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

**Meeting Report  
for  
TSG SA WG3  
meeting: 112**

**Goteborg, Sweden, 14/08/2023 to 18/08/2023**

Contents:

1 Agenda and Meeting Objectives 3

2 Meeting Reports 4

3 Reports and Liaisons from other Groups 4

4 Work areas (Rel-18) 24

4.1 New WID on Security Assurance Specification for Management Function (MnF) 24

4.2 New WID on SECAM and SCAS for 3GPP virtualized network products 24

4.3 Mission critical security 24

4.4 New WID on Security Assurance Specification (SCAS) for 5G Rel-17 Features 24

4.5 New WID on Security Assurance Specification for the Authentication and Key Management for Applications (AKMA) Anchor Function Function (AAnF) 24

4.6 New WID on SCAS for split-gNB product classes 24

4.7 Service Based Architecture (Rel-15/16/17) 25

4.8 Security Aspects of Proximity based services in 5GS ProSe (Rel-17) 25

4.9 All Maintenance topics (Rel-15/16/17/18 ) 25

4.9.1 Security Assurance 25

4.9.2 Service Based Architecture 31

4.9.3 Security Aspects of Proximity based services in 5GS ProSe 35

4.9.4 Mission Critical 38

4.9.5 Authentication and key management for applications based on 3GPP credential in 5G 38

4.9.6 Enhancements to User Plane Integrity Protection Support in 5GS 40

4.9.7 Security Aspects of Enhancements for 5G Multicast-Broadcast Services 40

4.9.8 Security for enhanced support of Industrial IoT 41

4.9.9 Security Aspects of eNPN 41

4.9.10 Security Aspects of Enhancement of Support for Edge Computing in 5GC 41

4.9.11 Security aspects of Uncrewed Aerial Systems 41

4.9.12 All other maintenance topics (not listed above) 42

4.10 ProSe Secondary Authentication 55

4.11 New WID on DTLS protocol profile for AKMA and GBA 56

4.12 New WID on Security Aspects of the 5G Service Based Architecture Phase 2 56

4.13 New WID on IETF OSCORE protocol profiles for GBA and AKMA 57

4.14 New WID on Security aspect of home network triggered primary authentication 58

4.15 New WID on 5G Security Assurance Specification (SCAS) for the Policy Control Function (PCF) 64

4.16 New WID on Security aspects for 5WWC Phase 2 64

4.17 Proposed WID for UAS Phase 2 security 65

4.18 New WID on Automated certicate management in SBA 67

4.19 New WID on security enhancements for NGRTC 70

4.20 New WID on Security Aspects of Enhancement of Support for Edge Computing in 5GC — phase 2 71

4.21 New WID on AKMA phase 2 75

4.22 New WID on security aspects of MSGin5G Ph2 75

4.23 New WID on security aspects of enablers for Network Automation for 5G - phase 3 75

4.24 New WID on Security aspects of enhanced support of Non-Public Networks phase 2 79

4.25 New WID on Security Aspects of Proximity-based Services in 5GS Phase 2 82

4.26 New WID on Security Aspects of Ranging Based Services and Sidelink Positioning 91

4.27 New WID on enhanced security aspects of SEAL for vertical 100

4.28 New WID on application enablement aspects for subscriber-aware northbound API access 100

4.29 New WID for Security aspects on User Consent for 3GPP services Phase 2 104

4.30 New WID on security enhancements for MBS Phase 2 104

4.31 New WID for security of SEAL Data Delivery enabler 105

5 Rel-18 Studies 105

5.1 Study on 5G security enhancement against false base stations 105

5.2 Study on Security Impacts of Virtualisation 105

5.3 Study on Security Aspects of Proximity Based Services in 5GS Phase 2 109

5.4 Study on privacy of identifiers over radio access 109

5.5 Study on Standardising Automated Certificate Management in SBA 113

5.6 New SID on AKMA phase 2 113

5.7 Study of Security aspect of home network triggered primary authentication 113

5.8 Study on security aspects of enablers for Network Automation for 5G – phase 3 113

5.9 Study on Security Enhancement of support for Edge Computing — phase 2 113

5.10 Study on Personal IoT Networks Security Aspects 119

5.11 Study on SNAAPP security 119

5.12 Study on enhanced security for network slicing Phase 3 119

5.13 Study on Security aspects for 5WWC Phase 2 119

5.14 Study on the security aspects of Artificial Intelligence (AI)/Machine Learning (ML) for the NG-RAN 119

5.15 Study on security support for Next Generation Real Time Communication services 119

5.16 Study on security aspects of enhanced support of Non-Public Networks phase 2 119

5.17 Study on Security of Phase 2 for UAS, UAV and UAM 119

5.18 Study to enable URSP rules to securely identify Applications 119

5.19 Study on Security Aspects of Ranging Based Services and Sidelink Positioning 121

5.20 Study on Security and Privacy of AI/ML-based Services and Applications in 5G 121

5.21 Study on applicability of the Zero Trust Security principles in mobile networks 121

5.22 Study of Security aspects on User Consent for 3GPP Services Phase 2 124

5.23 Study on security enhancements for 5G multicast-broadcast services Phase 2 124

5.24 Study on enhanced Security Aspects of the 5G Service Based Architecture 124

5.25 Study on Security Aspects of Satellite Access 124

5.26 All TR Clean up, Coorections etc 124

6 New Study/Work item proposals 127

7 CVD and research 137

8 Any Other Business 139

9 Closing of the meeting 139

Annex A: Contribution documents and status 140

A1: List of TDocs 140

A2: Tdoc decision timing 163

Annex B: List of change requests 177

Annex C: Lists of liaisons 188

C1: Incoming liaison statements 188

C2: Outgoing liaison statements 190

Annex D: List of agreed/approved new and revised Work Items 191

Annex E: List of draft Technical Specifications and Reports 192

Annex F: List of participants 193

Annex G: List of future meetings 197

## 1 Agenda and Meeting Objectives

Christine Jost (Ericsson) welcomed the attendees to Gothemburg on behalf of 3GPP. She presented some slides with information on the meeting location.

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 were thereby invited:

to investigate whether their organization or any other organization owns IPRs which were, or were 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 Information Statement and the Licensing declaration forms.

The attention of the delegates to the meeting was drawn to the fact that 3GPP activities were subject to all applicable antitrust and competition laws and that compliance with said laws was therefore required by any participant of the meeting, including the Chairman and Vice-Chairmen and were invited to seek any clarification needed with their legal counsel. The leadership would conduct the present meeting with 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.

**S3-233500 Agenda**

*Type: agenda For: (not specified)  
 Source: SA WG3 Chair*

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

**S3-234138 Detail agenda planning for SA3#112**

*Type: other For: (not specified)  
 Source: SA WG3 Chair*

(Replaces S3-233503)

**Decision:** The document was **revised to S3-234140**.

**S3-234140 Detail agenda planning for SA3#112**

*Type: other For: (not specified)  
 Source: SA WG3 Chair*

(Replaces S3-234138)

**Decision:** The document was **revised to S3-234175**.

**S3-234175 Detail agenda planning for SA3#112**

*Type: other For: -  
 Source: SA WG3 Chair*

(Replaces S3-234140)

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

**S3-233502 Process for SA3#112**

*Type: other For: (not specified)  
 Source: SA WG3 Chair*

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

**S3-233503 Detail agenda planning for SA3#112**

*Type: other For: (not specified)  
 Source: SA WG3 Chair*

**Decision:** The document was **revised to S3-234138**.

## 2 Meeting Reports

**S3-233501 Report from SA3#111**

*Type: report For: (not specified)  
 Source: MCC*

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

**S3-233505 Report to SA3 from SA**

*Type: report For: (not specified)  
 Source: SA WG3 Chair*

**Discussion:**

The Chair clarified that SA3 was able to ask for clarification to GSMA but no work could be started before SA1's task was concluded.

Vodafone pointed out that there were a large number of inputs to this meeting. Maybe SA3 could still submot them to SA and they could decide. Suresh replied that the guidance was clear for not starting any work. SA1 would start with use cases and requirements. Vodafone commented that the operators would not follow 3GPP's guidance and work on their own.

Nokia commented that this guidance could apply to new use cases and not existent ones. SA3 could work on the latter. NTT-Docomo said that some offline discussions were needed to know how to handle this.

Qualcomm: exception sheets not approved?

The Chair commented that for Prose secondayr authentication stage 2 the window was closed. This meant that SA3 could no longer work on this topic, so the present meeting would be the last meeting where to treat this.

Qualcomm: it is up to SA2 to reopen this topic.

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

## 3 Reports and Liaisons from other Groups

**S3-233506 LS on Handling of SOR counter and the UE parameter update counter if stored in NVM**

*Type: LS in For: Information  
 Original outgoing LS: C1-232696, to SA3, cc -  
 Source: C1-232696*

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

**S3-233891 Handling of SoR/UPU Counter if stored in NVM**

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

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

**S3-233642 LS reply on AKMA service restrictions in Rel-17**

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

**Discussion:**

Qualcomm: not aligned with this response, I prefer CMCC and Huawei's response. Remove the roaming restriction and use Huawei's proposal as a baseline.

Ericsson: why change Rel-17 if we didn’t change anything in Rel-18?

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

**S3-234063 Handling on SoR counter and the UE paramter update counter if stored in NVM**

*Type: discussion For: Discussion  
 Source: THALES*

**Discussion:**

Nokia: let's see the options and create a CR from there.

Huawei: this will fix it for new Ues, but this is not likely. We prefer Thales' option.

Qualcomm: we agree that there is an issue. Thales' option doesn’t work for the existing SIMs.Our solution is backwards compatible and no network impact.

Apple: this doesn’t happen frequently and it happens after Rel-16. Leave it to the UE.

Ericsson: Thales for Rel-15 and ahead. Qualcomm's proposal for the rest.

IDEMIA: Only The USIMs from Rel-15 are the issue because the storage of SoR in USIM is not present. The USIMs Rel-16 and beyond are OK

NTT-Docomo: we have really old UICCs in the field..OTA will not solve the problem for these UICCss.

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

**S3-233824 Reply LS on Handling of SOR counter and the UE parameter update counter if stored in NVM**

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

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

**S3-234066 Reply LS on Handling of SoR counter and the UE parameter update counter in NVM**

*Type: LS out For: Approval  
 to CT1  
 Source: THALES*

**Discussion:**

Huawei: we should agree on network impact to avoid discussing this again.

The Chair recommended to have offline discussions in order to progress in the next meeting.

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

**S3-234305 Reply LS on Handling of SoR counter and the UE parameter update counter in NVM**

*Type: LS out For: Approval  
 to CT1  
 Source: THALES*

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

**S3-233511 LS on Authentication Result Removal**

*Type: LS in For: Information  
 Original outgoing LS: C4-224418, to SA3, cc -  
 Source: C4-224418*

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

**S3-233645 Discussion paper on authentication result removal**

*Type: discussion For: Endorsement  
 33.501 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: this will cause more problems.

Qualcomm: note this, not endorsed. We don't want changes in the ME, if there is a problem this can be solved in the network implementation.

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

**S3-233646 LS reply on Authentication Result Removal**

*Type: LS out For: Approval  
 to CT4  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234025 Reply LS on Authentication Result Removal**

*Type: LS out For: Approval  
 to CT4  
 Source: Ericsson*

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

**S3-234306 Reply LS on Authentication Result Removal**

*Type: LS out For: Approval  
 to CT4  
 Source: Ericsson*

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

**S3-233507 LS on Retrieving keys for decryption of protected IEs for U2N relay**

*Type: LS in For: Information  
 Original outgoing LS: C1-234362, to SA3, cc -  
 Source: C1-234362*

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

**S3-234096 Reply LS on Retrieving keys for decryption of protected IEs for U2N relay**

*Type: LS out For: Approval  
 to CT1  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-233879 Draft Reply LS on Retrieving keys for decryption of protected IEs for U2N relay**

*Type: LS out For: Approval  
 to CT1  
 Source: Qualcomm Incorporated*

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

**S3-234307 Reply LS on Retrieving keys for decryption of protected Ies for U2N relay**

*Type: LS out For: Approval  
 to CT1  
 Source: Qualcomm Incorporated*

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

**S3-233903 Retrieving keys for decryption of protected IEs for U2N relay**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0117 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S3-233904 LS reply on LS on Retrieving keys for decryption of protected IEs for U2N relay**

*Type: LS out For: Agreement  
 to CT1  
 Source: Ericsson*

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

**S3-233514 LS on Reporting of Relay UE C-RNTI and NCGI**

*Type: LS in For: Information  
 Original outgoing LS: R2-2306693, to SA3, cc -  
 Source: R2-2306693*

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

**S3-234095 Reply LS on Reporting of Relay UE C-RNTI and NCGI**

*Type: LS out For: Approval  
 to RAN2  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-233616 LS reply on Reporting of Relay UE C-RNTI and NCGI**

*Type: LS out For: Approval  
 to RAN2  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233508 Handling of access tokens provided by ECS to the EEC for accessing EES(s)**

*Type: LS in For: Information  
 Original outgoing LS: C1-234363, to SA3, cc SA6, CT3  
 Source: C1-234363*

**Decision:** The document was **replied to in S3-234153**.

**S3-233851 Reply LS on Handling of access tokens provided by ECS to the EEC for accessing EES(s)**

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

**Decision:** The document was **revised to S3-234153**.

**S3-234153 Reply LS on Handling of access tokens provided by ECS to the EEC for accessing EES(s)**

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

(Replaces S3-233851)

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

**S3-233520 Reply LS on enforcement of AF specific identifier**

*Type: LS in For: Information  
 Original outgoing LS: S2-2307787, to SA3, SA6, cc -  
 Source: S2-2307787*

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

**S3-233525 LS on user consent for UE location sharing**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-230351*

**Decision:** The document was **replied to in S3-234308**.

**S3-233823 Reply LS on user consent for UE location sharing (S6-230351)**

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

**Decision:** The document was **revised to S3-234308**.

**S3-234308 Reply LS on user consent for UE location sharing (S6-230351)**

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

(Replaces S3-233823)

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

**S3-233526 Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-231061*

**Decision:** The document was **replied to in S3-234309**.

**S3-233630 LS reply to LS C1-234363 on EES access authorization token issued by ECS**

*Type: LS out For: Approval  
 to CT1, cc 3GPPLiaison@etsi.org  
 Source: InterDigital Belgium. LLC*

**Abstract:**

LS C1-234363 on LS on Handling of access tokens provided by ECS to the EEC for accessing EES(s) from 3GPP CT1

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

**S3-233822 Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network (S6-231061)**

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

**Decision:** The document was **revised to S3-234309**.

**S3-234309 Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network (S6-231061)**

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

(Replaces S3-233822)

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

**S3-233529 LS on REl-18 work on architecture for enabling Edge Applications**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-232197*

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

**S3-233509 LS on AKMA service restrictions in Rel-17**

*Type: LS in For: Information  
 Original outgoing LS: C3-232563, to SA3, cc SA2  
 Source: C3-232563*

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

**S3-233762 Draft Reply LS on AKMA service restrications**

*Type: LS out For: Approval  
 to CT3, cc SA2  
 Source: Huawei, HiSilicon*

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

**S3-233953 Rely LS on AKMA service restrictions in Rel-17**

*Type: LS out For: Approval  
 to CT3, cc SA2  
 Source: China Mobile*

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

**S3-234280 Rely LS on AKMA service restrictions in Rel-17**

*Type: LS out For: Approval  
 to CT3, cc SA2  
 Source: China Mobile*

(Replaces -)

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

**S3-233763 Removal of the roaming restriction for Rel-17**

*Type: CR For: Agreement  
 33.535 v17.8.0 CR-0166 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-234329 Removal of the roaming restriction for Rel-17**

*Type: CR For: Agreement  
 33.535 v17.8.0 CR-0166 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-233764 Disscussion on removing roaming restriction for AKMA R-17**

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

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

**S3-233536 LS on LI for AKMA in roaming**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: s3i230421*

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

**S3-233592 Response LS on LI for AKMA in roaming**

*Type: LS out For: Approval  
 to SA3-LI, cc GSMA FASG  
 Source: NDRE*

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

**S3-233593 Discussion on Response LS to SA3LI regarding AKMA Roaming**

*Type: discussion For: Endorsement  
 Source: NDRE*

**Discussion:**

Qualcomm: we should go for CMCC's response as we studied and concluded already on this.This is also application dependent and out of scope of our work.

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

**S3-233952 Reply LS on LI for AKMA in roaming**

*Type: LS out For: Approval  
 to SA3-LI, cc GSMA FASG  
 Source: China Mobile*

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

**S3-234310 Reply LS on LI for AKMA in roaming**

*Type: LS out For: Approval  
 to SA3-LI, cc GSMA FASG  
 Source: China Mobile*

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

**S3-233510 Reply LS on CAPIF extensibility**

*Type: LS in For: Information  
 Original outgoing LS: C3-232686, to SA6, SA3, cc SA, CT, ETSI ISG MEC  
 Source: C3-232686*

**Decision:** The document was **replied to in S3-234154**.

**S3-233787 LS.reply on CAPIF extensibility**

*Type: LS out For: Approval  
 to CT3  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234154**.

**S3-234154 LS.reply on CAPIF extensibility**

*Type: LS out For: Approval  
 to CT3, cc SA6,ETSI MEC  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233787)

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

**S3-234061 LS on CAPIF specification conflict**

*Type: LS out For: (not specified)  
 to CT3  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Qualcomm didn’t agree with this LS.

It was agreed to try to solve this in CT3.

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

**S3-233512 LS on Removal of the uavAuthenticated IE from Create SM Context Request**

*Type: LS in For: Information  
 Original outgoing LS: C4-230790, to SA3, cc CT1, SA2  
 Source: C4-230790*

**Discussion:**

Postponed until SA3 gets a response from SA2.

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

**S3-233513 LS on Security Context Transfer between MBSF and MBSTF**

*Type: LS in For: Information  
 Original outgoing LS: C4-232462, to 3GPP SA3, 3GPP SA4, cc 3GPP CT3, 3GPP SA2  
 Source: C4-232462*

**Decision:** The document was **replied to in S3-234155**.

**S3-233721 Reply LS on Security Context Transfer between MBSF and MBSTF**

*Type: LS out For: Approval  
 to CT4, SA4, cc CT3, SA2  
 Source: Huawei, HiSilicon*

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

**S3-234054 Reply LS on Security Context Transfer between MBSF and MBSTF**

*Type: LS out For: Approval  
 to CT4, SA4, cc SA2, CT3  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234155**.

**S3-234155 Reply LS on Security Context Transfer between MBSF and MBSTF**

*Type: LS out For: Approval  
 to CT4, SA4, cc SA2, CT3  
 Source: Ericsson*

(Replaces S3-234054)

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

**S3-233518 DNS over TLS (DoT) and DNS over HTTPS (DoH)**

*Type: LS in For: Action  
 Original outgoing LS: S2-2306210, to SA3, cc -  
 Source: S2-2306210*

**Discussion:**

Qualcomm: we prefer Huawei's option.

Nokia: Ok with Huawei, but we are not addressing the problem. Not optimistic that we can solve it during this meeting. The reality is that implementation os solving this, but the question is whether we need to do more.

Qualcomm preferred to leave it to the implementation.

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

**S3-233781 Reply LS on DNS over TLS (DoT) and DNS over HTTPS (DoH)**

*Type: LS out For: Approval  
 to SA2  
 Source: Huawei, HiSilicon*

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

**S3-234156 Reply LS on DNS over TLS (DoT) and DNS over HTTPS (DoH)**

*Type: LS out For: Approval  
 to SA2  
 Source: Huawei, HiSilicon*

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

**S3-233975 [Draft] Reply LS on DNS over TLS (DoT) and DNS over HTTPS (DoH)**

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

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

**S3-233524 Security for AI ML management capabilities**

*Type: LS in For: Information  
 Original outgoing LS: -, to -, cc -  
 Source: S5-234776*

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

**S3-233782 Discussion on Trustworthiness of AI/ML**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell, CMCC*

**Discussion:**

Interdigital supported this.

Huawei didn’t agree with endorsing this. Qualcomm didn’t agree with endorsing this either.Existent security mechanisms can be used.

Lenovo supported endorsing this.They suggested to send the LS reply to the ETSI group on AI.

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

**S3-233713 LS reply for Security for AI ML management capabilities**

*Type: LS out For: Agreement  
 to SA5  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233527 LS on resolving the target KMS URI for a migrated MC service user**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-231552*

**Decision:** The document was **replied to in S3-234157**.

**S3-233601 Reply LS on resolving the target KMS URI for a migrated MC service user**

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

**Decision:** The document was **revised to S3-234157**.

**S3-234157 Reply LS on resolving the target KMS URI for a migrated MC service user**

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

(Replaces S3-233601)

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

**S3-233528 Reply LS on Alignment of SA3 security aspects for Personal IoT Networks**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-232076*

**Decision:** The document was **replied to in S3-234158**.

**S3-234158 Reply to LS on Alignment of SA3 security aspects for Personal IoT Networks**

*Type: LS out For: approval  
 to SA6, cc SA2  
 Source: Huawei*

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

**S3-233533 LSout\_to\_3GPP\_SA3\_regarding\_TS33\_117\_SCAS\_Vulnerability**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ETSI ISG NFV*

**Decision:** The document was **replied to in S3-234159**.

**S3-234056 Reply LS on Authenticated Vulnerability Testing**

*Type: LS out For: Approval  
 to ETSI ISG NFV-SEC  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234159**.

**S3-234159 Reply LS on Authenticated Vulnerability Testing**

*Type: LS out For: Approval  
 to ETSI ISG NFV-SEC  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-234056)

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

**S3-233534 Non-Support of Ciphering Algorithm GEA2**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: GCF*

**Discussion:**

Vodafone: there are handsets in the market that would be impacted. We already talked about this, we put a strong warning in the specs stating that it should not be used.

Huawei: we need a meeting cycle to discuss the CRs. Qualcomm supported this.

GSMA wanted to minute an official statement of the group given that some issues may arise publicly like it happened with the recent TETRA algorithms news.

Vodafone: Meeting 103 introduced changes from Rel-11 to Rel-16. Nokia commented that these still allowed the use of GEA2.

Huawei: this was solved already and we decided to start it in Rel-11.

NTT-Docomo: align with RAN5, so let's go back to Rel-8.

Qualcomm: RAN5 took care of it, at SA3 level it's enough what we have.

The Chair proposed that there would be a meeting minute text and the reply LS and actions would be discussed in the next meeting.

The following minutes were agreed to be added to the report:

SA3 previously added text to 43.020 at SA3#103 to strongly discourage the use of GEA1 & GEA2 from release 11 with full removal from release 16. SA3 was therefore unable to conclude on whether additional text is required or other action should be taken on support for GEA 1 and GEA2 in heavily frozen releases. SA3 members requested to study the matter between now and SA#113 in November and identify if any further action is required

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

**S3-233516 LS response on Non-Support of Ciphering Algorithm GEA2**

*Type: LS in For: Information  
 Original outgoing LS: R5-233361, to GCF Steering Group, cc 3GPP SA3, GCF CAG/FTAG, GSMA TSG, GSMA Fraud & Security Group, CTIA/PTCRB  
 Source: R5-233361*

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

**S3-233535 Non-Support of Ciphering Algorithm GEA2 mandated in Certification**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: GCF*

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

**S3-233544 Reply LS on object acquisition**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4aI230134*

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

**S3-234132 DTLS for SCTP next steps and request for input**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: IETF Transport Area Working Group*

**Decision:** The document was **replied to in S3-234160**.

**S3-234134 SAGE-23-01 Specification of Milenage-256 finalized**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ETSI SAGE*

**Discussion:**

Vodafone: different enough so we can treat them like Tuak and MILENAGE?

Patrick (SAGE Chair): the two algorithm already supports the 256 bit keys. They have the same structure as the old MILENAGE.

Vodafone: it seems that we need to choose between the two. Does this mean that we need a long analysis?

Patrick: some considerations performance wise but security wise they are very similar.

Thales: we already have Tuak, we only need one more. We prefer the AES based one.

Qualcomm wanted to study the algorithms and come back next meeting with a decision on which one to pick up.

IDEMIA asked if there was agreement on using only one algorithm. It was asked to be minuted that only one of the algorithms would be specified in 3GPP.

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

**S3-233940 Reply LS to Reply LS on the user consent for trace reporting S3-223162**

*Type: LS out For: Approval  
 to RAN3  
 Source: Ericsson*

**Discussion:**

Vodafone: The average user is not able to understand what they are consenting to. We don’t agree with having a technical solution that allows the users to modify their contract.

Huawei: there is no new solution here.

**Decision:** The document was **revised to S3-234267**.

**S3-234267 LS on the user consent for trace reporting S3-223162**

*Type: LS out For: Approval  
 to RAN3, cc RAN2, SA5, SA1, RAN  
 Source: Ericsson*

(Replaces S3-233940)

**Discussion:**

It was clarified that the RAN3 LS referred here had already been replied the previous year. MCC suggested to have this as a new LS and refer to the old RAN3 LS in the text.

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

**S3-233521 LS on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs**

*Type: LS in For: Information  
 Original outgoing LS: S2-2307983, to SA, SA3, cc SA1, CT4  
 Source: S2-2307983*

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

**S3-233531 LS to 3GPP on GSMA requirements for intermediaries in the roaming ecosystem**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: GSMA*

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

**S3-233532 LS to 3GPP on the introduction of the domain “ipxnetwork.org” in addition to “3gppnetwork.org”**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: GSMA*

**Decision:** The document was **replied to in S3-233786**.

**S3-233553 Discussion document on the implementation of Roaming Hubs for 5G SA roaming**

*Type: discussion For: Agreement  
 Source: Vodafone España SA*

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

**S3-233554 Modification of PRINS to enable Roaming Hubs**

*Type: CR For: Agreement  
 33.501 v16.15.0 CR-1673 Cat: F (Rel-16)  
  
 Source: Vodafone, TIM, DoCoMo*

**Decision:** The document was **revised to S3-234319**.

**S3-234319 Modification of PRINS to enable Roaming Hubs**

*Type: draftCR For: Agreement  
 33.501 v16.15.0  
 Source: Vodafone, TIM, DoCoMo*

(Replaces S3-233554)

**Discussion:**

It was clarified that the intention was to submit this as Rel-16 but final decision could be made in Plenary.

MCC explained that the endorsement didn’t bind SA3 to the contents, as there were several issues to be defined.

AT&T had concerns on the Release were this was directed to. For example, creating a snow ball effect impacting SA2. The Chair commented that SA2 had closed Rel-18 and there was no chance that they would have to reopen it. These changes didn’t have impact on other groups.

