**3GPP TSG-SA WG6 Meeting #45-bis-e S6-212181**

**e-meeting, 11th – 19th October 2021**

Source: MCC

Title: SA6 Meeting 45-e report

Agenda Item: 3

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*Abstract: Meeting report of 3GPP SA6 meeting #45-e*

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

 **Meeting Report
for
TSG SA WG6
meeting: #45-e**

**e-meeting, n/a, 25/08/2021 to 03/09/2021**

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## 1 Opening of the meeting

### 1.1 IPR and antitrust policy reminders

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

**IPR Call Reminder:**

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

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

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

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

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

**Antitrust declaration:**

The chair of the meeting made the following antitrust declaration:

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

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

The chair reminded delegates to register for the meeting.

## 2 Agenda and Chairman’s notes

**S6-211861 SA6 Meeting 45-e Agenda**

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

**Abstract:**

Agenda for the SA6#45-e meeting

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

**S6-211863 SA6 Meeting #45-e - Agenda with Tdocs allocation after submission deadline**

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

**Abstract:**

The SA6#45-e meeting agenda with Tdocs allocation after submission deadline

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

**S6-211864 SA6 Meeting #45-e - Agenda with Tdocs allocation at start of the meeting**

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

**Abstract:**

The SA6#45-e meeting agenda with Tdocs allocation at the start of the meeting

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

**S6-211865 SA6 Meeting #45-e - Chair's notes at end of the meeting**

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

**Abstract:**

Chairman's notes at end of the SA6#45-e meeting

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

## 3 Report from previous meetings

**S6-211862 SA6 Meeting 44-e Report**

 *Type: report For: Approval
 Source: MCC*

**Abstract:**

The report of the SA6#44-e meeting.

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

## 4 Liaison statements

### 4.1 Incoming LSs

**S6-211866 LS on information about draft Recommendation ITU-T Y.frd: Framework and Requirements of Network-oriented Data Integrity Verification Service based on Blockchain in Future Network**

 *Type: LS in For: Action
 Original outgoing LS: SG13-LS212, to ITU-T SG17, 3GPP SA6, cc -
 Source: ITU-T SG13 Working Party 3/13*

**Discussion:**

There was discussion on how to best respond to the LS if at all.

Qualcomm noted that one way would be for SA6 inform how best to liaise with 3GPP, based on the fact that SA1 is responsible for the requirements.

TMUS suggested forwarding the LS to appropriate WGs in 3GPP (SA1 and SA3).

China Unicom noted that the LS is related to potential new SA6 SID on data integrity but was of the opinion that no response from SA6 was required at this moment.

Qualcomm

Motorola Solutions suggested simply MCC to forward the LS to SA1 and SA3.

Finally it was decided to postpone the LS and action MCC to forward the LS to SA, SA1 and SA3.

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

**S6-212042 Reply LS on work split for MBSF and MBSTF definition**

 *Type: LS in For: Information
 Original outgoing LS: S4-211292, to SA2, cc SA6, CT4
 Source: SA4*

**Abstract:**

1. Overall Description:

SA4 thanks SA2 for the response on the work split for MBSF and MBSTF. SA4 has already started to define the MBS User Service aspects. The work item (link) was approved last SA plenary meeting and SA4 has a first meeting processing first contributions.

The definition of the MBS User Services also includes the service-related definition of the stage 2 for MBSF and MBSTF, including call flows for Nmb2. However, the specification has not yet progressed so far.

The new MBS User Services are specified in TS 26.502. https://www.3gpp.org/DynaReport/26502.htm

2. Actions:

To SA2:

ACTION: SA4 asks SA2 to take the above information into account. SA4 will update SA2 on the progress of the stage 2 work.

**Discussion:**

Ericsson presented the LS available as S6-212042.

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

**S6-212043 LS on 5G capabilities exposure for factories of the future**

 *Type: LS in For: Information
 Original outgoing LS: S2-2106683, to SA, cc SA1, SA3, SA5, SA6, CT3
 Source: SA2*

**Abstract:**

1. Overall Description:

SA2 have discussed the 5G ACIA LS S2-2105229 and its companion white paper.

SA2 informs SA plenary that:

a. Some requirements of 5G\_ACIA whitepaper on 5G capabilities exposure for factories of the future are already satisfied by SA2 WIDs (i.e. Rel-15 5GS\_Ph1, Rel-16 Vertical\_LAN, Rel-17 IIOT and eNPN) while some are not.

b. 3GPP is working on SA2 Rel-18 scope, i.e. which study and work items with their respective objectives will be part of release 18. Which study and work items will finally be part of Release 18 scope depends very much on the respective support by individual 3GPP members.

Therefore, SA2 would also like remind 5G-ACIA that individual members need to directly engage in the related SA2 activities in order to increase likelihood that ACIA requirements will be covered.

2. Actions:

To TSG SA:

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

**Discussion:**

Nokia presented the LS available as S6-212043.

It was noted that SA6 had already responded their response on this topic and hence SA should be in position to collect and prepare a complete reply.

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

**S6-212044 LS response on MSGin5G store-and-forward clarifications**

 *Type: LS in For: Action
 Original outgoing LS: S1-213208, to -, cc -
 Source: SA1*

**Abstract:**

1 . Overall description

SA1 thanks SA6 for the LS (S6-211831) on “MSGin5G store-and-forward clarifications”. SA1 would like to provide the following clarifications.

Regarding question a) on TS 22.262 [R-5.1.2-005]: Can the sender provide per-message information that can be leveraged for store-and-forwarding? If yes, what information should the sender provide to control the message handling (e.g. an indication of whether the message can be buffered, how long the message is valid, or a priority of the message)?

SA1 answer: Yes, the sender may provide per-message information, such as indication of whether the message can be buffered or how long the message is valid. SA1 does not have enough information on what priority represents and cannot provide guidance on its inclusion. SA1 has added a new requirement [R-5.1.2-009] for the store and forward feature specified in [R-5.1.2-005] in the attached CR.

Regarding question b) on TS 22.262 [R-5.1.2-005]: Can the receiver pre-configure information (e.g. preference to opt in/out) about store-and-forward?

SA1 answer: A preference to opt in/out the store and forward feature may be provided. It is an architectural decision whether or not the receiver can pre-configure other information about store-and-forward.

Regarding upcoming SA1 work related to store-and-forward feature.

There is currently no additional work in SA1 related to store-and-forward for MSGin5G.

**Discussion:**

Convida presented the LS during the CC#5.

AT&T suggested discussing the S6-211904.

BDBOS made the remark whether not there was a need for another CR (now only one provided).

Convida explained that there was no need for a CR for the second solution mentioned in the LS.

Noted during the final call.

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

### 4.2 Outgoing LSs

**S6-211988 Reply LS on RAT type for network monitoring**

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

**Discussion:**

CATT presented the draft LS available as S6-211988.

Some typos were pointed out like "agreed agreed".

**Decision:** The document was **revised to S6-212068**.

**S6-212068 Reply LS on RAT type for network monitoring**

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

(Replaces S6-211988)

**Discussion:**

Reviewed during the final call.

The only change is to removing reference to SA3 from the actions.

Revision pre-approved.

**Decision:** The document was **revised to S6-212146**.

**S6-212146 Reply LS on RAT type for network monitoring**

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

(Replaces S6-212068)

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

**S6-211867 Reply LS to ITU SG13 LS on information about draft Recommendation ITU-T Y.frd: "Framework and Requirements of Network- oriented Data Integrity Verification Service based on Blockchain in Future Network”**

 *Type: LS out For: Information
 to ITU-T SG13, cc 3GPP SA1,ITU-T SG17,3GPP SA
 Source: China Unicom*

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

## 5 Items for early consideration

### 5.1 Working Agreements / Technical Votes

Technical Vote at SA6#45-e

- Option A – S6-211860

- Option B – S6-211761

Question 1: Do you support Option A in S6-211860 (or subsequent revisions)?

Question 2: Do you support Option B in S6-211761 (or subsequent revisions)?

NOTE: Revised versions, if any, corresponding to the two options shall be uploaded to 3GU before the SA6#45-e Tdoc submission deadline.

Voting period: August 30th, Monday, 18:00 UTC – August 31st, Tuesday, 12:00 UTC (18 hours)

The chairman explained the process for the planned technical vote.

There was discussion how to deal with possible revisions of the currently proposed documents for the technical votes e.g. S6-212024.

Qualcomm suggested to hold a call on Friday 27th Aug 15:00-15:30 UTC to confirm whether consensus on a single solution has been found or the planned technical votes are needed and which documents will finally be voted on.

The proposal for a formal call on Friday was agreed.

The discussion on the topic continued during the formal conference call Friday 27th.

Huawei presented S6-212024\_rev2.

FirstNet indicated they still thought the vote was needed. They did not agree with changing the MCPTT group ID to preconfigured MCPTT group ID as it would not be backward compatible.

Home Office suggested trying a completely clean design for Rel-18.

Motorola Solutions agreed with the views of FirstNet and Home Office and noted that the current proposals were just turning in circles. Furthermore, they suggested the document on ballot, for question 1, should be the original S6-212024 or S6-211860.

It was finally agreed that S6-212024 would appear on the ballot (as question 1/option A), instead of S6-211860. As a result, the S6-212024 was considered endorsed. The contribution for question/option B remained as per S6-211761.

The results of the two technical votes were as follows:

The detailed results were the following:

Below are the direct links to the3GU with details of the two above votes:

- <https://portal.3gpp.org/VotingTool/Vote/DetailList/1056>

- <https://portal.3gpp.org/VotingTool/Vote/DetailList/1057>

### 5.2 Others

none

## 6 Rel-16 Work Items

none

## 7 Rel-17 Work Items

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

none

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

none

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

**S6-211933 Motivation for enhancements for MC service UE label**

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

**Abstract:**

This discussion paper recaps the current situation for MC service UE label and provides additional info of how to proceed.

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

**S6-211882 Clarifications for Location management PLUS NEW enhancements for MC service UE label**

 *Type: CR For: Agreement
 23.280 v17.7.0 CR-0293 rev 1 Cat: F (Rel-17)

 Source: BDBOS*

(Replaces S6-211519)

**Abstract:**

This CR provides some potential error corrections for clause 10.9 Location management.

And, new with Rev-1, adds enhancements for MC service UE label.

**Decision:** The document was **revised to S6-212062**.

**S6-212062 Clarifications for Location management PLUS NEW enhancements for MC service UE label**

 *Type: CR For: Agreement
 23.280 v17.7.0 CR-0293 rev 2 Cat: F (Rel-17)

 Source: BDBOS*

(Replaces S6-211882)

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

**S6-212024 Update to the temporary group call regrouping procedures**

 *Type: CR For: Agreement
 23.379 v17.7.0 CR-0295 rev 3 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-211860)

**Abstract:**

Proposal for Update to the temporary group call regrouping procedures

**Discussion:**

Huawei presented the document S6-212024 a potential revision of S6-211860 to be considered for either avoiding the technical vote or potential new document for the technical vote.

FirstNet made a remark that not all changes were shown in the document i.e. the proposal is now back to a proposal few meeting back.

Discussion to continue over the email reflector.

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

**S6-212136 Update to the temporary group call regrouping procedures**

 *Type: CR For: Agreement
 23.379 v17.7.0 CR-0295 rev 4 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212024)

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

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

**S6-211883 Notification URL correction**

 *Type: CR For: Agreement
 23.282 v17.7.0 CR-0282 Cat: F (Rel-17)

 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Notification URL correction

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

**S6-211884 Clarify the supports of stored and forward functionality**

 *Type: CR For: Agreement
 23.282 v17.7.0 CR-0283 Cat: F (Rel-17)

 Source: AT&T GNS Belgium SPRL*

**Abstract:**

Clarify the supports of stored and forward functionality

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

**S6-211929 Correction of preconditions and statements related to storing of MCData communication into Message store**

 *Type: CR For: (not specified)
 23.282 v17.7.0 CR-0284 Cat: F (Rel-17)

 Source: Samsung*

**Decision:** The document was **revised to S6-212083**.

**S6-212083 Correction of preconditions and statements related to storing of MCData communication into Message store**

 *Type: CR For: -
 23.282 v17.7.0 CR-0284 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-211929)

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

**S6-211930 Removal of deposit file indication from MCData FD request using HTTP**

 *Type: CR For: (not specified)
 23.282 v17.7.0 CR-0285 Cat: F (Rel-17)

 Source: Samsung*

**Decision:** The document was **revised to S6-212081**.

**S6-212081 Removal of deposit file indication from MCData FD request using HTTP**

 *Type: CR For: -
 23.282 v17.7.0 CR-0285 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-211930)

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

**S6-211931 clarifying the lossless communication**

 *Type: CR For: (not specified)
 23.282 v17.7.0 CR-0286 Cat: F (Rel-17)

 Source: Samsung*

**Decision:** The document was **revised to S6-212085**.

**S6-212085 clarifying the lossless communication**

 *Type: CR For: -
 23.282 v17.7.0 CR-0286 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-211931)

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

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

none

### 7.6 EDGEAPP - Architecture for enabling Edge Applications

**S6-211898 Supporting IP Address to GPSI conversion when NAT is present.**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0025 Cat: F (Rel-17)

 Source: Qualcomm Incorporated*

**Abstract:**

Add UE Public IP Address and Port and Private IP Address and Port to EEC registration message to the EES.

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

**S6-211909 Resolving the editor’s note on the use of SBA terminology**

 *Type: CR For: Approval
 23.558 v17.0.0 CR-0026 Cat: F (Rel-17)

 Source: ETRI, Uangel*

**Abstract:**

This CR proposes to modify the clause 6.2 to resolve the editor's note on the use of SBA terminology.

**Discussion:**

ETRI presented the contribution during CC#4.

Huawei indicated they did not support the proposal.

**Decision:** The document was **revised to S6-212052**.

**S6-212052 Resolving the editor’s note on the use of SBA terminology**

 *Type: CR For: Approval
 23.558 v17.0.0 CR-0026 rev 1 Cat: F (Rel-17)

 Source: ETRI, Uangel*

(Replaces S6-211909)

**Decision:** The document was **revised to S6-212147**.

**S6-212147 Resolving the editor’s note on the use of SBA terminology**

 *Type: CR For: Approval
 23.558 v17.0.0 CR-0026 rev 2 Cat: F (Rel-17)

 Source: ETRI, Uangel*

(Replaces S6-212052)

**Discussion:**

Rev1 agreed during the closing call.

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

**S6-211923 Resolve EN on AC Profile Parameter Ranges IE**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0027 Cat: F (Rel-17)

 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-212119**.

**S6-212119 Resolve EN on AC Profile Parameter Ranges IE**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0027 rev 1 Cat: F (Rel-17)

 Source: Convida Wireless LLC*

(Replaces S6-211923)

**Discussion:**

During the closing call, only change to Rev1 is replacing "Both Minimum AC Service KPI" with "Both Minimum required AC Service KPI".

**Decision:** The document was **revised to S6-212148**.

**S6-212148 Resolve EN on AC Profile Parameter Ranges IE**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0027 rev 2 Cat: F (Rel-17)

 Source: Convida Wireless LLC*

(Replaces S6-212119)

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

**S6-211942 Update on ECS configuration information**

 *Type: CR For: (not specified)
 23.558 v17.0.0 CR-0029 Cat: F (Rel-17)

 Source: Samsung*

**Decision:** The document was **revised to S6-212050**.

**S6-212050 Update on ECS configuration information**

 *Type: CR For: -
 23.558 v17.0.0 CR-0029 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-211942)

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

**S6-211947 Corrections to references, descriptions, and clause title of TS 23.558**

 *Type: CR For: Approval
 23.558 v17.0.0 CR-0030 Cat: F (Rel-17)

 Source: ETRI, Uangel*

**Decision:** The document was **revised to S6-212053**.

**S6-212053 Corrections to references, descriptions, and clause title of TS 23.558**

 *Type: CR For: Approval
 23.558 v17.0.0 CR-0030 rev 1 Cat: F (Rel-17)

 Source: ETRI, Uangel*

(Replaces S6-211947)

**Discussion:**

Changes to the coversheet of Rev1.

