | China Mobile International Ltd | 3GPPMEMBER (CCSA) |
| INOUE, Yoshihiro | NTT Advanced Technology Corpor | 3GPPMEMBER (TTC) |
| JANKY, William | FirstNet | 3GPPMEMBER (ATIS) |
| JHA, Pranav | IIT Bombay | 3GPPMEMBER (TSDSI) |
| JIA, Xiaoqian | HUAWEI TECHNOLOGIES Co. Ltd. | 3GPPMEMBER (ETSI) |
| JIAN, Zhang | Huawei Technologies R&D UK | 3GPPMEMBER (ETSI) |
| JIAO, Jerry | CALTTA | 3GPPMEMBER (CCSA) |
| KAPALE, Kiran | Samsung R&D Institute India | 3GPPMEMBER (TSDSI) |
| KARAMPATSIS, Dimitrios | Motorola Mobility UK Ltd. | 3GPPMEMBER (ETSI) |
| KEDALAGUDDE, Meghashree D | Intel Corporation SAS | 3GPPMEMBER (ETSI) |
| KILGOUR, Kit | Sepura Ltd | 3GPPMEMBER (ETSI) |
| KIM, Hyesung | Samsung Electronics Czech | 3GPPMEMBER (ETSI) |
| KIM, Hyunsook | LG Electronics Inc. | 3GPPMEMBER (TTA) |
| KIM, Jaewoo | LG Electronics France | 3GPPMEMBER (ETSI) |
| KIM, Laeyoung | LG Electronics UK | 3GPPMEMBER (ETSI) |
| KIM, Seokjung | LG Electronics Polska | 3GPPMEMBER (ETSI) |
| KIM, Sunghoon | Qualcomm Korea | 3GPPMEMBER (TTA) |
| KIM, Sunhee | LG Electronics Deutschland | 3GPPMEMBER (ETSI) |
| KIM, Wonjung | LG Uplus | 3GPPMEMBER (TTA) |
| KITO, Takatsugu | KDDI Corporation | 3GPPMEMBER (TTC) |
| KOLEKAR, Abhijeet | Intel | 3GPPMEMBER (ATIS) |
| KUMAR, Lalith | Samsung Guangzhou Mobile R&D | 3GPPMEMBER (CCSA) |
| KUNZ, Andreas | Motorola Mobility España SA | 3GPPMEMBER (ETSI) |
| LAIR, Yannick | Nokia Corporation | 3GPPMEMBER (ETSI) |
| LAZARA, Dominic | Motorola Solutions Germany | 3GPPMEMBER (ETSI) |
| LEE, Cheolung | Samsung Electronics Benelux BV | 3GPPMEMBER (ETSI) |
| LEE, DongJin | SK Telecom | 3GPPMEMBER (TTA) |
| LEE, Seung-Ik | ETRI | 3GPPMEMBER (TTA) |
| LEI, Ao | HiSilicon Technologies Co. Ltd | 3GPPMEMBER (CCSA) |
| LEVINE, Anatoli | Softil Ltd | 3GPPMEMBER (ETSI) |
| LI, Chenyi | Unicompay | 3GPPMEMBER (CCSA) |
| LI, Meng | HUAWEI TECH. GmbH | 3GPPMEMBER (ETSI) |
| LI, YiMeng | CMDI | 3GPPMEMBER (CCSA) |
| LIANG, Haoran | Xiaomi Communications | 3GPPMEMBER (CCSA) |
| LIBUNAO, Gerardo | Verizon UK Ltd | 3GPPMEMBER (ETSI) |
| LIN, Lin | China Unicom | 3GPPMEMBER (CCSA) |
| LIU, Andy(Di) | Hytera Communications Corp. | 3GPPMEMBER (CCSA) |
| LIU, Jianning(Carry) | Beijing Xiaomi Software Tech | 3GPPMEMBER (CCSA) |
| LIU, Yue | China Mobile Com. Corporation | 3GPPMEMBER (CCSA) |
| LU, Wei | Xiaomi Technology | 3GPPMEMBER (CCSA) |
| LU, Yang | Vodafone Telekomünikasyon A.S. | 3GPPMEMBER (ETSI) |
| LUETZENKIRCHEN, Thomas | Intel Deutschland GmbH | 3GPPMEMBER (ETSI) |
| LYU, Huazhang | vivo Mobile Communication (H) | 3GPPMEMBER (CCSA) |