GSMA commented that they wanted to see this in Rel-15 (maybe too far), and reminded that it was an operational deployment limitation. The critical point is that the operators can deploy using the 3GPP specs, and additionally this is not an architectural problem.

Charter: how do present the CR to SA?

Vodafone: presented as part of an LS sent to SA1 and Plenary. Also presented separately by the supporting companies.

Verizon: we support this CR, but we should agree on the Release here as well, not in Plenary.

Orange and TIM preferred to get feddback from GSMA before endorsing the content.

Verizon, KPN, KDDI agreed on the CR.

It was agreed to attach this CR on the LS to GSMA in 4350.

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

**S3-233555 Modification of PRINS to enable Roaming Hubs**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1674 Cat: A (Rel-17)  
  
 Source: Vodafone, TIM, DoCoMo*

**Abstract:**

R17 mirror of S3-233554

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

**S3-233556 Modification of PRINS to enable Roaming Hubs**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1675 Cat: A (Rel-18)  
  
 Source: Vodafone, TIM, DoCoMo*

**Abstract:**

mirror of S3-233554

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

**S3-233557 CR to 33.501 R16 to implement error message reporting**

*Type: CR For: Agreement  
 33.501 v16.15.0 CR-1676 Cat: F (Rel-16)  
  
 Source: Vodafone España SA*

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

**S3-233558 CR to 33.501 R17 to implement error message reporting (mirror)**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1677 Cat: F (Rel-17)  
  
 Source: Vodafone España SA*

**Abstract:**

Mirror of S3-233557

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

**S3-233559 Enable Roaming Hub Error message origination**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1678 Cat: A (Rel-18)  
  
 Source: Vodafone, TIM, DoCoMo*

**Abstract:**

mirror of S3-233557

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

**S3-233560 Correction of and addition of missing roaming definitions**

*Type: CR For: Agreement  
 33.501 v16.15.0 CR-1679 Cat: F (Rel-16)  
  
 Source: Vodafone, TIM, DoCoMo*

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

**S3-233561 Correction of and addition of missing roaming definitions**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1680 Cat: A (Rel-17)  
  
 Source: Vodafone, TIM, DoCoMo*

**Abstract:**

Mirror of S3-233560

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

**S3-233562 Correction of and addition of missing roaming definitions**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1681 Cat: A (Rel-18)  
  
 Source: Vodafone, TIM, DoCoMo*

**Abstract:**

mirror of S3-233560

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

**S3-233563 LS out on the implementation of roaming hubs**

*Type: LS out For: Approval  
 to SA1,SA  
 Source: Vodafone España SA*

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

**S3-233596 Aggrigation of PLMN\_IDs for Roaming Hubs**

*Type: CR For: Agreement  
 33.501 v16.15.0 CR-1682 Cat: F (Rel-16)  
  
 Source: Vodafone*

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

**S3-233597 Aggrigation of PLMN\_IDs for Roaming Hubs**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1683 Cat: A (Rel-17)  
  
 Source: Vodafone, TIM, DoCoMo*

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

**S3-233598 Aggrigation of PLMN\_IDs for Roaming Hubs**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1684 Cat: A (Rel-18)  
  
 Source: Vodafone, TIM, DoCoMo*

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

**S3-233784 LS on 5G roaming**

*Type: LS out For: Approval  
 to GSMA 5GMRR, 3GPP SA1, cc SA2  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Vodafone: quite strongly worded, it needs to be turned down.

AT&T: make GSMA aware that we want to be involved.

**Decision:** The document was **revised to S3-234296**.

**S3-234296 LS on 5G roaming**

*Type: LS out For: Approval  
 to SA1,GSMA5GMRR  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233784)

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

**S3-233785 DP for LS on roaming**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233786 LS on ipx domain**

*Type: LS out For: Approval  
 to GSMA 5GMRR, 3GPP SA1, cc SA2, CT4  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233517 Reply LS on 3GPP work on Energy Efficiency**

*Type: LS in For: Information  
 Original outgoing LS: S1-231805, to SA5, cc SA, RAN, CT, SA1, SA2, SA3, SA4, SA6, RAN1, RAN2, RAN3, RAN4, CT3, CT4  
 Source: S1-231805*

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

**S3-233522 LS on 3GPP work on Energy Efficiency**

*Type: LS in For: Information  
 Original outgoing LS: S4-231111, to 3GPP SA5, 3GPP TSGs SA, RAN, CT, cc 3GPP WGs SA1, SA2, SA3, SA6, RAN1, RAN2, RAN3, RAN4, CT1, CT3, CT4  
 Source: S4-231111*

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

**S3-233523 LS on LS Reply on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541**

*Type: LS in For: Information  
 Original outgoing LS: S5-234824, to O-RAN WG9 - Open X-haul Transport Workgroup, cc SA, SA3, RAN  
 Source: S5-234824*

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

**S3-233515 LS to SA2 on sidelink positioning agreements**

*Type: LS in For: Information  
 Original outgoing LS: R2-2306842, to SA2, cc RAN1, SA3  
 Source: R2-2306842*

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

**S3-233530 Reply LS on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: SP-230763*

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

**S3-233583 TCG progress - report from TCG rapporteur**

*Type: other For: Information  
 Source: InterDigital, Europe, Ltd.*

**Abstract:**

This contribution provides a brief incremental summary of the progress in TCG Working Groups as of August 2023.

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

**S3-234136 Draft reply LS to DTLS for SCTP next steps and request for input**

*Type: LS out For: (not specified)  
 to IETF  
 Source: Oy LM Ericsson AB*

**Discussion:**

Cable Labs: agreed with this proposal.

Nokia: we need more discussion. I have problems to map the answers to the questions.

Huawei: we have a preference for solution 2 but we need to discuss it more.

Cisco commented that IETF expected a response before their September meeting.

**Decision:** The document was **revised to S3-234160**.

**S3-234160 Reply LS to DTLS for SCTP next steps and request for input**

*Type: LS out For: -  
 to IETF Transport Area Working Group, cc RAN3  
 Source: Oy LM Ericsson AB*

(Replaces S3-234136)

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

**S3-234141 Rel- 8 CR Not anymore supported GPRS encryption algorithms**

*Type: CR For: (not specified)  
 43.020 v8.0.0 CR-0065 Cat: F (Rel-8)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234142 Rel- 9 CR Not anymore supported GPRS encryption algorithms**

*Type: CR For: (not specified)  
 43.020 v9.2.0 CR-0066 Cat: A (Rel-9)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234143 Rel- 10 CR Not anymore supported GPRS encryption algorithms**

*Type: CR For: (not specified)  
 43.020 v10.2.0 CR-0067 Cat: A (Rel-10)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234144 Rel- 11 CR Not anymore supported GPRS encryption algorithms**

*Type: CR For: (not specified)  
 43.020 v11.4.0 CR-0068 Cat: A (Rel-11)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234145 Rel- 12 CR Not anymore supported GPRS encryption algorithms**

*Type: CR For: (not specified)  
 43.020 v12.2.0 CR-0069 Cat: A (Rel-12)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234146 Rel- 13 CR Not anymore supported GPRS encryption algorithms**

*Type: CR For: (not specified)  
 43.020 v13.7.0 CR-0070 Cat: A (Rel-13)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234147 Rel- 14 CR Not anymore supported GPRS encryption algorithms**

*Type: CR For: (not specified)  
 43.020 v14.4.0 CR-0071 Cat: A (Rel-14)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234148 Rel- 15 CR Not anymore supported GPRS encryption algorithms**

*Type: CR For: (not specified)  
 43.020 v15.1.0 CR-0072 Cat: A (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234149 Rel- 16 CR Not anymore supported GPRS encryption algorithms**

*Type: CR For: (not specified)  
 43.020 v16.1.0 CR-0073 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234150 Rel- 17 CR Not anymore supported GPRS encryption algorithms**

*Type: CR For: (not specified)  
 43.020 v17.0.0 CR-0074 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233640 Handling of SOR counter and the UE parameter update counter if stored in NVM**

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

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

**S3-234174 Endorsement on MILENAGE algorithm**

*Type: discussion For: Endorsement  
 Source: IDEMIA*

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

**S3-234350 LS on 5GSA roaming hub based roaming**

*Type: LS out For: Approval  
 to GSMA NG  
 Source: Vodafone*

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

## 4 Work areas (Rel-18)

### 4.1 New WID on Security Assurance Specification for Management Function (MnF)

### 4.2 New WID on SECAM and SCAS for 3GPP virtualized network products

### 4.3 Mission critical security

### 4.4 New WID on Security Assurance Specification (SCAS) for 5G Rel-17 Features

### 4.5 New WID on Security Assurance Specification for the Authentication and Key Management for Applications (AKMA) Anchor Function Function (AAnF)

**S3-233676 Clean up for AAnF SCAS**

*Type: CR For: Agreement  
 33.537 v18.1.0 CR-0004 Cat: F (Rel-18)  
  
 Source: ZTE*

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

**S3-233955 Editorial corrections to TS33537**

*Type: CR For: Approval  
 33.537 v18.1.0 CR-0005 Cat: F (Rel-18)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S3-234225**.

**S3-234225 Editorial corrections to TS33537**

*Type: CR For: Approval  
 33.537 v18.1.0 CR-0005 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile*

(Replaces S3-233955)

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

### 4.6 New WID on SCAS for split-gNB product classes

**S3-233854 Adding the clause references to TS 33.523**

*Type: CR For: Agreement  
 33.523 v18.0.0 CR-0001 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

**S3-233855 Adding the missing Xn-U interface**

*Type: CR For: Agreement  
 33.523 v18.0.0 CR-0002 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

**S3-233856 Linking the gNB and split gNB specifications**

*Type: CR For: Agreement  
 33.511 v18.0.0 CR-0045 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-234131**.

**S3-233857 Removing redundant text from clause 5.2.2.1.4**

*Type: CR For: Agreement  
 33.523 v18.0.0 CR-0003 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

**S3-234131 Linking the gNB and split gNB specifications**

*Type: CR For: Agreement  
 33.511 v18.0.0 CR-0045 rev 1 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

(Replaces S3-233856)

**Decision:** The document was **revised to S3-234325**.

**S3-234325 Linking the gNB and split gNB specifications**

*Type: CR For: Agreement  
 33.511 v18.0.0 CR-0045 rev 2 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

(Replaces S3-234131)

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

### 4.7 Service Based Architecture (Rel-15/16/17)

### 4.8 Security Aspects of Proximity based services in 5GS ProSe (Rel-17)

### 4.9 All Maintenance topics (Rel-15/16/17/18 )

#### 4.9.1 Security Assurance

**S3-233538 Interface Robustness**

*Type: CR For: Approval  
 33.117 v17.3.0 CR-0121 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234220 Rel-18 Interface Robustness**

*Type: CR For: Approval  
 33.117 v18.0.0 CR-0126 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233539 Security Event Logging**

*Type: CR For: Approval  
 33.117 v17.3.0 CR-0122 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233540 Privileged Users**

*Type: CR For: Approval  
 33.117 v17.3.0 CR-0123 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234221 rel-18 Privileged Users**

*Type: CR For: Approval  
 33.117 v18.0.0 CR-0127 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233541 AMF redirection to EPS remove CIoT precondition**

*Type: CR For: Approval  
 33.512 v18.0.0 CR-0038 Cat: F (Rel-18)  
  
 Source: Keysight Technologies*

**Decision:** The document was **revised to S3-234326**.

**S3-234326 AMF redirection to EPS remove CIoT precondition**

*Type: CR For: Approval  
 33.512 v18.0.0 CR-0038 rev 1 Cat: F (Rel-18)  
  
 Source: Keysight Technologies*

(Replaces S3-233541)

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

**S3-233542 NAS based redirection from 5GS to EPS**

*Type: CR For: Approval  
 33.926 v18.0.0 CR-0075 Cat: F (Rel-18)  
  
 Source: Keysight Technologies*

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

**S3-233543 AMF Test - NAS Integrity failure**

*Type: CR For: Approval  
 33.512 v18.0.0 CR-0039 Cat: B (Rel-18)  
  
 Source: Keysight Technologies*

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

**S3-233546 Packet Filtering support Testing**

*Type: CR For: Approval  
 33.117 v17.3.0 CR-0124 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

861

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

**S3-233603 Added UDM threat reference for use of an invalid and uncompressed point in ECIES protection scheme for SUCI decryption**

*Type: CR For: Approval  
 33.926 v18.0.0 CR-0076 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

**Decision:** The document was **revised to S3-233622**.

**S3-233604 Added UDM SCAS test cases for checking an invalid and uncompressed point in ECIES protection scheme for SUCI decryption**

*Type: CR For: Approval  
 33.514 v18.0.0 CR-0008 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

**Decision:** The document was **revised to S3-233623**.

**S3-233605 Clarification of Replay Protection of NAS signalling messages**

*Type: CR For: Approval  
 33.512 v18.0.0 CR-0040 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

**Decision:** The document was **revised to S3-234165**.

**S3-234165 Clarification of Replay Protection of NAS signalling messages**

*Type: CR For: Approval  
 33.512 v18.0.0 CR-0040 rev 1 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

(Replaces S3-233605)

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

**S3-233606 Clarification of NAS integrity algorithm selection and use**

*Type: CR For: Approval  
 33.512 v18.0.0 CR-0041 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

**Decision:** The document was **revised to S3-234166**.

**S3-234166 Clarification of NAS integrity algorithm selection and use**

*Type: CR For: Approval  
 33.512 v18.0.0 CR-0041 rev 1 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

(Replaces S3-233606)

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

**S3-233607 Clarification of invalid or unacceptable UE security capabilities handling**

*Type: CR For: Approval  
 33.512 v18.0.0 CR-0042 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

**Decision:** The document was **revised to S3-234167**.

**S3-234167 Clarification of invalid or unacceptable UE security capabilities handling**

*Type: CR For: Approval  
 33.512 v18.0.0 CR-0042 rev 1 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

(Replaces S3-233607)

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

**S3-233609 Correction of UDM service naming**

*Type: CR For: Approval  
 33.514 v18.0.0 CR-0009 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

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

**S3-233610 Correction of UDM service naming**

*Type: CR For: Approval  
 33.926 v18.0.0 CR-0077 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

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

**S3-233611 Correction of UDM service naming**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1686 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

**Decision:** The document was **revised to S3-234191**.

**S3-233622 Added UDM threat reference for use of an invalid and uncompressed point in ECIES protection scheme for SUCI decryption**

*Type: CR For: Approval  
 33.926 v18.0.0 CR-0076 rev 1 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

(Replaces S3-233603)

**Decision:** The document was **revised to S3-233624**.

**S3-233623 Added UDM SCAS test cases for checking an invalid and uncompressed point in ECIES protection scheme for SUCI decryption**

*Type: CR For: Approval  
 33.514 v18.0.0 CR-0008 rev 1 Cat: F (Rel-18)  
  
 Source: BSI (DE), Deutsche Telekom AG*

(Replaces S3-233604)

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

**S3-233624 Added UDM threat reference for use of an invalid and uncompressed point in ECIES protection scheme for SUCI decryption**

*Type: CR For: Approval  
 33.926 v18.0.0 CR-0076 rev 2 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

(Replaces S3-233622)

**Decision:** The document was **revised to S3-233625**.

**S3-233625 Added UDM threat reference for use of an invalid and uncompressed point in ECIES protection scheme for SUCI decryption**

*Type: CR For: Approval  
 33.926 v18.0.0 CR-0076 rev 3 Cat: F (Rel-18)  
  
 Source: BSI (DE), Deutsche Telekom AG*

(Replaces S3-233624)

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

**S3-233773 Addition of critical assets and threats specific to NSSAAF network product class**

*Type: CR For: Agreement  
 33.926 v17.7.0 CR-0078 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-233774 Addition of critical assets and threats specific to NSSAAF network product class**

*Type: CR For: Agreement  
 33.926 v18.0.0 CR-0079 Cat: A (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-233775 Reference correction for MnF SCAS**

*Type: CR For: Agreement  
 33.526 v18.0.0 CR-0001 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-233858 Adding the missing Xn-U interface**

*Type: CR For: Agreement  
 33.511 v18.0.0 CR-0046 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-234327**.

**S3-234327 Adding the missing Xn-U interface**

*Type: CR For: Agreement  
 33.511 v18.0.0 CR-0046 rev 1 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

(Replaces S3-233858)

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

**S3-233859 Correction of cross-refence in clause 4.2.3.4.1**

*Type: CR For: Agreement  
 33.511 v16.10.0 CR-0047 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

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

**S3-233860 Correction of cross-refence in clause 4.2.3.4.1**

*Type: CR For: Agreement  
 33.511 v17.4.0 CR-0048 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

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

**S3-233861 Correction of cross-refence in clause 4.2.3.4.1**

*Type: CR For: Agreement  
 33.511 v18.0.0 CR-0049 Cat: A (Rel-18)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-234226**.

**S3-234226 Correction of cross-refence in clause 4.2.3.4.1**

*Type: CR For: Agreement  
 33.511 v18.0.0 CR-0049 rev 1 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

(Replaces S3-233861)

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

**S3-233862 Adding a missing requirement name**

*Type: CR For: Agreement  
 33.117 v18.0.0 CR-0125 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

#### 4.9.2 Service Based Architecture

**S3-233545 Update on the token verification**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1672 Cat: C (Rel-18)  
  
 Source: Deutsche Telekom AG*

**Abstract:**

To avoid granted access in case of stolen token an additional verification shall be added.

**Discussion:**

Ericsson didn’t agree with the first bullet.

They had an overlapping contribution in 3942.

Nokia: No binding between the authentication and authorization here.

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

**S3-233636 Discussion paper on NF authorization at NEF for AF data**

*Type: discussion For: Endorsement  
 33.501 v..  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233637 LS on NF Authorization at NEF for AF data**

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

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

**S3-233638 NF authorization at NEF for AF data**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1687 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233639 NF authorization at NEF for AF data**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1688 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233780 Clarification on access token request for accessing services**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1728 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234207**.

**S3-234207 Clarification on access token request for accessing services**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1728 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

(Replaces S3-233780)

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

**S3-233792 Delegated access token validation**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1729 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson and Huawei had issues with the CR.

Cable Labs agreed with the principle but wanted a simpler CR.

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

**S3-233793 Clarification on subscribe-notify**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1730 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234351**.

**S3-234351 Clarification on subscribe-notify**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1730 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233793)

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

**S3-233794 SCP to include 3gpp-Sbi-Originating-Network-Id header**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1731 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: this text is already present in the SCP clause.

**Decision:** The document was **revised to S3-234352**.

**S3-234352 SCP to include 3gpp-Sbi-Originating-Network-Id header**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1731 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233794)

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

**S3-233795 Including SNPN ID in SBA and N32 related descriptions**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1732 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: It is missing because it doesn’t apply.

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

**S3-233796 Including SNPN ID in SBA and N32 related descriptions**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1733 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233958 CR\_Removing N32 precontext ID in 33.501 in R16**

*Type: CR For: Approval  
 33.501 v16.15.0 CR-1762 Cat: F (Rel-16)  
  
 Source: China Mobile*

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

**S3-233959 CR\_Removing N32 precontext ID in 33.501 in R17**

*Type: CR For: Approval  
 33.501 v17.10.0 CR-1763 Cat: A (Rel-17)  
  
 Source: China Mobile*

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

**S3-233960 CR\_Removing N32 precontext ID in 33.501 in R18**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1764 Cat: A (Rel-18)  
  
 Source: China Mobile*

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

**S3-233989 Clarification of SEPP inter-domain certificate profiles**

*Type: CR For: (not specified)  
 33.310 v16.13.0 CR-0165 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234212**.

**S3-234212 Clarification of SEPP inter-domain certificate profiles**

*Type: CR For: -  
 33.310 v16.13.0 CR-0165 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S3-233989)

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

**S3-233995 Clarification of SEPP inter-domain certificate profiles**

*Type: CR For: (not specified)  
 33.310 v17.6.0 CR-0166 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234213**.

**S3-234213 Clarification of SEPP inter-domain certificate profiles**

*Type: CR For: -  
 33.310 v17.6.0 CR-0166 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson*

(Replaces S3-233995)

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

**S3-233998 Clarification of SEPP inter-domain certificate profiles**

*Type: CR For: (not specified)  
 33.310 v18.0.0 CR-0167 Cat: A (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234214**.

**S3-234214 Clarification of SEPP inter-domain certificate profiles**

*Type: CR For: -  
 33.310 v18.0.0 CR-0167 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson*

(Replaces S3-233998)

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

#### 4.9.3 Security Aspects of Proximity based services in 5GS ProSe

**S3-233677 Correction on derivation of CP-PRUK ID star**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0111 Cat: F (Rel-17)  
  
 Source: ZTE*

**Decision:** The document was **revised to S3-234215**.

**S3-234215 Correction on derivation of CP-PRUK ID star**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0111 rev 1 Cat: F (Rel-17)  
  
 Source: ZTE*

(Replaces S3-233677)

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

**S3-233678 Correction on derivation of CP-PRUK ID star**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0112 Cat: A (Rel-18)  
  
 Source: ZTE*

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

**S3-233746 Clarification about Annex A.3**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0114 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-234023 CR to TR33.503 Correct definition of reference point Npc14**

*Type: CR For: Approval  
 33.503 v17.4.0 CR-0120 Cat: F (Rel-17)  
  
 Source: CATT*

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

**S3-233613 Discussion on U2N discovery security procedure**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233614 Update discovery key response of U2N discovery security procdure**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0109 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233615 Locate target PKMF in UP based security procedure of U2N relay communication**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0110 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234218**.

**S3-234218 Locate target PKMF in UP based security procedure of U2N relay communication**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0110 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233615)

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

**S3-233743 Identify discovery security materials in UE-to-Network Relay discovery**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0113 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-233759 Clarification on discovery of PKMF of Relay UE by the SMF in remote UE report procedure**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0115 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234277**.

**S3-234277 Clarification on discovery of PKMF of Relay UE by the SMF in remote UE report procedure**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0115 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

(Replaces S3-233759)

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

**S3-233934 Correction in clause 6.3.3.2.2 and 6.3.3.3.2 of TS 33.503**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0119 Cat: F (Rel-17)  
  
 Source: OPPO,Xidian*

**Decision:** The document was **revised to S3-234219**.

**S3-234219 Correction in clause 6.3.3.2.2 and 6.3.3.3.2 of TS 33.503**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0119 rev 1 Cat: F (Rel-17)  
  
 Source: OPPO,Xidian*

(Replaces S3-233934)

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

**S3-234097 Correction to privacy protection of UP-PRUKID/CP-PRUKID and RSC in DCR**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0121 Cat: F (Rel-17)  
  
 Source: Xiaomi*

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

**S3-234098 Add the 5G PKMF service operation**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0122 Cat: F (Rel-17)  
  
 Source: Xiaomi*

**Decision:** The document was **revised to S3-234338**.

**S3-234338 Add the 5G PKMF service operation**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0122 rev 1 Cat: F (Rel-17)  
  
 Source: Xiaomi*

(Replaces S3-234098)

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

**S3-233908 LS on U2N relay direct link setup failure due to RSC mismatch or integrity failure**

*Type: LS out For: Agreement  
 to CT1  
 Source: Ericsson*

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

**S3-233909 U2N relay direct link setup failure due to RSC mismatch or integrity failure**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0118 Cat: F (Rel-17)  
  
 Source: Ericsson, Philips International B.V*

**Discussion:**

Xiaomi didn’t support the CR.

Qualcomm supported it.

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

**S3-233826 Correction in clause 6.3.3.2.2 and 6.3.3.3.2 of TS 33.503**

*Type: CR For: Agreement  
 33.503 v17.4.0 CR-0116 Cat: F (Rel-17)  
  
 Source: OPPO*

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

#### 4.9.4 Mission Critical

**S3-233591 [33.180] Clarification on SIP core access authentication**

*Type: CR For: Agreement  
 33.180 v17.9.0 CR-0209 Cat: F (Rel-18)  
  
 Source: HOME OFFICE*

**Abstract:**

This CR makes references to MCX core architecture document 3GPP TS 23.280. It also proposes that other SIP Core access authentication security mechanisms may be considered for Control Room MC UEs attached to the network over non-3GPP access routes.

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

#### 4.9.5 Authentication and key management for applications based on 3GPP credential in 5G

**S3-233634 AKMA Service disable or withdrawn**

*Type: CR For: Agreement  
 33.535 v17.8.0 CR-0156 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233635 AKMA Service disable or withdrawn**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0157 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233643 AKMA service restriction in VPLMN**

*Type: CR For: Agreement  
 33.535 v17.8.0 CR-0158 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233644 AKMA service restriction in VPLMN**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0159 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233679 Correction of step numbers in clause 6.2 of TS 33.535**

*Type: CR For: Agreement  
 33.535 v17.8.0 CR-0160 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S3-233680 Correction of step numbers in clause 6.2 of TS 33.535**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0161 Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233681 Update the definition of AKMA context in TS 33.535**

*Type: CR For: Agreement  
 33.535 v17.8.0 CR-0162 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S3-233682 Update the definition of AKMA context in TS 33.535**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0163 Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233833 Clarification on the description about AAnF**

*Type: CR For: Agreement  
 33.535 v17.8.0 CR-0167 Cat: F (Rel-17)  
  
 Source: China Telecom*

**Decision:** The document was **revised to S3-234222**.

**S3-234222 Clarification on the description about AAnF**

*Type: CR For: Agreement  
 33.535 v17.8.0 CR-0167 rev 1 Cat: F (Rel-17)  
  
 Source: China Telecom*

(Replaces S3-233833)

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

**S3-233836 Clarification on the description about AAnF**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0168 Cat: A (Rel-18)  
  
 Source: China Telecom*

**Decision:** The document was **revised to S3-234223**.

**S3-234223 Clarification on the description about AAnF**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0168 rev 1 Cat: A (Rel-18)  
  
 Source: China Telecom*

(Replaces S3-233836)

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

**S3-234109 Routing indicator update issue in the A-KID construction procedure Release 16**

*Type: CR For: Agreement  
 33.535 v16.2.0 CR-0179 Cat: F (Rel-16)  
  
 Source: Xiaomi Communications*

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

**S3-234108 Routing indicator update issue in the A-KID construction procedure Release 17 (mirror)**

*Type: CR For: Agreement  
 33.535 v17.8.0 CR-0178 Cat: A (Rel-17)  
  
 Source: Xiaomi Communications*

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

**S3-234107 Routing indicator update issue in the A-KID construction procedure Release 18 (mirror)**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0177 Cat: A (Rel-18)  
  
 Source: Xiaomi Communications*

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

#### 4.9.6 Enhancements to User Plane Integrity Protection Support in 5GS

#### 4.9.7 Security Aspects of Enhancements for 5G Multicast-Broadcast Services

**S3-233683 Clarification for MBSSF in MBS**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1700 Cat: F (Rel-17)  
  
 Source: ZTE*

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

**S3-233684 Clarification for MBSSF in MBS**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1701 Cat: A (Rel-18)  
  
 Source: ZTE*

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

**S3-233902 5MBS Annex W NOTE**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1750 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Abstract:**

Clarification that service layer security is not needed if application layer security is used.