**Decision:** The document was **revised to S6-212150**.

**S6-212150 Corrections to references, descriptions, and clause title of TS 23.558**

 *Type: CR For: Approval
 23.558 v17.0.0 CR-0030 rev 2 Cat: F (Rel-17)

 Source: ETRI, Uangel*

(Replaces S6-212053)

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

**S6-211969 EEC context relocation**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0008 rev 3 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-211836)

**Decision:** The document was **revised to S6-212090**.

**S6-212090 EEC context relocation**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0008 rev 4 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-211969)

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

**S6-211970 ENs in clause 6.2**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0032 Cat: F (Rel-17)

 Source: Samsung*

**Abstract:**

The contribution proposes removing the editor's notes in clause 6.2 and introducing the following NOTE, pointing to clause 6.3.4 for different deployment options for the ECS:

NOTE: Different deployment choices for ECS are captured in clause 6.3.4.

**Discussion:**

Samsung presented the contribution during CC#4.

It was pointed out that this TDoc overlaps slightly with S6-211909.

Huawei indicated they did not support the proposal.

**Decision:** The document was **revised to S6-212091**.

**S6-212091 ENs in clause 6.2**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0032 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-211970)

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

**S6-211971 GPSI format**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0033 Cat: F (Rel-17)

 Source: Samsung*

**Decision:** The document was **revised to S6-212092**.

**S6-212092 GPSI format**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0033 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-211971)

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

**S6-211972 ECS info in UE subscription data**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0034 Cat: F (Rel-17)

 Source: Samsung*

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

**S6-211973 Overlap between ACR scenarios**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0035 Cat: F (Rel-17)

 Source: Samsung*

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

**S6-211974 ACR preconditions for EEC**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0036 Cat: F (Rel-17)

 Source: Samsung*

**Decision:** The document was **revised to S6-212093**.

**S6-212093 ACR preconditions for EEC**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0036 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-211974)

**Discussion:**

Rev2 was reviewed during the closing call and agreed to.

**Decision:** The document was **revised to S6-212149**.

**S6-212149 ACR preconditions for EEC**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0036 rev 2 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-212093)

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

**S6-211975 ENs on service continuity planning**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0037 Cat: F (Rel-17)

 Source: Samsung*

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

**S6-211976 Failure of EEC executed ACR via T-EES**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0038 Cat: F (Rel-17)

 Source: Samsung*

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

**S6-211977 Corrections to ACR launching procedure**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0039 Cat: F (Rel-17)

 Source: Samsung*

**Decision:** The document was **revised to S6-212094**.

**S6-212094 Corrections to ACR launching procedure**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0039 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-211977)

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

**S6-211978 Corrections to T-EES discovery**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0040 Cat: F (Rel-17)

 Source: Samsung*

**Decision:** The document was **revised to S6-212095**.

**S6-212095 Corrections to T-EES discovery**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0040 rev 1 Cat: F (Rel-17)

 Source: Samsung*

(Replaces S6-211978)

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

**S6-211979 SA3 references**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0041 Cat: F (Rel-17)

 Source: Samsung*

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

**S6-211998 ACR cancellation support**

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

**Abstract:**

Discussion on ACR cancellation support

**Discussion:**

Huawei presented the contribution during CC#4.

The presentation was further discussed during CC#9.

Ericsson was of the view that this can well be dealt with in Rel-18.

Motorola Solutions noted that one should differentiate between features that are broken and those that have not been specified. They did not see this proposal would need to be specified in Rel-17.

Huawei was of the view the proposed feature was essential for Rel-17.

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

**S6-211999 Cancellation Support in ACR**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0042 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Cancellation Support in ACR

**Discussion:**

Huawei presented the contribution during CC#4.

**Decision:** The document was **revised to S6-212123**.

**S6-212123 Cancellation Support in ACR**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0042 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-211999)

**Discussion:**

Rev1 was discussed during the closing call.

Samsung suggested replacing ACR with ACT and adding "Termination of ACT results in cancellation of ACR. " in Note 5.

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

**S6-212000 ACR identification**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0043 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for ACR identification

**Decision:** The document was **revised to S6-212124**.

**S6-212124 ACR identification**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0043 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212000)

**Discussion:**

Postponed during closing call.

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

**S6-212001 Provide EES endpoint in ACR request to enable EEC context relocation during ACR**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0044 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Provide EES endpoint in ACR request to enable EEC context relocation during ACR

**Decision:** The document was **revised to S6-212125**.

**S6-212125 Provide EES endpoint in ACR request to enable EEC context relocation during ACR**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0044 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212001)

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

**S6-212002 Correction on ACR information notification**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0045 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction on ACR information notification

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

**S6-212003 Correction on ACR information subscription request**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0046 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction on ACR information subscription request

**Discussion:**

Huawei presented the document during CC#6.

Samsung raised some concern of the proposal to clause 8.8.3.7.

**Decision:** The document was **revised to S6-212126**.

**S6-212126 Correction on ACR information subscription request**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0046 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212003)

**Discussion:**

Rev1, Rev1(2), Rev1(3) and Rev4 were discussed during the closing call.

Discussion revolved around rev4.

Finally Samsung suggested postponing the contribution for having more time to evaluate.

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

**S6-212004 Correction on roaming scenario for ECS discovery**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0047 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction on roaming scenario for ECS discovery

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

**S6-212005 Resolving the mismatch of selected ACR scenario between EEC and EAS**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0048 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

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

**Discussion:**

Huawei presented draft rev1 during CC#9.

Qualcomm did not see a need for this solution but did not object as it was optional.

**Decision:** The document was **revised to S6-212127**.

**S6-212127 Resolving the mismatch of selected ACR scenario between EEC and EAS**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0048 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212005)

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

**S6-212006 Resolving EN about AutomatedACR terminology**

 *Type: CR For: Agreement
 23.558 v17.0.0 CR-0024 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-211669)

**Abstract:**

Proposal for Resolving EN about AutomatedACR terminology

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

**S6-211940 Remove editor's note for AC information subscription request**

 *Type: CR For: (not specified)
 23.558 v17.0.0 CR-0028 Cat: F (Rel-17)

 Source: Samsung*

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

**S6-211948 Corrections to references and title of clause 4.8**

 *Type: CR For: Approval
 23.558 v17.0.0 CR-0031 Cat: F (Rel-17)

 Source: ETRI, Uangel*

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

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

**S6-212035 Corrections to network monitoring procedures**

 *Type: CR For: Agreement
 23.286 v17.2.0 CR-0070 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Corrections to network monitoring procedures

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

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

**S6-212025 Correction to the UAV ID assignment assumption**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0008 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to the UAV ID assignment assumption

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

**S6-212026 Correction to add the missing reference of UUAA 5GC procedure**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0009 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to add the missing reference of UUAA 5GC procedure

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

**S6-212027 Correction to the UAV application message information flow**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0010 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to the UAV application message information flow

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

**S6-212028 Correction to the input and output of Notify C2 communication mode switching operation**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0011 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to the input and output of Notify C2 communication mode switching operation

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

**S6-212029 Correction to add the missing API operation for C2 operation mode configuration complete notification**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0012 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to add the missing API operation for C2 operation mode configuration complete notification

**Decision:** The document was **revised to S6-212137**.

**S6-212137 Correction to add the missing API operation for C2 operation mode configuration complete notification**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0012 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212029)

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

**S6-212030 Correction about IP address use as UAV ID**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0013 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction about IP address use as UAV ID

**Decision:** The document was **revised to S6-212138**.

**S6-212138 Correction about IP address use as UAV ID**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0013 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212030)

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

**S6-212031 Correction to the usage of UAS ID**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0014 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to the usage of UAS ID

**Decision:** The document was **revised to S6-212139**.

**S6-212139 Correction to the usage of UAS ID**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0014 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212031)

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

**S6-212032 Correction to the C2 operation mode switching confirmation**

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

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to the C2 operation mode switching confirmation

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

**S6-212033 Correction to add the missing UAE layer registration procedure**

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

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Correction to add the missing UAE layer registration procedure

**Decision:** The document was **revised to S6-212140**.

**S6-212140 Correction to add the missing UAE layer registration procedure**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0016 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212033)

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

**S6-212034 Resolving the editor's note regarding usage of realtime UAV status**

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

 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Resolving the editor's note regarding usage of realtime UAV status

**Decision:** The document was **revised to S6-212141**.

**S6-212141 Resolving the editor's note regarding usage of realtime UAV status**

 *Type: CR For: Agreement
 23.255 v17.0.1 CR-0017 rev 1 Cat: F (Rel-17)

 Source: Huawei, Hisilicon*

(Replaces S6-212034)

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

## 8 Rel-17 Work Items with Exception

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

**S6-211961 Support for TSC services procedures**

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

 Source: Ericsson LM*

**Abstract:**

TR 23.745 Solution #22 incorporates SEAL support for TSN and 5G native TSC services. It is applicable for other vertical applications as well.

It is proposed to use that solution for enhancing TS 23.434 NRM function.

**Discussion:**

Ericsson presented the contribution during CC#2.

**Decision:** The document was **revised to S6-212097**.

**S6-212097 Support for TSC services procedures**

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

 Source: Ericsson LM*

(Replaces S6-211961)

**Discussion:**

Rev1 reviewed during closing call and agreed.

**Decision:** The document was **revised to S6-212151**.

**S6-212151 Support for TSC services procedures**

 *Type: CR For: Approval
 23.434 v17.2.0 CR-0079 rev 2 Cat: F (Rel-17)

 Source: Ericsson LM*

(Replaces S6-212097)

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

**S6-211962 Support for TSN services procedures**

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

 Source: Ericsson LM*

**Abstract:**

TR 23.745 Solution #22 incorporates SEAL support for TSN and 5G native TSC services. It is applicable for other vertical applications as well.

It is proposed to use that solution for enhancing TS 23.434 NRM function.

**Discussion:**

Ericsson presented the contribution during CC#2.

**Decision:** The document was **revised to S6-212099**.

**S6-212099 Support for TSN services procedures**

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

 Source: Ericsson LM*

(Replaces S6-211962)

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

**S6-211964 Unicast QoS monitoring data retrieval**

 *Type: CR For: (not specified)
 23.434 v17.2.0 CR-0081 Cat: B (Rel-17)

 Source: Ericsson LM*

**Decision:** The document was **revised to S6-212100**.

**S6-212100 Unicast QoS monitoring data retrieval**

 *Type: CR For: -
 23.434 v17.2.0 CR-0081 rev 1 Cat: B (Rel-17)

 Source: Ericsson LM*

(Replaces S6-211964)

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

**S6-211989 Updates to Location based Group**

 *Type: CR For: Agreement
 23.434 v17.2.0 CR-0078 rev 3 Cat: C (Rel-17)

 Source: Samsung*

(Replaces S6-211839)

**Decision:** The document was **revised to S6-212109**.

**S6-212109 Updates to Location based Group**

 *Type: CR For: Agreement
 23.434 v17.2.0 CR-0078 rev 4 Cat: C (Rel-17)

 Source: Samsung*

(Replaces S6-211989)

**Discussion:**

Rev1 reviewed during closing call and agreed.

**Decision:** The document was **revised to S6-212152**.

**S6-212152 Updates to Location based Group**

 *Type: CR For: Agreement
 23.434 v17.2.0 CR-0078 rev 5 Cat: C (Rel-17)

 Source: Samsung*

(Replaces S6-212109)

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

### 8.2 5GMARCH - Application Architecture for MSGin5G Service

**S6-211868 Broadcast message delivery procedure**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: one2many B.V.*

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

**S6-211904 5GMARCH store and forward**

 *Type: pCR For: Agreement
 23.554 v1.1.0
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-212118**.

**S6-212118 5GMARCH store and forward**

 *Type: pCR For: Agreement
 23.554 v1.1.0
 Source: Convida Wireless LLC*

(Replaces S6-211904)

**Discussion:**

Rev1 was reviewed during the closing call.

AT&T suggested moving the table 8.3.x-1 further up and adding a new pre-condition to the new procedure.

Finally AT&T did not agree with including the new procedure as currently presented.

It was suggested to prepare a Rev2 addressing AT&T comments.

Finally the Rev 3 was approved.

**Decision:** The document was **revised to S6-212164**.

**S6-212164 5GMARCH store and forward**

 *Type: pCR For: Agreement
 23.554 v1.1.0
 Source: Convida Wireless LLC*

(Replaces S6-212118)

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

**S6-211939 Clarification in section 3.1 definitions**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

**Decision:** The document was **revised to S6-212082**.

**S6-212082 Clarification in section 3.1 definitions**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

(Replaces S6-211939)

**Discussion:**

Rev1 was reviewed during the closing call.

It was suggested to modify the Group messaging def.

Only change is modification of the Group Messaging definition as follows:

"Group Messaging: message delivery that is originated at a UE or an Application Server and is terminated at all members of the group (a group member can be of type MSGin5G UE, Legacy 3GPP UE or Non-3GPP UE)."

The revised contribution S6-212153 is considered pre-approved.

**Decision:** The document was **revised to S6-212153**.

**S6-212153 Clarification in section 3.1 definitions**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

(Replaces S6-212082)

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

**S6-211941 Clarification in section 5.2 Application Architecture**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

**Decision:** The document was **revised to S6-212084**.

**S6-212084 Clarification in section 5.2 Application Architecture**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

(Replaces S6-211941)

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

**S6-211943 Clarification in section 5.3.2.1 General functionalities of MSGin5G Server**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

**Decision:** The document was **revised to S6-212089**.

**S6-212089 Clarification in section 5.3.2.1 General functionalities of MSGin5G Server**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

(Replaces S6-211943)

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

**S6-211944 Clarification in section 5.3.4.1 General Description of Message Gateway**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

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

**S6-211945 Clarification in section 5.3.5 Application Client**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

**Decision:** The document was **revised to S6-212104**.

**S6-212104 Clarification in section 5.3.5 Application Client**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

(Replaces S6-211945)

**Discussion:**

Rev1 approved during the closing call.

**Decision:** The document was **revised to S6-212154**.

**S6-212154 Clarification in section 5.3.5 Application Client**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

(Replaces S6-212104)

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

**S6-211946 Clarification in section 5.3.6 Application Server**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

**Decision:** The document was **revised to S6-212105**.

**S6-212105 Clarification in section 5.3.6 Application Server**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung Electronics Polska*

(Replaces S6-211946)

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

**S6-211954 Align names with architure figure**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: HuaWei Technologies Co., Ltd*

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

**S6-211955 Table references update**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Huawei, Hisilicon*

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

**S6-211956 Figures correction**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Huawei, Hisilicon*

**Discussion:**

Rev1 approved during the closing call.

**Decision:** The document was **revised to S6-212155**.

**S6-212155 Figures correction**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Huawei, Hisilicon*

(Replaces S6-211956)

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

**S6-211957 Corrections in 8.3.2**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Huawei, Hisilicon*

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

**S6-211959 Corrections on delivery report descriptions**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: China Mobile Com. Corporation*

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

**S6-211963 Group information query**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-212051**.

**S6-212051 Group information query**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Huawei, Hisilicon*

(Replaces S6-211963)

**Discussion:**

Rev1 was reviewed and approved during the closing call.

**Decision:** The document was **revised to S6-212156**.

**S6-212156 Group information query**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Huawei, Hisilicon*

(Replaces S6-212051)

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

**S6-211991 Pseudo-CR on group notification to Message Gateway**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung, BDBOS*

(Replaces S6-211783)

**Decision:** The document was **revised to S6-212111**.

**S6-212111 Pseudo-CR on group notification to Message Gateway**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung, BDBOS*

(Replaces S6-211991)

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

**S6-211992 Pseudo-CR on MSGin5G Server Function**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212117**.

**S6-212117 Pseudo-CR on MSGin5G Server Function**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: Samsung*

(Replaces S6-211992)

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

**S6-211993 5GMARCH-open issues**

 *Type: discussion For: Discussion
 23.554 v..
 Source: Samsung*

**Discussion:**

Samsung presented the document during the CC#1.

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

**S6-212107 5GMARCH TS 23.554 clean-up**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: China Mobile Com. Corporation*

**Discussion:**

Rev1 was discussed during the closing call.