| M VAMANAN, Sudeep | Apple Hungary Kft. | 3GPPMEMBER (ETSI) |
| MA, Limeng | AsiaInfo Technologies Inc | 3GPPMEMBER (ETSI) |
| MA, Ruitao | Unicom Broadband Online | 3GPPMEMBER (CCSA) |
| MARIOTTE, Hubert | Orange | 3GPPMEMBER (ETSI) |
| MARTINEZ TARRADELL, Marta | Intel Corporation Italia SpA | 3GPPMEMBER (ETSI) |
| MATTSSON, Bernt | ETSI | 3GPPORG\_REP (ETSI) |
| MCCANN, Matt | Oracle Corporation | 3GPPMEMBER (ETSI) |
| MELLIES, Renaud | MINISTERE DE L'INTERIEUR | 3GPPMEMBER (ETSI) |
| MILLER, James | InterDigital, Inc. | 3GPPMEMBER (ETSI) |
| MINOKUCHI, Atsushi | DOCOMO Beijing Labs | 3GPPMEMBER (CCSA) |
| MLADIN, Catalina | Convida Wireless | 3GPPMEMBER (ETSI) |
| MONNES, Peter | Peraton Labs | 3GPPMEMBER (ATIS) |
| MONRAD, Atle | InterDigital Communications | 3GPPMEMBER (ATIS) |
| MUSTAPHA, Mona | Apple France | 3GPPMEMBER (ETSI) |
| NAIR, Suresh | Nokia UK | 3GPPMEMBER (ETSI) |
| NAKANO, Yusuke | KDDI Corporation | 3GPPMEMBER (ARIB) |
| NANJUNDA SWAMY, Satish | Reliance Jio | 3GPPMEMBER (TSDSI) |
| NATARAJAN, Rajesh Babu | Nokia Denmark | 3GPPMEMBER (ETSI) |
| NAYAK, Ashok Kumar | Harman GmbH | 3GPPMEMBER (ETSI) |
| NEIRA, Elena | MITRE Corporation | 3GPPMEMBER (ETSI) |
| NERLIKAR, Rohit | Motorola Solutions UK Ltd. | 3GPPMEMBER (ETSI) |
| NIANG, Mamadou M. | Verizon Spain | 3GPPMEMBER (ETSI) |
| NORTON, Mark | U.S. Department of Defense | 3GPPMEMBER (ATIS) |
| OETTL, Martin | Nokia Germany | 3GPPMEMBER (ETSI) |
| OLSSON, Magnus | Ericsson Hungary Ltd | 3GPPMEMBER (ETSI) |
| OPRESCU, Val | AT&T | 3GPPMEMBER (ATIS) |
| PADEBETTU, Venkatesh | Juniper Networks | 3GPPMEMBER (ATIS) |
| PALAT, Sudeep | Intel Corporation (UK) Ltd | 3GPPMEMBER (ETSI) |
| PANCORBO MARCOS, Maria Belen | Ericsson-LG Co., LTD | 3GPPMEMBER (TTA) |
| PARAMBATH SASI, NIvedya | SAMSUNG R&D INSTITUTE JAPAN | 3GPPMEMBER (ARIB) |
| PARK, Sungjin | Samsung Electronics Polska | 3GPPMEMBER (ETSI) |
| PATEL, Ashish Singh | IIT Delhi | 3GPPMEMBER (TSDSI) |
| PATEROMICHELAKIS, Emmanouil | Lenovo Future Communications | 3GPPMEMBER (CCSA) |
| PATTAN, Basavaraj (Basu) | Samsung Electronics GmbH | 3GPPMEMBER (ETSI) |
| PESONEN, Tero | Erillisverkot | 3GPPMEMBER (ETSI) |
| POZO, Sergio | VODAFONE Group Plc | 3GPPMEMBER (ETSI) |
| PUDNEY, Chris | Vodafone Italia SpA | 3GPPMEMBER (ETSI) |
| PURKAYASTHA, Debashish | InterDigital, Inc. | 3GPPMEMBER (ETSI) |
| QUERIO, Roberto | TELECOM ITALIA S.p.A. | 3GPPMEMBER (ETSI) |
| RAJADURAI, Rajavelsamy | Samsung Electronics Romania | 3GPPMEMBER (ETSI) |
| RAJENDRAN, Rohini | Samsung Research America | 3GPPMEMBER (ATIS) |
| RAMAMOORTHY, Arunprasath | Samsung Electronics France SA | 3GPPMEMBER (ETSI) |