**Decision:** The document was **revised to S3-234229**.

**S3-234229 5MBS Annex W NOTE**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1750 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S3-233902)

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

**S3-233916 5MBS Annex W NOTE**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1751 Cat: A (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

Clarification that service layer security is not needed if application layer security is used.

**Decision:** The document was **revised to S3-234230**.

**S3-234230 5MBS Annex W NOTE**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1751 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson*

(Replaces S3-233916)

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

#### 4.9.8 Security for enhanced support of Industrial IoT

#### 4.9.9 Security Aspects of eNPN

#### 4.9.10 Security Aspects of Enhancement of Support for Edge Computing in 5GC

#### 4.9.11 Security aspects of Uncrewed Aerial Systems

**S3-233863 Correcting some references in TS 33.256**

*Type: CR For: Agreement  
 33.256 v17.3.0 CR-0024 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated, China Mobile*

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

#### 4.9.12 All other maintenance topics (not listed above)

**S3-233594 [33.434] Key Provisioning procedure**

*Type: CR For: Agreement  
 33.434 v18.0.0 CR-0017 Cat: B (Rel-18)  
  
 Source: Motorola Solutions, Samsung*

**Abstract:**

Addition of a Key Provisioning procedure

**Discussion:**

Ericsson wasn’t sure that the key management procedure was under scope of SA3, but of SA6. Motorola commented that it was in scope and that we should communicate this to SA6. This was taken offline.

**Decision:** The document was **revised to S3-234161**.

**S3-234161 [33.434] Key Provisioning procedure**

*Type: CR For: Agreement  
 33.434 v18.0.0 CR-0017 rev 1 Cat: B (Rel-18)  
  
 Source: Motorola Solutions, Samsung*

(Replaces S3-233594)

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

**S3-233647 Authentication result removal**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1690 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: what we are doing here is not aligned with CT4. We can ask them to remove their content so we can work appropriately this meeting.

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

**S3-233648 Authentication result removal**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1691 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233847 Authentication result removal**

*Type: CR For: Approval  
 33.501 v17.10.0 CR-1742 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-233686 Correction on the Kamf derivation parameter**

*Type: CR For: Agreement  
 33.501 v16.15.0 CR-1703 Cat: F (Rel-16)  
  
 Source: ZTE*

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

**S3-233687 Correction on the Kamf derivation parameter**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1704 Cat: A (Rel-17)  
  
 Source: ZTE*

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

**S3-233688 Correction on KAMF derivation function in 33.501 R18-mirror**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1705 Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233720 Security handling in mobility from 5GS to EPS**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1720 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

Apple: we have evaluated this and we cannot agree on this one. We tried to solve this in the last meeting but it wasn't accepted.

Qualcomm: what happens if we introduce 256-bit algoithms? Not convinced that this would work on UE implementations.

The Chair asked if this was a field problem. Ericsson wasn’t convinced either and wanted more offline discussions.

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

**S3-233728 Update Area of interest in OAuth2.0**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1748 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

Ericsson: not ok with this principle.

Nokia: this CR is relevant and could be useful.

This was left open.

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

**S3-233788 CR to 33.122 CAPIF Vendor specific security methods**

*Type: CR For: Agreement  
 33.122 v18.0.0 CR-0035 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Samsung, AT&T*

**Discussion:**

Alternative in tdoc 4070.

Ericsson didn’t agree with either option.Signalling is related to stage 3.

Apple preferred tdoc 788 option.

Huawei was fine with either option.

**Decision:** The document was **revised to S3-234312**.

**S3-234312 CR to 33.122 CAPIF Vendor specific security methods**

*Type: CR For: Agreement  
 33.122 v18.0.0 CR-0035 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Samsung, AT&T*

(Replaces S3-233788)

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

**S3-234070 Alternative Cr 33.122 CAPIF Vendor specific security methods**

*Type: draftCR For: (not specified)  
 33.122 v18.0.0  
 Source: Nokia, Nokia Shanghai Bell, Samsung, MITRE*

**Decision:** The document was **revised to S3-234311**.

**S3-234311 Alternative Cr 33.122 CAPIF Vendor specific security methods**

*Type: draftCR For: -  
 33.122 v18.0.0  
 Source: Nokia, Nokia Shanghai Bell, Samsung, MITRE*

(Replaces S3-234070)

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

**S3-233808 NSSAA procedure update for multiple registration**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1735 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

Ericsson, Nokia: proposed to note, no agreement.

Ericsson: maybe discuss it in Rel-19.

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

**S3-233809 Clarification on AF authorization in clause 12.4**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1736 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

Xiaomi didn’t agree with this CR. We don’t need this level of detail.

Ericsson: we are fine but without so many details because this content is already somewhere else.

Nokia: detailed information shouldn't go in the overall description, move it to another clause.

**Decision:** The document was **revised to S3-234216**.

**S3-234216 Clarification on AF authorization in clause 12.4**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1736 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

(Replaces S3-233809)

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

**S3-233810 Clarification of AF authorization in clause 12.4**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1737 Cat: A (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234217**.

**S3-234217 Clarification of AF authorization in clause 12.4**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1737 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei, HiSilicon*

(Replaces S3-233810)

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

**S3-233818 SERP-LS on security protection on RRCResumeRequest message**

*Type: LS out For: Approval  
 to RAN, RAN2, RAN3  
 Source: Apple*

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

**S3-233819 SERP-Discussion paper on SERP feature summary**

*Type: discussion For: Information  
 Source: Apple*

**Discussion:**

Qualcomm didn’t accept this. They asked if there was any exception sheet for this work.

Ericsson: we agreed that we would choose option 1 and prepare a CR.

Qualcomm: there was no agreement on the options.

Huawei: we don’t agree with going towards to technical votes or working agreements on this topic.

Nokia: our understanding is that there was an agreement on option 1.

The Chair commented that this was a very long discussion about this. No consensus could be reached here and voting would resolve nothing.

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

**S3-234032 SERP CR to TS 33.501 on the Protection of the RRC Resume Request message**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1778 Cat: B (Rel-18)  
  
 Source: Ericsson, Apple, Huawei, HiSilicon*

**Discussion:**

Objected by Qualcomm. It was noted that there were 11 supporters. The Chair stated that consensus needed to be reached and this may have to be discussed at SA Plenary.

Huawei's preference was to try to reach consensus, although they supported the CR. They warned that if the plan was to get to a working agreement, they would withdraw their support. The Chair replied that since there were implications on other working groups he was reluctant to get to a working agreement. He asked the supporters to contribute directly to SA plenary with a discussion paper.Apple believed that the decision would be taken back to SA3.

**Decision:** The document was **revised to S3-234314**.

**S3-234314 SERP CR to TS 33.501 on the Protection of the RRC Resume Request message**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1778 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson, Apple, Huawei, HiSilicon*

(Replaces S3-234032)

**Discussion:**

Revised to add more supporting companies.

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

**S3-233820 CR on Security vulnerability fix for use of AES-GCM and AES-GMAC in 33.203**

*Type: CR For: Approval  
 33.203 v17.1.0 CR-0272 Cat: F (Rel-17)  
  
 Source: Apple*

**Discussion:**

Preferred by Huawei.

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

**S3-233937 Adding secure ESP algorithms**

*Type: CR For: Agreement  
 33.203 v17.1.0 CR-0273 Cat: C (Rel-18)  
  
 Source: Ericsson*

**Discussion:**

Nokia liked this proposal.

Huawei didn’t agree with this. They commented that it wasn’t backwars compatible.Qualcomm agreed with Huawei.

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

**S3-233821 CR on 33501\_s1n1\_idlemode\_mapped\_ctxt**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1738 Cat: F (Rel-18)  
  
 Source: Apple*

**Decision:** The document was **revised to S3-234162**.

**S3-234162 CR on 33501\_s1n1\_idlemode\_mapped\_ctxt**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1738 rev 1 Cat: F (Rel-18)  
  
 Source: Apple*

(Replaces S3-233821)

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

**S3-233830 CR on Security for selective SCG activation**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1739 Cat: B (Rel-18)  
  
 Source: OPPO*

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

**S3-233871 Discussion on selective SCG procedures**

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

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

**S3-233872 Adding the selective SCG functionality**

*Type: draftCR For: Approval  
 33.501 v18.2.0  
 Source: Qualcomm Incorporated*

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

**S3-234008 CR on selective SCG activation**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1771 Cat: B (Rel-18)  
  
 Source: Samsung*

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

**S3-233839 Correction of authorization between SEPP and network functions**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1740 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

Nokia: the reference to the SA meeting is not correct. They added: don’t mandate these kind of changes in the SEPP. They didn’t agree with it.

Ericsson clarified that it was merged and not agreed in SA-91-Bis, The reason for change is not correct.

Vodafone: Authorization not part of the mutual authentication? This sentence is not in the appropriate place.

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

**S3-234274 Correction of authorization between SEPP and network functions**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1740 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-233869 Discussion on protecting header information in UPU**

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

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

**S3-233870 Protection of UPU header**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1612 rev 1 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

(Replaces S3-232551)

**Discussion:**

Huawei: this is the last meeting in Rel-18, so if we don’t agree on this we will miss the window.

Nokia: this is maintenance.

The Chair commented that if the impact was minimal on CT groups, it could be done next meeting.

Apple didn’t agree with this CR.

Huawei commented that there was impact on the UE side, in stage 3. Nokia also wanted to treat this in the current meeting.

The Chair commented that no backwards compatibility would be addressed in an agreed solution.

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

**S3-233873 IAB inter-CU topology adaptation and backhaul RLF recovery procedures**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1613 rev 1 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

(Replaces S3-232564)

**Discussion:**

Samsung had an alternative proposal in 4014.

Ericsson supported Qualcomm's CR.

Nokia didn’t support this CR.

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

**S3-234014 [IAB][Rel-17] IAB inter-CU topology adaptation procedure**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1773 Cat: F (Rel-17)  
  
 Source: Samsung, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234353**.

**S3-234353 [IAB][Rel-17] IAB inter-CU topology adaptation procedure**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1773 rev 1 Cat: F (Rel-17)  
  
 Source: Samsung, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell*

(Replaces S3-234014)

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

**S3-234018 [IAB][Rel-18] IAB inter-CU topology adaptation procedure**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1774 Cat: B (Rel-18)  
  
 Source: Samsung, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell*

**Discussion:**

It introduces some changes w.r.t release 17.

**Decision:** The document was **revised to S3-234354**.

**S3-234354 [IAB][Rel-18] IAB inter-CU topology adaptation procedure**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1774 rev 1 Cat: A (Rel-18)  
  
 Source: Samsung, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell*

(Replaces S3-234018)

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

**S3-233887 Mobility procedure for Trusted Non-3GPP access**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1745 Cat: B (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

**S3-233892 Handling of SoR/UPU Counter stored in NVM**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1746 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

**S3-233893 Updating the FC values**

*Type: CR For: Agreement  
 33.220 v18.0.0 CR-0221 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

**S3-233894 Guidance on mitigating privacy risk of variable length NAI based SUPIs**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1747 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

**S3-234315 Guidance on mitigating privacy risk of variable length NAI based SUPIs**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1747 rev 1 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

**S3-233918 Discussion of the Verification of the serving network name by the AUSF**

*Type: discussion For: Discussion  
 Source: Ericsson*

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

**S3-233919 Verification of the serving network name by the AUSF**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1752 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S3-233920 Verification of the serving network name by the AUSF**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1753 Cat: A (Rel-18)  
  
 Source: Ericsson*

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

**S3-233921 Correction of NAI format for 5G NSWO**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1754 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234168**.

**S3-234168 Correction of NAI format for 5G NSWO**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1754 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S3-233921)

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

**S3-233922 Correction of NAI format for 5G NSWO**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1755 Cat: A (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234169**.

**S3-234169 Correction of NAI format for 5G NSWO**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1755 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson*

(Replaces S3-233922)

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

**S3-234116 Update NSWO procedure for NAI format Release 17**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1784 Cat: F (Rel-17)  
  
 Source: Xiaomi Communications*

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

**S3-234117 NSWO procedure for NAI format Release 18 (mirror)**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1785 Cat: A (Rel-18)  
  
 Source: Xiaomi Communications*

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

**S3-233735 SN authentication for R17 NSWO**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1749 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-233956 Revised SID on enhancement of AKMA**

*Type: SID revised For: Approval  
 Source: China Mobile*

**Discussion:**

It was clarified that the scope of the TR and the SID should be aligned.

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

**S3-233967 Security in 5G system location services to support user plane positioning**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1765 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

Security in 5G system location services to support user plane positioning.

**Discussion:**

Nokia: too late to do this in Rel-18 without SA1 and SA2 intervention.

Huawei supported this, but suggested to use AKMA for the protection.

Qualcomm: TLS mechanism to be used is out of scope.

It was commented that a TEI18 code could be used since it was a small enhancement.

**Decision:** The document was **revised to S3-234170**.

**S3-234170 Security in 5G system location services to support user plane positioning**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1765 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S3-233967)

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

**S3-233974 Transport security for DNS**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1768 Cat: C (Rel-18)  
  
 Source: Ericsson*

**Discussion:**

Nokia: we agree that the annex is informative.

Qualcomm: we don’t agree with the changes in annex P.

MCC commented that using " recommended" was the same as saying "should" and that was normative language. If informative language was needed it was better to use the term "can". MCC clarified that the annex was changed to normative given that the content had normative language. So either this language was changed to make it informative or the annex should be made normative.

Some companies wanted to make annex P normative when using EDGE.

Huawei: EDGE can refer to P.2.

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

**S3-234171 Transport security for DNS**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1768 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson*

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

**S3-233987 33.501 Rel-17 Correction: Reverting Annex P back to informative**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1769 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S3-234172 33.501 Rel-17 Correction: Reverting Annex P back to informative**

*Type: CR For: Agreement  
 33.501 v17.10.0 CR-1769 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S3-233988 33.501 Rel-18 Correction: Reverting Annex P back to informative**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1770 Cat: A (Rel-18)  
  
 Source: Ericsson*

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

**S3-234021 Data collection and exposure to enable security monitoring**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1775 Cat: B (Rel-18)  
  
 Source: Lenovo, Motorola Mobility, Center for Internet Security, Cablelabs, Johns Hopkins University APL, US National Security Agency, Charter Communications, Telefonica, Rakuten Mobile Inc*

**Discussion:**

Huawei: there was no conclusion in the study, so we cannot go forward with this.

Related to 4017.

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

**S3-234042 Identification of Applications with URSP rules**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1779 Cat: B (Rel-18)  
  
 Source: Lenovo, AT&T, Broadcom, CableLabs, CATT, Charter, China Mobile, China Telecom, Deutsche Telekom, Intel, LG Electronics, Motorola Solutions MSI, NEC, Nokia, Nokia Shanghai Bell, Samsung, Verizon*

**Abstract:**

Addition of the feature to identify managed applications with URSP rules.

**Discussion:**

Huawei,Google, Apple,Qualcomm objected to this CR.

The Chair suggested to esacalate the discussion to Plenary.

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

**S3-233750 Security for Selective SCG Activation**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1722 Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-234191 Correction of UDM service naming**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1686 rev 1 Cat: F (Rel-18)  
  
 Source: BSI (DE)*

(Replaces S3-233611)

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

**S3-234164 Security for Selective SCG Activation**

*Type: draftCR For: Agreement  
 33.501 v18.2.0  
 Source: Huawei, HiSilicon*

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

**S3-233641 ME Change issue correction**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1689 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234152 CR for TR33809 clean up**

*Type: CR For: Approval  
 33.809 v18.0.1 CR-0001 rev 1 Cat: F (Rel-18)  
  
 Source: Apple*

(Replaces S3-233825)

**Decision:** The document was **revised to S3-234163**.

**S3-234163 CR for TR33809 clean up**

*Type: CR For: Approval  
 33.809 v18.0.1 CR-0001 rev 2 Cat: F (Rel-18)  
  
 Source: Apple*

(Replaces S3-234152)

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

**S3-234330 LS to SA6 on SEAL key management provisioning procedure**

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

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

### 4.10 ProSe Secondary Authentication

**S3-233519 Reply LS on ProSe Secondary Authentication**

*Type: LS in For: Information  
 Original outgoing LS: S2-2307743, to SA3, cc CT1  
 Source: S2-2307743*

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

**S3-233576 ProSe Secondary Authentication triggered by SMF during Relay PDU Session establishment**

*Type: other For: Approval  
 Source: InterDigital, Europe, Ltd., LG Electronics, China Telecom*

**Abstract:**

This contribution proposes changes in Living document to TS 33.503 for Prose Secondary Authentication.

**Discussion:**

Qualcomm, Ericsson: Rel-18 is done, we don’t have time for this if there is impact on SA2 procedures. PDU session establsihment is an SA2 procedure, we cannot decide anything here.

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

**S3-233577 ProSe Secondary Authentication for CP and UP**

*Type: other For: Approval  
 Source: InterDigital, Europe, Ltd., LG Electronics, China Telecom*

**Abstract:**

This contribution proposes changes in Living document to TS 33.503 for Prose Secondary Authentication.

**Discussion:**

Ericsson: the update of the WID was rejected in SA plenary, so why are we seeing this change here?

Interdigital: technically there is no change in the procedure, it's just a clarification.

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

**S3-233578 Support for Prose Secondary Authentication**

*Type: draftCR For: Approval  
 33.503 v17.4.0  
 Source: InterDigital, LG Electronics, Samsung, ChinaTelecom, Huawei, HiSilicon*

**Abstract:**

This Draft CR adds support for ProSe Secondary Authentication in the continued work per decision per SA Plenary decision (for SA2 and SA3 to work on ProSe Secondary Authentication in Rel-18 (SP-220716).

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

**S3-233579 [Draft] Reply LS on ProSe Secondary Authentication**

*Type: LS out For: Approval  
 to SA2, cc CT1  
 Source: InterDigital, Europe, Ltd.*

**Abstract:**

This contribution proposes a Reply LS on ProSe Secondary Authentication in response to S3-233519/S2-2307743.

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

**S3-233760 Addressing Editor's Note on remote multiple Remote User ID**

*Type: other For: Approval  
 33.503 v..  
 Source: Huawei, HiSilicon*

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

**S3-233761 pCR on addressing the issue of refaining from sending data by the remote UE**

*Type: other For: Approval  
 33.503 v..  
 Source: Huawei, HiSilicon*

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

**S3-233768 pCR on addressing the issue of refaining from sending data by the remote UE**

*Type: other For: Approval  
 33.503 v..  
 Source: Huawei, HiSilicon*

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

### 4.11 New WID on DTLS protocol profile for AKMA and GBA

**S3-233689 Add AKMA Ua\* protocol based on DTLS to TS 33.535**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0164 Cat: B (Rel-18)  
  
 Source: ZTE*

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

### 4.12 New WID on Security Aspects of the 5G Service Based Architecture Phase 2

**S3-233599 Validation of the parameters sent by OAuth 2.0 client (NF Service Consumer) in the access token request.**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1685 Cat: F (Rel-18)  
  
 Source: Oy LM Ericsson AB*

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

**S3-233941 Validation of the parameters sent by OAuth 2.0 client (NF Service Consumer) in the access token request.**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1760 Cat: F (Rel-18)  
  
 Source: Ericsson, Nokia, Nokia Shanghai Bell*

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

**S3-233942 Use of NF Instance ID in the mutual authentication between the NF Consumer and NRF**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1761 Cat: B (Rel-18)  
  
 Source: Ericsson, Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234206**.

**S3-234206 Use of NF Instance ID in the mutual authentication between the NF Consumer and NRF**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1761 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson, Nokia, Nokia Shanghai Bell*

(Replaces S3-233942)

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

### 4.13 New WID on IETF OSCORE protocol profiles for GBA and AKMA

**S3-234026 Living document for AKMA\_GBA\_OSCORE: draftCR to TS 33.220, IETF OSCORE as GBA Ua protocol**

*Type: draftCR For: Approval  
 33.220 v18.0.0  
 Source: Ericsson, THALES, Xiaomi*

**Decision:** The document was **revised to S3-234231**.

**S3-234231 Living document for AKMA\_GBA\_OSCORE: draftCR to TS 33.220, IETF OSCORE as GBA Ua protocol**

*Type: draftCR For: Approval  
 33.220 v18.0.0  
 Source: Ericsson, THALES, Xiaomi*

(Replaces S3-234026)

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

**S3-234328 IETF OSCORE as GBA Ua protocol**

*Type: CR For: Approval  
 33.220 v18.0.0 CR-0223 Cat: B (Rel-18)  
  
 Source: Ericsson, THALES, Xiaomi*

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

**S3-234027 pCR to GBA OSCORE living doc: Clarifications**

*Type: other For: Approval  
 33.220 v..  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234232**.

**S3-234232 pCR to GBA OSCORE living doc: Clarifications**

*Type: other For: Approval  
 33.220 v..  
 Source: Ericsson*

(Replaces S3-234027)

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

**S3-234028 IETF OSCORE as AKMA Ua\* protocol**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0175 Cat: B (Rel-18)  
  
 Source: Ericsson*

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

**S3-234029 AKMA OSCORE Ua\* protocol identifier**

*Type: CR For: Agreement  
 33.220 v18.0.0 CR-0222 Cat: B (Rel-18)  
  
 Source: Ericsson*

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

### 4.14 New WID on Security aspect of home network triggered primary authentication

**S3-234030 Home Network triggered Primary authentication clarifications**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1777 Cat: F (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234227**.

**S3-234227 Home Network triggered Primary authentication clarifications**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1777 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson*

(Replaces S3-234030)

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

**S3-233652 Resolving EN related to notification**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1695 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233675 Home network initiated authentication**

*Type: CR For: (not specified)  
 33.501 v18.2.0 CR-1699 Cat: F (Rel-18)  
  
 Source: NEC*

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

**S3-233692 Address the EN for name of notification message between AMF and UDM**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1708 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-234031 LS on Nudm\_UECM service operation updates**

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

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

**S3-233653 Resolving EN in HONTRA procedures**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1696 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233699 Address the EN for handing 2 AMFs problem**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1715 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-234100 Discussion on the pending flag in the HONTRA procedure**

*Type: discussion For: Discussion  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-234101 Remove the pending flag in the HONTRA procedure**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1781 Cat: F (Rel-18)  
  
 Source: Xiaomi*

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

**S3-234102 Update to the HONTRA procedure to remove the EN related to the pending flag**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1782 Cat: F (Rel-18)  
  
 Source: Xiaomi*

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

**S3-233693 Alligment stage 3 for SoR and UPU counter wrap**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1709 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233754 Update the potential trigger on SoRUPU case**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1724 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-233868 Resolving AKMA EN in HONTRA procedures**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1743 Cat: F (Rel-18)  
  
 Source: Qualcomm Incorporated, Nokia*

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

**S3-234024 Resolving ENs in HONTRA Procedure**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1776 Cat: F (Rel-18)  
  
 Source: Lenovo*

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

**S3-233691 Address the EN for AAnF factor**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1707 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233930 EN resolving on signalling overload**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1759 Cat: B (Rel-18)  
  
 Source: LG Electronics*

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

**S3-233752 Link KAF refresh to KAKMA refresh**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0165 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon, China Mobile*

**Decision:** The document was **revised to S3-234281**.

**S3-234281 Link KAF refresh to KAKMA refresh**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0165 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon, China Mobile*

(Replaces S3-233752)

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

**S3-233690 Add GPSI to UDM service**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1706 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233910 A possible condition for deriving AKMA key via HONTRA**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0169 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233911 Addition of AAnF functionality**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0170 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-234228**.

**S3-234228 Addition of AAnF functionality**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0170 rev 1 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

(Replaces S3-233911)

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

**S3-233912 Addition of UDM functionality**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0171 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233913 Update AKMA key lifetimes**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0172 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233914 Update AKMA related UDM services**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0173 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233694 Mobility for EPS to 5GC**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1710 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233695 Update the figure of HNA**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1711 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233832 Resolving the AAnF EN for the HONTRA feature**

*Type: other For: Approval  
 33.501 v..  
 Source: BUPT*

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

**S3-233753 Delete EN on two AMF pending flags**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1723 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-233755 Update the Figure and description to align with the latest conclusion.**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1725 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-234099 Correction ot the HONTRA procedure triggered by the AAnF**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1780 Cat: F (Rel-18)  
  
 Source: Xiaomi*

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

**S3-233929 Correction of wrong reference clause number**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1758 Cat: D (Rel-18)  
  
 Source: LG Electronics*

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

**S3-233696 A possible condition for deriving AKMA key via HONTRA**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1712 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233697 Addition of AAnF functionality**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1713 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233698 Addition of UDM functionality**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1714 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233700 Update AKMA key lifetimes**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1716 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-233701 Update AKMA related UDM services**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1717 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

### 4.15 New WID on 5G Security Assurance Specification (SCAS) for the Policy Control Function (PCF)

### 4.16 New WID on Security aspects for 5WWC Phase 2

**S3-233649 AUN3 device supporting 5G key hierarchy procedure**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1692 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, CableLabs*

**Decision:** The document was **revised to S3-234233**.

**S3-234233 AUN3 device supporting 5G key hierarchy procedure**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1692 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, CableLabs*

(Replaces S3-233649)

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

**S3-233650 Correction in AUN3 device procedure**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1693 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, CableLabs*

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

**S3-233651 Correction in AUN3 device procedure for SMC**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1694 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, CableLabs*

**Decision:** The document was **revised to S3-234234**.

**S3-234234 Correction in AUN3 device procedure for SMC**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1694 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, CableLabs*

(Replaces S3-233651)

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

**S3-233671 AUSF sends back MSK to W-AGF after successful EAP authentication**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1698 Cat: C (Rel-18)  
  
 Source: CableLabs*

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

**S3-233757 Delete EN in caluse 7B.7**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1726 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-233758 CR on registration procedure of AUN3 device supporting 5G key hirerachy**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1727 Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

### 4.17 Proposed WID for UAS Phase 2 security

**S3-233864 Living document for UAS draft CR**

*Type: draftCR For: Approval  
 33.256 v17.3.0  
 Source: Qualcomm Incorporated*

(Replaces S3-233425)

**Decision:** The document was **revised to S3-234346**.

**S3-234346 Living document for UAS draft CR**

*Type: draftCR For: Approval  
 33.256 v17.3.0  
 Source: Qualcomm Incorporated*

(Replaces S3-233864)

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

**S3-234347 Adding the security aspects of Rel-18 UAS features**

*Type: CR For: Agreement  
 33.256 v17.3.0 CR-0027 Cat: B (Rel-18)  
  
 Source: Qualcomm Incorporated*

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

**S3-233582 Security and privacy for Direct C2 communications**

*Type: other For: Approval  
 33.256 v..  
 Source: InterDigital, Europe, Ltd.*

**Abstract:**

This contribution proposes changes in clause 5 for inclusion in the living document: draftCR to TS 33.256.