Convida was of the view that the pCR should not be approved, if the TS is not submitted for approval at this stage.

Samsung suggested adding ENs on correcting table numbers in clause 8.4.3 and the MSISDN. Also Samsung thought it was maybe not worth agreeing the present pCR unless the TS is submitted for approval.

One2many noted lot errors remained but did not want the work done to be wasted.

Motorola Solutions thought the proposal was an improvement but did not see the necessity to submit the TS for approval nor did they see why the two issues should be linked together.

During the closing call another draft version was provided as rev3.

The only changes are:

- removing from clause 8.7 the first EN “It is FFS how each endpoint is provided with a corresponding Service ID and applicable Application ID(s).”.

- adding the following EN under Table 8.1.2-2 “EN: MSGin5G Server address needs further definition” + Under clause 8.7, remove “It is FFS how each endpoint is provided with a corresponding Service ID and applicable Application ID(s).” from EN1.

The revised contribution S6-212177 is considered pre-approved.

**Decision:** The document was **revised to S6-212177**.

**S6-212177 5GMARCH TS 23.554 clean-up**

 *Type: pCR For: Approval
 23.554 v1.1.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212107)

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

## 9 Rel-17 Study Items

### 9.1 FS\_FFAPP - Study on application layer support for Factories of the Future in 5G network

none

## 10 Rel-18 Study Items

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

**S6-211911 MCPTT group call connect and disconnect aspects over broadcast and multicast MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212056**.

**S6-212056 MCPTT group call connect and disconnect aspects over broadcast and multicast MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Ericsson*

(Replaces S6-211911)

**Discussion:**

Rev1 was approved during the closing call.

**Decision:** The document was **revised to S6-212157**.

**S6-212157 MCPTT group call connect and disconnect aspects over broadcast and multicast MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Ericsson*

(Replaces S6-212056)

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

**S6-211912 pCR on updating IEs in service annoucement solutions for braodcast and multicast MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Ericsson*

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

**S6-211913 pCR on MapGroupToSessionStream alignment in different solutions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Ericsson*

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

**S6-211914 pCR on updating solutions 21 and 22**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Ericsson*

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

**S6-211915 pCR on updating solution 23 related to UE multicast MBS session leave aspects**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Ericsson*

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

**S6-211916 pCR on MCVideo group call aspects over broadcast and multicast MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212057**.

**S6-212057 pCR on MCVideo group call aspects over broadcast and multicast MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Ericsson*

(Replaces S6-211916)

**Discussion:**

Rev1 was approved during the closing call.

**Decision:** The document was **revised to S6-212158**.

**S6-212158 pCR on MCVideo group call aspects over broadcast and multicast MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Ericsson*

(Replaces S6-212057)

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

**S6-211917 pCR updating solution 11 on MC service data transmission over MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212061**.

**S6-212061 pCR updating solution 11 on MC service data transmission over MBS sessions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Ericsson*

(Replaces S6-211917)

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

**S6-211918 Pseudo-CR on Extension for the use of predefined 5QIs for MCData service capabilities**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Union Inter. Chemins de Fer*

**Decision:** The document was **revised to S6-212055**.

**S6-212055 Pseudo-CR on Extension for the use of predefined 5QIs for MCData service capabilities**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Union Inter. Chemins de Fer*

(Replaces S6-211918)

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

**S6-212009 Discussion on local MBS**

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

**Abstract:**

Discussion on local MBS

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

**S6-212010 Support of local MBS features**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN, CATT*

**Abstract:**

Proposal for Support of local MBS features

**Decision:** The document was **revised to S6-212130**.

**S6-212130 Support of local MBS features**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN, CATT*

(Replaces S6-212010)

**Discussion:**

Rev1 was reviewed and approved during the closing call.

**Decision:** The document was **revised to S6-212159**.

**S6-212159 Support of local MBS features**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN, CATT*

(Replaces S6-212130)

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

**S6-212011 Update to Solution#18**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

**Abstract:**

Proposal for Update to Solution#18

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

**S6-212012 Clarification on session state at MC service server in sol#10**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Clarification on session state at MC service server in sol#10

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

**S6-212013 MBS service de-announcement**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for MBS service de-announcement

**Decision:** The document was **revised to S6-212131**.

**S6-212131 MBS service de-announcement**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon*

(Replaces S6-212013)

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

**S6-212014 Clarification on broadcast service area usage**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Clarification on broadcast service area usage

**Decision:** The document was **revised to S6-212132**.

**S6-212132 Clarification on broadcast service area usage**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon*

(Replaces S6-212014)

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

**S6-212015 Update to Solution#8**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

**Abstract:**

Proposal for Update to Solution#8

**Decision:** The document was **revised to S6-212133**.

**S6-212133 Update to Solution#8**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

(Replaces S6-212015)

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

**S6-212016 Clarification on multicast MBS service announcement**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Clarification on multicast MBS service announcement

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

**S6-212017 Remove the editor's note in the evaluation clauses from Sol#12 and Sol#13**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

**Abstract:**

Proposal for Remove the editor's note in the evaluation clauses from Sol#12 and Sol#13

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

**S6-212018 Remove the editor's note in the evaluation clauses from Sol#14 and Sol#15**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

**Abstract:**

Proposal for Remove the editor's note in the evaluation clauses from Sol#14 and Sol#15

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

**S6-212019 Remove the editor's note in the evaluation clauses from Sol#16**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

**Abstract:**

Proposal for Remove the editor's note in the evaluation clauses from Sol#16

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

**S6-212020 Remove the editor's note in the evaluation clauses from Sol#17**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

**Abstract:**

Proposal for Remove the editor's note in the evaluation clauses from Sol#17

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

**S6-212021 Remove the editor's note in the evaluation clauses from Sol#19**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

**Abstract:**

Proposal for Remove the editor's note in the evaluation clauses from Sol#19

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

**S6-212022 Overall evaluations for MBS solutions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

**Abstract:**

Proposal for Overall evaluations for MBS solutions

**Discussion:**

Huawei presented the document during the CC#5.

It was suggested that the evaluation should go slightly deeper as it now only gave a summary of the functionality.

**Decision:** The document was **revised to S6-212134**.

**S6-212134 Overall evaluations for MBS solutions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

(Replaces S6-212022)

**Discussion:**

Rev1 and Rev2 were discussed during the closing call.

Finally, rev2 was approved.

**Decision:** The document was **revised to S6-212160**.

**S6-212160 Overall evaluations for MBS solutions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

(Replaces S6-212134)

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

**S6-212023 Conclusions for MBS solutions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

**Abstract:**

Proposal for conclusions for MBS solutions

**Discussion:**

Huawei presented the document during the CC#5.

Ericsson was of the view it was too early to anticipate direction taken in SA2.

Motorola Solutions agreed with the view of Ericsson and noted that there was no rush anticipating what has been agreed in SA2.

**Decision:** The document was **revised to S6-212135**.

**S6-212135 Conclusions for MBS solutions**

 *Type: pCR For: Approval
 23.783 v1.5.0
 Source: Huawei, Hisilicon, CBN*

(Replaces S6-212023)

**Discussion:**

Rev1 was discussed during the closing call.

UIC suggested postponing the proposal.

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

### 10.2 FS\_MCGWUE - Study of Gateway UE function for Mission Critical Communication

**S6-211891 Study Conclusions**

 *Type: pCR For: Approval
 23.700-79 v1.1.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

The pCR proposes text for the conclusion section.

**Decision:** The document was **revised to S6-212059**.

**S6-212059 Study Conclusions**

 *Type: pCR For: Approval
 23.700-79 v1.1.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

(Replaces S6-211891)

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

**S6-211892 Overall evaluation section update**

 *Type: pCR For: Approval
 23.700-79 v1.1.0
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

The pCR updates the overall evaluation section after 3GPP SA6#44-e (last meeting).

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

**S6-211893 Renaming terms MC Application clients/servers**

 *Type: pCR For: Approval
 23.700-79 v1.1.0
 Source: Nokia, Nokia Shanghai Bell, UIC*

**Abstract:**

It is suggested to rename the terms MC Application client/server as requested by an editor's note.

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

**S6-211919 Pseudo-CR on media plane forwarding to MC clients**

 *Type: pCR For: Approval
 23.700-79 v1.1.0
 Source: Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell*

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

**S6-211921 Interworking with non-3GPP devices cannot host MC client**

 *Type: pCR For: Approval
 23.700-79 v1.1.0
 Source: BDBOS, Nokia, Nokia Shanghai Bell*

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

**S6-211932 Pseudo-CR on handling the Editors Note**

 *Type: pCR For: (not specified)
 23.700-79 v1.1.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212106**.

**S6-212106 Pseudo-CR on handling the Editors Note**

 *Type: pCR For: -
 23.700-79 v1.1.0
 Source: Samsung*

(Replaces S6-211932)

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

**S6-212039 Update to Key issue 4**

 *Type: pCR For: Approval
 23.700-79 v1.1.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Update to Key issue 4

**Decision:** The document was **revised to S6-212143**.

**S6-212143 Update to Key issue 4**

 *Type: pCR For: Approval
 23.700-79 v1.1.0
 Source: Huawei, Hisilicon*

(Replaces S6-212039)

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

**S6-212040 New solution to MBMS support**

 *Type: pCR For: Approval
 23.700-79 v1.1.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for New solution to MBMS support

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

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

**S6-211886 Architectural requirements section update**

 *Type: pCR For: Approval
 23.700-90 v0.4.1
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

No architectural requirements were identified. The pCR updates the architectural requirements section to note this fact.

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

**S6-211887 Overall evaluation section update**

 *Type: pCR For: Approval
 23.700-90 v0.4.1
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

The pCR updates the overall evaluation section after 3GPP SA6#44-e (July 2021).

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

**S6-211889 Scenarios section update**

 *Type: pCR For: Approval
 23.700-90 v0.4.1
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

No scenarios were identified. The pCR updates the scenarios section to note this fact.

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

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

**S6-211924 Add descriptions of two business relationships and corresponding slice enabler deployment models**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Huawei, Lenovo, Motorola Mobility, China Mobile Com. Corporation*

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

**S6-211925 New KI on network slice fault management capability exposure**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Huawei, China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212077**.

**S6-212077 New KI on network slice fault management capability exposure**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Huawei, China Mobile Com. Corporation*

(Replaces S6-211925)

**Discussion:**

Rev1 was reviewed and approved during the closing call.

**Decision:** The document was **revised to S6-212162**.

**S6-212162 New KI on network slice fault management capability exposure**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Huawei, China Mobile Com. Corporation*

(Replaces S6-212077)

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

**S6-211926 New KI on network slice performance management capability exposure**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Huawei, Lenovo, Motorola Mobility*

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

**S6-211927 New KI on Application layer communication service management exposure requirement**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Huawei, Hisilicon, Lenovo, Motorola Mobility, China Mobile Com. Corporation*

**Decision:** The document was **revised to S6-212078**.

**S6-212078 New KI on Application layer communication service management exposure requirement**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Huawei, Hisilicon, Lenovo, Motorola Mobility, China Mobile Com. Corporation*

(Replaces S6-211927)

**Decision:** The document was **revised to S6-212080**.

**S6-212080 New KI on Application layer communication service management exposure requirement**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Huawei, Hisilicon, Lenovo, Motorola Mobility, China Mobile Com. Corporation*

(Replaces S6-212078)

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

**S6-211928 new KI on Application layer QoS verification capability exposure requirement**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S6-212079**.

**S6-212079 new KI on Application layer QoS verification capability exposure requirement**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Huawei, Hisilicon*

(Replaces S6-211928)

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

**S6-211949 New KI on Network slice related performance and analytics exposure**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: China Mobile Com. Corporation*

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

**S6-211950 New KI on dynamic configuration**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: China Mobile Com. Corporation*

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

**S6-211951 Application Architecture**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: China Mobile Com. Corporation, Huawei*

**Decision:** The document was **revised to S6-212070**.

**S6-212070 Application Architecture**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: China Mobile Com. Corporation, Huawei*

(Replaces S6-211951)

**Discussion:**

Rev1 was discussed during the closing call.

Deutsche Telekom suggested postponing the proposal.

There was a suggestion to add an editor's note related to the Service based representation.

Finally, the draft Rev 1 with the following additional changes were approved:

- deleting figure 4.2-1 and

- deleting the sentence beneath figure 4.2-1.

The revised document S6-212161 is considered pre-approved.

**Decision:** The document was **revised to S6-212161**.

**S6-212161 Application Architecture**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: China Mobile Com. Corporation, Huawei*

(Replaces S6-212070)

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

**S6-211952 solution for KI#2**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility, Huawei*

**Decision:** The document was **revised to S6-212069**.

**S6-212069 solution for KI#2**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility, Huawei*

(Replaces S6-211952)

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

**S6-211953 DP on the deployment, architecture, value of FS\_NSCALE**

 *Type: discussion For: Discussion
 23.700-99 v..
 Source: China Mobile Com. Corporation, Huawei*

**Discussion:**

CMCC presented the contribution during CC#3.

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

**S6-211965 Key Issue on requirement translation**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Lenovo, Motorola Mobility, China Mobile*

**Abstract:**

This contribution provides a new key issue to study the requirements translation potential capability at the slice management service exposure layer.

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

**S6-211967 Key Issue on support for trust enablement**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This contribution provides a new key issue to study the trust enablement as potential capability at the slice enabler layer.

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

**S6-211996 Pseudo-CR on new KI to enable support for managing trusted third-party owned application(s)**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212114**.

**S6-212114 Pseudo-CR on new KI to enable support for managing trusted third-party owned application(s)**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Samsung*

(Replaces S6-211996)

**Discussion:**

Rev1 was approved during the closing call.

**Decision:** The document was **revised to S6-212163**.

**S6-212163 Pseudo-CR on new KI to enable support for managing trusted third-party owned application(s)**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Samsung*

(Replaces S6-212114)

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

**S6-212041 New KI on dynamic slice SLA alignment**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Huawei, Hisilicon, Lenovo, CMCC*

**Abstract:**

Proposal for New KI on dynamic slice SLA alignment

**Decision:** The document was **revised to S6-212144**.

**S6-212144 New KI on dynamic slice SLA alignment**

 *Type: pCR For: Approval
 23.700-99 v0.1.0
 Source: Huawei, Hisilicon, Lenovo, CMCC*

(Replaces S6-212041)

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

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

**S6-211871 FS\_SNAAPP - Mapping of Solutions to key Issues**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to introduce mapping of solutions to key issues in the beginning of the solution clause.

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

**S6-211872 Proxy option in the UE-originated API invocation**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes to add an open issue about use of a proxy in the UE-originated API invocation.

**Decision:** The document was **revised to S6-212072**.

**S6-212072 Proxy option in the UE-originated API invocation**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

(Replaces S6-211872)

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

**S6-211873 Network/UE status monitoring**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a new key issue on network/UE status monitoring.

**Discussion:**

NTT DOCOMO presented the contribution during CC#3.

**Decision:** The document was **revised to S6-212073**.

**S6-212073 Network/UE status monitoring**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

(Replaces S6-211873)

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

**S6-211874 Architectural requirements for SNAAPP**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes architectural requirements for SNAAPP.

**Decision:** The document was **revised to S6-212074**.

**S6-212074 Architectural requirements for SNAAPP**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

(Replaces S6-211874)

**Discussion:**

Rev1 was approved during the closing call.

**Decision:** The document was **revised to S6-212165**.

**S6-212165 Architectural requirements for SNAAPP**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

(Replaces S6-212074)

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

**S6-211875 Business relationship in SNA**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes the business relationship in SNA.

**Discussion:**

NTT DOCOMO presented the contribution during CC#3.

**Decision:** The document was **revised to S6-212075**.

**S6-212075 Business relationship in SNA**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

(Replaces S6-211875)

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

**S6-211876 API invoker obtaining authorisation using the authorisation code**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a solution for the key issue #3 with regard to obtaining user consent from the resource owner using the authorisation code.

**Discussion:**

NTT DOCOMO presented the contribution during CC#3.