| RAMANAN, Sivasubramaniam | HOME OFFICE | 3GPPMEMBER (ETSI) |
| RAMASETTY, Prakash | C-DOT | 3GPPMEMBER (TSDSI) |
| RAVINDRAN, Parthasarathi | Nokia Belgium | 3GPPMEMBER (ETSI) |
| REN, Chi | CITC | 3GPPMEMBER (CCSA) |
| REZAGAH, Roya | Huawei Technologies Sweden AB | 3GPPMEMBER (ETSI) |
| ROSSBACH, Ralf | Apple Europe Limited | 3GPPMEMBER (ETSI) |
| ROY, Vijay Kumar | Department of Telecom | 3GPPMEMBER (TSDSI) |
| RYU, Jinsook | Dish Network | 3GPPMEMBER (ATIS) |
| S, Vijay | BEIJING SAMSUNG TELECOM R&D | 3GPPMEMBER (CCSA) |
| SABATER, Susana | Vodafone GmbH | 3GPPMEMBER (ETSI) |
| SAHA, Anindya | Saankhya Labs | 3GPPMEMBER (TSDSI) |
| SALKINTZIS, Apostolis | Motorola Mobility France S.A.S | 3GPPMEMBER (ETSI) |
| SÄLLBERG, Krister | L.M. Ericsson Limited | 3GPPMEMBER (ETSI) |
| SANDERS, Peter | one2many B.V. | 3GPPMEMBER (ETSI) |
| SAVAGLIO, Frank | Telstra Corporation Limited | 3GPPMEMBER (ETSI) |
| SEDLACEK, Ivo | Nanjing Ericsson Panda Com Ltd | 3GPPMEMBER (CCSA) |
| SHAH, Sapan | Samsung Electronics Nordic AB | 3GPPMEMBER (ETSI) |
| SHAILENDRA, Samar | Intel Technology India Pvt Ltd | 3GPPMEMBER (TSDSI) |
| SHAN, Changhong | Intel China Ltd. | 3GPPMEMBER (CCSA) |
| SHAO, Weixiang | ZTE Corporation | 3GPPMEMBER (CCSA) |
| SHEN, Yang | Beijing Xiaomi Mobile Softwar | 3GPPMEMBER (CCSA) |
| SHI, Xiaohui | China Mobile E-Commerce Co. | 3GPPMEMBER (CCSA) |
| SHIFERAW, Yonatan | KPN N.V. | 3GPPMEMBER (ETSI) |
| SHIH, Jerry | AT&T GNS Belgium SPRL | 3GPPMEMBER (ETSI) |
| SOLOWAY, Alan | Qualcomm Incorporated | 3GPPMEMBER (ATIS) |
| STARSINIC, Michael | InterDigital France R&D, SAS | 3GPPMEMBER (ETSI) |
| STOJANOVSKI, Saso | Intel Finland Oy | 3GPPMEMBER (ETSI) |
| SU, Zijian | Huawei Tech.(UK) Co.. Ltd | 3GPPMEMBER (ETSI) |
| SUZUKI, Yuji | NTT DOCOMO INC. | 3GPPMEMBER (TTC) |
| SZABO, Aron | Ericsson España S.A. | 3GPPMEMBER (ETSI) |
| TAMURA, Toshiyuki | NEC Corporation | 3GPPMEMBER (TTC) |
| TANG, Tingfang | Beijing Lenovo Software Ltd. | 3GPPMEMBER (CCSA) |
| TANGUDU, Narendranath Durga | Samsung Electronics Iberia SA | 3GPPMEMBER (ETSI) |
| TENNETI, Sreedhar | Bharat Electronics Limited | 3GPPMEMBER (TSDSI) |
| THIEBAUT, Laurent | Nokia France | 3GPPMEMBER (ETSI) |
| TIWARI, Kundan | NEC Corporation | 3GPPMEMBER (ARIB) |
| TOMINAGA, Takeshi | NTT DOCOMO INC. | 3GPPMEMBER (ARIB) |
| TONESI, Dario Serafino | QUALCOMM Europe Inc. - Italy | 3GPPMEMBER (ETSI) |
| TOOBE, Jens | BDBOS | 3GPPMEMBER (ETSI) |
| TRAKINAT, Jean | T-Mobile USA Inc. | 3GPPMEMBER (ATIS) |
| TSUJIKAWA, Toru | NTT | 3GPPMEMBER (TTC) |