**Decision:** The document was **revised to S3-234208**.

**S3-234208 Security and privacy for Direct C2 communications**

*Type: other For: Approval  
 33.256 v..  
 Source: InterDigital, Europe, Ltd., Huawei, Lenovo*

(Replaces S3-233582)

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

**S3-233816 Direct C2 security for unicast**

*Type: other For: Approval  
 33.256 v..  
 Source: Huawei, HiSilicon*

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

**S3-233866 Resolving the identity privacy EN**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

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

**S3-233867 Resolving the UUAA EN**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

Objection from Lenovo.

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

**S3-234035 Updates to A2X Direct C2 Communication**

*Type: CR For: Approval  
 33.256 v17.3.0 CR-0025 Cat: F (Rel-18)  
  
 Source: Lenovo*

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

**S3-234210 Updates to A2X Direct C2 Communication**

*Type: draftCR For: Approval  
 33.256 v17.3.0  
 Source: Lenovo*

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

**S3-234038 Updates to Direct Detect and Avoid**

*Type: CR For: Approval  
 33.256 v17.3.0 CR-0026 Cat: F (Rel-18)  
  
 Source: Lenovo*

**Discussion:**

Qualcomm: SA2 is responsible to define the IDs ,not SA3.

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

**S3-234209 Updates to Direct Detect and Avoid**

*Type: draftCR For: Approval  
 33.256 v17.3.0  
 Source: Lenovo*

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

**S3-233865 Some proposed changes to the Rel-18 draft CR**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-234211**.

**S3-234211 Some proposed changes to the Rel-18 draft CR**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

(Replaces S3-233865)

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

### 4.18 New WID on Automated certicate management in SBA

**S3-233654 pCR to ACM\_SBA living doc\_General**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234235**.

**S3-234235 pCR to ACM\_SBA living doc\_General**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233654)

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

**S3-233658 pCR to ACM\_SBA living doc\_Set up of initial trust**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, Ericsson*

**Decision:** The document was **revised to S3-234236**.

**S3-234236 pCR to ACM\_SBA living doc\_Set up of initial trust**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, Ericsson*

(Replaces S3-233658)

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

**S3-233664 Discussion paper on automated additions of root CAs certificates using CMP**

*Type: discussion For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233655 pCR to ACM\_SBA living doc\_CMP profile\_cleaning ENs**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234237**.

**S3-234237 pCR to ACM\_SBA living doc\_CMP profile\_cleaning ENs**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233655)

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

**S3-233730 Update to CMPv2 Profiling**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

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

**S3-233657 pCR to ACM\_SBA living doc\_Trusted NF Instance Id**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234238**.

**S3-234238 pCR to ACM\_SBA living doc\_Trusted NF Instance Id**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233657)

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

**S3-233656 pCR to ACM\_SBA living doc\_Validation of usage of X.509 certificate**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234239**.

**S3-234239 pCR to ACM\_SBA living doc\_Validation of usage of X.509 certificate**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233656)

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

**S3-233659 pCR to ACM\_SBA living doc\_Certificate revocation procedures**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233660 pCR to ACM\_SBA living doc\_Certificate Updates**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234240**.

**S3-234240 pCR to ACM\_SBA living doc\_Certificate Updates**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233660)

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

**S3-233766 certificate update of the NF**

*Type: other For: Approval  
 33.310 v..  
 Source: Huawei, HiSilicon*

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

**S3-233661 pCR to ACM\_SBA living doc\_Lifecycle management**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233767 NRF optimization for certificate lifecycle management**

*Type: other For: Approval  
 33.310 v..  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234241**.

**S3-234241 NRF optimization for certificate lifecycle management**

*Type: other For: Approval  
 33.310 v..  
 Source: Huawei, HiSilicon*

(Replaces S3-233767)

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

**S3-233662 pCR to ACM\_SBA living doc\_slicing**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234242**.

**S3-234242 pCR to ACM\_SBA living doc\_slicing**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233662)

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

**S3-234006 pCR to ACM\_SBA living doc: Best practice security for key management**

*Type: other For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234243**.

**S3-234243 pCR to ACM\_SBA living doc: Best practice security for key management**

*Type: other For: -  
 Source: Ericsson*

(Replaces S3-234006)

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

**S3-233663 draftCR\_living\_doc\_ACM\_SBA**

*Type: draftCR For: Agreement  
 33.310 v18.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234244**.

**S3-234244 draftCR\_living\_doc\_ACM\_SBA**

*Type: draftCR For: Agreement  
 33.310 v18.0.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233663)

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

**S3-234313 Certificate Management for 5GC NFs**

*Type: CR For: Agreement  
 33.310 v18.0.0 CR-0168 Cat: B (Rel-18)  
  
 Source: Nokia*

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

### 4.19 New WID on security enhancements for NGRTC

**S3-233852 Living CR for RTC**

*Type: other For: Approval  
 33.328 v..  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234247**.

**S3-234247 Living CR for RTC**

*Type: draftCR For: Approval  
 33.328 v..  
 Source: Huawei, HiSilicon*

(Replaces S3-233852)

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

**S3-234033 Annex N additions for IMS data channels.**

*Type: CR For: Agreement  
 33.328 v17.1.0 CR-0070 Cat: B (Rel-18)  
  
 Source: Ericsson*

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

**S3-234245 Annex N additions for IMS data channels.**

*Type: other For: Agreement  
 33.328 v17.1.0  
 Source: Ericsson*

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

**S3-234034 IMS Data channel security updates**

*Type: draftCR For: Approval  
 33.328 v17.1.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234246**.

**S3-234246 IMS Data channel security updates**

*Type: other For: Approval  
 33.328 v17.1.0  
 Source: Ericsson*

(Replaces S3-234034)

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

**S3-234337 CR on security aspects of NG RTC**

*Type: CR For: Agreement  
 33.328 v17.1.0 CR-0071 Cat: B (Rel-18)  
  
 Source: Huawei*

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

### 4.20 New WID on Security Aspects of Enhancement of Support for Edge Computing in 5GC — phase 2

**S3-233985 Correction on GPSI verification**

*Type: other For: Approval  
 33.558 v..  
 Source: Ericsson*

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

**S3-234260 Correction on GPSI verification**

*Type: other For: Approval  
 33.558 v..  
 Source: Ericsson*

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

**S3-233986 More clarification on authentication of EEC by EES**

*Type: other For: Approval  
 33.558 v..  
 Source: Ericsson*

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

**S3-234001 [draftCR] Informative annex for details of authentication method**

*Type: draftCR For: Agreement  
 33.558 v17.3.0  
 Source: Samsung*

**Discussion:**

Qualcomm: many mistakes (key names wrong) and I cannot see how this can be added.

Samsung: these details are needed.

Nokia: an informative annex is useful for the reader.We support this.

Apple: this is not needed.

Qualcomm: we agreed not to standardize any method, so we shouldn’t add any info on things we didn’t standardize.

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

**S3-233831 Add authentication method negotiation between EEC and ECS or EES**

*Type: other For: Agreement  
 33.558 v..  
 Source: OPPO*

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

**S3-233984 EEC authentication and authentication method negotiation**

*Type: other For: Approval  
 33.558 v..  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234256**.

**S3-234256 EEC authentication and authentication method negotiation**

*Type: other For: Approval  
 33.558 v..  
 Source: Ericsson*

(Replaces S3-233984)

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

**S3-234003 draftCR on ECS and EES authentication method indication**

*Type: draftCR For: Agreement  
 33.558 v17.3.0  
 Source: Samsung, Lenovo, InterDigital, Intel, Thales, Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234195**.

**S3-234195 draftCR on ECS and EES authentication method indication**

*Type: draftCR For: Agreement  
 33.558 v17.3.0  
 Source: Samsung, Lenovo, InterDigital, Intel, Thales, Huawei, HiSilicon*

(Replaces S3-234003)

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

**S3-234112 Security method negotiation mechanism for EEC and ECSEES**

*Type: draftCR For: Agreement  
 33.558 v17.3.0  
 Source: Xiaomi Communications*

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

**S3-233840 Clarification on EES authorization**

*Type: other For: Approval  
 33.558 v..  
 Source: Huawei, HiSilicon*

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

**S3-233980 Token-based EES authorization**

*Type: other For: Approval  
 33.558 v..  
 Source: Ericsson*

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

**S3-233983 EEC provided IP address verification**

*Type: other For: Approval  
 33.558 v..  
 Source: Ericsson*

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

**S3-234004 draftCR for IP address verification on EES API exposure**

*Type: draftCR For: Agreement  
 33.558 v17.3.0  
 Source: Samsung*

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

**S3-233977 Adressing security of Edge Node Sharing**

*Type: other For: Approval  
 33.558 v..  
 Source: Ericsson*

**Discussion:**

Huawei didn’t agree with the contribution.

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

**S3-233841 Living CR of EDGE\_Ph2 on TS 33.558**

*Type: draftCR For: Approval  
 33.558 v17.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234196**.

**S3-234196 Living CR of EDGE\_Ph2 on TS 33.558**

*Type: draftCR For: Approval  
 33.558 v17.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-233841)

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

**S3-233842 Living CR of EDGE\_Ph2 on TS\_33.501**

*Type: draftCR For: Approval  
 33.501 v18.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234197**.

**S3-234197 Living CR of EDGE\_Ph2 on TS\_33.501**

*Type: draftCR For: Approval  
 33.501 v18.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-233842)

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

**S3-233845 CR of EDGE\_Ph2 on TS 33.558**

*Type: CR For: Approval  
 33.558 v17.3.0 CR-0015 Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234198**.

**S3-234198 Correction of NAI format for 5G NSWO**

*Type: CR For: Approval  
 33.558 v17.3.0 CR-0015 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

(Replaces S3-233845)

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

**S3-233846 CR of EDGE\_Ph2 on TS 33.501**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1741 Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234199**.

**S3-234199 Security of EAS discovery procedure via V-EASDF in roaming Scenario**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1741 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

(Replaces S3-233846)

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

### 4.21 New WID on AKMA phase 2

**S3-234016 Clarification on Kaf refresh in AKMA**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0174 Cat: F (Rel-18)  
  
 Source: OPPO*

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

**S3-234044 Clarification on Kaf refresh in AKMA**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0176 Cat: F (Rel-18)  
  
 Source: OPPO*

**Decision:** The document was **revised to S3-234248**.

**S3-234248 Clarification on Kaf refresh in AKMA**

*Type: CR For: Agreement  
 33.535 v18.0.0 CR-0176 rev 1 Cat: F (Rel-18)  
  
 Source: OPPO*

(Replaces S3-234044)

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

### 4.22 New WID on security aspects of MSGin5G Ph2

**S3-233702 Add some context to 5GMSG on AKMA Ua star protocol**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1718 Cat: F (Rel-18)  
  
 Source: ZTE*

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

### 4.23 New WID on security aspects of enablers for Network Automation for 5G - phase 3

**S3-233950 living CR for eNA**

*Type: draftCR For: Approval  
 33.501 v18.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-234282**.

**S3-234282 living CR for eNA**

*Type: draftCR For: Approval  
 33.501 v18.2.0  
 Source: China Mobile*

(Replaces S3-233950)

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

**S3-234355 Security aspects of enablers for Network Automation for 5G**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1786 Cat: B (Rel-18)  
  
 Source: China Mobile*

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

**S3-233853 Editorials changes of X.8 and X.9**

*Type: other For: Approval  
 33.738 v..  
 Source: China moble*

**Abstract:**

Editorial changes and correction

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

**S3-233946 Procedure for protection of analytics exchange in roaming case**

*Type: other For: Approval  
 33.501 v..  
 Source: China Mobile*

**Decision:** The document was **revised to S3-234283**.

**S3-234283 Procedure for protection of analytics exchange in roaming case**

*Type: other For: Approval  
 33.501 v..  
 Source: China Mobile*

(Replaces S3-233946)

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

**S3-233947 Updates on clause 13 for eNA analytics roaming**

*Type: other For: Approval  
 33.501 v..  
 Source: China Mobile*

**Decision:** The document was **revised to S3-234284**.

**S3-234284 Updates on clause 13 for eNA analytics roaming**

*Type: other For: Approval  
 33.501 v..  
 Source: China Mobile*

(Replaces S3-233947)

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

**S3-233945 Procedure for protection of data exchange in roaming case**

*Type: other For: Approval  
 33.501 v..  
 Source: China Mobile*

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

**S3-234285 Procedure for protection of data exchange in roaming case**

*Type: other For: Approval  
 33.501 v..  
 Source: China Mobile*

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

**S3-233948 Updates on clause 13 for eNA data roaming**

*Type: other For: Approval  
 33.501 v..  
 Source: China Mobile*

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

**S3-233667 pCR on Living draft CR WID eNA\_Ph3\_FL\_Authorization - diagram**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234286**.

**S3-234286 pCR on Living draft CR WID eNA\_Ph3\_FL\_Authorization - diagram**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233667)

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

**S3-233666 pCR on Living draft CR WID eNA\_Ph3\_FL\_Authorization**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234287**.

**S3-234287 pCR on Living draft CR WID eNA\_Ph3\_FL\_Authorization**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233666)

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

**S3-233724 Update Service Area in FL Authorization**

*Type: other For: Approval  
 33.501 v..  
 Source: Huawei, HiSilicon*

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

**S3-233925 Resolving Editor's Note on Authorization of selection of participant NWDAF instances in the Federated Learning group**

*Type: other For: Approval  
 Source: Ericsson*

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

**S3-233896 Update to living CR for eNA-X.9**

*Type: draftCR For: Approval  
 33.501 v18.2.0  
 Source: China Telecommunications*

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

**S3-233732 Clarification on authorization for FL and model sharing**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

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

**S3-233665 pCR on Living draft CR WID eNA\_Ph3\_Key distribution EN**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233924 Resolving Editor's Note on key distribution**

*Type: other For: Approval  
 Source: Ericsson*

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

**S3-233932 Key Distribution for Secure Model Sharing**

*Type: draftCR For: (not specified)  
 33.501 v18.2.0  
 Source: Intel Corporation (UK) Ltd*

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

**S3-233923 Resolving Editor's Note on Interoperability indicator of model storage consumer**

*Type: other For: Approval  
 Source: Ericsson*

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

**S3-233931 Authorization Mechanism for NWDAF and NF Service Consumer using Vendor ID**

*Type: draftCR For: (not specified)  
 33.501 v18.2.0  
 Source: Intel Corporation (UK) Ltd*

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

**S3-233926 Authorization of Model Sharing with MTLF**

*Type: other For: Approval  
 Source: Ericsson*

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

**S3-233727 Clarify the Allowed NF list and resolve EN in Model authorizaion procedure**

*Type: other For: Approval  
 33.501 v..  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234288**.

**S3-234288 Clarify the Allowed NF list and resolve EN in Model authorizaion procedure**

*Type: other For: Approval  
 33.501 v..  
 Source: Huawei, HiSilicon*

(Replaces S3-233727)

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

**S3-233951 Security for AIML model storage and sharing**

*Type: other For: Approval  
 33.501 v..  
 Source: China Mobile*

**Decision:** The document was **revised to S3-234289**.

**S3-234289 Security for AIML model storage and sharing**

*Type: other For: Approval  
 33.501 v..  
 Source: China Mobile*

(Replaces S3-233951)

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

**S3-233725 Discussion paper on protection of DataSetTag**

*Type: discussion For: Discussion  
 33.501 v..  
 Source: Huawei, HiSilicon*

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

**S3-233726 Procedure for secured and authorized AI/ML model data sharing**

*Type: other For: Approval  
 33.501 v..  
 Source: Huawei, HiSilicon*

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

### 4.24 New WID on Security aspects of enhanced support of Non-Public Networks phase 2

**S3-233733 Security for NSWO support in SNPN**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

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

**S3-233734 Discussion for security issue for NSWO**

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

**Discussion:**

Ericsson didn’t support this.

Cable Labs supported this contribution.

Nokia: we need more time to figure out if there is a problem.

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

**S3-233927 NSWO support in SNPN without CH and with CH using AUSF/UDM**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1756 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234275**.

**S3-234275 NSWO support in SNPN without CH and with CH using AUSF/UDM**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1756 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson*

(Replaces S3-233927)

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

**S3-234113 Discussion on decorated NAI issue for NSWO in SNPN scenarios**

*Type: discussion For: Endorsement  
 Source: Xiaomi Communications*

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

**S3-234114 Update living doc for NAI format of NSWO in SNPN scenarios**

*Type: other For: Approval  
 33.501 v..  
 Source: Xiaomi Communications*

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

**S3-233669 NSWO support in SNPN using CH with AAA server**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1697 Cat: B (Rel-18)  
  
 Source: CableLabs, Charter Communications*

**Decision:** The document was **revised to S3-234290**.

**S3-234290 NSWO support in SNPN using CH with AAA server**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1697 rev 1 Cat: B (Rel-18)  
  
 Source: CableLabs, Charter Communications*

(Replaces S3-233669)

**Discussion:**

It was agreed to attach this CR to the LS in 4291 and bring it back next meeting.

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

**S3-233670 LS on NSWO support in SNPN using CH AAA server**

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

**Decision:** The document was **revised to S3-234291**.

**S3-234291 LS on NSWO support in SNPN using CH AAA server**

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

(Replaces S3-233670)

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

**S3-233756 Security for access to SNPN services via Trusted non-3GPP access**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

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

**S3-233969 Resolution of editor notes related to the temporary identifier used during trusted non-3GPP access.**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1766 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234292**.

**S3-234292 Resolution of editor notes related to the temporary identifier used during trusted non-3GPP access.**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1766 rev 1 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233969)

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

**S3-233928 Authentication method selection and clause structure for non-3GPP access support in SNPN**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1757 Cat: F (Rel-18)  
  
 Source: Ericsson*

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

**S3-233970 Resolution of editor notes related to selection of authentication method.**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1767 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234293**.

**S3-234293 Resolution of editor notes related to selection of authentication method.**

*Type: CR For: Approval  
 33.501 v18.2.0 CR-1767 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233970)

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

**S3-234115 Resolve ENs related to authentication method selection in SNPN scenarios**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1783 Cat: F (Rel-18)  
  
 Source: Xiaomi Communications*

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

**S3-233685 Correction on Support for N5CW devices in SNPN with CH**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1702 Cat: F (Rel-18)  
  
 Source: ZTE*

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

### 4.25 New WID on Security Aspects of Proximity-based Services in 5GS Phase 2

**S3-234055 Living document for 5G\_ProSe\_Ph2**

*Type: draftCR For: Approval  
 33.503 v17.4.0  
 Source: CATT*

**Decision:** The document was **revised to S3-234251**.

**S3-234251 Living document for 5G\_ProSe\_Ph2**

*Type: draftCR For: Approval  
 33.503 v17.4.0  
 Source: CATT*

(Replaces S3-234055)

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

**S3-234331 5G\_ProSe\_Ph2 security enhancement**

*Type: CR For: Approval  
 33.503 v17.4.0 CR-0123 Cat: B (Rel-18)  
  
 Source: CATT*

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

**S3-233704 Update clause 6.6.4**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-234252**.

**S3-234252 Update clause 6.6.4**

*Type: other For: Approval  
 Source: ZTE Corporation*

(Replaces S3-233704)

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

**S3-233748 Correction about the clause of L2 UE-to-UE relay**

*Type: other For: Approval  
 33.503 v..  
 Source: Huawei, HiSilicon*

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

**S3-233905 Cleanup ENs of emergency support in the 5G\_ProSe\_Ph2 living doc**

*Type: other For: Approval  
 33.503 v..  
 Source: Ericsson*

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

**S3-233580 Identity privacy for L3 U2U Relay**

*Type: other For: Approval  
 Source: InterDigital, Europe, Ltd.*

**Abstract:**

This contribution proposes changes in Living document to TS 33.503 for 5G\_Prose\_Ph2.

**Decision:** The document was **revised to S3-234335**.

**S3-234335 Identity privacy for L3 U2U Relay**

*Type: other For: Approval  
 Source: InterDigital, Europe, Ltd.*

(Replaces S3-233580)

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

**S3-233586 4.25 - Update to 5G ProSe UE-to-UE Discovery Model A - small correction**

*Type: other For: Approval  
 33.503 v..  
 Source: Philips International B.V.*

**Decision:** The document was **revised to S3-234253**.

**S3-234253 4.25 - Update to 5G ProSe UE-to-UE Discovery Model A - small correction**

*Type: other For: Approval  
 33.503 v..  
 Source: Philips International B.V.*

(Replaces S3-233586)

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

**S3-233587 4.25 - Update to 5G ProSe UE-to-UE Discovery Model B - small correction**

*Type: other For: Approval  
 33.503 v..  
 Source: Philips International B.V.*

**Decision:** The document was **revised to S3-234254**.

**S3-234254 4.25 - Update to 5G ProSe UE-to-UE Discovery Model B - small correction**

*Type: other For: Approval  
 33.503 v..  
 Source: Philips International B.V.*

(Replaces S3-233587)

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

**S3-234105 Update to the UE-to-UE Relay Discvoery with Model A procedure**

*Type: other For: Approval  
 33.503 v..  
 Source: Beijing Xiaomi Mobile Software*

**Decision:** The document was **revised to S3-234255**.

**S3-234255 Update to the UE-to-UE Relay Discvoery with Model A procedure**

*Type: other For: Approval  
 33.503 v..  
 Source: Beijing Xiaomi Mobile Software*

(Replaces S3-234105)

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

**S3-233585 4.25 - Update to 5G ProSe UE-to-UE Discovery Model A - VT**

*Type: other For: Approval  
 33.503 v..  
 Source: Philips International B.V.*

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

**S3-234059 Update security procedure of U2U relay discovery Model A**

*Type: draftCR For: Approval  
 33.503 v17.4.0  
 Source: CATT*

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

**S3-233875 Updating security procedure for U2U relay discovery with model A in ProSe draft CR**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

CATT didn’t find this acceptable.

Interdigital didn’t agree with the proposals in 585, 059 and 875.

**Decision:** The document was **revised to S3-234339**.

**S3-234339 Updating security procedure for U2U relay discovery with model A in ProSe draft CR**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

(Replaces S3-233875)

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

**S3-233876 Updating security procedure for U2U relay discovery with model B in ProSe draft CR**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

Xiaomi proposed to add some more text in step 0.

**Decision:** The document was **revised to S3-234340**.

**S3-234340 Updating security procedure for U2U relay discovery with model B in ProSe draft CR**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

(Replaces S3-233876)

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

**S3-233880 Update general clause of U2U Relay discovery security in ProSe draft CR**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

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

**S3-234036 Update to the security procedure for U2U Relay Discovery with Model A in ProSe living doc**

*Type: other For: Approval  
 33.503 v..  
 Source: Samsung*

**Discussion:**

Qualxomm and CATT didn’t agree with this.

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

**S3-234064 Detailed protection information of U2U relay discovery**

*Type: draftCR For: Approval  
 33.503 v17.4.0  
 Source: CATT*

**Discussion:**

Huawei: we need some clarifications from CT1 group, but we are fine with the changes.

Interdigital: this is redundant. The protection mechanism is already specified.

CATT agreed to keep only the first change.

**Decision:** The document was **revised to S3-234257**.

**S3-234257 Detailed protection information of U2U relay discovery**

*Type: draftCR For: Approval  
 33.503 v17.4.0  
 Source: CATT*

(Replaces S3-234064)

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

**S3-233906 Resolve ENs of security with network assistance in the 5G\_ProSe\_Ph2 living doc**

*Type: other For: Approval  
 33.503 v..  
 Source: Ericsson, China Telecom*

**Discussion:**

Not agreeable by Interdigital.

**Decision:** The document was **revised to S3-234341**.

**S3-234341 Resolve ENs of security with network assistance in the 5G\_ProSe\_Ph2 living doc**

*Type: other For: Approval  
 33.503 v..  
 Source: Ericsson, China Telecom*

(Replaces S3-233906)

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

**S3-234103 Update to the security procedure for UE-to-UE Relay communication with network assistance**

*Type: other For: Approval  
 33.503 v..  
 Source: Beijing Xiaomi Mobile Software*

**Discussion:**

Interdigital disagreed with the contribution.

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

**S3-234104 Update to the security procedure for UE-to-UE Relay communication without network assistance**

*Type: other For: Approval  
 33.503 v..  
 Source: Beijing Xiaomi Mobile Software*

**Discussion:**

Qualcomm: not fine with the second bullet.

**Decision:** The document was **revised to S3-234258**.

**S3-234258 Update to the security procedure for UE-to-UE Relay communication without network assistance**

*Type: other For: Approval  
 33.503 v..  
 Source: Beijing Xiaomi Mobile Software*

(Replaces S3-234104)

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

**S3-233584 4.25 - 5G ProSe UE-to-UE Selection of security mechanism**

*Type: other For: Approval  
 33.503 v..  
 Source: Philips International B.V.*

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

**S3-233674 Selection methods between mechanisms with or without network assistance**

*Type: other For: Approval  
 Source: China Telecom Corporation Ltd.,Huawei, HiSilicon, Interdigital, Philips, Ericsson*

**Decision:** The document was **revised to S3-234259**.

**S3-234259 Selection methods between mechanisms with or without network assistance**

*Type: other For: Approval  
 Source: China Telecom Corporation Ltd.,Huawei, HiSilicon, Interdigital, Philips, Ericsson*

(Replaces S3-233674)

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

**S3-233703 Update clause 6.6.3.3 to 5G\_ProSe\_Ph2 living doc**

*Type: other For: Approval  
 Source: ZTE Corporation*

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

**S3-233877 Updating selection mechanisms in ProSe draft CR**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

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

**S3-234058 Selection between establishing PC5 security with or without network assistance**

*Type: draftCR For: Approval  
 33.503 v17.4.0  
 Source: CATT*

**Discussion:**

CATT presented this as opposed to the contribution in 584. They argued that this had better chance to be implemented in the field, to be near the application layer,rather than the current work in 584.

The Chair advised CATT to work together with the rest of the companies in contribution 584.

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

**S3-233581 Identity privacy for L2 U2U Relay**

*Type: other For: Approval  
 Source: InterDigital, Europe, Ltd.*

**Abstract:**

This contribution proposes changes in Living document to TS 33.503 for 5G\_Prose\_Ph2.