**Decision:** The document was **revised to S6-212076**.

**S6-212076 API invoker obtaining authorisation using the authorisation code**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

(Replaces S6-211876)

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

**S6-211877 API invoker obtaining authorisation from a remote resource owner**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a solution for the key issue #3 with regard to obtaining user consent from the resource owner in a remote environment.

**Discussion:**

NTT DOCOMO presented the contribution during CC#3.

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

**S6-211990 Pseudo-CR on New Key Issue on detection of subscriber centric API**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: Samsung, NTT DOCOMO*

(Replaces S6-211788)

**Decision:** The document was **revised to S6-212110**.

**S6-212110 Pseudo-CR on New Key Issue on detection of subscriber centric API**

 *Type: pCR For: Approval
 23.700-95 v0.1.0
 Source: Samsung, NTT DOCOMO*

(Replaces S6-211990)

**Discussion:**

Rev1 was reviewed during the closing call.

Huawei still had concerns with the proposal.

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

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

**S6-211900 pCR on FS\_ACE\_IOT for QoS determination**

 *Type: pCR For: Approval
 23.700-97 v0.1.0
 Source: NTT DOCOMO, Convida Wireless*

**Abstract:**

This contribution proposes a new key issue on QoS determination.

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

**S6-211905 IoT Platform PSM monitoring and configuration KI**

 *Type: pCR For: Agreement
 23.700-97 v0.1.0
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-212121**.

**S6-212121 IoT Platform PSM monitoring and configuration KI**

 *Type: pCR For: Agreement
 23.700-97 v0.1.0
 Source: Convida Wireless LLC*

(Replaces S6-211905)

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

**S6-211983 Optimizations based on network parameters**

 *Type: discussion For: Discussion
 Source: Convida Wireless LLC*

**Discussion:**

Convida presented the contribution during the CC#2.

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

**S6-211995 Pseudo-CR on new KI for Application server monitoring**

 *Type: pCR For: Approval
 23.700-97 v0.1.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212113**.

**S6-212113 Pseudo-CR on new KI for Application server monitoring**

 *Type: pCR For: Approval
 23.700-97 v0.1.0
 Source: Samsung*

(Replaces S6-211995)

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

**S6-211878 pCR on FS\_ACE\_IOT for QoS determination**

 *Type: pCR For: Approval
 23.700-97 v0.1.0
 Source: NTT DOCOMO*

**Abstract:**

This contribution proposes a new key issue on QoS determination.

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

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

**S6-211966 Key Issue on support for vertical-tailored hybrid positioning**

 *Type: pCR For: Approval
 23.700-96 v0.1.1
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This paper proposes a key issue on location service enabler layer support for vertical-tailored hybrid positioning.

**Decision:** The document was **revised to S6-212086**.

**S6-212086 Key Issue on support for vertical-tailored hybrid positioning**

 *Type: pCR For: Approval
 23.700-96 v0.1.1
 Source: Lenovo, Motorola Mobility*

(Replaces S6-211966)

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

**S6-211984 Discussion on architectural aspects**

 *Type: pCR For: Approval
 23.700-96 v0.1.1
 Source: CATT*

**Abstract:**

Architectural aspects considering location source from LCS, user plane (SUPL) and application layer, and the proposal for architecture of location service.

**Discussion:**

CATT presented the contribution during CC#4.

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

**S6-211985 Pseudo-CR on fused location service architecture**

 *Type: pCR For: Approval
 23.700-96 v0.1.1
 Source: CATT*

**Abstract:**

This contribution defines functional architecture for the study.

**Decision:** The document was **revised to S6-212065**.

**S6-212065 Pseudo-CR on fused location service architecture**

 *Type: pCR For: Approval
 23.700-96 v0.1.1
 Source: CATT*

(Replaces S6-211985)

**Discussion:**

Draft Rev1, Rev2 and Rev3 were considered during the closing call.

Qualcomm still had concerns with the made proposals.

Finally a draft Rev4 was considered and approved.

**Decision:** The document was **revised to S6-212176**.

**S6-212176 Pseudo-CR on fused location service architecture**

 *Type: pCR For: Approval
 23.700-96 v0.1.1
 Source: CATT*

(Replaces S6-212065)

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

**S6-211986 Pseudo-CR on key issue for supporting SUPL**

 *Type: pCR For: Approval
 23.700-96 v0.1.1
 Source: CATT*

**Abstract:**

This contribution defines new key issue for the support of SUPL.

**Decision:** The document was **revised to S6-212066**.

**S6-212066 Pseudo-CR on key issue for supporting SUPL**

 *Type: pCR For: Approval
 23.700-96 v0.1.1
 Source: CATT*

(Replaces S6-211986)

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

**S6-211987 Pseudo-CR on location service differentiation**

 *Type: pCR For: Approval
 23.700-96 v0.1.1
 Source: CATT*

**Abstract:**

This contribution addresses new key issue on location service differentiation.

**Decision:** The document was **revised to S6-212067**.

**S6-212067 Pseudo-CR on location service differentiation**

 *Type: pCR For: Approval
 23.700-96 v0.1.1
 Source: CATT*

(Replaces S6-211987)

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

### 10.8 FS\_eEDGEAPP - Study on enhanced Application Architecture for enabling Edge Applications

**S6-211881 New Key Issue – Enablement of Service APIs exposed by EAS**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: ETRI, Uangel*

(Replaces S6-211730)

**Abstract:**

This paper proposes to add a new key issue to study how to enable the use of service APIs exposed by EASs in FS\_eEDGEAPP.

**Decision:** The document was **revised to S6-212054**.

**S6-212054 New Key Issue – Enablement of Service APIs exposed by EAS**

 *Type: pCR For: Approval
 23.700-98 v0.0.0
 Source: ETRI, Uangel*

(Replaces S6-211881)

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

**S6-211896 New Key Issue on EAS and MEC Application alignment**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Intel Technology India Pvt Ltd*

**Abstract:**

New Key Issue on EAS and MEC Application alignment

**Discussion:**

Intel presented draft Rev2 of the document during CC#6.

Huawei suggested rephrasing the bullets, but would provide details over email.

Samsung suggested limiting the scope.

Intel presented draft Rev3 of the document during CC#9.

Samsung suggested addressing backward compatibility. Two versions of a note on this were proposed:

NOTE v1: Any recommendations and enhancements should consider backwards compatibility.

NOTE v2: Backwards compatibility is an important aspect of any recommendations and enhancements and will be considered during the study of this key issue.

**Decision:** The document was **revised to S6-212115**.

**S6-212115 New Key Issue on EAS and MEC Application alignment**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-211896)

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

**S6-211897 New Key Issue on EES and MEC Platform alignment**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Intel Technology India Pvt Ltd*

**Abstract:**

New Key Issue on EES and MEC Platform alignment

**Decision:** The document was **merged to S6-211896**.

**S6-211899 pCR for Key Issue on EDGE-5**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Qualcomm Incorporated*

**Abstract:**

This pCR captures the key issue and aspects associated with the functionality necessary for EDGE-5.

**Decision:** The document was **revised to S6-212103**.

**S6-212103 pCR for Key Issue on EDGE-5**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Qualcomm Incorporated*

(Replaces S6-211899)

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

**S6-211901 New KI Application traffic coordination with 3GPP UP connectivity**

 *Type: pCR For: (not specified)
 23.700-98 v0.1.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212096**.

**S6-212096 New KI Application traffic coordination with 3GPP UP connectivity**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Ericsson*

(Replaces S6-211901)

**Discussion:**

Draft Rev1 was considered during the closing call.

Huawei still raised concern over the routing related key issue.

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

**S6-211902 New KI Energy efficient communication in EC**

 *Type: pCR For: (not specified)
 23.700-98 v0.1.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212098**.

**S6-212098 New KI Energy efficient communication in EC**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Ericsson*

(Replaces S6-211902)

**Discussion:**

Draft rev1 was discussed during the closing call.

Huawei still raised concerns over the formulation of the key issue and gaps.

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

**S6-211903 New KI Encrypted application traffic detection**

 *Type: pCR For: (not specified)
 23.700-98 v0.1.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212101**.

**S6-212101 New KI Encrypted application traffic detection**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Ericsson*

(Replaces S6-211903)

**Discussion:**

Draft rev1 was considered during the closing call.

**Decision:** The document was **revised to S6-212166**.

**S6-212166 New KI Encrypted application traffic detection**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Ericsson*

(Replaces S6-212101)

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

**S6-211906 Service continuity across PLMNs KI**

 *Type: pCR For: Agreement
 23.700-98 v0.1.0
 Source: Convida Wireless LLC*

**Discussion:**

Convida presented the document during CC#6.

It was suggested to provide further info on deployment issues, e.g. where service continuity over multiple PLMNs is required.

**Decision:** The document was **merged to S6-211937**.

**S6-211907 EAS selection KI**

 *Type: pCR For: Agreement
 23.700-98 v0.1.0
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-212120**.

**S6-212120 EAS selection KI**

 *Type: pCR For: Agreement
 23.700-98 v0.1.0
 Source: Convida Wireless LLC*

(Replaces S6-211907)

**Discussion:**

Draft rev1 was considered during the closing call.

Huawei suggested removing bullets 2, 3 and 4. After further discussion they were fine with leaving bullets 2 and 3, and only asking for deletion of bullet 4.

Ericsson however requested to leave the bullet 4 in.

After continued discussion it was finally agreed to go ahead with a version where bullet 4 has been deleted.

The only change is removing the last bullet 4 “How the EES determines that a registered EAS is providing services to an AC” in open issues.

The revised contribution S6-212168 is considered pre-approved.

**Decision:** The document was **revised to S6-212168**.

**S6-212168 EAS selection KI**

 *Type: pCR For: Agreement
 23.700-98 v0.1.0
 Source: Convida Wireless LLC*

(Replaces S6-212120)

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

**S6-211908 Edge messaging optimization KI**

 *Type: pCR For: Agreement
 23.700-98 v0.1.0
 Source: Convida Wireless LLC*

**Decision:** The document was **revised to S6-212122**.

**S6-212122 Edge messaging optimization KI**

 *Type: pCR For: Agreement
 23.700-98 v0.1.0
 Source: Convida Wireless LLC*

(Replaces S6-211908)

**Discussion:**

Ericsson objected to the proposal noting that services having only a single purpose.

Convida did agree with the view of Ericsson and provided the following response for the notes.

Convida firmly objects to the principle quoted by Ericsson in its objection, namely that “Each service/message has a single purpose and carries its own data, … etc.” and “…not correct […] to study blended services”.

The following points address Convida’s position:

First - registration, discovery, etc. are not “services”, they are procedures which may be optimized sometimes by including information used in other procedures. Second - there is no dedicated set of information dedicated ONLY to registration, to discovery, etc. – the TS makes no such differentiation of the data

Third - similar procedures in TS 23.558 provide comparable optimizations, e.g. ACR management (TS 23.558 clause 8.6.3), Service provisioning (TS 23.558 clause 8.3.3).

In addition to requesting Ericsson to withdraw its objection, Convida asks SA6 to provide a fair environment in which such “principles” are applied equally to the member companies and the content provided. Given that existing TS text shows violations of this “principle”, either the text needs to be corrected or the principle should not provide a basis for objection in new pCRs.

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

**S6-211910 New solution for encrypted traffic detection**

 *Type: pCR For: (not specified)
 23.700-98 v0.1.0
 Source: Ericsson*

**Decision:** The document was **revised to S6-212102**.

**S6-212102 New solution for encrypted traffic detection**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Ericsson, Samsung*

(Replaces S6-211910)

**Discussion:**

Draft Rev1 was considered during the closing call.

**Decision:** The document was **revised to S6-212167**.

**S6-212167 New solution for encrypted traffic detection**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Ericsson, Samsung*

(Replaces S6-212102)

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

**S6-211922 New Key Issue – Alignment of APIs between ETSI MEC and EDGEAPP**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Nokia, Nokia Shanghai Bell, Intel*

**Decision:** The document was **merged to S6-211896**.

**S6-211935 Key issue - enhancement of dynamic EAS instantiation**

 *Type: pCR For: (not specified)
 23.700-98 v0.1.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212045**.

**S6-212045 Key issue - enhancement of dynamic EAS instantiation**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Samsung*

(Replaces S6-211935)

**Discussion:**

Draft rev1 was considered during the closing call.

Huawei further suggested deleting "and scale out" from the second bullet under open issues.

The only change is deleting "and scale out" from the second bullet from the open issues.

The revised contribution S6-212169 is considered pre-approved.

**Decision:** The document was **revised to S6-212169**.

**S6-212169 Key issue - enhancement of dynamic EAS instantiation**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Samsung*

(Replaces S6-212045)

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

**S6-211936 Key issue on edge computing service policy framework**

 *Type: pCR For: (not specified)
 23.700-98 v0.1.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212046**.

**S6-212046 Key issue on edge computing service policy framework**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Samsung*

(Replaces S6-211936)

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

**S6-211937 Key issue on supporting roaming UEs**

 *Type: pCR For: (not specified)
 23.700-98 v0.1.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212047**.

**S6-212047 Key issue on supporting roaming UEs**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Samsung, Convida Wireless*

(Replaces S6-211937)

**Discussion:**

Rev1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212170**.

**S6-212170 Key issue on supporting roaming UEs**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Samsung, Convida Wireless*

(Replaces S6-212047)

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

**S6-211938 Push notification support**

 *Type: pCR For: (not specified)
 23.700-98 v0.1.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212048**.

**S6-212048 Push notification support**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Samsung*

(Replaces S6-211938)

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

**S6-212049 Push notification support**

 *Type: pCR For: -
 23.700-98 v0.1.0
 Source: Samsung*

(Replaces S6-211938)

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

**S6-211958 KI on EEC initiated ACR request timing**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: KPN N.V.*

**Decision:** The document was **merged to S6-212087**.

**S6-211968 Key Issue on Service Continuity Planning enhancements**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This paper proposes a new key issue on service continuity planning enhancements.

**Discussion:**

Lenovo presented the document during the CC#6.

Huawei suggested removing cancellation.

**Decision:** The document was **revised to S6-212087**.

**S6-212087 Key Issue on Service Continuity Planning enhancements**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Lenovo, Motorola Mobility*

(Replaces S6-211968)

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

**S6-211980 Federation of Edge Computing services**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Samsung*

**Decision:** The document was **merged to S6-212036**.

**S6-211994 Pseudo-CR on KI for ACR between EAS and Cloud Application**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Samsung*

**Decision:** The document was **revised to S6-212112**.

**S6-212112 Pseudo-CR on KI for ACR between EAS and Cloud Application**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Samsung*

(Replaces S6-211994)

**Discussion:**

Draft Rev1 was considered and approved during the closing call.

**Decision:** The document was **revised to S6-212171**.

**S6-212171 Pseudo-CR on KI for ACR between EAS and Cloud Application**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Samsung*

(Replaces S6-212112)

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

**S6-212036 Key issue on ECS discovery and service continuity support across ECSPs**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on ECS discovery and service continuity support across ECSPs

**Decision:** The document was **revised to S6-212142**.

**S6-212142 Key issue on ECS discovery and service continuity support across ECSPs**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Huawei, Hisilicon*

(Replaces S6-212036)

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

**S6-212037 Key issue on service provisioning for Roaming scenario**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on service provisioning for Roaming scenario

**Decision:** The document was **merged to S6-212170**.

**S6-212038 Key issue on UE location detection for service continuity planning**

 *Type: pCR For: Approval
 23.700-98 v0.1.0
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for Key issue on UE location detection for service continuity planning

**Decision:** The document was **merged S6-212087**.

## 11 Future work / New WIDs (including related contributions)

The meeting discussed during the opening call how to handle the high number of topics (Rel-18).

Motorola Solutions noted that SA6 previously has used an alternating scheme which worked well. They however noted that there are working groups with considerably higher number of TDocs so it should not be a problem.

The chair confirmed that there are groups handling more documents, but this might require SA6 to change its culture and not allow as much discussion or/and maybe use more parallel sessions. Either way SA6 should pay attention not bringing in overly high number of studies at the same time.

The meeting also touched on the previously endorsed S6-201481, but would come on this topic later during the course of the meeting.