| VELEV, Genadi | Motorola Mobility Germany GmbH | 3GPPMEMBER (ETSI) |
| VERWEIJ, Kees | Netherlands Police | 3GPPMEMBER (ETSI) |
| VIALEN, Jukka | Airbus | 3GPPMEMBER (ETSI) |
| WANG, Han | HuaWei Technologies Co., Ltd | 3GPPMEMBER (CCSA) |
| WANG, Wen | vivo Mobile Com. (Chongqing) | 3GPPMEMBER (CCSA) |
| WANG, Yaxin | Huawei Technologies (Korea) | 3GPPMEMBER (TTA) |
| WANG, Zhaoning | CUG | 3GPPMEMBER (CCSA) |
| WEI, QUN | BTPDI | 3GPPMEMBER (CCSA) |
| WELLS, Derek | L3Harris Technologies | 3GPPMEMBER (ATIS) |
| WENDLER, Ingo | Union Inter. Chemins de Fer | 3GPPMEMBER (ETSI) |
| WON, Sung Hwan | Nokia Korea | 3GPPMEMBER (TTA) |
| WOODWARD, Tim | Motorola Solutions Danmark A/S | 3GPPMEMBER (ETSI) |
| WU, Jinhua | Beijing Xiaomi Mobile Software | 3GPPMEMBER (ETSI) |
| XING, TianQi | CU Digital Technology | 3GPPMEMBER (CCSA) |
| XIONG, Chunshan | CICT | 3GPPMEMBER (CCSA) |
| XU, Wenliang | Ericsson Limited | 3GPPMEMBER (ETSI) |
| XU, Yang | OPPO Beijing | 3GPPMEMBER (CCSA) |
| XUE, Kaixin | CBN | 3GPPMEMBER (CCSA) |
| YANG, Anqi | CBN | 3GPPMEMBER (CCSA) |
| YANG, Yanmei | Huawei Device Co., Ltd | 3GPPMEMBER (CCSA) |
| YAO, Ge | VSENS | 3GPPMEMBER (CCSA) |
| YAO, Qi | HUAWEI Technologies Japan K.K. | 3GPPMEMBER (ARIB) |
| YAO, Yizhi | Intel Technology Poland SP Zoo | 3GPPMEMBER (ETSI) |
| YOUN, Myungjune | LG Electronics Finland | 3GPPMEMBER (ETSI) |
| YU, Hang | vivo Communication Technology | 3GPPMEMBER (CCSA) |
| ZAUS, Robert | Apple GmbH | 3GPPMEMBER (ETSI) |
| ZHANG, Congchi | Lenovo Information Technology | 3GPPMEMBER (CCSA) |
| ZHANG, Pengfei | vivo Mobile Communication (S) | 3GPPMEMBER (CCSA) |
| ZHANG, Yizhong | vivo Mobile Communication Co., | 3GPPMEMBER (CCSA) |
| ZHANG, Zhuoyun | Tencent Cloud | 3GPPMEMBER (CCSA) |
| ZHAO, Shuai | Intel Sweden AB | 3GPPMEMBER (ETSI) |
| ZHENG, Shaowen | China Mobile (Suzhou) Software | 3GPPMEMBER (CCSA) |
| ZHU, Chunhui | Beijing Xiaomi Electronics | 3GPPMEMBER (CCSA) |

## Annex I: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Title** | **Start date** | **End date (OP)** | **Town** | **Country** | **Reference** |
| 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 |
| 3GPPSA6#52-bis | 16/01/2023 | 20/01/2023 | TBC |  | S6-52-bis |
| 3GPPSA6#53 | 27/02/2023 | 03/03/2023 | Europe, TBC |  | S6-53 |
| 3GPPSA6#54 | 17/04/2023 | 21/04/2023 | North America, TBC |  | S6-54 |
| 3GPPSA6#55 | 22/05/2023 | 26/05/2023 | Asia, TBC |  | S6-55 |
| 3GPPSA6#56 | 21/08/2023 | 25/08/2023 | Europe, TBC |  | S6-56 |
| 3GPPSA6#57 | 09/10/2023 | 13/10/2023 | Asia, TBC |  | S6-57 |
| 3GPPSA6#58 | 13/11/2023 | 17/11/2023 | North America, TBC |  | S6-58 |