**Decision:** The document was **revised to S3-234336**.

**S3-234336 Identity privacy for L2 U2U Relay**

*Type: other For: Approval  
 Source: InterDigital, Europe, Ltd.*

(Replaces S3-233581)

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

**S3-233881 Adding a description for privacy of identities during layer-2 U2U relay reselection**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

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

**S3-233588 4.25 - Integrated discovery**

*Type: other For: Approval  
 33.503 v..  
 Source: Philips International B.V.*

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

**S3-233744 Security of UE-to-UE Relay with integrated discovery**

*Type: other For: Approval  
 33.503 v..  
 Source: Huawei, HiSilicon*

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

**S3-233747 Security mechanism selection in integrated discovery of UE-to-UE Relay**

*Type: other For: Approval  
 33.503 v..  
 Source: Huawei, HiSilicon*

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

**S3-233878 Adding integrated discovery security**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

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

**S3-233907 Security of 5G ProSe PC5 Communication with integrated discovery for 5G ProSe Layer-3 UE-to-UE Relay with network assistance**

*Type: other For: Approval  
 33.503 v..  
 Source: Ericsson*

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

**S3-234057 Security for integrated U2U relay discovery**

*Type: draftCR For: Approval  
 33.503 v17.4.0  
 Source: CATT*

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

**S3-234106 Security for 5G ProSe UE-to-UE Relay communication with integrated Discovery**

*Type: other For: Approval  
 33.503 v..  
 Source: Beijing Xiaomi Mobile Software*

**Discussion:**

Xiaomi: No protection for discovery in V2X. Either we have protection or not.

Huawei: fine with no protection.

CATT: we defined security for discovery in our solution but people didn’t want to go this way.

There were seven proposals in total, but whether to go for V2X or network-assisted needed to be agreed.

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

**S3-234019 Security Policy Handling in U2U Relay**

*Type: other For: Approval  
 Source: OPPO, Xidian*

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

**S3-234062 Hop-by-hop security policy**

*Type: draftCR For: Approval  
 33.503 v17.4.0  
 Source: CATT*

**Discussion:**

OPPO: not implied anywhere that hop by hop security is mandatory.

Qualcomm: hop by hop is already specified. They didn’t agree with this proposal.

The Chair commented that although no mentioned the link was protected.

OPPO: but this protection is not mandatory.

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

**S3-233749 Clarification about selection of security mechanisms in path switching for U2N relay**

*Type: other For: Approval  
 33.503 v..  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234276**.

**S3-234276 Clarification about selection of security mechanisms in path switching for U2N relay**

*Type: other For: Approval  
 33.503 v..  
 Source: Huawei, HiSilicon*

(Replaces S3-233749)

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

**S3-234039 Update to clause 4.2 in ProSe living doc**

*Type: other For: Agreement  
 33.503 v..  
 Source: Samsung*

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

**S3-234043 Update to clause 7 in ProSe living doc**

*Type: other For: Agreement  
 33.503 v..  
 Source: Samsung*

**Decision:** The document was **revised to S3-234261**.

**S3-234261 Update to clause 7 in ProSe living doc**

*Type: other For: Agreement  
 33.503 v..  
 Source: Samsung*

(Replaces S3-234043)

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

**S3-234127 Update to clause 5.2.5.2 in ProSe living doc**

*Type: other For: Agreement  
 33.503 v..  
 Source: Samsung*

(Replaces S3-234041)

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

**S3-233848 Clarification on the authorization of UE Relay**

*Type: other For: Approval  
 33.503 v..  
 Source: Huawei, HiSilicon*

**Discussion:**

Qualcomm didn’t agree with this. It was never discussed during the study and this is the last meeting for Prose. No time to consider this. CATT agreed with Qualcomm. Philips supported this as well.

Huawei: not a big issue that can be solved now.

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

**S3-233849 Clarification about selection of U2N relay**

*Type: other For: Approval  
 33.503 v..  
 Source: Huawei, HiSilicon*

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

**S3-233850 Clarification about Layer-2 link modification**

*Type: other For: Approval  
 33.503 v..  
 Source: Huawei, HiSilicon*

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

**S3-234041 Update to clause 5.2.5.2 in ProSe living doc**

*Type: other For: Agreement  
 33.503 v..  
 Source: Samsung*

**Decision:** The document was **revised to S3-234127**.

### 4.26 New WID on Security Aspects of Ranging Based Services and Sidelink Positioning

**S3-233705 pCR to 33.533 Update clause 3**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: ZTE Corporation*

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

**S3-234073 33.533: Terms and Abbreviations**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-234262**.

**S3-234262 33.533: Terms and Abbreviations**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-234073)

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

**S3-233706 pCR to 33.533 Update clause 4**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: ZTE Corporation*

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

**S3-234074 33.533: Functional Entity of SLPKMF**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-234264**.

**S3-234264 33.533: Functional Entity of SLPKMF**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-234074)

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

**S3-234075 33.533: Update of Reference Points**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-234342**.

**S3-234342 33.533: Update of Reference Points**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-234075)

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

**S3-234076 33.533: Common Security**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-234343**.

**S3-234343 33.533: Common Security**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-234076)

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

**S3-233883 Adding discovery security procedures for V2X capable UEs**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-234265**.

**S3-234265 Adding discovery security procedures for V2X capable UEs**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

(Replaces S3-233883)

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

**S3-233884 Updates on discovery procedures**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

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

**S3-233915 Add Discovery Security Procedure for V2X Capable UEs**

*Type: other For: Agreement  
 33.533 v..  
 Source: Guangdong OPPO Mobile Telecom.*

**Discussion:**

It was queried whether the editor's note could be kept, MCC replied that a new WID would be needed to address it since the current WID had to be finished It was agreed to state that DCR was left unprotected. It wasn’t possible to do it as maintenance.

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

**S3-234077 33.533: Protection of Integrated Discovery for V2X UE**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

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

**S3-233719 Authorization for UE role in ranging**

*Type: other For: Approval  
 33.893 v..  
 Source: Huawei, HiSilicon*

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

**S3-234078 33.533: Procedure of UE Role Authorization**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

**Discussion:**

Ericsson, Qualcomm: remove the V2X part.

**Decision:** The document was **revised to S3-234266**.

**S3-234266 33.533: Procedure of UE Role Authorization**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-234078)

**Decision:** The document was **revised to S3-234356**.

**S3-234356 33.533: Procedure of UE Role Authorization**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-234266)

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

**S3-233722 Removal of the editor’s note on MT-LR procedure**

*Type: other For: Approval  
 33.893 v..  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234344**.

**S3-234344 Removal of the editor’s note on MT-LR procedure**

*Type: other For: Approval  
 33.893 v..  
 Source: Huawei, HiSilicon*

(Replaces S3-233722)

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

**S3-233723 Authorization of AF or 5GC NF for UEs belonging to several PLMNs**

*Type: other For: Approval  
 33.893 v..  
 Source: Huawei, HiSilicon*

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

**S3-234092 33.533: update to the procedure for authorization of AF/5GCNF for Ranging/SL Positioning service exposure**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-234268 33.533: update to the procedure for authorization of AF/5GCNF for Ranging/SL Positioning service exposure**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-234093 33.533: remove the EN related to the privacy profile**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

**Discussion:**

EricssonL these changes should be handled in SA2.

Philips had a similar thought.

Xiaomi: SA2 didn’t define a privacy profile, so we have to define it. Philips agreed that it needed to be added. The Chair proposed to agree in SA3 and send an LS to SA2.

**Decision:** The document was **revised to S3-234269**.

**S3-234269 33.533: remove the EN related to the privacy profile**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

(Replaces S3-234093)

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

**S3-233718 Authorization for the SL Positioning Client UE**

*Type: other For: Approval  
 33.893 v..  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234345**.

**S3-234345 Authorization for the SL Positioning Client UE**

*Type: other For: Approval  
 33.893 v..  
 Source: Huawei, HiSilicon*

(Replaces S3-233718)

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

**S3-233943 4.26 - Authorization of UEs for Ranging-SL Positioning service exposure**

*Type: other For: Approval  
 33.533 v..  
 Source: Philips International B.V.*

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

**S3-234081 33.533: Client UE Authorization for Service Exposure via PC5**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

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

**S3-234082 33.533: Client UE Authorization for Service Exposure via 5GC User Plane**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

**Discussion:**

Ericsson: we plan to propose to remove the whole user plane solution in the next SA2 meeting.

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

**S3-234083 33.533: Client UE Authorization for Service Exposure via 5GC Control Plane**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

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

**S3-233589 4.26 - Privacy protection of sharing location of Located UE with Target UE**

*Type: other For: Approval  
 33.533 v..  
 Source: Philips International B.V.*

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

**S3-234084 33.533: Procedure of Privacy Verification for UE-only Operation**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-234271**.

**S3-234271 33.533: Procedure of Privacy Verification for UE-only Operation**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-234084)

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

**S3-234085 33.533: Security Procedure for Unicast Communication without Long-term Credential**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-234272**.

**S3-234272 33.533: Security Procedure for Unicast Communication without Long-term Credential**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-234085)

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

**S3-233707 pCR to 33.533 Update clause 6.4.4**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: ZTE Corporation*

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

**S3-234079 33.533: Security for Communication between the UE and LMF**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-234273**.

**S3-234273 33.533: Security for Communication between the UE and LMF**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-234079)

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

**S3-234080 33.533: Requriement for UE Authorization during Communication**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-234357**.

**S3-234357 33.533: Requriement for UE Authorization during Communication**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-234080)

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

**S3-233590 4.26 - Secure broadcast/groupcast of ranging information**

*Type: other For: Approval  
 33.533 v..  
 Source: Philips International B.V.*

**Discussion:**

Procedures merged into 4279.

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

**S3-233834 Secuity requirement for groupcast and broadcat communication**

*Type: other For: Agreement  
 33.533 v..  
 Source: OPPO*

**Discussion:**

Procedures into 4279.

**Decision:** The document was **revised to S3-234278**.

**S3-234278 Secuity requirement for groupcast and broadcat communication**

*Type: other For: Agreement  
 33.533 v..  
 Source: OPPO*

(Replaces S3-233834)

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

**S3-234086 33.533: Security Requriements and Key Hierarchy for SLPP Signalling Broadcast and Groupcast**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

**Discussion:**

Only requirement part is merged.

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

**S3-233835 Add security procedures for groupcast communication**

*Type: other For: Agreement  
 33.533 v..  
 Source: OPPO*

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

**S3-233882 Adding one-to-many communication security in SL positioning draft CR**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Discussion:**

Requirement part will go to 4278.

**Decision:** The document was **revised to S3-234279**.

**S3-234279 Adding one-to-many communication security in SL positioning draft CR**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

(Replaces S3-233882)

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

**S3-234065 PCR to TS33.533-Security for broadcast and groupcast communication**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: CATT*

**Discussion:**

Procedures into 4279.

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

**S3-234087 33.533: Security Procedure for SLPP Signalling Groupcast involving the Network**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

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

**S3-234088 33.533: Security Procedure for SLPP Signalling Groupcast without involving the Network**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Xiaomi Technology*

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

**S3-234094 33.533: Security related services**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

**Decision:** The document was **revised to S3-234358**.

**S3-234358 33.533: Security related services**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

(Replaces S3-234094)

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

**S3-233897 Add Discovery Security Procedure for V2X Capable UEs**

*Type: pCR For: Approval  
 33.533 v0.1.0  
 Source: Guangdong OPPO Mobile Telecom.*

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

**S3-234263 Draft TS 33.533**

*Type: draft TS For: Approval  
 33.533 v0.2.0  
 Source: Xiaomi*

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

**S3-234270 LS on privacy profile**

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

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

**S3-234359 Cover sheet TS 33.533**

*Type: TS or TR cover For: Approval  
 33.533 v..  
 Source: Xiaomi*

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

### 4.27 New WID on enhanced security aspects of SEAL for vertical

### 4.28 New WID on application enablement aspects for subscriber-aware northbound API access

**S3-234129 pCR to draft CR on SNAAPPY - editorials**

*Type: other For: Approval  
 33.122 v..  
 Source: NTT DOCOMO INC.*

**Decision:** The document was **revised to S3-234297**.

**S3-234297 pCR to draft CR on SNAAPPY - editorials**

*Type: other For: Approval  
 33.122 v..  
 Source: NTT DOCOMO INC.*

(Replaces S3-234129)

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

**S3-234046 pCR to living document of RNAA: updates to clause 5**

*Type: other For: Agreement  
 33.122 v..  
 Source: Samsung*

**Discussion:**

Clause 5.1 is merged into S3-234297.

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

**S3-233790 pCR to DraftCR SNAAPPY Functional security models for CAPIF supporting RNAA**

*Type: draftCR For: Approval  
 33.122 v18.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233972 pCR to DraftCR SNAAPPY: Definition of device**

*Type: draftCR For: Approval  
 33.122 v18.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233736 API invoker obtaining authorization from resource owner**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

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

**S3-233791 pCR to DraftCR SNAAPPY API invoker is part of UE**

*Type: draftCR For: Approval  
 33.122 v18.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233976 pCR to SNAAPPY CR baseline living document**

*Type: other For: Approval  
 33.122 v..  
 Source: Ericsson*

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

**S3-234049 Authentication and authorization using OAuth including redirection**

*Type: other For: Agreement  
 33.122 v..  
 Source: Samsung*

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

**S3-234121 Authorization code grant with PKCE for the RNAA scenarios**

*Type: other For: Agreement  
 33.122 v..  
 Source: Xiaomi Communications*

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

**S3-234123 Client credentials grant type for the RNAA scenarios**

*Type: other For: Agreement  
 33.122 v..  
 Source: Xiaomi Communications*

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

**S3-234125 Authorization code flow for the RNAA scenarios**

*Type: other For: Agreement  
 33.122 v..  
 Source: Xiaomi Communications*

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

**S3-234130 pCR to draft CR on SNAAPPY - adding oauth flows**

*Type: other For: Approval  
 33.122 v..  
 Source: NTT DOCOMO INC.*

**Decision:** The document was **revised to S3-234298**.

**S3-234298 pCR to draft CR on SNAAPPY - adding oauth flows**

*Type: other For: Approval  
 33.122 v..  
 Source: NTT DOCOMO INC.*

(Replaces S3-234130)

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

**S3-234120 Update the general procedure to address the redundant authorization issue**

*Type: other For: Agreement  
 33.122 v..  
 Source: Xiaomi Communications*

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

**S3-234126 Update to Clause 6.5 for clarification on claims**

*Type: draftCR For: Approval  
 33.122 v18.0.0  
 Source: Lenovo*

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

**S3-234051 Add a new annex on token for RNAA**

*Type: other For: Agreement  
 33.122 v..  
 Source: Samsung*

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

**S3-234118 Update token and token request for the RNAA scenarios**

*Type: other For: Agreement  
 33.122 v..  
 Source: Xiaomi Communications*

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

**S3-234122 API invoker onboarding mechainsm for RNAA scenarios**

*Type: other For: Agreement  
 33.122 v..  
 Source: Xiaomi Communications*

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

**S3-234124 Update onboarding and authorization mechanism selection procedure to support RNAA scenarios**

*Type: other For: Agreement  
 33.122 v..  
 Source: Xiaomi Communications*

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

**S3-233737 Revocation procedures invoked by API invoker**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

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

**S3-233789 pCR to DraftCR SNAAPPY Security requirements on CAPIF-8**

*Type: draftCR For: Approval  
 33.122 v18.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: we don’t agree, there are reference points that are outside oiur scope.

**Decision:** The document was **revised to S3-234299**.

**S3-234299 pCR to DraftCR SNAAPPY Security requirements on CAPIF-8**

*Type: draftCR For: Approval  
 33.122 v18.0.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233789)

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

**S3-233738 Revocation procedure invoked by resource owner client**

*Type: other For: Approval  
 Source: Huawei, HiSilicon*

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

**S3-234053 pCR to living document RNAA: revocation**

*Type: other For: Agreement  
 33.122 v..  
 Source: Samsung*

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

**S3-234119 API invoker authorization revocation for RNAA scenarios**

*Type: other For: Agreement  
 33.122 v..  
 Source: Xiaomi Communications*

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

**S3-234128 baseline SNAAPPY draft CR to 33.122**

*Type: draftCR For: (not specified)  
 33.122 v18.0.0  
 Source: NTT DOCOMO INC.*

**Abstract:**

This is the baseline CR.

**Decision:** The document was **revised to S3-234300**.

**S3-234300 baseline SNAAPPY draft CR to 33.122**

*Type: draftCR For: -  
 33.122 v18.0.0  
 Source: NTT DOCOMO INC.*

(Replaces S3-234128)

**Decision:** The document was **revised**.

**S3-234360 CR on security for resource owner aware northbound access to APIs**

*Type: CR For: -  
 33.122 v18.0.0 CR-0036 Cat: B (Rel-18)  
  
 Source: NTT DOCOMO INC.*

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

### 4.29 New WID for Security aspects on User Consent for 3GPP services Phase 2

**S3-233731 User consent parameters extension based on user cosent for roaming requirements**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1721 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-234294 User consent parameters extension based on user cosent for roaming requirements**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1721 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

### 4.30 New WID on security enhancements for MBS Phase 2

**S3-233717 Security protection for resource sharing across broadcast MBS Sessions during network sharing**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1719 Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-233874 Security handling in network sharing scenario**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1744 Cat: B (Rel-18)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-234295**.

**S3-234295 Security handling in network sharing scenario**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1744 rev 1 Cat: B (Rel-18)  
  
 Source: Qualcomm Incorporated*

(Replaces S3-233874)

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

**S3-234010 Security protection for resource sharing across broadcast MBS Sessions during network sharing**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1772 Cat: B (Rel-18)  
  
 Source: Samsung*

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

### 4.31 New WID for security of SEAL Data Delivery enabler

## 5 Rel-18 Studies

### 5.1 Study on 5G security enhancement against false base stations

### 5.2 Study on Security Impacts of Virtualisation

**S3-233564 pCR to TR33.848 - Editorial corrections**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-232872)

**Abstract:**

Editorial corrections to doc to make it ready to show for information

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

**S3-233565 pCR to TR33.848 - Addition of evaluation for Solution #1**

*Type: pCR For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-232875)

**Decision:** The document was **revised to S3-234177**.

**S3-234177 pCR to TR33.848 - Addition of evaluation for Solution #1**

*Type: pCR For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-233565)

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

**S3-233566 pCR to TR33.848 - Addition of evaluation for Solution #2**

*Type: pCR For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-232876)

**Decision:** The document was **revised to S3-234178**.

**S3-234178 pCR to TR33.848 - Addition of evaluation for Solution #2**

*Type: pCR For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-233566)

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

**S3-233567 pCR to TR33.848 - Addition of evaluation for Solution #3**

*Type: pCR For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-232877)

**Decision:** The document was **revised to S3-234179**.

**S3-234179 pCR to TR33.848 - Addition of evaluation for Solution #3**

*Type: pCR For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-233567)

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

**S3-233568 pCR to TR33.848 - Addition of evaluation for Solution #4**

*Type: pCR For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-232880)

**Decision:** The document was **revised to S3-234180**.

**S3-234180 pCR to TR33.848 - Addition of evaluation for Solution #4**

*Type: pCR For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-233568)

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

**S3-233569 pCR to TR33.848 - Addition of evaluation for Solution #5**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-232882)

**Decision:** The document was **revised to S3-234249**.

**S3-234249 pCR to TR33.848 - Addition of evaluation for Solution #5**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-233569)

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

**S3-233570 pCR to TR33.848 - Addition of evaluation for Solution #6**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-232884)

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

**S3-233571 pCR to TR33.848 - Addition of evaluation for Solution #7**

*Type: pCR For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-232912)

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

**S3-233572 pCR to TR33.848 - Addition of evaluation for Solution #8**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-232913)

**Decision:** The document was **revised to S3-234183**.

**S3-234183 pCR to TR33.848 - Addition of evaluation for Solution #8**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-233572)

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

**S3-233573 pCR to TR33.848 - Addition of Conclusions and Recommendations**

*Type: pCR For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-232915)

**Decision:** The document was **revised to S3-234184**.

**S3-234184 pCR to TR33.848 - Addition of Conclusions and Recommendations**

*Type: pCR For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-233573)

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

**S3-233574 pCR to TR33.848 - Addition of Appendix - Potential contents page for an Attestation TR**

*Type: pCR For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone GmbH*

(Replaces S3-232944)

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

**S3-233575 Cover Sheet for TR 33.848 - For Information and Approval**

*Type: TS or TR cover For: Agreement  
 33.848 v0.14.0  
 Source: Vodafone España SA*

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

**S3-233617 Addition of evaluation for Solution #4**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233618 Addition of evaluation for Solution #6**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234181**.

**S3-234181 Addition of evaluation for Solution #6**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233618)

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

**S3-233619 Conclusion for KI#6**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233620 Conclusion for KI#9**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233621 Conclusion for KI#13**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233739 Recommendations for SIV**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Huawei, HiSilicon*

**Discussion:**

MCC recommended to reword the second paragraph to state what was missing technically and what needed to be done in the future from the technical point of view.

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

**S3-234185 Recommendations for SIV**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Huawei, HiSilicon*

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

**S3-234071 Discussion on way forward for Virtualization Study**

*Type: discussion For: Agreement  
 Source: Vodafone España SA*

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

**S3-234072 pCR to TR33.848 - resolution of editors note in clause 6.2.2.4**

*Type: pCR For: Approval  
 33.848 v0.14.0  
 Source: Vodafone España SA*

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

**S3-234182 Draft TR 33.848**

*Type: draft TR For: Approval  
 33.848 v0.15.0  
 Source: Vodafone*

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

### 5.3 Study on Security Aspects of Proximity Based Services in 5GS Phase 2

### 5.4 Study on privacy of identifiers over radio access

Qualcomm: I object to the current tdoc order done by the Rapporteur, I will object to all documents if we start from key issue 1. We want to start with key issue 2 since we dedicated time already to key issue 1 in the last meeting.

Interdigital: tdoc order was available on the 9th of August. I received no comments. Interdigital added that no progress was done due to the length of the discussion on the tdoc order.

**S3-233939 KI #1 – Further Conclusions**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: Ericsson, Interdigital, Nokia, Nokia Shanghai Bell, Convida Wireless, Verizon Wireless, Johns Hopkins University APL, Philips, MITRE*

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

**S3-234069 Conclusion for Key Issue #1**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: THALES*

**Abstract:**

Conclusion for Key Issue #1

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

**S3-233895 Deletion of EN in KI#1 Conclusion**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: Qualcomm Incorporated*

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

**S3-233938 Concealing the length of SUPIs in SUCIs by padding the SUPIs (consolidated from Sol #2, 5, and 9)**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: Ericsson, Interdigital, Nokia, Nokia Shanghai Bell*

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

**S3-234040 Update to Solution #1 in ID Privacy**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: Lenovo*

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

**S3-233962 EN Removal for sol#4 33.870**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: China Mobile*

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

**S3-233963 Evaluation for sol#4 33.870**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: China Mobile*

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

**S3-233828 Supplement to Solution #7**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: China Telecommunications*

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

**S3-233886 Proposed conclusion to KI#2- Protecting the privacy of high priority users**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: Qualcomm Incorporated, Huawei, HiSilicon*

(Replaces S3-232585)

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

**S3-233804 Updates to Solution 11 in ID Privacy**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: Johns Hopkins University APL, Qualcomm Incorporated, InterDigital, Huawei, HiSilicon*

**Abstract:**

Updates to Solution #11

**Discussion:**

Ericsson: some feedback is needed from RAN2, we are not addressing the key issue here.

Huawei: we are not causing any impact on the RAN, this is only on the UE.

Ericsson: we need an LS depending on the conclusion for RAN2 and CT1.

**Decision:** The document was **revised to S3-234186**.

**S3-234186 Updates to Solution 11 in ID Privacy**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: Johns Hopkins University APL, Qualcomm Incorporated, InterDigital, Huawei, HiSilicon*

(Replaces S3-233804)

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

**S3-233935 Evaluation of Solution #11**

*Type: pCR For: (not specified)  
 33.870 v0.7.0  
 Source: Intel Corporation (UK) Ltd*

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

**S3-233973 LS on evaluation of solution#11 efficacy and accuracy to protect privacy of high priority users**

*Type: LS out For: (not specified)  
 to RAN2, cc RAN3  
 Source: Ericsson*

**Discussion:**

Peraton Labs: this impacts the MPS functionality.

**Decision:** The document was **revised to S3-234187**.

**S3-234187 LS on evaluation of solution#11 efficacy and accuracy to protect privacy of high priority users**

*Type: LS out For: -  
 to RAN2, cc RAN3  
 Source: Ericsson*

(Replaces S3-233973)

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

**S3-233885 Evaluation of Solution 11 - Protecting the privacy of high priority users**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: Qualcomm Incorporated, Huawei, HiSilicon*

(Replaces S3-232583)

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

**S3-233600 Evaluation of Solution #11 in ID Privacy**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: Peraton Labs*

**Decision:** The document was **revised to S3-234250**.

**S3-234250 Evaluation of Solution #11 in ID Privacy**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: Peraton Labs*

(Replaces S3-233600)

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

**S3-233729 On the claims against solution#11**

*Type: discussion For: Discussion  
 Source: Huawei, HiSilicon, Qualcomm Incorporated*

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

**S3-233933 Solution 12: Delete Privacy EN**

*Type: pCR For: (not specified)  
 33.870 v0.7.0  
 Source: Intel Corporation (UK) Ltd*

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

**S3-233803 Add Evaluation to Sol 12 in ID Privacy**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: Johns Hopkins University APL, InterDigital, Qualcomm IncorporatedAdd Evaluation to Solution #12*

**Abstract:**

Add Evaluation to Solution #12

**Decision:** The document was **revised to S3-234189**.

**S3-234189 Add Evaluation to Sol 12 in ID Privacy**

*Type: pCR For: Approval  
 33.870 v0.7.0  
 Source: Johns Hopkins University APL, InterDigital, Qualcomm IncorporatedAdd Evaluation to Solution #12*

(Replaces S3-233803)

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

**S3-233966 New Solution to KI #2**

*Type: pCR For: (not specified)  
 33.870 v0.7.0  
 Source: Ericsson*

**Discussion:**

Intel,Qualcomm: remove evaluation.

Qualcomm: inactive mode is an optional feature and may not be implemented.