The topic was further discussed during the CC#7.

Motorola Solutions noted that SA3 had not returned any LS to date, and as a result the did not support submitting [S6-211481](https://www.3gpp.org/ftp/tsg_sa/WG6_MissionCritical/TSGS6_043-e/Docs/S6-211481.zip) for SA this meeting cycle.

**S6-211888 Revised SID on Study of Interconnection and Migration Aspects for Railways**

 *Type: SID revised For: Agreement
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Changes: New completion dates, additional supporters, correct number and name of the TR

**Discussion:**

Nokia presented the document S6-211888 during the opening call.

Only changes in this document were the dates and supporting organisations.

AT&T indicated they also supported the SID.

**Decision:** The document was **revised to S6-212058**.

**S6-212058 Revised SID on Study of Interconnection and Migration Aspects for Railways**

 *Type: SID revised For: Agreement
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-211888)

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

**S6-211870 Revised SID Study on Mission Critical services support over 5G System**

 *Type: SID revised For: Agreement
 Source: Netherlands Police*

**Discussion:**

The Police of Netherlands presented the document S6-211870 during the opening call.

Huawei raised the point whether there should be some reason given for the request of additional 9 months.

Motorola Solutions did not think a reason was required as it would stay within the Rel-18 time frame.

CATT suggested including some reasoning and to mention coordination with SA2.

**Decision:** The document was **revised to S6-212063**.

**S6-212063 Revised SID Study on Mission Critical services support over 5G System**

 *Type: SID revised For: Agreement
 Source: Netherlands Police*

(Replaces S6-211870)

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

**S6-211869 New SID on enhanced architecture for UAS applications**

 *Type: SID new For: Agreement
 Source: InterDigital*

(Replaces S6-211819)

**Discussion:**

InterDigital presented the document S6-211869 during the opening call.

**Decision:** The document was **revised to S6-212071**.

**S6-212071 New SID on enhanced architecture for UAS applications**

 *Type: SID new For: Agreement
 Source: InterDigital*

(Replaces S6-211869)

**Discussion:**

Draft rev1 was considered and agreed during the closing call.

**Decision:** The document was **revised to S6-212172**.

**S6-212172 New SID on enhanced architecture for UAS applications**

 *Type: SID new For: Agreement
 Source: InterDigital*

(Replaces S6-212071)

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

**S6-211895 New SID on Service Function chaining support for Edge data networks**

 *Type: SID new For: Approval
 Source: Intel Technology India Pvt Ltd*

**Abstract:**

New SID on Service Function chaining support for Edge data networks

**Discussion:**

Intel presented the document S6-211895 during the opening call.

Qualcomm did not see SA6 had a part to play on this topic and thought it was already SA5 and SA2 working on this.

Deutsche Telekom agreed with the view of Qualcomm.

Intel noted that the intention was to study required interfaces not the service functions as such.

Qualcomm still did not see the role of SA6 as the proposal seemed to deal with application to application and application to core network interfaces which are not in the framework of SA6.

Intel presented again the presentation during CC#7.

Further details on the proposal was requested.

**Decision:** The document was **revised to S6-212116**.

**S6-212116 New SID on Service Function chaining support for Edge data networks**

 *Type: SID new For: Approval
 Source: Intel Technology India Pvt Ltd*

(Replaces S6-211895)

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

**S6-211934 New SID for Study on application layer enablers for Smart Grid**

 *Type: SID new For: (not specified)
 Source: HiSilicon Technologies Co. Ltd*

**Abstract:**

New SID for study on application layer enablers for Smart power Grid

**Discussion:**

Huawei presented the document S6-211934 during the opening call.

A further revised draft rev1 was presented during the CC#7.

Qualcomm made a remark that SA2 already studies the proposed topic. If there are some specific topics missing then these should be detailed.

Motorola Solutions agreed with the view of Qualcomm.

Deutsche Telekom suggested being clearer with regard to the scope of the proposal.

Qualcomm further noted that the proposal was too general, to give any indication of actual smart grid requirements.

Samsung raised some concern wrt to the indicated dependencies.

**Decision:** The document was **revised to S6-212064**.

**S6-212064 New SID for Study on application layer enablers for Smart Grid**

 *Type: SID new For: -
 Source: HiSilicon Technologies Co. Ltd*

(Replaces S6-211934)

**Discussion:**

Draft Rev1 was considered during the closing call.

Huawei was of the view that further requirements need to be considered.

Qualcomm noted there were some comments that had not been considered in the revised proposal.

Deutsche Telekom still had concerns working on this before SA1 has completed their work.

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

**S6-211981 Discussion on new SID proposal on Analytics Enablement Service**

 *Type: discussion For: (not specified)
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This is a discussion paper related to the proposed R18 SID on Analytics Enablement Service

**Discussion:**

Lenovo presented the document S6-211981 during the opening call.

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

**S6-211982 New SID on Study on Integrated Analytics Enablement Service**

 *Type: SID new For: (not specified)
 Source: Lenovo, Motorola Mobility*

**Abstract:**

This contribution provides a new SID proposal on analytics enablement. The discussion paper is provided in S6-211981.

**Decision:** The document was **revised to S6-212088**.

**S6-212088 New SID on Study on Integrated Analytics Enablement Service**

 *Type: SID new For: -
 Source: Lenovo, Motorola Mobility*

(Replaces S6-211982)

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

**S6-211894 New WID on Gateway UE function for Mission Critical Communication**

 *Type: WID new For: Agreement
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Normative work on Gateway UE for Mission Critical Communication.

**Decision:** The document was **revised to S6-212060**.

**S6-212060 New WID on Gateway UE function for Mission Critical Communication**

 *Type: WID new For: Agreement
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-211894)

**Discussion:**

Draft Rev1 was considered and agreed during the closing call.

**Decision:** The document was **revised to S6-212173**.

**S6-212173 New WID on Gateway UE function for Mission Critical Communication**

 *Type: WID new For: Agreement
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S6-212060)

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

**S6-212007 New WID for study on SEAL data delivery enabler for vertical applications**

 *Type: WID new For: Agreement
 Source: Huawei, Hisilicon*

(Replaces S6-211804)

**Abstract:**

Proposal for New WID for study on SEAL data delivery enabler for vertical applications

**Discussion:**

Huawei presented the document during the CC#7.

Ericsson suggested clarifying first and fourth sub-bullet under bullet b).

Samsung requested for further clarification on the sub-bullet under bullet b).

**Decision:** The document was **revised to S6-212128**.

**S6-212128 New WID for study on SEAL data delivery enabler for vertical applications**

 *Type: WID new For: Agreement
 Source: Huawei, Hisilicon*

(Replaces S6-212007)

**Discussion:**

Draft Rev1 was considered during the closing call.

Ericsson noted they had been hoping the WID would have been made more generic and hence suggested deleting the bullet 4 under sub-bullet b) clause 4.

Deutsche Telekom suggested deleting the "not limited to".

Huawei did not agree to deleting the bullet but were ok with deleting the "not limited to".

Further variations to bullet 4 were discussed.

Finally the only changes are:

 - deleting the "not limited to" and

 - replacing the bullet 4 under sub-bullet b) clause 4 with "Data transmission quality measurement mechanisms for supporting data delivery for maintaining user experience"

The revised contribution S6-212174 is considered pre-agreed.

**Decision:** The document was **revised to S6-212174**.

**S6-212174 New WID for study on SEAL data delivery enabler for vertical applications**

 *Type: WID new For: Agreement
 Source: Huawei, Hisilicon*

(Replaces S6-212128)

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

**S6-212008 New WID on study on enhancements to application layer support for V2X services Phase 2**

 *Type: WID new For: Agreement
 Source: Huawei, Hisilicon*

**Abstract:**

Proposal for New WID on study on enhancements to application layer support for V2X services Phase 2

**Decision:** The document was **revised to S6-212129**.

**S6-212129 New WID on study on enhancements to application layer support for V2X services Phase 2**

 *Type: WID new For: Agreement
 Source: Huawei, Hisilicon*

(Replaces S6-212008)

**Discussion:**

Rev1 was considered and agreed during the closing call.

**Decision:** The document was **revised to S6-212175**.

**S6-212175 New WID on study on enhancements to application layer support for V2X services Phase 2**

 *Type: WID new For: Agreement
 Source: Huawei, Hisilicon*

(Replaces S6-212129)

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

**S6-211997 FutureWork eSEAL2 plan**

 *Type: discussion For: Information
 Source: Samsung*

**Discussion:**

Samsung presented the document S6-211997 during the opening call.

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

**S6-211879 Draft Text on Scope**

 *Type: other For: Discussion
 Source: China Unicom*

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

**S6-211880 Draft Skeleton**

 *Type: other For: Discussion
 Source: China Unicom*

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

**S6-211920 New-SID-for-Study-on-application-layer-enablers-for-Smart-Grid**

 *Type: SID new For: (not specified)
 Source: HiSilicon Technologies Co. Ltd*

**Abstract:**

New SID for Study on application layer enablers for Smart Grid

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

## 12 Work Plan review

**S6-211885 Cover Sheet TR 23.700-90 for Information**

 *Type: TS or TR cover For: Agreement
 23.700-90 v0.4.1
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

3GPP TR 23.700-90 is presented first time.

**Discussion:**

Nokia presented the document during the CC#5.

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

**S6-211890 Cover Sheet TR 23.700-79 for Approval**

 *Type: TS or TR cover For: Agreement
 23.700-79 v1.1.0
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This is the second presentation of the TR to SA.

**Discussion:**

Nokia presented the document during the CC#5.

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

**S6-211960 Presentation of TS23.554 to SA for approval**

 *Type: TS or TR cover For: Agreement
 23.554 v1.1.0
 Source: China Mobile Com. Corporation*

**Discussion:**

China Mobile presented the document during the CC#5.

It was noted that the document would be further updated depending on the progress during the meeting.

**Decision:** The document was **revised to S6-212108**.

**S6-212108 Presentation of TS23.554 to SA for approval**

 *Type: TS or TR cover For: Agreement
 23.554 v1.1.0
 Source: China Mobile Com. Corporation*

(Replaces S6-211960)

**Discussion:**

The only change is to remove the bullet:

"Develop procedure to support group notification to Message Gateway in MSGin5G service”.

The revised contribution is considered pre-agreed.

**Decision:** The document was **revised to S6-212178**.

**S6-212178 Presentation of TS23.554 to SA for approval**

 *Type: TS or TR cover For: Agreement
 23.554 v1.1.0
 Source: China Mobile Com. Corporation*

(Replaces S6-212108)

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

**S6-212145 SA6-45-e Work Plan Review**

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

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

**S6-212179 Exception sheet 5GMARCH**

 *Type: WI exception request For: discussion
 Source: SA6*

**Discussion:**

The exception sheet was reviewed and edited online, during the dedicated formal conference call 7th Sep 2021. Finally the rev3 version was agreed for submission to SA#93 for approval.

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

## 13 Future meetings

## 14 AOB

## 15 Close of the meeting

Report prepared by: MCC

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S6-211861 | SA6 Meeting 45-e Agenda | SA6 Chair | noted |  |  |
| S6-211862 | SA6 Meeting 44-e Report | MCC | approved |  |  |
| S6-211863 | SA6 Meeting #45-e - Agenda with Tdocs allocation after submission deadline | SA6 Chair | noted |  |  |
| S6-211864 | SA6 Meeting #45-e - Agenda with Tdocs allocation at start of the meeting | SA6 Chair | approved |  |  |
| S6-211865 | SA6 Meeting #45-e - Chair's notes at end of the meeting | SA6 Chair | noted |  |  |
| S6-211866 | LS on information about draft Recommendation ITU-T Y.frd: Framework and Requirements of Network-oriented Data Integrity Verification Service based on Blockchain in Future Network | ITU-T SG13 Working Party 3/13 | postponed |  |  |
| S6-211867 | Reply LS to ITU SG13 LS on information about draft Recommendation ITU-T Y.frd: "Framework and Requirements of Network- oriented Data Integrity Verification Service based on Blockchain in Future Network” | China Unicom | withdrawn |  |  |
| S6-211868 | Broadcast message delivery procedure | one2many B.V. | postponed |  |  |
| S6-211869 | New SID on enhanced architecture for UAS applications | InterDigital | revised | S6-211819 | S6-212071 |
| S6-211870 | Revised SID Study on Mission Critical services support over 5G System | Netherlands Police | revised |  | S6-212063 |
| S6-211871 | FS\_SNAAPP - Mapping of Solutions to key Issues | NTT DOCOMO | approved |  |  |
| S6-211872 | Proxy option in the UE-originated API invocation | NTT DOCOMO | revised |  | S6-212072 |
| S6-211873 | Network/UE status monitoring | NTT DOCOMO | revised |  | S6-212073 |
| S6-211874 | Architectural requirements for SNAAPP | NTT DOCOMO | revised |  | S6-212074 |
| S6-211875 | Business relationship in SNA | NTT DOCOMO | revised |  | S6-212075 |
| S6-211876 | API invoker obtaining authorisation using the authorisation code | NTT DOCOMO | revised |  | S6-212076 |
| S6-211877 | API invoker obtaining authorisation from a remote resource owner | NTT DOCOMO | postponed |  |  |
| S6-211878 | pCR on FS\_ACE\_IOT for QoS determination | NTT DOCOMO | withdrawn |  |  |
| S6-211879 | Draft Text on Scope | China Unicom | withdrawn |  |  |
| S6-211880 | Draft Skeleton | China Unicom | withdrawn |  |  |
| S6-211881 | New Key Issue – Enablement of Service APIs exposed by EAS | ETRI, Uangel | revised | S6-211730 | S6-212054 |
| S6-211882 | Clarifications for Location management PLUS NEW enhancements for MC service UE label | BDBOS | revised | S6-211519 | S6-212062 |
| S6-211883 | Notification URL correction | AT&T GNS Belgium SPRL | agreed |  |  |
| S6-211884 | Clarify the supports of stored and forward functionality | AT&T GNS Belgium SPRL | agreed |  |  |
| S6-211885 | Cover Sheet TR 23.700-90 for Information | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S6-211886 | Architectural requirements section update | Nokia, Nokia Shanghai Bell | approved |  |  |
| S6-211887 | Overall evaluation section update | Nokia, Nokia Shanghai Bell | approved |  |  |
| S6-211888 | Revised SID on Study of Interconnection and Migration Aspects for Railways | Nokia, Nokia Shanghai Bell | revised |  | S6-212058 |
| S6-211889 | Scenarios section update | Nokia, Nokia Shanghai Bell | approved |  |  |
| S6-211890 | Cover Sheet TR 23.700-79 for Approval | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S6-211891 | Study Conclusions | Nokia, Nokia Shanghai Bell, UIC | revised |  | S6-212059 |
| S6-211892 | Overall evaluation section update | Nokia, Nokia Shanghai Bell | approved |  |  |
| S6-211893 | Renaming terms MC Application clients/servers | Nokia, Nokia Shanghai Bell, UIC | approved |  |  |
| S6-211894 | New WID on Gateway UE function for Mission Critical Communication | Nokia, Nokia Shanghai Bell | revised |  | S6-212060 |
| S6-211895 | New SID on Service Function chaining support for Edge data networks | Intel Technology India Pvt Ltd | revised |  | S6-212116 |
| S6-211896 | New Key Issue on EAS and MEC Application alignment | Intel Technology India Pvt Ltd | revised |  | S6-212115 |
| S6-211897 | New Key Issue on EES and MEC Platform alignment | Intel Technology India Pvt Ltd | merged |  | S6-211896 |
| S6-211898 | Supporting IP Address to GPSI conversion when NAT is present. | Qualcomm Incorporated | postponed |  |  |
| S6-211899 | pCR for Key Issue on EDGE-5 | Qualcomm Incorporated | revised |  | S6-212103 |
| S6-211900 | pCR on FS\_ACE\_IOT for QoS determination | NTT DOCOMO, Convida Wireless | postponed |  |  |
| S6-211901 | New KI Application traffic coordination with 3GPP UP connectivity | Ericsson | revised |  | S6-212096 |
| S6-211902 | New KI Energy efficient communication in EC | Ericsson | revised |  | S6-212098 |
| S6-211903 | New KI Encrypted application traffic detection | Ericsson | revised |  | S6-212101 |
| S6-211904 | 5GMARCH store and forward | Convida Wireless LLC | revised |  | S6-212118 |
| S6-211905 | IoT Platform PSM monitoring and configuration KI | Convida Wireless LLC | revised |  | S6-212121 |
| S6-211906 | Service continuity across PLMNs KI | Convida Wireless LLC | merged |  | S6-211937 |
| S6-211907 | EAS selection KI | Convida Wireless LLC | revised |  | S6-212120 |
| S6-211908 | Edge messaging optimization KI | Convida Wireless LLC | revised |  | S6-212122 |
| S6-211909 | Resolving the editor’s note on the use of SBA terminology | ETRI, Uangel | revised |  | S6-212052 |
| S6-211910 | New solution for encrypted traffic detection | Ericsson | revised |  | S6-212102 |
| S6-211911 | MCPTT group call connect and disconnect aspects over broadcast and multicast MBS sessions | Ericsson | revised |  | S6-212056 |
| S6-211912 | pCR on updating IEs in service annoucement solutions for braodcast and multicast MBS sessions | Ericsson | approved |  |  |
| S6-211913 | pCR on MapGroupToSessionStream alignment in different solutions | Ericsson | approved |  |  |
| S6-211914 | pCR on updating solutions 21 and 22 | Ericsson | postponed |  |  |
| S6-211915 | pCR on updating solution 23 related to UE multicast MBS session leave aspects | Ericsson | postponed |  |  |
| S6-211916 | pCR on MCVideo group call aspects over broadcast and multicast MBS sessions | Ericsson | revised |  | S6-212057 |
| S6-211917 | pCR updating solution 11 on MC service data transmission over MBS sessions | Ericsson | revised |  | S6-212061 |
| S6-211918 | Pseudo-CR on Extension for the use of predefined 5QIs for MCData service capabilities | Union Inter. Chemins de Fer | revised |  | S6-212055 |
| S6-211919 | Pseudo-CR on media plane forwarding to MC clients | Union Inter. Chemins de Fer, Nokia, Nokia Shanghai Bell | approved |  |  |
| S6-211920 | New-SID-for-Study-on-application-layer-enablers-for-Smart-Grid | HiSilicon Technologies Co. Ltd | withdrawn |  |  |
| S6-211921 | Interworking with non-3GPP devices cannot host MC client | BDBOS, Nokia, Nokia Shanghai Bell | approved |  |  |
| S6-211922 | New Key Issue – Alignment of APIs between ETSI MEC and EDGEAPP | Nokia, Nokia Shanghai Bell, Intel | merged |  | S6-211896 |
| S6-211923 | Resolve EN on AC Profile Parameter Ranges IE | Convida Wireless LLC | revised |  | S6-212119 |
| S6-211924 | Add descriptions of two business relationships and corresponding slice enabler deployment models | Huawei, Lenovo, Motorola Mobility, China Mobile Com. Corporation | postponed |  |  |
| S6-211925 | New KI on network slice fault management capability exposure | Huawei, China Mobile Com. Corporation | revised |  | S6-212077 |
| S6-211926 | New KI on network slice performance management capability exposure | Huawei, Lenovo, Motorola Mobility | postponed |  |  |
| S6-211927 | New KI on Application layer communication service management exposure requirement | Huawei, Hisilicon, Lenovo, Motorola Mobility, China Mobile Com. Corporation | revised |  | S6-212078 |
| S6-211928 | new KI on Application layer QoS verification capability exposure requirement | Huawei, Hisilicon | revised |  | S6-212079 |
| S6-211929 | Correction of preconditions and statements related to storing of MCData communication into Message store | Samsung | revised |  | S6-212083 |
| S6-211930 | Removal of deposit file indication from MCData FD request using HTTP | Samsung | revised |  | S6-212081 |
| S6-211931 | clarifying the lossless communication | Samsung | revised |  | S6-212085 |
| S6-211932 | Pseudo-CR on handling the Editors Note | Samsung | revised |  | S6-212106 |
| S6-211933 | Motivation for enhancements for MC service UE label | BDBOS | noted |  |  |
| S6-211934 | New SID for Study on application layer enablers for Smart Grid | HiSilicon Technologies Co. Ltd | revised |  | S6-212064 |
| S6-211935 | Key issue - enhancement of dynamic EAS instantiation | Samsung | revised |  | S6-212045 |
| S6-211936 | Key issue on edge computing service policy framework | Samsung | revised |  | S6-212046 |
| S6-211937 | Key issue on supporting roaming UEs | Samsung | revised |  | S6-212047 |
| S6-211938 | Push notification support | Samsung | revised |  | S6-212048 |
| S6-211939 | Clarification in section 3.1 definitions | Samsung Electronics Polska | revised |  | S6-212082 |
| S6-211940 | Remove editor's note for AC information subscription request | Samsung | withdrawn |  |  |
| S6-211941 | Clarification in section 5.2 Application Architecture | Samsung Electronics Polska | revised |  | S6-212084 |
| S6-211942 | Update on ECS configuration information | Samsung | revised |  | S6-212050 |
| S6-211943 | Clarification in section 5.3.2.1 General functionalities of MSGin5G Server | Samsung Electronics Polska | revised |  | S6-212089 |
| S6-211944 | Clarification in section 5.3.4.1 General Description of Message Gateway | Samsung Electronics Polska | approved |  |  |
| S6-211945 | Clarification in section 5.3.5 Application Client | Samsung Electronics Polska | revised |  | S6-212104 |
| S6-211946 | Clarification in section 5.3.6 Application Server | Samsung Electronics Polska | revised |  | S6-212105 |
| S6-211947 | Corrections to references, descriptions, and clause title of TS 23.558 | ETRI, Uangel | revised |  | S6-212053 |
| S6-211948 | Corrections to references and title of clause 4.8 | ETRI, Uangel | withdrawn |  |  |
| S6-211949 | New KI on Network slice related performance and analytics exposure | China Mobile Com. Corporation | approved |  |  |
| S6-211950 | New KI on dynamic configuration | China Mobile Com. Corporation | postponed |  |  |
| S6-211951 | Application Architecture | China Mobile Com. Corporation, Huawei | revised |  | S6-212070 |
| S6-211952 | solution for KI#2 | China Mobile Com. Corporation, Lenovo, Motorola Mobility, Huawei | revised |  | S6-212069 |
| S6-211953 | DP on the deployment, architecture, value of FS\_NSCALE | China Mobile Com. Corporation, Huawei | noted |  |  |
| S6-211954 | Align names with architure figure | HuaWei Technologies Co., Ltd | approved |  |  |
| S6-211955 | Table references update | Huawei, Hisilicon | approved |  |  |
| S6-211956 | Figures correction | Huawei, Hisilicon | revised |  | S6-212155 |
| S6-211957 | Corrections in 8.3.2 | Huawei, Hisilicon | approved |  |  |
| S6-211958 | KI on EEC initiated ACR request timing | KPN N.V. | merged |  | S6-212087 |
| S6-211959 | Corrections on delivery report descriptions | China Mobile Com. Corporation | approved |  |  |
| S6-211960 | Presentation of TS23.554 to SA for approval | China Mobile Com. Corporation | revised |  | S6-212108 |
| S6-211961 | Support for TSC services procedures | Ericsson LM | revised |  | S6-212097 |
| S6-211962 | Support for TSN services procedures | Ericsson LM | revised |  | S6-212099 |
| S6-211963 | Group information query | Huawei, Hisilicon | revised |  | S6-212051 |
| S6-211964 | Unicast QoS monitoring data retrieval | Ericsson LM | revised |  | S6-212100 |
| S6-211965 | Key Issue on requirement translation | Lenovo, Motorola Mobility, China Mobile | approved |  |  |
| S6-211966 | Key Issue on support for vertical-tailored hybrid positioning | Lenovo, Motorola Mobility | revised |  | S6-212086 |
| S6-211967 | Key Issue on support for trust enablement | Lenovo, Motorola Mobility | approved |  |  |
| S6-211968 | Key Issue on Service Continuity Planning enhancements | Lenovo, Motorola Mobility | revised |  | S6-212087 |
| S6-211969 | EEC context relocation | Samsung | revised | S6-211836 | S6-212090 |
| S6-211970 | ENs in clause 6.2 | Samsung | revised |  | S6-212091 |
| S6-211971 | GPSI format | Samsung | revised |  | S6-212092 |
| S6-211972 | ECS info in UE subscription data | Samsung | agreed |  |  |
| S6-211973 | Overlap between ACR scenarios | Samsung | postponed |  |  |
| S6-211974 | ACR preconditions for EEC | Samsung | revised |  | S6-212093 |
| S6-211975 | ENs on service continuity planning | Samsung | postponed |  |  |
| S6-211976 | Failure of EEC executed ACR via T-EES | Samsung | withdrawn |  |  |
| S6-211977 | Corrections to ACR launching procedure | Samsung | revised |  | S6-212094 |
| S6-211978 | Corrections to T-EES discovery | Samsung | revised |  | S6-212095 |
| S6-211979 | SA3 references | Samsung | agreed |  |  |
| S6-211980 | Federation of Edge Computing services | Samsung | merged |  | S6-212036 |
| S6-211981 | Discussion on new SID proposal on Analytics Enablement Service | Lenovo, Motorola Mobility | noted |  |  |
| S6-211982 | New SID on Study on Integrated Analytics Enablement Service | Lenovo, Motorola Mobility | revised |  | S6-212088 |
| S6-211983 | Optimizations based on network parameters | Convida Wireless LLC | noted |  |  |
| S6-211984 | Discussion on architectural aspects | CATT | noted |  |  |
| S6-211985 | Pseudo-CR on fused location service architecture | CATT | revised |  | S6-212065 |
| S6-211986 | Pseudo-CR on key issue for supporting SUPL | CATT | revised |  | S6-212066 |
| S6-211987 | Pseudo-CR on location service differentiation | CATT | revised |  | S6-212067 |
| S6-211988 | Reply LS on RAT type for network monitoring | CATT | revised |  | S6-212068 |
| S6-211989 | Updates to Location based Group | Samsung | revised | S6-211839 | S6-212109 |
| S6-211990 | Pseudo-CR on New Key Issue on detection of subscriber centric API | Samsung, NTT DOCOMO | revised | S6-211788 | S6-212110 |
| S6-211991 | Pseudo-CR on group notification to Message Gateway | Samsung, BDBOS | revised | S6-211783 | S6-212111 |
| S6-211992 | Pseudo-CR on MSGin5G Server Function | Samsung | revised |  | S6-212117 |
| S6-211993 | 5GMARCH-open issues | Samsung | noted |  |  |
| S6-211994 | Pseudo-CR on KI for ACR between EAS and Cloud Application | Samsung | revised |  | S6-212112 |
| S6-211995 | Pseudo-CR on new KI for Application server monitoring | Samsung | revised |  | S6-212113 |
| S6-211996 | Pseudo-CR on new KI to enable support for managing trusted third-party owned application(s) | Samsung | revised |  | S6-212114 |
| S6-211997 | FutureWork eSEAL2 plan | Samsung | noted |  |  |
| S6-211998 | ACR cancellation support | Huawei, Hisilicon | noted |  |  |
| S6-211999 | Cancellation Support in ACR | Huawei, Hisilicon | revised |  | S6-212123 |
| S6-212000 | ACR identification | Huawei, Hisilicon | revised |  | S6-212124 |
| S6-212001 | Provide EES endpoint in ACR request to enable EEC context relocation during ACR | Huawei, Hisilicon | revised |  | S6-212125 |
| S6-212002 | Correction on ACR information notification | Huawei, Hisilicon | postponed |  |  |
| S6-212003 | Correction on ACR information subscription request | Huawei, Hisilicon | revised |  | S6-212126 |
| S6-212004 | Correction on roaming scenario for ECS discovery | Huawei, Hisilicon | postponed |  |  |
| S6-212005 | Resolving the mismatch of selected ACR scenario between EEC and EAS | Huawei, Hisilicon | revised |  | S6-212127 |
| S6-212006 | Resolving EN about AutomatedACR terminology | Huawei, Hisilicon | agreed | S6-211669 |  |
| S6-212007 | New WID for study on SEAL data delivery enabler for vertical applications | Huawei, Hisilicon | revised | S6-211804 | S6-212128 |
| S6-212008 | New WID on study on enhancements to application layer support for V2X services Phase 2 | Huawei, Hisilicon | revised |  | S6-212129 |
| S6-212009 | Discussion on local MBS | Huawei, Hisilicon, CBN, CATT | noted |  |  |
| S6-212010 | Support of local MBS features | Huawei, Hisilicon, CBN, CATT | revised |  | S6-212130 |
| S6-212011 | Update to Solution#18 | Huawei, Hisilicon, CBN | approved |  |  |
| S6-212012 | Clarification on session state at MC service server in sol#10 | Huawei, Hisilicon | approved |  |  |
| S6-212013 | MBS service de-announcement | Huawei, Hisilicon | revised |  | S6-212131 |
| S6-212014 | Clarification on broadcast service area usage | Huawei, Hisilicon | revised |  | S6-212132 |
| S6-212015 | Update to Solution#8 | Huawei, Hisilicon, CBN | revised |  | S6-212133 |
| S6-212016 | Clarification on multicast MBS service announcement | Huawei, Hisilicon | approved |  |  |
| S6-212017 | Remove the editor's note in the evaluation clauses from Sol#12 and Sol#13 | Huawei, Hisilicon, CBN | approved |  |  |
| S6-212018 | Remove the editor's note in the evaluation clauses from Sol#14 and Sol#15 | Huawei, Hisilicon, CBN | approved |  |  |
| S6-212019 | Remove the editor's note in the evaluation clauses from Sol#16 | Huawei, Hisilicon, CBN | approved |  |  |
| S6-212020 | Remove the editor's note in the evaluation clauses from Sol#17 | Huawei, Hisilicon, CBN | approved |  |  |
| S6-212021 | Remove the editor's note in the evaluation clauses from Sol#19 | Huawei, Hisilicon, CBN | approved |  |  |
| S6-212022 | Overall evaluations for MBS solutions | Huawei, Hisilicon, CBN | revised |  | S6-212134 |
| S6-212023 | Conclusions for MBS solutions | Huawei, Hisilicon, CBN | revised |  | S6-212135 |
| S6-212024 | Update to the temporary group call regrouping procedures | Huawei, Hisilicon | not pursued | S6-211860 | - |
| S6-212025 | Correction to the UAV ID assignment assumption | Huawei, Hisilicon | agreed |  |  |
| S6-212026 | Correction to add the missing reference of UUAA 5GC procedure | Huawei, Hisilicon | agreed |  |  |
| S6-212027 | Correction to the UAV application message information flow | Huawei, Hisilicon | agreed |  |  |
| S6-212028 | Correction to the input and output of Notify C2 communication mode switching operation | Huawei, Hisilicon | agreed |  |  |
| S6-212029 | Correction to add the missing API operation for C2 operation mode configuration complete notification | Huawei, Hisilicon | revised |  | S6-212137 |
| S6-212030 | Correction about IP address use as UAV ID | Huawei, Hisilicon | revised |  | S6-212138 |
| S6-212031 | Correction to the usage of UAS ID | Huawei, Hisilicon | revised |  | S6-212139 |
| S6-212032 | Correction to the C2 operation mode switching confirmation | Huawei, Hisilicon | agreed |  |  |
| S6-212033 | Correction to add the missing UAE layer registration procedure | Huawei, Hisilicon | revised |  | S6-212140 |
| S6-212034 | Resolving the editor's note regarding usage of realtime UAV status | Huawei, Hisilicon | revised |  | S6-212141 |
| S6-212035 | Corrections to network monitoring procedures | Huawei, Hisilicon | postponed |  |  |
| S6-212036 | Key issue on ECS discovery and service continuity support across ECSPs | Huawei, Hisilicon | revised |  | S6-212142 |
| S6-212037 | Key issue on service provisioning for Roaming scenario | Huawei, Hisilicon | merged |  | S6-212170 |
| S6-212038 | Key issue on UE location detection for service continuity planning | Huawei, Hisilicon | merged |  | S6-212087 |
| S6-212039 | Update to Key issue 4 | Huawei, Hisilicon | revised |  | S6-212143 |
| S6-212040 | New solution to MBMS support | Huawei, Hisilicon | postponed |  |  |
| S6-212041 | New KI on dynamic slice SLA alignment | Huawei, Hisilicon, Lenovo, CMCC | revised |  | S6-212144 |
| S6-212042 | Reply LS on work split for MBSF and MBSTF definition | SA4 | noted |  |  |
| S6-212043 | LS on 5G capabilities exposure for factories of the future | SA2 | noted |  |  |
| S6-212044 |  LS response on MSGin5G store-and-forward clarifications | SA1 | noted | - | - |
| S6-212045 | Key issue - enhancement of dynamic EAS instantiation | Samsung | revised | S6-211935 | S6-212169 |
| S6-212046 | Key issue on edge computing service policy framework | Samsung | postponed | S6-211936 | - |
| S6-212047 | Key issue on supporting roaming UEs | Samsung, Convida Wireless | revised | S6-211937 | S6-212170 |
| S6-212048 | Push notification support | Samsung | approved | S6-211938 | - |
| S6-212049 | Push notification support | Samsung | withdrawn | S6-211938 | - |
| S6-212050 | Update on ECS configuration information | Samsung | postponed | S6-211942 | - |
| S6-212051 | Group information query | Huawei, Hisilicon | revised | S6-211963 | S6-212156 |
| S6-212052 | Resolving the editor’s note on the use of SBA terminology | ETRI, Uangel | revised | S6-211909 | S6-212147 |
| S6-212053 | Corrections to references, descriptions, and clause title of TS 23.558 | ETRI, Uangel | revised | S6-211947 | S6-212150 |
| S6-212054 | New Key Issue – Enablement of Service APIs exposed by EAS | ETRI, Uangel | approved | S6-211881 | - |
| S6-212055 | Pseudo-CR on Extension for the use of predefined 5QIs for MCData service capabilities | Union Inter. Chemins de Fer | approved | S6-211918 | - |
| S6-212056 | MCPTT group call connect and disconnect aspects over broadcast and multicast MBS sessions | Ericsson | revised | S6-211911 | S6-212157 |
| S6-212057 | pCR on MCVideo group call aspects over broadcast and multicast MBS sessions | Ericsson | revised | S6-211916 | S6-212158 |
| S6-212058 | Revised SID on Study of Interconnection and Migration Aspects for Railways | Nokia, Nokia Shanghai Bell | agreed | S6-211888 | - |
| S6-212059 | Study Conclusions | Nokia, Nokia Shanghai Bell, UIC | approved | S6-211891 | - |
| S6-212060 | New WID on Gateway UE function for Mission Critical Communication | Nokia, Nokia Shanghai Bell | revised | S6-211894 | S6-212173 |
| S6-212061 | pCR updating solution 11 on MC service data transmission over MBS sessions | Ericsson | approved | S6-211917 | - |
| S6-212062 | Clarifications for Location management PLUS NEW enhancements for MC service UE label | BDBOS | agreed | S6-211882 | - |
| S6-212063 | Revised SID Study on Mission Critical services support over 5G System | Netherlands Police | agreed | S6-211870 | - |
| S6-212064 | New SID for Study on application layer enablers for Smart Grid | HiSilicon Technologies Co. Ltd | postponed | S6-211934 | - |
| S6-212065 | Pseudo-CR on fused location service architecture | CATT | revised | S6-211985 | S6-212176 |
| S6-212066 | Pseudo-CR on key issue for supporting SUPL | CATT | approved | S6-211986 | - |
| S6-212067 | Pseudo-CR on location service differentiation | CATT | approved | S6-211987 | - |
| S6-212068 | Reply LS on RAT type for network monitoring | CATT | revised | S6-211988 | S6-212146 |
| S6-212069 | solution for KI#2 | China Mobile Com. Corporation, Lenovo, Motorola Mobility, Huawei | approved | S6-211952 | - |
| S6-212070 | Application Architecture | China Mobile Com. Corporation, Huawei | revised | S6-211951 | S6-212161 |
| S6-212071 | New SID on enhanced architecture for UAS applications | InterDigital | revised | S6-211869 | S6-212172 |
| S6-212072 | Proxy option in the UE-originated API invocation | NTT DOCOMO | postponed | S6-211872 | - |
| S6-212073 | Network/UE status monitoring | NTT DOCOMO | postponed | S6-211873 | - |
| S6-212074 | Architectural requirements for SNAAPP | NTT DOCOMO | revised | S6-211874 | S6-212165 |
| S6-212075 | Business relationship in SNA | NTT DOCOMO | approved | S6-211875 | - |
| S6-212076 | API invoker obtaining authorisation using the authorisation code | NTT DOCOMO | approved | S6-211876 | - |
| S6-212077 | New KI on network slice fault management capability exposure | Huawei, China Mobile Com. Corporation | revised | S6-211925 | S6-212162 |
| S6-212078 | New KI on Application layer communication service management exposure requirement | Huawei, Hisilicon, Lenovo, Motorola Mobility, China Mobile Com. Corporation | revised | S6-211927 | S6-212080 |