**Decision:** The document was **revised to S3-234188**.

**S3-234188 New Solution to KI #2**

*Type: pCR For: -  
 33.870 v0.7.0  
 Source: Ericsson*

(Replaces S3-233966)

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

**S3-234190 Draft TR 33.870**

*Type: draft TR For: Approval  
 33.870 v0.8.0  
 Source: Interdigital*

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

### 5.5 Study on Standardising Automated Certificate Management in SBA

### 5.6 New SID on AKMA phase 2

### 5.7 Study of Security aspect of home network triggered primary authentication

### 5.8 Study on security aspects of enablers for Network Automation for 5G – phase 3

### 5.9 Study on Security Enhancement of support for Edge Computing — phase 2

**S3-233772 Resolving EN of Conclusion of KI#1.2**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Huawei, HiSilicon*

**Discussion:**

Nokia: convert the editor's note into a note.

**Decision:** The document was **revised to S3-234192**.

**S3-234192 Resolving EN of Conclusion of KI#1.2**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Huawei, HiSilicon*

(Replaces S3-233772)

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

**S3-233629 Adding conclusions for KI#2.6**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: InterDigital Belgium. LLC*

**Abstract:**

Adding conclusions for KI#2.6

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

**S3-233979 Update conclusion on authorization between EESes**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Ericsson*

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

**S3-233626 Adding evaluation for Sol#26**

*Type: pCR For: (not specified)  
 33.739 v0.8.0  
 Source: InterDigital Belgium. LLC*

**Abstract:**

Adding evaluation for Sol#26

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

**S3-233837 Resolving EN of Conclusion of KI#2.6**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234320**.

**S3-234320 Resolving EN of Conclusion of KI#2.6**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Huawei, HiSilicon*

(Replaces S3-233837)

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

**S3-233838 pCR on addressing Sol#27**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Huawei, HiSilicon*

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

**S3-233978 Resolving EN in solution #27**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Ericsson*

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

**S3-234194 Resolving EN in solution #27**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Ericsson*

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

**S3-233628 Adding conclusions for KI#2.7**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: InterDigital Belgium. LLC*

**Abstract:**

Adding conclusions for KI#2.7

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

**S3-233771 Coclusions for KI#2.7**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234321**.

**S3-234321 Coclusions for KI#2.7**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Huawei, HiSilicon*

(Replaces S3-233771)

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

**S3-233982 Conclusion for EEC provided IP address verification**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Ericsson*

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

**S3-233999 Conclusion for key issue#2.7**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Samsung*

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

**S3-234110 Add conclusion to KI#2.7 in TR 33.739**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Xiaomi Communications*

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

**S3-233627 Comparative evaluation of KI#2.7 solutions**

*Type: discussion For: Discussion  
 33.739 v..  
 Source: InterDigital Belgium. LLC*

**Abstract:**

Comparative evaluation of KI#2.7 solutions

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

**S3-233769 Addition of solution 30 evaluation**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Huawei, HiSilicon*

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

**S3-233770 Discussion on the solutions for KI#2.7**

*Type: discussion For: Approval  
 33.739 v..  
 Source: Huawei, HiSilicon*

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

**S3-233981 Resolving ENs in solution #28**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-234322**.

**S3-234322 Resolving ENs in solution #28**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Ericsson*

(Replaces S3-233981)

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

**S3-233990 Updates to evaluation of solution#28**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Samsung*

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

**S3-233991 Evaluation of solution#29**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Samsung*

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

**S3-233992 Evaluation of solution#30**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Samsung*

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

**S3-233993 Evaluation of solution#31**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Samsung*

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

**S3-233996 Evaluation of solution#33**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Samsung*

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

**S3-233997 Evaluation of solution#34**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Samsung*

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

**S3-234060 Evaluation of solution#32**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Samsung*

(Replaces S3-233994)

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

**S3-234111 Add evaluation to sol #32 in TR 33.739**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Xiaomi Communications*

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

**S3-233843 TR 33.739 EN Cleanup**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234323**.

**S3-234323 TR 33.739 EN Cleanup**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Huawei, HiSilicon*

(Replaces S3-233843)

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

**S3-233844 Cover sheet TR 33.739**

*Type: TS or TR cover For: Approval  
 33.739 v0.8.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234324**.

**S3-234324 Cover sheet TR 33.739**

*Type: TS or TR cover For: Approval  
 33.739 v0.8.0  
 Source: Huawei, HiSilicon*

(Replaces S3-233844)

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

**S3-233994 Evaluation of solution#32**

*Type: pCR For: Approval  
 33.739 v0.8.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-234060**.

**S3-234193 Draft TR 33.739**

*Type: draft TR For: Approval  
 33.739 v0.9.0  
 Source: Huawei*

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

### 5.10 Study on Personal IoT Networks Security Aspects

### 5.11 Study on SNAAPP security

### 5.12 Study on enhanced security for network slicing Phase 3

### 5.13 Study on Security aspects for 5WWC Phase 2

### 5.14 Study on the security aspects of Artificial Intelligence (AI)/Machine Learning (ML) for the NG-RAN

### 5.15 Study on security support for Next Generation Real Time Communication services

### 5.16 Study on security aspects of enhanced support of Non-Public Networks phase 2

### 5.17 Study on Security of Phase 2 for UAS, UAV and UAM

### 5.18 Study to enable URSP rules to securely identify Applications

**S3-234037 Conclusion for KI#1**

*Type: pCR For: Approval  
 33.892 v1.0.0  
 Source: Lenovo, AT&T, Broadcom, CableLabs, CATT, Charter, China Mobile, China Telecom, Deutsche Telekom, Intel, LG Electronics, Motorola Solutions MSI, NEC, Nokia, Nokia Shanghai Bell, Samsung, Verizon, Xiaomi*

**Decision:** The document was **revised to S3-234316**.

**S3-234316 Conclusion for KI#1**

*Type: pCR For: Approval  
 33.892 v1.0.0  
 Source: Lenovo, AT&T, Broadcom, CableLabs, CATT, Charter, China Mobile, China Telecom, Deutsche Telekom, Intel, LG Electronics, Motorola Solutions MSI, NEC, Nokia, Nokia Shanghai Bell, Samsung, Verizon, Xiaomi*

(Replaces S3-234037)

**Discussion:**

Apple: if there is no conclusion in the TR, why are we bringing a CR?

It was clarified that the CR was independent from the TR.

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

**S3-233890 pCR: Conclusion for TR 33.892**

*Type: pCR For: Approval  
 33.892 v1.1.0  
 Source: Qualcomm Incorporated*

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

**S3-233815 conclusions to KI#1**

*Type: pCR For: Approval  
 33.892 v1.0.0  
 Source: Huawei, HiSilicon*

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

**S3-233889 pCR: Evalution of Solution #1**

*Type: pCR For: Approval  
 33.892 v1.1.0  
 Source: Qualcomm Incorporated*

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

**S3-233814 Evaluatoin to Sol#1**

*Type: pCR For: Approval  
 33.892 v1.0.0  
 Source: Huawei, HiSilicon*

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

**S3-233813 Solution to KI#1**

*Type: pCR For: Approval  
 33.892 v1.0.0  
 Source: Huawei, HiSilicon*

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

**S3-234048 TR 33.892 cover**

*Type: TS or TR cover For: Approval  
 33.892 v1.0.0  
 Source: Lenovo*

**Abstract:**

Coversheet to send TR 33.892 for approval

**Decision:** The document was **revised to S3-234361**.

**S3-234361 TR 33.892 cover**

*Type: TS or TR cover For: Approval  
 33.892 v1.0.0  
 Source: Lenovo*

(Replaces S3-234048)

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

**S3-234317 Draft TR 33.892**

*Type: draft TR For: Agreement  
 33.892 v1.1.0  
 Source: Lenovo*

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

### 5.19 Study on Security Aspects of Ranging Based Services and Sidelink Positioning

### 5.20 Study on Security and Privacy of AI/ML-based Services and Applications in 5G

### 5.21 Study on applicability of the Zero Trust Security principles in mobile networks

**S3-234000 Data collection for Security Monitoring**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Lenovo, Charter Communications, US National Security Agency, Telefonica, Rakuten Mobile, Center for Internet Security, Cablelabs, Johns Hopkins University APL*

**Decision:** The document was **revised to S3-234200**.

**S3-234200 Data collection for Security Monitoring**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Lenovo, Charter Communications, US National Security Agency, Telefonica, Rakuten Mobile, Center for Internet Security, Cablelabs, Johns Hopkins University APL*

(Replaces S3-234000)

**Discussion:**

Nokia, Nokia Shanghai Bell is also a co-source of the contribution.

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

**S3-234002 Conclusion to KI#1**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Lenovo, US National Security Agency, Telefonica, Nokia, Nokia Shanghai Bell, Rakuten Mobile*

**Decision:** The document was **revised to S3-234201**.

**S3-234201 Conclusion to KI#1**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Lenovo, US National Security Agency, Telefonica, Nokia, Nokia Shanghai Bell, Rakuten Mobile*

(Replaces S3-234002)

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

**S3-233776 Addition of tenet 4 evaluation**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234202**.

**S3-234202 Addition of tenet 4 evaluation**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Huawei, HiSilicon*

(Replaces S3-233776)

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

**S3-233777 Completion of tenet 6 evaluation**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-234203**.

**S3-234203 Completion of tenet 6 evaluation**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Huawei, HiSilicon*

(Replaces S3-233777)

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

**S3-234007 Update to Tenet #7**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Lenovo, US National Security Agency, Telefonica*

**Decision:** The document was **revised to S3-234204**.

**S3-234204 Update to Tenet #7**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Lenovo, US National Security Agency, Telefonica*

(Replaces S3-234007)

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

**S3-233778 Completion of tenet 7 evaluation**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Huawei, HiSilicon*

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

**S3-233783 Add Tenets to Tenet Evaluation Summary**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Johns Hopkins University APL, Lenovo*

**Abstract:**

Add Tenets to Tenet Evaluation Summary

**Decision:** The document was **revised to S3-234224**.

**S3-234224 Add Tenets to Tenet Evaluation Summary**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Johns Hopkins University APL, Lenovo*

(Replaces S3-233783)

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

**S3-234015 Add dynamic access control to 6.X**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: China Moble*

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

**S3-233673 SBA Zero Trust Access Control via NRF and SCP/NF**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: MITRE Corporation, Lenovo*

**Abstract:**

This zero trust access control approach complements the evaluation of the ZTS tenet #6 in clause 5.1.5; Specifically, it addresses how the data from security monitoring can be considered in access decisions.

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

**S3-234005 TR 33.894 Cleanup**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Lenovo*

**Abstract:**

Editorial Clean-up

**Decision:** The document was **revised to S3-234205**.

**S3-234205 TR 33.894 Cleanup**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: Lenovo*

(Replaces S3-234005)

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

**S3-234009 Presentation of Specification/Report to TSG: TR 33.894**

*Type: TS or TR cover For: Approval  
 33.894 v..  
 Source: Lenovo*

**Decision:** The document was **revised to S3-234348**.

**S3-234348 Presentation of Specification/Report to TSG: TR 33.894**

*Type: TS or TR cover For: Approval  
 33.894 v..  
 Source: Lenovo*

(Replaces S3-234009)

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

**S3-233633 Add key issue for dynamic access control**

*Type: pCR For: Approval  
 33.894 v0.7.0  
 Source: CMDI*

**Abstract:**

This contribution proposes to key issue for dynamic access control, which is an important topic for zero trust principle and will be beneficial for 5GC security. Facing the complex network structure and varied attack methods, dynamic access control adjust

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

**S3-234318 Draft TR 33.894**

*Type: draft TR For: Approval  
 33.894 v0.8.0  
 Source: Lenovo*

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

### 5.22 Study of Security aspects on User Consent for 3GPP Services Phase 2

### 5.23 Study on security enhancements for 5G multicast-broadcast services Phase 2

### 5.24 Study on enhanced Security Aspects of the 5G Service Based Architecture

### 5.25 Study on Security Aspects of Satellite Access

### 5.26 All TR Clean up, Coorections etc

**S3-233825 CR for TR33809 clean up**

*Type: CR For: Approval  
 33.809 v18.0.1 CR-0001 Cat: F (Rel-18)  
  
 Source: Apple*

**Decision:** The document was **revised to S3-234152**.

**S3-233917 Addressing comments from EditHelp**

*Type: CR For: Agreement  
 33.858 v18.0.1 CR-0001 Cat: F (Rel-18)  
  
 Source: Ericsson*

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

**S3-233797 Editorial cleanups**

*Type: CR For: Agreement  
 33.875 v18.0.0 CR-0001 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234304**.

**S3-234304 Editorial cleanups**

*Type: CR For: Agreement  
 33.875 v18.0.0 CR-0001 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233797)

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

**S3-233798 Scope alignment with key issues addressed**

*Type: CR For: Agreement  
 33.875 v18.0.0 CR-0002 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233799 Clarifications on deployment options**

*Type: CR For: Agreement  
 33.875 v18.0.0 CR-0003 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233800 Key issue 11 editorial updates**

*Type: CR For: Agreement  
 33.875 v18.0.0 CR-0004 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233801 Alignment of key issue 12 with GSMA input**

*Type: CR For: Agreement  
 33.875 v18.0.0 CR-0005 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233802 Evaluation clarification to solution for access tokens for NFc Sets**

*Type: CR For: Agreement  
 33.875 v18.0.0 CR-0006 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233805 TR33.886 clean-up**

*Type: CR For: Agreement  
 33.886 v18.0.1 CR-0001 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-233944 Clean up for 33.738**

*Type: CR For: Approval  
 33.738 v18.0.1 CR-0001 Cat: F (Rel-18)  
  
 Source: China Mobile*

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

**S3-233954 Cleanup of 33737**

*Type: CR For: Approval  
 33.737 v18.0.1 CR-0001 Cat: F (Rel-18)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S3-234301**.

**S3-234301 Cleanup of 33737**

*Type: CR For: Approval  
 33.737 v18.0.1 CR-0001 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile*

(Replaces S3-233954)

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

**S3-233968 Clean up of TR 33.738**

*Type: CR For: Approval  
 33.738 v18.0.1 CR-0002 Cat: F (Rel-18)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S3-234302**.

**S3-234302 Clean up of TR 33.738**

*Type: CR For: Approval  
 33.738 v18.0.1 CR-0002 rev 1 Cat: F (Rel-18)  
  
 Source: China Mobile*

(Replaces S3-233968)

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

**S3-234047 Clean Up for TR 33.740**

*Type: other For: Approval  
 33.740 v..  
 Source: CATT*

**Discussion:**

MCC: this should be a CR.

**Decision:** The document was **revised**.

**S3-234303 Clean Up for TR 33.740**

*Type: CR For: Agreement  
 33.740 v18.0.1 CR-0001 Cat: F (Rel-18)  
  
 Source: CATT*

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

## 6 New Study/Work item proposals

SID and/or WID for 256-bit algorithms?

Implications of having to mandate them in Rel-19 if we go through with a SID. WE would need to add new requirements.

KPN, Motorola Solutions support having a SID.

Vodafone: we don’t need to add requirements to TS 33.501.

KPN: impact on having multiple algorithms and protocols (128-bit and 256-bit coexisting).

The Chair reminded of the complexity of having work done in studies during Release 18.

Nokia: the WID introduces the 256-bit algorithm in a private network where the parties support the algorithm; the SID aspect covers aspects that we already studied in Release 16.

Apple: the SID means that we start to look at these questions and make evaluations, it is not an implementation commitment. The WID just converst the SAGE content into a 3GPP specification. The MILENAGE 256 is not covered in any of these WIDs so it would have to be added.

Philips: we need a couple of meetings to define the right objectives in the SID.

Huawei: the study will decide when to support these algorithms, whether it is Rel-19 or later.

Vodafone: there is a big delay period to have these algorithms approved by the French autorities, so we cannot expect to have results before Rel-20.

Nokia: SID objectives need to be improved.

Ericsson didn’t agree with the objectives of the WID.

NIST: add MILENAGE to the WID.

Qualcomm: there is a lot of support for a WID that creates specifications for the algorithms that SAGE has defined, so we can start with that.

The Chair asked: can we do that without toucinhTS 33.501? Qualcomm replied that it wasn't possible.

Ericsson: we create new specifications for the algorithms, but we don’t think we need to update TS 33.501 now. We can update TS 33.501 later when we decide how to use them. Vodafone agreed that these changes could be done in Rel-20.

GSMA: work on this now, it will take long time to publish them due to regulation by French authorities.

**S3-233537 Study of ACME for Automated Certificate Management in SBA**

*Type: SID new For: Approval  
 Source: Cisco Systems, Google, Mavenir, CableLabs, Charter Communications, AT&T, Microsoft, TELUS, DISH Network, Deutsche Telekom*

**Abstract:**

Release 18 work in SA3 defines the use of CMPv2 for automated certificate management for SBA. ACME may be a good alternative, especially when considering infrastructure deployment specifics such as NFs deployed on cloud native platforms (e.g., Kubernetes)

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

**S3-233547 Discussion on SCAS for UDR**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233548 New WID on 5G Security Assurance Specification (SCAS) for the Unified Data Repository (UDR)**

*Type: WID new For: Approval  
 Source: BSI (DE)*

(Replaces S3-232413)

**Abstract:**

Security Assurance Specification (SCAS) for the Unified Data Repository (UDR)

**Discussion:**

GSMA: UDR came out in ENISA's as one of the key network functons. Alex added that we should focus on covering the logical function, dangeorus to stay on the standalone verrsion only.

It was pointed out that the dates were too short.

MCC commented that an SA2 spec was listed as impacted specification, which is wrong.

**Decision:** The document was **revised to S3-234332**.

**S3-234332 New WID on 5G Security Assurance Specification (SCAS) for the Unified Data Repository (UDR)**

*Type: WID new For: Approval  
 Source: BSI (DE)*

(Replaces S3-233548)

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

**S3-233551 Discussion on Security for NTN Store and Forward**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233552 New SID on Security for NTN Store and Forward**

*Type: SID new For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233595 New WID on mission critical security enhancements for release 19**

*Type: WID new For: Agreement  
 Source: Motorola Solutions Danmark A/S*

**Abstract:**

New WID on mission critical security enhancements for release 19

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

**S3-233602 New SID on study on enabling a cryptographic algorithm transition to 256 bits**

*Type: SID new For: Approval  
 Source: KDDI Corporation*

**Decision:** The document was **revised to S3-233672**.

**S3-233608 New SID on Privacy aspects of management data collection and sharing**

*Type: SID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233612 Study on security enhancement for mobility over non-3GPP access**

*Type: SID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell, CableLabs, Charter Communications, Broadcom, Lenovo, Xiaomi, ChinaMobile, Google, ZTE, Apple Keysight Technologies, LGE, Rogers Communications, Philips International B.V.*

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

**S3-233631 Discussion on Rel-19**

*Type: discussion For: Discussion  
 Source: WG Chair*

**Discussion:**

Vodafone: are we limited to the SA2 topics? The Chair commented that other groups like SA6 would dump topics on SA3 as well. These topics would be decided in Plenary in December.

Vodafone: we can say that a number of slots are already taken and define how many we have left.

The Chair commented that it would be needed to define how much time SA3 would dedicate to other topics and how much SA3 would need for security topics from other groups, otherwise it would get out of control like with the Prose authentication work.

Huawei: hard to know how long time we dedicate to a study. We can propose a time budget and if this is reached, a re-evaluation would be needed.

Ericsson: the company that provides the rapporteur needs to make sure that they are prepared for the job.

Huawei: it is not expected that 3GPP will train the new rapporteur.Enforce the timelines that appear in the WID template.

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

**S3-233632 Discussion paper on Security and Privacy Aspects of Subscription Permanent Identifier (SUPI)**

*Type: discussion For: Endorsement  
 Source: IIT Delhi*

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

**S3-233668 Study on Security aspects of Dual NR Registration**

*Type: SID new For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233672 New SID on study on enabling a cryptographic algorithm transition to 256 bits**

*Type: SID new For: Approval  
 Source: KDDI Corporation*

(Replaces S3-233602)

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

**S3-233708 Discussion on new SID on dual 3GPP access security**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

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

**S3-233709 New SID on dual 3GPP access security**

*Type: SID new For: Agreement  
 Source: ZTE Corporation*

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

**S3-233710 Discussion paper on application login via IMS**

*Type: discussion For: (not specified)  
 Source: China Telecom Corporation Ltd.*

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

**S3-233711 New SID on application login via IMS**

*Type: SID new For: Approval  
 Source: China Telecom Corporation Ltd.*

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

**S3-233712 New WID on Addition of 256-bit security Algorithms**

*Type: WID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-234334**.

**S3-234334 New WID on Addition of 256-bit security Algorithms**

*Type: WID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-233712)

**Discussion:**

Vodafone clarified that only redacted versions could be made public whereas the unredacted versions would be sent to ETSI for registration with French authorities.

Ericsson: having identifiers in TS 33.501 may confuse the implementers.

Huawei: say which clauses will be impacted in TS 33.501.Apple preferred not to have any impact on TS 33.501.

Huawei: AID mode is not here, not addressed by SAGE. Qualcomm: that's not for now, we just want the simple specs, very clean and clear.

SA3 Chair: AID mode can be part of the SID.

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

**S3-233714 Discussion on Security Enhancement for Ambient IOT Service**

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

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

**S3-233715 New SID on Security Enhancement for Ambient IOT Service**

*Type: SID new For: Discussion  
 Source: Huawei, HiSilicon*

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

**S3-233716 Discussion on Security Enhancement for NEF service**

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

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

**S3-233740 Discussion on mitigations against unsecure UE selection between different generation networks**

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

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

**S3-233741 Discussion about Security study for Integrated Sensing and Communication**

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

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

**S3-233742 New Study on Security Aspects of Integrated Sensing and Communication**

*Type: SID new For: Discussion  
 Source: Huawei, HiSilicon*

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

**S3-233745 New WID on security aspects of Selective SCG Activation**

*Type: WID new For: Agreement  
 Source: Huawei, HiSilicon*

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

**S3-233751 New WID on SCAS for Rel-18 features**

*Type: WID new For: Agreement  
 Source: Huawei, HiSilicon*

**Discussion:**

Ericsson asked if this could be part of Rel-18 since it was testing Rel-18. The Chair commented that he discussed in Plenary whether this kind of WID could continue after Rel-18 was frozen.

Ericsson: do this during stage 3 timeline and we stick to the same release.

The Chair commented that this would make a very strict timeline.Huawei agreed that it would put SA3 under a lot of pressure to finish before the Release is frozen. Maybe make it cover Rel-19 features that are completed early as well, so we would cover as much as possible.

GSMA commented that certification would he harder. AMFs are messed about during several releases, so it would be very difficult which SCAS goes to which specification to which release. A product would be tested under the wrong SCAS. There is a need to have a conversation in plenary to have SCAS treated as test specifications. SCAS don’t have to be time bound to the release deadlines so we have time to do the work properly. The Chair agreed and encouraged to work on some input to present in Plenary.He mentioned that LI had already some similar agreement with Plenary.

Huawei commented that it would be challenging to justify Rel-18 as a target release. There is a risk that deadlines are not met and it might be required that a revised WID changes the target Release.

Vodafone: test specs need stable specs, it makes sense that they are one release behind. There shouldn't be a problem.

**Decision:** The document was **revised to S3-234349**.

**S3-234349 New WID on SCAS for Rel-18 features**

*Type: WID new For: Agreement  
 Source: Huawei, HiSilicon*

(Replaces S3-233751)

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

**S3-233765 Discussion on a key misalignment issue**

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

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

**S3-233779 On the TU allocation for security studies**

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

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

**S3-233806 Home control for Network Slice Admission Control (NSAC) procedures**

*Type: CR For: Agreement  
 33.501 v18.2.0 CR-1734 Cat: B (Rel-18)  
  
 Source: Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, LGE, Xiaomi, ZTE*

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

**S3-233807 Dummy WID for eNS3 security**

*Type: WID new For: Approval  
 Source: Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, LGE, Xiaomi, ZTE*

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

**S3-233811 R19 SID discussions for security enhancement of network slicng**

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

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

**S3-233812 R19 SID on security enhancement of network slicng**

*Type: SID new For: Discussion  
 Source: Huawei, HiSilicon*

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

**S3-233817 Discussions for security enhancement of UAS**

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

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

**S3-233827 New WID on 5G Security Assurance Specification (SCAS) for the Short Message Service Function (SMSF)**

*Type: WID new For: Approval  
 Source: IIT Bombay*

**Discussion:**

Ericsson supported this SCAS work.They asked if there were plans to have SMS specific test cases that don’t exist in TS 33.117?

Nokia: they will be network function specific test cases.

Ericsson was wondering if there were tests referring to new fucntionality instead of just referring to TS 33.117.

Nokia commented that there would be test cases for new interfaces.

Huawei wasn’t sure of what wasn't covered in TS 33.117.

Qualcomm: just one Rapporteur, not two.

The Chair reminded the necessity of companies providing Rapporteurs who were familiar with 3GPP drafting rules and procedures. Ericsson added that new Rapporteurs could use the help of supporting companies who knew the rules.

**Decision:** The document was **revised to S3-234333**.

**S3-234333 New WID on 5G Security Assurance Specification (SCAS) for the Short Message Service Function (SMSF)**

*Type: WID new For: Approval  
 Source: IIT Bombay*

(Replaces S3-233827)

**Discussion:**

It was queried whether the Rapporteur could be present to defend this WID. Nokia commented that they couldn’t get the visa this time. The Chair commented that SA plenary could decide the Rapporteur as SA2 is doing now.

Orange pointed out that there were companies supporting the WID who were not present in the room and didn’t like that.Any changes made in the current meeting could not be agreed because they were not in the room. MCC and the Chair commented that there was no obligation for the companies supporting the WID to attend the meeting and agree with the changes. The Plenary would be a chance to object to the changes.

The Chair suggested to take this issue to plenary (presence of supporting companies in WID) since this was no technical issue. ORANGE had a sustained objection.

Nokia proposed to remove the controversial companies and add them in a revised WID during plenary.

MCC reminded that WID supporting companies were expected to come contribute in the work, regardless of whether they had participated in SA3 before or not.

It was agreed to remove some companiy names.

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

**S3-233829 New SID on Security Aspects of Network Sharing Enhancements**

*Type: SID new For: Approval  
 Source: China Unicom*

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

**S3-233888 TNAP Mobility within a TNAN**

*Type: WID new For: Agreement  
 Source: Qualcomm Incorporated*

**Discussion:**

Associated with the CR in 887.

Cable Labs: better to do this in Rel-19.

Nokia: this is one of multiple solutions in the TR, so it is not fair to go for this solution only with a CR.

Lenovo: it can be treated in Rel-19. There was no conclusion for this key issue.

Qualcomm: we don’t want to study this again in Rel-19.