| S6-212079 | new KI on Application layer QoS verification capability exposure requirement | Huawei, Hisilicon | approved | S6-211928 | - |
| S6-212080 | New KI on Application layer communication service management exposure requirement | Huawei, Hisilicon, Lenovo, Motorola Mobility, China Mobile Com. Corporation | approved | S6-212078 | - |
| S6-212081 | Removal of deposit file indication from MCData FD request using HTTP | Samsung | agreed | S6-211930 | - |
| S6-212082 | Clarification in section 3.1 definitions | Samsung Electronics Polska | revised | S6-211939 | S6-212153 |
| S6-212083 | Correction of preconditions and statements related to storing of MCData communication into Message store | Samsung | agreed | S6-211929 | - |
| S6-212084 | Clarification in section 5.2 Application Architecture | Samsung Electronics Polska | approved | S6-211941 | - |
| S6-212085 | clarifying the lossless communication | Samsung | agreed | S6-211931 | - |
| S6-212086 | Key Issue on support for vertical-tailored hybrid positioning | Lenovo, Motorola Mobility | approved | S6-211966 | - |
| S6-212087 | Key Issue on Service Continuity Planning enhancements | Lenovo, Motorola Mobility | approved | S6-211968 | - |
| S6-212088 | New SID on Study on Integrated Analytics Enablement Service | Lenovo, Motorola Mobility | postponed | S6-211982 | - |
| S6-212089 | Clarification in section 5.3.2.1 General functionalities of MSGin5G Server | Samsung Electronics Polska | approved | S6-211943 | - |
| S6-212090 | EEC context relocation | Samsung | agreed | S6-211969 | - |
| S6-212091 | ENs in clause 6.2 | Samsung | postponed | S6-211970 | - |
| S6-212092 | GPSI format | Samsung | agreed | S6-211971 | - |
| S6-212093 | ACR preconditions for EEC | Samsung | revised | S6-211974 | S6-212149 |
| S6-212094 | Corrections to ACR launching procedure | Samsung | agreed | S6-211977 | - |
| S6-212095 | Corrections to T-EES discovery | Samsung | agreed | S6-211978 | - |
| S6-212096 | New KI Application traffic coordination with 3GPP UP connectivity | Ericsson | postponed | S6-211901 | - |
| S6-212097 | Support for TSC services procedures | Ericsson LM | revised | S6-211961 | S6-212151 |
| S6-212098 | New KI Energy efficient communication in EC | Ericsson | postponed | S6-211902 | - |
| S6-212099 | Support for TSN services procedures | Ericsson LM | agreed | S6-211962 | - |
| S6-212100 | Unicast QoS monitoring data retrieval | Ericsson LM | agreed | S6-211964 | - |
| S6-212101 | New KI Encrypted application traffic detection | Ericsson | revised | S6-211903 | S6-212166 |
| S6-212102 | New solution for encrypted traffic detection | Ericsson, Samsung | revised | S6-211910 | S6-212167 |
| S6-212103 | pCR for Key Issue on EDGE-5 | Qualcomm Incorporated | approved | S6-211899 | - |
| S6-212104 | Clarification in section 5.3.5 Application Client | Samsung Electronics Polska | revised | S6-211945 | S6-212154 |
| S6-212105 | Clarification in section 5.3.6 Application Server | Samsung Electronics Polska | approved | S6-211946 | - |
| S6-212106 | Pseudo-CR on handling the Editors Note | Samsung | approved | S6-211932 | - |
| S6-212107 | 5GMARCH TS 23.554 clean-up | China Mobile Com. Corporation | revised | - | S6-212177 |
| S6-212108 | Presentation of TS23.554 to SA for approval | China Mobile Com. Corporation | revised | S6-211960 | S6-212178 |
| S6-212109 | Updates to Location based Group | Samsung | revised | S6-211989 | S6-212152 |
| S6-212110 | Pseudo-CR on New Key Issue on detection of subscriber centric API | Samsung, NTT DOCOMO | postponed | S6-211990 | - |
| S6-212111 | Pseudo-CR on group notification to Message Gateway | Samsung, BDBOS | postponed | S6-211991 | - |
| S6-212112 | Pseudo-CR on KI for ACR between EAS and Cloud Application | Samsung | revised | S6-211994 | S6-212171 |
| S6-212113 | Pseudo-CR on new KI for Application server monitoring | Samsung | approved | S6-211995 | - |
| S6-212114 | Pseudo-CR on new KI to enable support for managing trusted third-party owned application(s) | Samsung | revised | S6-211996 | S6-212163 |
| S6-212115 | New Key Issue on EAS and MEC Application alignment | Intel Technology India Pvt Ltd | approved | S6-211896 | - |
| S6-212116 | New SID on Service Function chaining support for Edge data networks | Intel Technology India Pvt Ltd | postponed | S6-211895 | - |
| S6-212117 | Pseudo-CR on MSGin5G Server Function | Samsung | postponed | S6-211992 | - |
| S6-212118 | 5GMARCH store and forward | Convida Wireless LLC | revised | S6-211904 | S6-212164 |
| S6-212119 | Resolve EN on AC Profile Parameter Ranges IE | Convida Wireless LLC | revised | S6-211923 | S6-212148 |
| S6-212120 | EAS selection KI | Convida Wireless LLC | revised | S6-211907 | S6-212168 |
| S6-212121 | IoT Platform PSM monitoring and configuration KI | Convida Wireless LLC | approved | S6-211905 | - |
| S6-212122 | Edge messaging optimization KI | Convida Wireless LLC | postponed | S6-211908 | - |
| S6-212123 | Cancellation Support in ACR | Huawei, Hisilicon | postponed | S6-211999 | - |
| S6-212124 | ACR identification | Huawei, Hisilicon | postponed | S6-212000 | - |
| S6-212125 | Provide EES endpoint in ACR request to enable EEC context relocation during ACR | Huawei, Hisilicon | agreed | S6-212001 | - |
| S6-212126 | Correction on ACR information subscription request | Huawei, Hisilicon | postponed | S6-212003 | - |
| S6-212127 | Resolving the mismatch of selected ACR scenario between EEC and EAS | Huawei, Hisilicon | postponed | S6-212005 | - |
| S6-212128 | New WID for study on SEAL data delivery enabler for vertical applications | Huawei, Hisilicon | revised | S6-212007 | S6-212174 |
| S6-212129 | New WID on study on enhancements to application layer support for V2X services Phase 2 | Huawei, Hisilicon | revised | S6-212008 | S6-212175 |
| S6-212130 | Support of local MBS features | Huawei, Hisilicon, CBN, CATT | revised | S6-212010 | S6-212159 |
| S6-212131 | MBS service de-announcement | Huawei, Hisilicon | approved | S6-212013 | - |
| S6-212132 | Clarification on broadcast service area usage | Huawei, Hisilicon | approved | S6-212014 | - |
| S6-212133 | Update to Solution#8 | Huawei, Hisilicon, CBN | approved | S6-212015 | - |
| S6-212134 | Overall evaluations for MBS solutions | Huawei, Hisilicon, CBN | revised | S6-212022 | S6-212160 |
| S6-212135 | Conclusions for MBS solutions | Huawei, Hisilicon, CBN | postponed | S6-212023 | - |
| S6-212136 | Update to the temporary group call regrouping procedures | Huawei, Hisilicon | withdrawn | S6-212024 | - |
| S6-212137 | Correction to add the missing API operation for C2 operation mode configuration complete notification | Huawei, Hisilicon | agreed | S6-212029 | - |
| S6-212138 | Correction about IP address use as UAV ID | Huawei, Hisilicon | agreed | S6-212030 | - |
| S6-212139 | Correction to the usage of UAS ID | Huawei, Hisilicon | agreed | S6-212031 | - |
| S6-212140 | Correction to add the missing UAE layer registration procedure | Huawei, Hisilicon | agreed | S6-212033 | - |
| S6-212141 | Resolving the editor's note regarding usage of realtime UAV status | Huawei, Hisilicon | agreed | S6-212034 | - |
| S6-212142 | Key issue on ECS discovery and service continuity support across ECSPs | Huawei, Hisilicon | approved | S6-212036 | - |
| S6-212143 | Update to Key issue 4 | Huawei, Hisilicon | approved | S6-212039 | - |
| S6-212144 | New KI on dynamic slice SLA alignment | Huawei, Hisilicon, Lenovo, CMCC | approved | S6-212041 | - |
| S6-212145 | SA6-45-e Work Plan Review | SA6 Chair | noted | - | - |
| S6-212146 | Reply LS on RAT type for network monitoring | CATT | approved | S6-212068 | - |
| S6-212147 | Resolving the editor’s note on the use of SBA terminology | ETRI, Uangel | agreed | S6-212052 | - |
| S6-212148 | Resolve EN on AC Profile Parameter Ranges IE | Convida Wireless LLC | agreed | S6-212119 | - |
| S6-212149 | ACR preconditions for EEC | Samsung | agreed | S6-212093 | - |
| S6-212150 | Corrections to references, descriptions, and clause title of TS 23.558 | ETRI, Uangel | agreed | S6-212053 | - |
| S6-212151 | Support for TSC services procedures | Ericsson LM | agreed | S6-212097 | - |
| S6-212152 | Updates to Location based Group | Samsung | agreed | S6-212109 | - |
| S6-212153 | Clarification in section 3.1 definitions | Samsung Electronics Polska | approved | S6-212082 | - |
| S6-212154 | Clarification in section 5.3.5 Application Client | Samsung Electronics Polska | approved | S6-212104 | - |
| S6-212155 | Figures correction | Huawei, Hisilicon | approved | S6-211956 | - |
| S6-212156 | Group information query | Huawei, Hisilicon | approved | S6-212051 | - |
| S6-212157 | MCPTT group call connect and disconnect aspects over broadcast and multicast MBS sessions | Ericsson | approved | S6-212056 | - |
| S6-212158 | pCR on MCVideo group call aspects over broadcast and multicast MBS sessions | Ericsson | approved | S6-212057 | - |
| S6-212159 | Support of local MBS features | Huawei, Hisilicon, CBN, CATT | approved | S6-212130 | - |
| S6-212160 | Overall evaluations for MBS solutions | Huawei, Hisilicon, CBN | approved | S6-212134 | - |
| S6-212161 | Application Architecture | China Mobile Com. Corporation, Huawei | approved | S6-212070 | - |
| S6-212162 | New KI on network slice fault management capability exposure | Huawei, China Mobile Com. Corporation | approved | S6-212077 | - |
| S6-212163 | Pseudo-CR on new KI to enable support for managing trusted third-party owned application(s) | Samsung | approved | S6-212114 | - |
| S6-212164 | 5GMARCH store and forward | Convida Wireless LLC | approved | S6-212118 | - |
| S6-212165 | Architectural requirements for SNAAPP | NTT DOCOMO | approved | S6-212074 | - |
| S6-212166 | New KI Encrypted application traffic detection | Ericsson | approved | S6-212101 | - |
| S6-212167 | New solution for encrypted traffic detection | Ericsson, Samsung | approved | S6-212102 | - |
| S6-212168 | EAS selection KI | Convida Wireless LLC | approved | S6-212120 | - |
| S6-212169 | Key issue - enhancement of dynamic EAS instantiation | Samsung | approved | S6-212045 | - |
| S6-212170 | Key issue on supporting roaming UEs | Samsung, Convida Wireless | approved | S6-212047 | - |
| S6-212171 | Pseudo-CR on KI for ACR between EAS and Cloud Application | Samsung | approved | S6-212112 | - |
| S6-212172 | New SID on enhanced architecture for UAS applications | InterDigital | agreed | S6-212071 | - |
| S6-212173 | New WID on Gateway UE function for Mission Critical Communication | Nokia, Nokia Shanghai Bell | agreed | S6-212060 | - |
| S6-212174 | New WID for study on SEAL data delivery enabler for vertical applications | Huawei, Hisilicon | agreed | S6-212128 | - |
| S6-212175 | New WID on study on enhancements to application layer support for V2X services Phase 2 | Huawei, Hisilicon | agreed | S6-212129 | - |
| S6-212176 | Pseudo-CR on fused location service architecture | CATT | approved | S6-212065 | - |
| S6-212177 | 5GMARCH TS 23.554 clean-up | China Mobile Com. Corporation | approved | S6-212107 | - |
| S6-212178 | Presentation of TS23.554 to SA for approval | China Mobile Com. Corporation | agreed | S6-212108 | - |
| S6-212179 | Exception sheet 5GMARCH | SA6 | agreed | - | - |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S6-212025 | Correction to the UAV ID assignment assumption | Huawei, Hisilicon | 23.255 | 0008 | - | Rel-17 | F | UASAPP | agreed |
| S6-212026 | Correction to add the missing reference of UUAA 5GC procedure | Huawei, Hisilicon | 23.255 | 0009 | - | Rel-17 | F | UASAPP | agreed |
| S6-212027 | Correction to the UAV application message information flow | Huawei, Hisilicon | 23.255 | 0010 | - | Rel-17 | F | UASAPP | agreed |
| S6-212028 | Correction to the input and output of Notify C2 communication mode switching operation | Huawei, Hisilicon | 23.255 | 0011 | - | Rel-17 | F | UASAPP | agreed |
| S6-212029 | Correction to add the missing API operation for C2 operation mode configuration complete notification | Huawei, Hisilicon | 23.255 | 0012 | - | Rel-17 | F | UASAPP | revised |
| S6-212137 | Correction to add the missing API operation for C2 operation mode configuration complete notification | Huawei, Hisilicon | 23.255 | 0012 | 1 | Rel-17 | F | UASAPP | agreed |
| S6-212030 | Correction about IP address use as UAV ID | Huawei, Hisilicon | 23.255 | 0013 | - | Rel-17 | F | UASAPP | revised |
| S6-212138 | Correction about IP address use as UAV ID | Huawei, Hisilicon | 23.255 | 0013 | 1 | Rel-17 | F | UASAPP | agreed |
| S6-212031 | Correction to the usage of UAS ID | Huawei, Hisilicon | 23.255 | 0014 | - | Rel-17 | F | UASAPP | revised |
| S6-212139 | Correction to the usage of UAS ID | Huawei, Hisilicon | 23.255 | 0014 | 1 | Rel-17 | F | UASAPP | agreed |
| S6-212032 | Correction to the C2 operation mode switching confirmation | Huawei, Hisilicon | 23.255 | 0015 | - | Rel-17 | F | UASAPP | agreed |
| S6-212033 | Correction to add the missing UAE layer registration procedure | Huawei, Hisilicon | 23.255 | 0016 | - | Rel-17 | F | UASAPP | revised |
| S6-212140 | Correction to add the missing UAE layer registration procedure | Huawei, Hisilicon | 23.255 | 0016 | 1 | Rel-17 | F | UASAPP | agreed |
| S6-212034 | Resolving the editor's note regarding usage of realtime UAV status | Huawei, Hisilicon | 23.255 | 0017 | - | Rel-17 | F | UASAPP | revised |
| S6-212141 | Resolving the editor's note regarding usage of realtime UAV status | Huawei, Hisilicon | 23.255 | 0017 | 1 | Rel-17 | F | UASAPP | agreed |
| S6-211882 | Clarifications for Location management PLUS NEW enhancements for MC service UE label | BDBOS | 23.280 | 0293 | 1 | Rel-17 | F | enh3MCPTT | revised |
| S6-212062 | Clarifications for Location management PLUS NEW enhancements for MC service UE label | BDBOS | 23.280 | 0293 | 2 | Rel-17 | F | enh3MCPTT | agreed |
| S6-211883 | Notification URL correction | AT&T GNS Belgium SPRL | 23.282 | 0282 | - | Rel-17 | F | eMCData3 | agreed |
| S6-211884 | Clarify the supports of stored and forward functionality | AT&T GNS Belgium SPRL | 23.282 | 0283 | - | Rel-17 | F | eMCData3 | agreed |
| S6-211929 | Correction of preconditions and statements related to storing of MCData communication into Message store | Samsung | 23.282 | 0284 | - | Rel-17 | F | eMCData3 | revised |
| S6-212083 | Correction of preconditions and statements related to storing of MCData communication into Message store | Samsung | 23.282 | 0284 | 1 | Rel-17 | F | eMCData3 | agreed |
| S6-211930 | Removal of deposit file indication from MCData FD request using HTTP | Samsung | 23.282 | 0285 | - | Rel-17 | F | eMCData3 | revised |
| S6-212081 | Removal of deposit file indication from MCData FD request using HTTP | Samsung | 23.282 | 0285 | 1 | Rel-17 | F | eMCData3 | agreed |
| S6-211931 | clarifying the lossless communication | Samsung | 23.282 | 0286 | - | Rel-17 | F | eMCData3 | revised |
| S6-212085 | clarifying the lossless communication | Samsung | 23.282 | 0286 | 1 | Rel-17 | F | eMCData3 | agreed |
| S6-212035 | Corrections to network monitoring procedures | Huawei, Hisilicon | 23.286 | 0070 | - | Rel-17 | F | eV2XAPP | postponed |
| S6-212024 | Update to the temporary group call regrouping procedures | Huawei, Hisilicon | 23.379 | 0295 | 3 | Rel-17 | F | enh3MCPTT | not pursued |
| S6-212136 | Update to the temporary group call regrouping procedures | Huawei, Hisilicon | 23.379 | 0295 | 4 | Rel-17 | F | enh3MCPTT | withdrawn |
| S6-211989 | Updates to Location based Group | Samsung | 23.434 | 0078 | 3 | Rel-17 | C | eSEAL | revised |
| S6-212109 | Updates to Location based Group | Samsung | 23.434 | 0078 | 4 | Rel-17 | C | eSEAL | revised |
| S6-212152 | Updates to Location based Group | Samsung | 23.434 | 0078 | 5 | Rel-17 | C | eSEAL | agreed |
| S6-211961 | Support for TSC services procedures | Ericsson LM | 23.434 | 0079 | - | Rel-17 | F | eSEAL | revised |
| S6-212097 | Support for TSC services procedures | Ericsson LM | 23.434 | 0079 | 1 | Rel-17 | F | eSEAL | revised |
| S6-212151 | Support for TSC services procedures | Ericsson LM | 23.434 | 0079 | 2 | Rel-17 | F | eSEAL | agreed |
| S6-211962 | Support for TSN services procedures | Ericsson LM | 23.434 | 0080 | - | Rel-17 | F | eSEAL | revised |
| S6-212099 | Support for TSN services procedures | Ericsson LM | 23.434 | 0080 | 1 | Rel-17 | F | eSEAL | agreed |
| S6-211964 | Unicast QoS monitoring data retrieval | Ericsson LM | 23.434 | 0081 | - | Rel-17 | B | eSEAL | revised |
| S6-212100 | Unicast QoS monitoring data retrieval | Ericsson LM | 23.434 | 0081 | 1 | Rel-17 | B | eSEAL | agreed |
| S6-211969 | EEC context relocation | Samsung | 23.558 | 0008 | 3 | Rel-17 | F | EDGEAPP | revised |
| S6-212090 | EEC context relocation | Samsung | 23.558 | 0008 | 4 | Rel-17 | F | EDGEAPP | agreed |
| S6-212006 | Resolving EN about AutomatedACR terminology | Huawei, Hisilicon | 23.558 | 0024 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-211898 | Supporting IP Address to GPSI conversion when NAT is present. | Qualcomm Incorporated | 23.558 | 0025 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-211909 | Resolving the editor’s note on the use of SBA terminology | ETRI, Uangel | 23.558 | 0026 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212052 | Resolving the editor’s note on the use of SBA terminology | ETRI, Uangel | 23.558 | 0026 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-212147 | Resolving the editor’s note on the use of SBA terminology | ETRI, Uangel | 23.558 | 0026 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-211923 | Resolve EN on AC Profile Parameter Ranges IE | Convida Wireless LLC | 23.558 | 0027 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212119 | Resolve EN on AC Profile Parameter Ranges IE | Convida Wireless LLC | 23.558 | 0027 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-212148 | Resolve EN on AC Profile Parameter Ranges IE | Convida Wireless LLC | 23.558 | 0027 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-211940 | Remove editor's note for AC information subscription request | Samsung | 23.558 | 0028 | - | Rel-17 | F | EDGEAPP | withdrawn |
| S6-211942 | Update on ECS configuration information | Samsung | 23.558 | 0029 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212050 | Update on ECS configuration information | Samsung | 23.558 | 0029 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-211947 | Corrections to references, descriptions, and clause title of TS 23.558 | ETRI, Uangel | 23.558 | 0030 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212053 | Corrections to references, descriptions, and clause title of TS 23.558 | ETRI, Uangel | 23.558 | 0030 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-212150 | Corrections to references, descriptions, and clause title of TS 23.558 | ETRI, Uangel | 23.558 | 0030 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-211948 | Corrections to references and title of clause 4.8 | ETRI, Uangel | 23.558 | 0031 | - | Rel-17 | F | EDGEAPP | withdrawn |
| S6-211970 | ENs in clause 6.2 | Samsung | 23.558 | 0032 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212091 | ENs in clause 6.2 | Samsung | 23.558 | 0032 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-211971 | GPSI format | Samsung | 23.558 | 0033 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212092 | GPSI format | Samsung | 23.558 | 0033 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-211972 | ECS info in UE subscription data | Samsung | 23.558 | 0034 | - | Rel-17 | F | EDGEAPP | agreed |
| S6-211973 | Overlap between ACR scenarios | Samsung | 23.558 | 0035 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-211974 | ACR preconditions for EEC | Samsung | 23.558 | 0036 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212093 | ACR preconditions for EEC | Samsung | 23.558 | 0036 | 1 | Rel-17 | F | EDGEAPP | revised |
| S6-212149 | ACR preconditions for EEC | Samsung | 23.558 | 0036 | 2 | Rel-17 | F | EDGEAPP | agreed |
| S6-211975 | ENs on service continuity planning | Samsung | 23.558 | 0037 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-211976 | Failure of EEC executed ACR via T-EES | Samsung | 23.558 | 0038 | - | Rel-17 | F | EDGEAPP | withdrawn |
| S6-211977 | Corrections to ACR launching procedure | Samsung | 23.558 | 0039 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212094 | Corrections to ACR launching procedure | Samsung | 23.558 | 0039 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-211978 | Corrections to T-EES discovery | Samsung | 23.558 | 0040 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212095 | Corrections to T-EES discovery | Samsung | 23.558 | 0040 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-211979 | SA3 references | Samsung | 23.558 | 0041 | - | Rel-17 | F | EDGEAPP | agreed |
| S6-211999 | Cancellation Support in ACR | Huawei, Hisilicon | 23.558 | 0042 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212123 | Cancellation Support in ACR | Huawei, Hisilicon | 23.558 | 0042 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-212000 | ACR identification | Huawei, Hisilicon | 23.558 | 0043 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212124 | ACR identification | Huawei, Hisilicon | 23.558 | 0043 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-212001 | Provide EES endpoint in ACR request to enable EEC context relocation during ACR | Huawei, Hisilicon | 23.558 | 0044 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212125 | Provide EES endpoint in ACR request to enable EEC context relocation during ACR | Huawei, Hisilicon | 23.558 | 0044 | 1 | Rel-17 | F | EDGEAPP | agreed |
| S6-212002 | Correction on ACR information notification | Huawei, Hisilicon | 23.558 | 0045 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-212003 | Correction on ACR information subscription request | Huawei, Hisilicon | 23.558 | 0046 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212126 | Correction on ACR information subscription request | Huawei, Hisilicon | 23.558 | 0046 | 1 | Rel-17 | F | EDGEAPP | postponed |
| S6-212004 | Correction on roaming scenario for ECS discovery | Huawei, Hisilicon | 23.558 | 0047 | - | Rel-17 | F | EDGEAPP | postponed |
| S6-212005 | Resolving the mismatch of selected ACR scenario between EEC and EAS | Huawei, Hisilicon | 23.558 | 0048 | - | Rel-17 | F | EDGEAPP | revised |
| S6-212127 | Resolving the mismatch of selected ACR scenario between EEC and EAS | Huawei, Hisilicon | 23.558 | 0048 | 1 | Rel-17 | F | EDGEAPP | postponed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S6-211866 | SG13-LS212 | LS on information about draft Recommendation ITU-T Y.frd: Framework and Requirements of Network-oriented Data Integrity Verification Service based on Blockchain in Future Network | ITU-T SG13 Working Party 3/13 | postponed | (none) |
| S6-212042 | S4-211292 | Reply LS on work split for MBSF and MBSTF definition | SA4 | noted | (none) |
| S6-212043 | S2-2106683 | LS on 5G capabilities exposure for factories of the future | SA2 | noted | (none) |
| S6-212044 | S1-213208 |  LS response on MSGin5G store-and-forward clarifications | SA1 | noted | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S6-212146 | Reply LS on RAT type for network monitoring | SA2 | SA3 | S6-211130/S2-2103237 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S6-212172 | New SID on enhanced architecture for UAS applications | InterDigital | SID new |
| S6-212058 | Revised SID on Study of Interconnection and Migration Aspects for Railways | Nokia, Nokia Shanghai Bell | SID revised |
| S6-212063 | Revised SID Study on Mission Critical services support over 5G System | Netherlands Police | SID revised |
| S6-212173 | New WID on Gateway UE function for Mission Critical Communication | Nokia, Nokia Shanghai Bell | WID new |
| S6-212174 | New WID for study on SEAL data delivery enabler for vertical applications | Huawei, Hisilicon | WID new |
| S6-212175 | New WID on study on enhancements to application layer support for V2X services Phase 2 | Huawei, Hisilicon | WID new |