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

**S3-233898 Study on resource isolation enforcement for application in 5G network**

*Type: SID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell, U.S. National Security Agency, NIST, CableLabs, China Telecommunications*

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

**S3-233899 Discussion on security for PLMN hosting a NPN**

*Type: discussion For: Discussion  
 Source: China Telecommunications*

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

**S3-233900 discussion on resource isolation enforcement for application in 5G network**

*Type: discussion For: Discussion  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-233901 New SID on security for PLMN hosting a NPN**

*Type: SID new For: Agreement  
 Source: China Telecommunications*

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

**S3-233936 New WID on 3GPP profiles for cryptographic algorithms and security protocols**

*Type: WID new For: Agreement  
 Source: Ericsson, Interdigital, CableLabs*

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

**S3-233949 Discussion paper for Study on security aspects of AIMLenhancements**

*Type: discussion For: Discussion  
 Source: China Mobile*

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

**S3-233957 Proposal about considerations to security management**

*Type: discussion For: Discussion  
 Source: China Mobile*

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

**S3-233961 Discussion on security for XR**

*Type: other For: Discussion  
 Source: China Mobile*

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

**S3-233964 New SID on security for XR services**

*Type: SID new For: Approval  
 Source: China Mobile*

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

**S3-233965 WID on security enhancements for 5GC Location Services Phase 3**

*Type: WID new For: Agreement  
 Source: Ericsson*

**Abstract:**

The support of a new user plane-based architecture for positioning and interaction with legacy LCS systems requires security work.

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

**S3-233971 New SID on 5GS enhancements for Energy Saving**

*Type: SID new For: Information  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-234011 Discussion Paper on Rel.19 Study on enablers for Zero Trust Security**

*Type: discussion For: Discussion  
 Source: Lenovo*

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

**S3-234012 Study on Security Aspect of Ambient IoT Services in 5G**

*Type: SID new For: Approval  
 Source: OPPO, Cable Labs, Apple, ZTE, Xiaomi, Verizon, Intel, T-Mobile USA, Philips International B.V., China Telecom, Lenovo*

**Decision:** The document was **revised to S3-234137**.

**S3-234013 Study on enablers for Zero Trust Security**

*Type: SID new For: Approval  
 Source: Lenovo, Motorola Mobility, MITRE, Interdigital, Motorola Solutions, Charter Communications, Johns Hopkins University APL, Intel, US National Security Agency, Telefonica, NCSC, OTD\_US, Deutsche Telekom, Keysight Technologies, Center for Internet Security,*

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

**S3-234176 Study on enablers for Zero Trust Security**

*Type: SID new For: Approval  
 Source: Lenovo, Motorola Mobility, MITRE, Interdigital, Motorola Solutions, Charter Communications, Johns Hopkins University APL, Intel, US National Security Agency, Telefonica, NCSC, OTD\_US, Deutsche Telekom, Keysight Technologies, Center for Internet Security,*

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

**S3-234017 New WID on Applicability of Zero Trust Security Principles in mobile networks**

*Type: WID new For: Approval  
 Source: Lenovo, Motorola Mobility, Center for Internet Security, Cablelabs, US National Security Agency, Johns Hopkins University APL, Charter Communications, Telefonica, Rakuten Mobile Inc*

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

**S3-234020 Discussion on study for security aspects of 5G mobile metaverse**

*Type: discussion For: Discussion  
 Source: Samsung*

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

**S3-234022 New SID on security aspects of 5G mobile metaverse services**

*Type: SID new For: Approval  
 Source: Samsung, Nokia, Nokia Shanghai Bell*

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

**S3-234045 New WID to enable URSP rules to securely identify Applications (USIA)**

*Type: WID new For: Approval  
 Source: Lenovo, AT&T, Broadcom, CableLabs, CATT, Charter, China Mobile, China Telecom, Deutsche Telekom, Intel, LG Electronics, Motorola Solutions MSI, NEC, Nokia, Nokia Shanghai Bell, Samsung, Verizon, Xiaomi*

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

**S3-234050 New SID on QUIC optimization for access traffic steering, switching and splitting support in the 5G system architecture; Phase 3**

*Type: SID new For: (not specified)  
 Source: Lenovo, BROADCOM CORPORATION, CableLabs, CATT, Charter Communications, Inc, China Mobile, CISCO, Deutsche Telekom, InterDigital, Inc., LG Electronics, Nokia, Tencent, vivo Mobile Communication Co.,, Xiaomi, ZTE Corporation*

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

**S3-234052 New SID on Security Enhancements for URSP in Roaming Scenarios**

*Type: SID new For: Approval  
 Source: Lenovo, Nokia, Nokia Shanghai Bell, Philips*

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

**S3-234067 New SID on Study on Security Aspects of Enhancement for Proximity Based Services in 5GS Phase 3**

*Type: SID new For: Approval  
 Source: CATT*

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

**S3-234068 New SID on Study on Security Aspects of 5G Satellite Access Phase 3**

*Type: SID new For: Approval  
 Source: CATT*

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

**S3-234089 New SID on security aspects of Satellite Access Phase 3**

*Type: SID new For: Agreement  
 Source: Xiaomi Technology*

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

**S3-234090 New SID on security aspects of Integrated Sensing and Communication**

*Type: SID new For: Agreement  
 Source: Xiaomi, OPPO, China Telecom, Apple, ZTE, Lenovo*

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

**S3-234091 Discussion on Security Study for ISAC**

*Type: discussion For: Endorsement  
 Source: Xiaomi Technology*

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

**S3-234137 Study on Security Aspect of Ambient IoT Services in 5G**

*Type: SID new For: Approval  
 Source: OPPO*

(Replaces S3-234012)

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

**S3-234139 Study on Security Aspect of Ambient IoT Services in 5G**

*Type: SID new For: Approval  
 Source: OPPO*

(Replaces S3-234137)

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

## 7 CVD and research

**S3-233549 Discussion Document on Mitigating downgrade attacks**

*Type: discussion For: Agreement  
 Source: Vodafone España SA*

**Discussion:**

Huawei: we approve solving this issue. We propise to have a SID or WID to go through this.

Cable Labs: no changes in SA3? Huawei replied that this was a secuirty issue so in SA3's scope.

Qualcomm: a WID would drag out the issue.

Huawei: a WID is better to traceability. Otherwise, which time frame? What release? This is basically a new feature.

Nokia: we support Vodafone and sending the LS. Apple supported this as well. A WID or SID would be useful.

DT: send the LS since RAN2 is meeting next week.

Ericson: send the LS and a study for the long term.

Vodafone: operators are removing 2G and 3G. Once we don’t have these networks maybe we won't pick up all these things.

Huawei: fine with sending the LS.

The Chair commented that there was no room for a large study.

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

**S3-233550 Draft LS out to CT and RAN on Mitigating Downgrade Attacks**

*Type: LS out For: Approval  
 to CT1, RAN2  
 Source: Vodafone España SA*

**Decision:** The document was **revised to S3-234173**.

**S3-234173 LS out to CT and RAN on Mitigating Downgrade Attacks**

*Type: LS out For: Approval  
 to CT1, RAN2  
 Source: Vodafone España SA*

(Replaces S3-233550)

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

**S3-234133 Invalid Curve Attack on the 5G SUCI Privacy**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: GSMA*

**Discussion:**

Huawei asked for one meeting cycle to evaluate this.

Nokia: is the test device compliant with TS 33.501?

Alex (GSMA): most of the companies speaking up here are represented in the GSMA CVD pannel already. Tale a cycle but SA3 should do something as a sign that we listen to the research community.

BSI test cases would be discussed in the SCAS session.

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

**S3-234135 CVD-2023-0069 – 5G Core Network Attacks**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: GSMA*

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

## 8 Any Other Business

Rel-19 workshop last week of September.

January meeting was left TBD.

**S3-233504 SA3 meeting calendar**

*Type: other For: (not specified)  
 Source: SA WG3 Chair*

**Discussion:**

Qualcomm: remove January meeting and let's meet in March. Orange proposed the same thing.

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

## 9 Closing of the meeting

The Chair thanked the attendees and MCC for the hard work during the week.

Mirko Cano Soveri (ETSI) was congratulated for having promoted as Director of Network, Services and Security in ETSI, although he would keep being technical officer for SA3.

This was the last meeting of Tim Evans (Vodafone). He was congratulated for the hard work during all these years, and his great contribution to the editorial work as well.

After this the meeting was closed.