## Annex E: List of draft Technical Specifications and Reports

n/a

## Annex F: List of action items

n/a

## Annex G: List of decisions

n/a

## Annex H: List of participants

|  |  |  |
| --- | --- | --- |
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## Annex I: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Title** | **Start date** | **End date (OP)** | **Town** | **Country** | **Reference** |
| 3GPPSA6#45-bis | 11/10/2021 | 15/10/2021 | Online | NA | S6-45-bis- |
| 3GPPSA6#46 | 15/11/2021 | 23/11/2021 | Online | NA | S6-46 |
| 3GPPSA6#47 | 14/02/2022 | 18/02/2022 | Online  | NA | S6-47 |
| 3GPPSA6#48 | 04/04/2022 | 08/04/2022 | TBC | NA | S6-48 |
| 3GPPSA6#49 | 16/05/2022 | 20/05/2022 | TBC | NA | S6-49 |
| 3GPPSA6#49-bis | 27/06/2022 | 01/07/2022 | TBC | NA | S6-49-bis |
| 3GPPSA6#50 | 22/08/2022 | 26/08/2022 | TBC | NA | S6-50 |
| 3GPPSA6#51 | 10/10/2022 | 14/10/2022 | TBC | NA | S6-51 |
| 3GPPSA6#52 | 14/11/2022 | 18/11/2022 | TBC | NA | S6-52 |