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S3-233500 | Agenda | SA WG3 Chair | approved |  |  |
| S3-233501 | Report from SA3#111 | MCC | approved |  |  |
| S3-233502 | Process for SA3#112 | SA WG3 Chair | noted |  |  |
| S3-233503 | Detail agenda planning for SA3#112 | SA WG3 Chair | revised |  | S3-234138 |
| S3-233504 | SA3 meeting calendar | SA WG3 Chair | noted |  |  |
| S3-233505 | Report to SA3 from SA | SA WG3 Chair | noted |  |  |
| S3-233506 | LS on Handling of SOR counter and the UE parameter update counter if stored in NVM | C1-232696 | postponed |  |  |
| S3-233507 | LS on Retrieving keys for decryption of protected IEs for U2N relay | C1-234362 | postponed |  |  |
| S3-233508 | Handling of access tokens provided by ECS to the EEC for accessing EES(s) | C1-234363 | replied to |  |  |
| S3-233509 | LS on AKMA service restrictions in Rel-17 | C3-232563 | postponed |  |  |
| S3-233510 | Reply LS on CAPIF extensibility | C3-232686 | replied to |  |  |
| S3-233511 | LS on Authentication Result Removal | C4-224418 | postponed |  |  |
| S3-233512 | LS on Removal of the uavAuthenticated IE from Create SM Context Request | C4-230790 | postponed |  |  |
| S3-233513 | LS on Security Context Transfer between MBSF and MBSTF | C4-232462 | replied to |  |  |
| S3-233514 | LS on Reporting of Relay UE C-RNTI and NCGI | R2-2306693 | postponed |  |  |
| S3-233515 | LS to SA2 on sidelink positioning agreements | R2-2306842 | noted |  |  |
| S3-233516 | LS response on Non-Support of Ciphering Algorithm GEA2 | R5-233361 | noted |  |  |
| S3-233517 | Reply LS on 3GPP work on Energy Efficiency | S1-231805 | noted |  |  |
| S3-233518 | DNS over TLS (DoT) and DNS over HTTPS (DoH) | S2-2306210 | postponed |  |  |
| S3-233519 | Reply LS on ProSe Secondary Authentication | S2-2307743 | postponed |  |  |
| S3-233520 | Reply LS on enforcement of AF specific identifier | S2-2307787 | noted |  |  |
| S3-233521 | LS on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs | S2-2307983 | noted |  |  |
| S3-233522 | LS on 3GPP work on Energy Efficiency | S4-231111 | noted |  |  |
| S3-233523 | LS on LS Reply on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541 | S5-234824 | noted |  |  |
| S3-233524 | Security for AI ML management capabilities | S5-234776 | postponed |  |  |
| S3-233525 | LS on user consent for UE location sharing | S6-230351 | replied to |  |  |
| S3-233526 | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network | S6-231061 | replied to |  |  |
| S3-233527 | LS on resolving the target KMS URI for a migrated MC service user | S6-231552 | replied to |  |  |
| S3-233528 | Reply LS on Alignment of SA3 security aspects for Personal IoT Networks | S6-232076 | replied to |  |  |
| S3-233529 | LS on REl-18 work on architecture for enabling Edge Applications | S6-232197 | noted |  |  |
| S3-233530 | Reply LS on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs | SP-230763 | noted |  |  |
| S3-233531 | LS to 3GPP on GSMA requirements for intermediaries in the roaming ecosystem | GSMA | noted |  |  |
| S3-233532 | LS to 3GPP on the introduction of the domain “ipxnetwork.org” in addition to “3gppnetwork.org” | GSMA | replied to |  |  |
| S3-233533 | LSout\_to\_3GPP\_SA3\_regarding\_TS33\_117\_SCAS\_Vulnerability | ETSI ISG NFV | replied to |  |  |
| S3-233534 | Non-Support of Ciphering Algorithm GEA2 | GCF | postponed |  |  |
| S3-233535 | Non-Support of Ciphering Algorithm GEA2 mandated in Certification | GCF | noted |  |  |
| S3-233536 | LS on LI for AKMA in roaming | s3i230421 | postponed |  |  |
| S3-233537 | Study of ACME for Automated Certificate Management in SBA | Cisco Systems, Google, Mavenir, CableLabs, Charter Communications, AT&T, Microsoft, TELUS, DISH Network, Deutsche Telekom | noted |  |  |
| S3-233538 | Interface Robustness | Nokia, Nokia Shanghai Bell | agreed |  | - |
| S3-233539 | Security Event Logging | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S3-233540 | Privileged Users | Nokia, Nokia Shanghai Bell | agreed |  | - |
| S3-233541 | AMF redirection to EPS remove CIoT precondition | Keysight Technologies | revised |  | S3-234326 |
| S3-233542 | NAS based redirection from 5GS to EPS | Keysight Technologies | not pursued |  |  |
| S3-233543 | AMF Test - NAS Integrity failure | Keysight Technologies | agreed |  |  |
| S3-233544 | Reply LS on object acquisition | S4aI230134 | noted |  |  |
| S3-233545 | Update on the token verification | Deutsche Telekom AG | merged |  | S3-234206 |
| S3-233546 | Packet Filtering support Testing | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233547 | Discussion on SCAS for UDR | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233548 | New WID on 5G Security Assurance Specification (SCAS) for the Unified Data Repository (UDR) | BSI (DE) | revised | S3-232413 | S3-234332 |
| S3-233549 | Discussion Document on Mitigating downgrade attacks | Vodafone España SA | noted |  |  |
| S3-233550 | Draft LS out to CT and RAN on Mitigating Downgrade Attacks | Vodafone España SA | revised |  | S3-234173 |
| S3-233551 | Discussion on Security for NTN Store and Forward | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233552 | New SID on Security for NTN Store and Forward | Nokia, Nokia Shanghai Bell | not treated |  |  |
| S3-233553 | Discussion document on the implementation of Roaming Hubs for 5G SA roaming | Vodafone España SA | noted |  |  |
| S3-233554 | Modification of PRINS to enable Roaming Hubs | Vodafone, TIM, DoCoMo | revised |  | S3-234319 |
| S3-233555 | Modification of PRINS to enable Roaming Hubs | Vodafone, TIM, DoCoMo | not pursued |  |  |
| S3-233556 | Modification of PRINS to enable Roaming Hubs | Vodafone, TIM, DoCoMo | not pursued |  |  |
| S3-233557 | CR to 33.501 R16 to implement error message reporting | Vodafone España SA | merged |  | S3-234319 |
| S3-233558 | CR to 33.501 R17 to implement error message reporting (mirror) | Vodafone España SA | not pursued |  |  |
| S3-233559 | Enable Roaming Hub Error message origination | Vodafone, TIM, DoCoMo | not pursued |  |  |
| S3-233560 | Correction of and addition of missing roaming definitions | Vodafone, TIM, DoCoMo | merged |  | S3-234319 |
| S3-233561 | Correction of and addition of missing roaming definitions | Vodafone, TIM, DoCoMo | not pursued |  |  |
| S3-233562 | Correction of and addition of missing roaming definitions | Vodafone, TIM, DoCoMo | not pursued |  |  |
| S3-233563 | LS out on the implementation of roaming hubs | Vodafone España SA | withdrawn |  |  |
| S3-233564 | pCR to TR33.848 - Editorial corrections | Vodafone GmbH | approved | S3-232872 |  |
| S3-233565 | pCR to TR33.848 - Addition of evaluation for Solution #1 | Vodafone GmbH | revised | S3-232875 | S3-234177 |
| S3-233566 | pCR to TR33.848 - Addition of evaluation for Solution #2 | Vodafone GmbH | revised | S3-232876 | S3-234178 |
| S3-233567 | pCR to TR33.848 - Addition of evaluation for Solution #3 | Vodafone GmbH | revised | S3-232877 | S3-234179 |
| S3-233568 | pCR to TR33.848 - Addition of evaluation for Solution #4 | Vodafone GmbH | revised | S3-232880 | S3-234180 |
| S3-233569 | pCR to TR33.848 - Addition of evaluation for Solution #5 | Vodafone GmbH | revised | S3-232882 | S3-234249 |
| S3-233570 | pCR to TR33.848 - Addition of evaluation for Solution #6 | Vodafone GmbH | noted | S3-232884 |  |
| S3-233571 | pCR to TR33.848 - Addition of evaluation for Solution #7 | Vodafone GmbH | noted | S3-232912 |  |
| S3-233572 | pCR to TR33.848 - Addition of evaluation for Solution #8 | Vodafone GmbH | revised | S3-232913 | S3-234183 |
| S3-233573 | pCR to TR33.848 - Addition of Conclusions and Recommendations | Vodafone GmbH | revised | S3-232915 | S3-234184 |
| S3-233574 | pCR to TR33.848 - Addition of Appendix - Potential contents page for an Attestation TR | Vodafone GmbH | noted | S3-232944 |  |
| S3-233575 | Cover Sheet for TR 33.848 - For Information and Approval | Vodafone España SA | approved |  |  |
| S3-233576 | ProSe Secondary Authentication triggered by SMF during Relay PDU Session establishment | InterDigital, Europe, Ltd., LG Electronics, China Telecom | noted |  |  |
| S3-233577 | ProSe Secondary Authentication for CP and UP | InterDigital, Europe, Ltd., LG Electronics, China Telecom | noted |  |  |
| S3-233578 | Support for Prose Secondary Authentication | InterDigital, LG Electronics, Samsung, ChinaTelecom, Huawei, HiSilicon | noted |  |  |
| S3-233579 | [Draft] Reply LS on ProSe Secondary Authentication | InterDigital, Europe, Ltd. | noted |  |  |
| S3-233580 | Identity privacy for L3 U2U Relay | InterDigital, Europe, Ltd. | revised |  | S3-234335 |
| S3-233581 | Identity privacy for L2 U2U Relay | InterDigital, Europe, Ltd. | revised |  | S3-234336 |
| S3-233582 | Security and privacy for Direct C2 communications | InterDigital, Europe, Ltd. | revised |  | S3-234208 |
| S3-233583 | TCG progress - report from TCG rapporteur | InterDigital, Europe, Ltd. | noted |  |  |
| S3-233584 | 4.25 - 5G ProSe UE-to-UE Selection of security mechanism | Philips International B.V. | noted |  |  |
| S3-233585 | 4.25 - Update to 5G ProSe UE-to-UE Discovery Model A - VT | Philips International B.V. | merged |  | S3-234339 |
| S3-233586 | 4.25 - Update to 5G ProSe UE-to-UE Discovery Model A - small correction | Philips International B.V. | revised |  | S3-234253 |
| S3-233587 | 4.25 - Update to 5G ProSe UE-to-UE Discovery Model B - small correction | Philips International B.V. | revised |  | S3-234254 |
| S3-233588 | 4.25 - Integrated discovery | Philips International B.V. | noted |  |  |
| S3-233589 | 4.26 - Privacy protection of sharing location of Located UE with Target UE | Philips International B.V. | merged |  | S3-234271 |
| S3-233590 | 4.26 - Secure broadcast/groupcast of ranging information | Philips International B.V. | merged |  | S3-234278 |
| S3-233591 | [33.180] Clarification on SIP core access authentication | HOME OFFICE | not pursued |  |  |
| S3-233592 | Response LS on LI for AKMA in roaming | NDRE | noted |  | - |
| S3-233593 | Discussion on Response LS to SA3LI regarding AKMA Roaming | NDRE | noted |  |  |
| S3-233594 | [33.434] Key Provisioning procedure | Motorola Solutions, Samsung | revised |  | S3-234161 |
| S3-233595 | New WID on mission critical security enhancements for release 19 | Motorola Solutions Danmark A/S | not treated |  |  |
| S3-233596 | Aggrigation of PLMN\_IDs for Roaming Hubs | Vodafone | merged |  | S3-234319 |
| S3-233597 | Aggrigation of PLMN\_IDs for Roaming Hubs | Vodafone, TIM, DoCoMo | not pursued |  |  |
| S3-233598 | Aggrigation of PLMN\_IDs for Roaming Hubs | Vodafone, TIM, DoCoMo | not pursued |  |  |
| S3-233599 | Validation of the parameters sent by OAuth 2.0 client (NF Service Consumer) in the access token request. | Oy LM Ericsson AB | withdrawn |  |  |
| S3-233600 | Evaluation of Solution #11 in ID Privacy | Peraton Labs | revised |  | S3-234250 |
| S3-233601 | Reply LS on resolving the target KMS URI for a migrated MC service user | Airbus | revised |  | S3-234157 |
| S3-233602 | New SID on study on enabling a cryptographic algorithm transition to 256 bits | KDDI Corporation | revised |  | S3-233672 |
| S3-233603 | Added UDM threat reference for use of an invalid and uncompressed point in ECIES protection scheme for SUCI decryption | BSI (DE) | revised |  | S3-233622 |
| S3-233604 | Added UDM SCAS test cases for checking an invalid and uncompressed point in ECIES protection scheme for SUCI decryption | BSI (DE) | revised |  | S3-233623 |
| S3-233605 | Clarification of Replay Protection of NAS signalling messages | BSI (DE) | revised |  | S3-234165 |
| S3-233606 | Clarification of NAS integrity algorithm selection and use | BSI (DE) | revised |  | S3-234166 |
| S3-233607 | Clarification of invalid or unacceptable UE security capabilities handling | BSI (DE) | revised |  | S3-234167 |
| S3-233608 | New SID on Privacy aspects of management data collection and sharing | Nokia, Nokia Shanghai Bell | not treated |  |  |
| S3-233609 | Correction of UDM service naming | BSI (DE) | agreed |  |  |
| S3-233610 | Correction of UDM service naming | BSI (DE) | agreed |  |  |
| S3-233611 | Correction of UDM service naming | BSI (DE) | revised |  | S3-234191 |
| S3-233612 | Study on security enhancement for mobility over non-3GPP access | Nokia, Nokia Shanghai Bell, CableLabs, Charter Communications, Broadcom, Lenovo, Xiaomi, ChinaMobile, Google, ZTE, Apple Keysight Technologies, LGE, Rogers Communications, Philips International B.V. | not treated |  |  |
| S3-233613 | Discussion on U2N discovery security procedure | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233614 | Update discovery key response of U2N discovery security procdure | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233615 | Locate target PKMF in UP based security procedure of U2N relay communication | Nokia, Nokia Shanghai Bell | revised |  | S3-234218 |
| S3-233616 | LS reply on Reporting of Relay UE C-RNTI and NCGI | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233617 | Addition of evaluation for Solution #4 | Nokia, Nokia Shanghai Bell | merged |  | S3-234180 |
| S3-233618 | Addition of evaluation for Solution #6 | Nokia, Nokia Shanghai Bell | revised |  | S3-234181 |
| S3-233619 | Conclusion for KI#6 | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233620 | Conclusion for KI#9 | Nokia, Nokia Shanghai Bell | merged |  | S3-234184 |
| S3-233621 | Conclusion for KI#13 | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233622 | Added UDM threat reference for use of an invalid and uncompressed point in ECIES protection scheme for SUCI decryption | BSI (DE) | revised | S3-233603 | S3-233624 |
| S3-233623 | Added UDM SCAS test cases for checking an invalid and uncompressed point in ECIES protection scheme for SUCI decryption | BSI (DE), Deutsche Telekom AG | not pursued | S3-233604 |  |
| S3-233624 | Added UDM threat reference for use of an invalid and uncompressed point in ECIES protection scheme for SUCI decryption | BSI (DE) | revised | S3-233622 | S3-233625 |
| S3-233625 | Added UDM threat reference for use of an invalid and uncompressed point in ECIES protection scheme for SUCI decryption | BSI (DE), Deutsche Telekom AG | not pursued | S3-233624 |  |
| S3-233626 | Adding evaluation for Sol#26 | InterDigital Belgium. LLC | noted |  |  |
| S3-233627 | Comparative evaluation of KI#2.7 solutions | InterDigital Belgium. LLC | noted |  |  |
| S3-233628 | Adding conclusions for KI#2.7 | InterDigital Belgium. LLC | merged |  | S3-234321 |
| S3-233629 | Adding conclusions for KI#2.6 | InterDigital Belgium. LLC | noted |  |  |
| S3-233630 | LS reply to LS C1-234363 on EES access authorization token issued by ECS | InterDigital Belgium. LLC | merged |  | S3-234153 |
| S3-233631 | Discussion on Rel-19 | WG Chair | noted |  |  |
| S3-233632 | Discussion paper on Security and Privacy Aspects of Subscription Permanent Identifier (SUPI) | IIT Delhi | not treated |  |  |
| S3-233633 | Add key issue for dynamic access control | CMDI | withdrawn |  |  |
| S3-233634 | AKMA Service disable or withdrawn | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233635 | AKMA Service disable or withdrawn | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233636 | Discussion paper on NF authorization at NEF for AF data | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233637 | LS on NF Authorization at NEF for AF data | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233638 | NF authorization at NEF for AF data | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233639 | NF authorization at NEF for AF data | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233640 | Handling of SOR counter and the UE parameter update counter if stored in NVM | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233641 | ME Change issue correction | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233642 | LS reply on AKMA service restrictions in Rel-17 | Nokia, Nokia Shanghai Bell | merged |  | S3-234280 |
| S3-233643 | AKMA service restriction in VPLMN | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233644 | AKMA service restriction in VPLMN | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233645 | Discussion paper on authentication result removal | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233646 | LS reply on Authentication Result Removal | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233647 | Authentication result removal | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233648 | Authentication result removal | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233649 | AUN3 device supporting 5G key hierarchy procedure | Nokia, Nokia Shanghai Bell, CableLabs | revised |  | S3-234233 |
| S3-233650 | Correction in AUN3 device procedure | Nokia, Nokia Shanghai Bell, CableLabs | merged |  | S3-234234 |
| S3-233651 | Correction in AUN3 device procedure for SMC | Nokia, Nokia Shanghai Bell, CableLabs | revised |  | S3-234234 |
| S3-233652 | Resolving EN related to notification | Nokia, Nokia Shanghai Bell | merged |  | S3-234227 |
| S3-233653 | Resolving EN in HONTRA procedures | Nokia, Nokia Shanghai Bell | merged |  | S3-234227 |
| S3-233654 | pCR to ACM\_SBA living doc\_General | Nokia, Nokia Shanghai Bell | revised |  | S3-234235 |
| S3-233655 | pCR to ACM\_SBA living doc\_CMP profile\_cleaning ENs | Nokia, Nokia Shanghai Bell | revised |  | S3-234237 |
| S3-233656 | pCR to ACM\_SBA living doc\_Validation of usage of X.509 certificate | Nokia, Nokia Shanghai Bell | revised |  | S3-234239 |
| S3-233657 | pCR to ACM\_SBA living doc\_Trusted NF Instance Id | Nokia, Nokia Shanghai Bell | revised |  | S3-234238 |
| S3-233658 | pCR to ACM\_SBA living doc\_Set up of initial trust | Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, Ericsson | revised |  | S3-234236 |
| S3-233659 | pCR to ACM\_SBA living doc\_Certificate revocation procedures | Nokia, Nokia Shanghai Bell | approved |  |  |
| S3-233660 | pCR to ACM\_SBA living doc\_Certificate Updates | Nokia, Nokia Shanghai Bell | revised |  | S3-234240 |
| S3-233661 | pCR to ACM\_SBA living doc\_Lifecycle management | Nokia, Nokia Shanghai Bell | merged |  | S3-234241 |
| S3-233662 | pCR to ACM\_SBA living doc\_slicing | Nokia, Nokia Shanghai Bell | revised |  | S3-234242 |
| S3-233663 | draftCR\_living\_doc\_ACM\_SBA | Nokia, Nokia Shanghai Bell | revised |  | S3-234244 |
| S3-233664 | Discussion paper on automated additions of root CAs certificates using CMP | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233665 | pCR on Living draft CR WID eNA\_Ph3\_Key distribution EN | Nokia, Nokia Shanghai Bell | noted |  | - |
| S3-233666 | pCR on Living draft CR WID eNA\_Ph3\_FL\_Authorization | Nokia, Nokia Shanghai Bell | revised |  | S3-234287 |
| S3-233667 | pCR on Living draft CR WID eNA\_Ph3\_FL\_Authorization - diagram | Nokia, Nokia Shanghai Bell | revised |  | S3-234286 |
| S3-233668 | Study on Security aspects of Dual NR Registration | Nokia, Nokia Shanghai Bell | not treated |  |  |
| S3-233669 | NSWO support in SNPN using CH with AAA server | CableLabs, Charter Communications | revised |  | S3-234290 |
| S3-233670 | LS on NSWO support in SNPN using CH AAA server | CableLabs | revised |  | S3-234291 |
| S3-233671 | AUSF sends back MSK to W-AGF after successful EAP authentication | CableLabs | not pursued |  |  |
| S3-233672 | New SID on study on enabling a cryptographic algorithm transition to 256 bits | KDDI Corporation | noted | S3-233602 |  |
| S3-233673 | SBA Zero Trust Access Control via NRF and SCP/NF | MITRE Corporation, Lenovo | noted |  |  |
| S3-233674 | Selection methods between mechanisms with or without network assistance | China Telecom Corporation Ltd.,Huawei, HiSilicon, Interdigital, Philips, Ericsson | revised |  | S3-234259 |
| S3-233675 | Home network initiated authentication | NEC | merged |  | S3-234227 |
| S3-233676 | Clean up for AAnF SCAS | ZTE | merged |  | S3-234225 |
| S3-233677 | Correction on derivation of CP-PRUK ID star | ZTE | revised |  | S3-234215 |
| S3-233678 | Correction on derivation of CP-PRUK ID star | ZTE | not pursued |  |  |
| S3-233679 | Correction of step numbers in clause 6.2 of TS 33.535 | ZTE Corporation | agreed |  |  |
| S3-233680 | Correction of step numbers in clause 6.2 of TS 33.535 | ZTE Corporation | agreed |  |  |
| S3-233681 | Update the definition of AKMA context in TS 33.535 | ZTE Corporation | agreed |  |  |
| S3-233682 | Update the definition of AKMA context in TS 33.535 | ZTE Corporation | agreed |  |  |
| S3-233683 | Clarification for MBSSF in MBS | ZTE | not pursued |  |  |
| S3-233684 | Clarification for MBSSF in MBS | ZTE | not pursued |  |  |
| S3-233685 | Correction on Support for N5CW devices in SNPN with CH | ZTE | agreed |  |  |
| S3-233686 | Correction on the Kamf derivation parameter | ZTE | agreed |  |  |
| S3-233687 | Correction on the Kamf derivation parameter | ZTE | agreed |  |  |
| S3-233688 | Correction on KAMF derivation function in 33.501 R18-mirror | ZTE Corporation | agreed |  |  |
| S3-233689 | Add AKMA Ua\* protocol based on DTLS to TS 33.535 | ZTE | agreed |  |  |
| S3-233690 | Add GPSI to UDM service | ZTE Corporation | not pursued |  |  |
| S3-233691 | Address the EN for AAnF factor | ZTE Corporation | merged |  | S3-234227 |
| S3-233692 | Address the EN for name of notification message between AMF and UDM | ZTE Corporation | merged |  | S3-234227 |
| S3-233693 | Alligment stage 3 for SoR and UPU counter wrap | ZTE Corporation | not pursued |  |  |
| S3-233694 | Mobility for EPS to 5GC | ZTE Corporation | not pursued |  |  |
| S3-233695 | Update the figure of HNA | ZTE Corporation | merged |  | S3-234227 |
| S3-233696 | A possible condition for deriving AKMA key via HONTRA | ZTE Corporation | withdrawn |  |  |
| S3-233697 | Addition of AAnF functionality | ZTE Corporation | withdrawn |  |  |
| S3-233698 | Addition of UDM functionality | ZTE Corporation | withdrawn |  |  |
| S3-233699 | Address the EN for handing 2 AMFs problem | ZTE Corporation | merged |  | S3-234227 |
| S3-233700 | Update AKMA key lifetimes | ZTE Corporation | withdrawn |  |  |
| S3-233701 | Update AKMA related UDM services | ZTE Corporation | withdrawn |  |  |
| S3-233702 | Add some context to 5GMSG on AKMA Ua star protocol | ZTE | not pursued |  |  |
| S3-233703 | Update clause 6.6.3.3 to 5G\_ProSe\_Ph2 living doc | ZTE Corporation | noted |  |  |
| S3-233704 | Update clause 6.6.4 | ZTE Corporation | revised |  | S3-234252 |
| S3-233705 | pCR to 33.533 Update clause 3 | ZTE Corporation | merged |  | S3-234262 |
| S3-233706 | pCR to 33.533 Update clause 4 | ZTE Corporation | merged |  | S3-234264 |
| S3-233707 | pCR to 33.533 Update clause 6.4.4 | ZTE Corporation | merged |  | S3-234273 |
| S3-233708 | Discussion on new SID on dual 3GPP access security | ZTE Corporation | not treated |  |  |
| S3-233709 | New SID on dual 3GPP access security | ZTE Corporation | not treated |  |  |
| S3-233710 | Discussion paper on application login via IMS | China Telecom Corporation Ltd. | not treated |  |  |
| S3-233711 | New SID on application login via IMS | China Telecom Corporation Ltd. | not treated |  |  |
| S3-233712 | New WID on Addition of 256-bit security Algorithms | Nokia, Nokia Shanghai Bell | revised |  | S3-234334 |
| S3-233713 | LS reply for Security for AI ML management capabilities | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233714 | Discussion on Security Enhancement for Ambient IOT Service | Huawei, HiSilicon | not treated |  |  |
| S3-233715 | New SID on Security Enhancement for Ambient IOT Service | Huawei, HiSilicon | not treated |  |  |
| S3-233716 | Discussion on Security Enhancement for NEF service | Huawei, HiSilicon | not treated |  |  |
| S3-233717 | Security protection for resource sharing across broadcast MBS Sessions during network sharing | Huawei, HiSilicon | merged |  | S3-234295 |
| S3-233718 | Authorization for the SL Positioning Client UE | Huawei, HiSilicon | revised |  | S3-234345 |
| S3-233719 | Authorization for UE role in ranging | Huawei, HiSilicon | merged |  | S3-234266 |
| S3-233720 | Security handling in mobility from 5GS to EPS | Huawei, HiSilicon | not pursued |  |  |
| S3-233721 | Reply LS on Security Context Transfer between MBSF and MBSTF | Huawei, HiSilicon | noted |  |  |
| S3-233722 | Removal of the editor’s note on MT-LR procedure | Huawei, HiSilicon | revised |  | S3-234344 |
| S3-233723 | Authorization of AF or 5GC NF for UEs belonging to several PLMNs | Huawei, HiSilicon | merged |  | S3-234268 |
| S3-233724 | Update Service Area in FL Authorization | Huawei, HiSilicon | merged |  | S3-234287 |
| S3-233725 | Discussion paper on protection of DataSetTag | Huawei, HiSilicon | noted |  |  |
| S3-233726 | Procedure for secured and authorized AI/ML model data sharing | Huawei, HiSilicon | noted |  |  |
| S3-233727 | Clarify the Allowed NF list and resolve EN in Model authorizaion procedure | Huawei, HiSilicon | revised |  | S3-234288 |
| S3-233728 | Update Area of interest in OAuth2.0 | Huawei, HiSilicon | not pursued |  |  |
| S3-233729 | On the claims against solution#11 | Huawei, HiSilicon, Qualcomm Incorporated | noted |  |  |
| S3-233730 | Update to CMPv2 Profiling | Huawei, HiSilicon | merged |  | S3-234237 |
| S3-233731 | User consent parameters extension based on user cosent for roaming requirements | Huawei, HiSilicon | not pursued |  | - |
| S3-233732 | Clarification on authorization for FL and model sharing | Huawei, HiSilicon | noted |  |  |
| S3-233733 | Security for NSWO support in SNPN | Huawei, HiSilicon | merged |  | S3-234275 |
| S3-233734 | Discussion for security issue for NSWO | Huawei, HiSilicon | noted |  |  |
| S3-233735 | SN authentication for R17 NSWO | Huawei, HiSilicon | merged |  | S3-234168 |
| S3-233736 | API invoker obtaining authorization from resource owner | Huawei, HiSilicon | merged |  | S3-234298 |
| S3-233737 | Revocation procedures invoked by API invoker | Huawei, HiSilicon | noted |  |  |
| S3-233738 | Revocation procedure invoked by resource owner client | Huawei, HiSilicon | not treated |  |  |
| S3-233739 | Recommendations for SIV | Huawei, HiSilicon | merged |  | S3-234184 |
| S3-233740 | Discussion on mitigations against unsecure UE selection between different generation networks | Huawei, HiSilicon | not treated |  |  |
| S3-233741 | Discussion about Security study for Integrated Sensing and Communication | Huawei, HiSilicon | not treated |  |  |
| S3-233742 | New Study on Security Aspects of Integrated Sensing and Communication | Huawei, HiSilicon | not treated |  |  |
| S3-233743 | Identify discovery security materials in UE-to-Network Relay discovery | Huawei, HiSilicon | not pursued |  |  |
| S3-233744 | Security of UE-to-UE Relay with integrated discovery | Huawei, HiSilicon | noted |  |  |
| S3-233745 | New WID on security aspects of Selective SCG Activation | Huawei, HiSilicon | noted |  |  |
| S3-233746 | Clarification about Annex A.3 | Huawei, HiSilicon | merged |  | S3-234215 |
| S3-233747 | Security mechanism selection in integrated discovery of UE-to-UE Relay | Huawei, HiSilicon | noted |  |  |
| S3-233748 | Correction about the clause of L2 UE-to-UE relay | Huawei, HiSilicon | merged |  | S3-234252 |
| S3-233749 | Clarification about selection of security mechanisms in path switching for U2N relay | Huawei, HiSilicon | revised |  | S3-234276 |
| S3-233750 | Security for Selective SCG Activation | Huawei, HiSilicon | not pursued |  | - |
| S3-233751 | New WID on SCAS for Rel-18 features | Huawei, HiSilicon | revised |  | S3-234349 |
| S3-233752 | Link KAF refresh to KAKMA refresh | Huawei, HiSilicon, China Mobile | revised |  | S3-234281 |
| S3-233753 | Delete EN on two AMF pending flags | Huawei, HiSilicon | merged |  | S3-234227 |
| S3-233754 | Update the potential trigger on SoRUPU case | Huawei, HiSilicon | not pursued |  |  |
| S3-233755 | Update the Figure and description to align with the latest conclusion. | Huawei, HiSilicon | merged |  | S3-234227 |
| S3-233756 | Security for access to SNPN services via Trusted non-3GPP access | Huawei, HiSilicon | merged |  | S3-234292 |
| S3-233757 | Delete EN in caluse 7B.7 | Huawei, HiSilicon | merged |  | S3-234234 |
| S3-233758 | CR on registration procedure of AUN3 device supporting 5G key hirerachy | Huawei, HiSilicon | merged |  | S3-234233 |
| S3-233759 | Clarification on discovery of PKMF of Relay UE by the SMF in remote UE report procedure | Huawei, HiSilicon | revised |  | S3-234277 |
| S3-233760 | Addressing Editor's Note on remote multiple Remote User ID | Huawei, HiSilicon | noted |  |  |
| S3-233761 | pCR on addressing the issue of refaining from sending data by the remote UE | Huawei, HiSilicon | noted |  |  |
| S3-233762 | Draft Reply LS on AKMA service restrications | Huawei, HiSilicon | merged |  | S3-234280 |
| S3-233763 | Removal of the roaming restriction for Rel-17 | Huawei, HiSilicon | not pursued |  | - |
| S3-233764 | Disscussion on removing roaming restriction for AKMA R-17 | Huawei, HiSilicon | noted |  |  |
| S3-233765 | Discussion on a key misalignment issue | Huawei, HiSilicon | not treated |  |  |
| S3-233766 | certificate update of the NF | Huawei, HiSilicon | merged |  | S3-234240 |
| S3-233767 | NRF optimization for certificate lifecycle management | Huawei, HiSilicon | revised |  | S3-234241 |
| S3-233768 | pCR on addressing the issue of refaining from sending data by the remote UE | Huawei, HiSilicon | noted |  |  |
| S3-233769 | Addition of solution 30 evaluation | Huawei, HiSilicon | noted |  |  |
| S3-233770 | Discussion on the solutions for KI#2.7 | Huawei, HiSilicon | noted |  |  |
| S3-233771 | Coclusions for KI#2.7 | Huawei, HiSilicon | revised |  | S3-234321 |
| S3-233772 | Resolving EN of Conclusion of KI#1.2 | Huawei, HiSilicon | revised |  | S3-234192 |
| S3-233773 | Addition of critical assets and threats specific to NSSAAF network product class | Huawei, HiSilicon | agreed |  |  |
| S3-233774 | Addition of critical assets and threats specific to NSSAAF network product class | Huawei, HiSilicon | agreed |  |  |
| S3-233775 | Reference correction for MnF SCAS | Huawei, HiSilicon | agreed |  |  |
| S3-233776 | Addition of tenet 4 evaluation | Huawei, HiSilicon | revised |  | S3-234202 |
| S3-233777 | Completion of tenet 6 evaluation | Huawei, HiSilicon | revised |  | S3-234203 |
| S3-233778 | Completion of tenet 7 evaluation | Huawei, HiSilicon | merged |  | S3-234204 |
| S3-233779 | On the TU allocation for security studies | Huawei, HiSilicon | noted |  |  |
| S3-233780 | Clarification on access token request for accessing services | Huawei, HiSilicon | revised |  | S3-234207 |
| S3-233781 | Reply LS on DNS over TLS (DoT) and DNS over HTTPS (DoH) | Huawei, HiSilicon | noted |  | - |
| S3-233782 | Discussion on Trustworthiness of AI/ML | Nokia, Nokia Shanghai Bell, CMCC | noted |  |  |
| S3-233783 | Add Tenets to Tenet Evaluation Summary | Johns Hopkins University APL, Lenovo | revised |  | S3-234224 |
| S3-233784 | LS on 5G roaming | Nokia, Nokia Shanghai Bell | revised |  | S3-234296 |
| S3-233785 | DP for LS on roaming | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233786 | LS on ipx domain | Nokia, Nokia Shanghai Bell | approved |  |  |
| S3-233787 | LS.reply on CAPIF extensibility | Nokia, Nokia Shanghai Bell | revised |  | S3-234154 |
| S3-233788 | CR to 33.122 CAPIF Vendor specific security methods | Nokia, Nokia Shanghai Bell, Samsung, AT&T | revised |  | S3-234312 |
| S3-233789 | pCR to DraftCR SNAAPPY Security requirements on CAPIF-8 | Nokia, Nokia Shanghai Bell | revised |  | S3-234299 |
| S3-233790 | pCR to DraftCR SNAAPPY Functional security models for CAPIF supporting RNAA | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233791 | pCR to DraftCR SNAAPPY API invoker is part of UE | Nokia, Nokia Shanghai Bell | merged |  | S3-234298 |
| S3-233792 | Delegated access token validation | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233793 | Clarification on subscribe-notify | Nokia, Nokia Shanghai Bell | revised |  | S3-234351 |
| S3-233794 | SCP to include 3gpp-Sbi-Originating-Network-Id header | Nokia, Nokia Shanghai Bell | revised |  | S3-234352 |
| S3-233795 | Including SNPN ID in SBA and N32 related descriptions | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233796 | Including SNPN ID in SBA and N32 related descriptions | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S3-233797 | Editorial cleanups | Nokia, Nokia Shanghai Bell | revised |  | S3-234304 |
| S3-233798 | Scope alignment with key issues addressed | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S3-233799 | Clarifications on deployment options | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S3-233800 | Key issue 11 editorial updates | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S3-233801 | Alignment of key issue 12 with GSMA input | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S3-233802 | Evaluation clarification to solution for access tokens for NFc Sets | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S3-233803 | Add Evaluation to Sol 12 in ID Privacy | Johns Hopkins University APL, InterDigital, Qualcomm IncorporatedAdd Evaluation to Solution #12 | revised |  | S3-234189 |
| S3-233804 | Updates to Solution 11 in ID Privacy | Johns Hopkins University APL, Qualcomm Incorporated, InterDigital, Huawei, HiSilicon | revised |  | S3-234186 |
| S3-233805 | TR33.886 clean-up | Huawei, HiSilicon | agreed |  |  |
| S3-233806 | Home control for Network Slice Admission Control (NSAC) procedures | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, LGE, Xiaomi, ZTE | not pursued |  |  |
| S3-233807 | Dummy WID for eNS3 security | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, LGE, Xiaomi, ZTE | noted |  |  |
| S3-233808 | NSSAA procedure update for multiple registration | Huawei, HiSilicon | not pursued |  |  |
| S3-233809 | Clarification on AF authorization in clause 12.4 | Huawei, HiSilicon | revised |  | S3-234216 |
| S3-233810 | Clarification of AF authorization in clause 12.4 | Huawei, HiSilicon | revised |  | S3-234217 |
| S3-233811 | R19 SID discussions for security enhancement of network slicng | Huawei, HiSilicon | not treated |  |  |
| S3-233812 | R19 SID on security enhancement of network slicng | Huawei, HiSilicon | not treated |  |  |
| S3-233813 | Solution to KI#1 | Huawei, HiSilicon | noted |  |  |
| S3-233814 | Evaluatoin to Sol#1 | Huawei, HiSilicon | noted |  |  |
| S3-233815 | conclusions to KI#1 | Huawei, HiSilicon | noted |  |  |
| S3-233816 | Direct C2 security for unicast | Huawei, HiSilicon | merged |  | S3-234208 |
| S3-233817 | Discussions for security enhancement of UAS | Huawei, HiSilicon | not treated |  |  |
| S3-233818 | SERP-LS on security protection on RRCResumeRequest message | Apple | noted |  |  |
| S3-233819 | SERP-Discussion paper on SERP feature summary | Apple | noted |  |  |
| S3-233820 | CR on Security vulnerability fix for use of AES-GCM and AES-GMAC in 33.203 | Apple | not pursued |  |  |
| S3-233821 | CR on 33501\_s1n1\_idlemode\_mapped\_ctxt | Apple | revised |  | S3-234162 |
| S3-233822 | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network (S6-231061) | Apple | revised |  | S3-234309 |
| S3-233823 | Reply LS on user consent for UE location sharing (S6-230351) | Apple | revised |  | S3-234308 |
| S3-233824 | Reply LS on Handling of SOR counter and the UE parameter update counter if stored in NVM | Apple | noted |  |  |
| S3-233825 | CR for TR33809 clean up | Apple | revised |  | S3-234152 |
| S3-233826 | Correction in clause 6.3.3.2.2 and 6.3.3.3.2 of TS 33.503 | OPPO | withdrawn |  |  |
| S3-233827 | New WID on 5G Security Assurance Specification (SCAS) for the Short Message Service Function (SMSF) | IIT Bombay | revised |  | S3-234333 |
| S3-233828 | Supplement to Solution #7 | China Telecommunications | noted |  |  |
| S3-233829 | New SID on Security Aspects of Network Sharing Enhancements | China Unicom | not treated |  |  |
| S3-233830 | CR on Security for selective SCG activation | OPPO | not pursued |  |  |
| S3-233831 | Add authentication method negotiation between EEC and ECS or EES | OPPO | merged |  | S3-234195 |
| S3-233832 | Resolving the AAnF EN for the HONTRA feature | BUPT | merged |  | S3-234227 |
| S3-233833 | Clarification on the description about AAnF | China Telecom | revised |  | S3-234222 |
| S3-233834 | Secuity requirement for groupcast and broadcat communication | OPPO | revised |  | S3-234278 |
| S3-233835 | Add security procedures for groupcast communication | OPPO | merged |  | S3-234279 |
| S3-233836 | Clarification on the description about AAnF | China Telecom | revised |  | S3-234223 |
| S3-233837 | Resolving EN of Conclusion of KI#2.6 | Huawei, HiSilicon | revised |  | S3-234320 |
| S3-233838 | pCR on addressing Sol#27 | Huawei, HiSilicon | noted |  | - |
| S3-233839 | Correction of authorization between SEPP and network functions | Huawei, HiSilicon | not pursued |  | - |
| S3-233840 | Clarification on EES authorization | Huawei, HiSilicon | noted |  |  |
| S3-233841 | Living CR of EDGE\_Ph2 on TS 33.558 | Huawei, HiSilicon | revised |  | S3-234196 |
| S3-233842 | Living CR of EDGE\_Ph2 on TS\_33.501 | Huawei, HiSilicon | revised |  | S3-234197 |
| S3-233843 | TR 33.739 EN Cleanup | Huawei, HiSilicon | revised |  | S3-234323 |
| S3-233844 | Cover sheet TR 33.739 | Huawei, HiSilicon | revised |  | S3-234324 |
| S3-233845 | CR of EDGE\_Ph2 on TS 33.558 | Huawei, HiSilicon | revised |  | S3-234198 |
| S3-233846 | CR of EDGE\_Ph2 on TS 33.501 | Huawei, HiSilicon | revised |  | S3-234199 |
| S3-233847 | Authentication result removal | Huawei, HiSilicon | not pursued |  |  |
| S3-233848 | Clarification on the authorization of UE Relay | Huawei, HiSilicon | noted |  |  |
| S3-233849 | Clarification about selection of U2N relay | Huawei, HiSilicon | noted |  |  |
| S3-233850 | Clarification about Layer-2 link modification | Huawei, HiSilicon | noted |  |  |
| S3-233851 | Reply LS on Handling of access tokens provided by ECS to the EEC for accessing EES(s) | Huawei, HiSilicon | revised |  | S3-234153 |
| S3-233852 | Living CR for RTC | Huawei, HiSilicon | revised |  | S3-234247 |
| S3-233853 | Editorials changes of X.8 and X.9 | China moble | approved |  |  |
| S3-233854 | Adding the clause references to TS 33.523 | Qualcomm Incorporated | agreed |  |  |
| S3-233855 | Adding the missing Xn-U interface | Qualcomm Incorporated | agreed |  |  |
| S3-233856 | Linking the gNB and split gNB specifications | Qualcomm Incorporated | revised |  | S3-234131 |
| S3-233857 | Removing redundant text from clause 5.2.2.1.4 | Qualcomm Incorporated | agreed |  |  |
| S3-233858 | Adding the missing Xn-U interface | Qualcomm Incorporated | revised |  | S3-234327 |
| S3-233859 | Correction of cross-refence in clause 4.2.3.4.1 | Qualcomm Incorporated | not pursued |  |  |
| S3-233860 | Correction of cross-refence in clause 4.2.3.4.1 | Qualcomm Incorporated | not pursued |  |  |
| S3-233861 | Correction of cross-refence in clause 4.2.3.4.1 | Qualcomm Incorporated | revised |  | S3-234226 |
| S3-233862 | Adding a missing requirement name | Qualcomm Incorporated | agreed |  |  |
| S3-233863 | Correcting some references in TS 33.256 | Qualcomm Incorporated, China Mobile | agreed |  |  |
| S3-233864 | Living document for UAS draft CR | Qualcomm Incorporated | revised | S3-233425 | S3-234346 |
| S3-233865 | Some proposed changes to the Rel-18 draft CR | Qualcomm Incorporated | revised |  | S3-234211 |
| S3-233866 | Resolving the identity privacy EN | Qualcomm Incorporated | noted |  |  |
| S3-233867 | Resolving the UUAA EN | Qualcomm Incorporated | noted |  |  |
| S3-233868 | Resolving AKMA EN in HONTRA procedures | Qualcomm Incorporated, Nokia | merged |  | S3-234227 |
| S3-233869 | Discussion on protecting header information in UPU | Qualcomm Incorporated | noted |  |  |
| S3-233870 | Protection of UPU header | Qualcomm Incorporated | not pursued | S3-232551 |  |
| S3-233871 | Discussion on selective SCG procedures | Qualcomm Incorporated | noted |  |  |
| S3-233872 | Adding the selective SCG functionality | Qualcomm Incorporated | noted |  |  |
| S3-233873 | IAB inter-CU topology adaptation and backhaul RLF recovery procedures | Qualcomm Incorporated | not pursued | S3-232564 |  |
| S3-233874 | Security handling in network sharing scenario | Qualcomm Incorporated | revised |  | S3-234295 |
| S3-233875 | Updating security procedure for U2U relay discovery with model A in ProSe draft CR | Qualcomm Incorporated | revised |  | S3-234339 |
| S3-233876 | Updating security procedure for U2U relay discovery with model B in ProSe draft CR | Qualcomm Incorporated | revised |  | S3-234340 |
| S3-233877 | Updating selection mechanisms in ProSe draft CR | Qualcomm Incorporated | merged |  | S3-234259 |
| S3-233878 | Adding integrated discovery security | Qualcomm Incorporated | noted |  |  |
| S3-233879 | Draft Reply LS on Retrieving keys for decryption of protected IEs for U2N relay | Qualcomm Incorporated | noted |  | - |
| S3-233880 | Update general clause of U2U Relay discovery security in ProSe draft CR | Qualcomm Incorporated | approved |  |  |
| S3-233881 | Adding a description for privacy of identities during layer-2 U2U relay reselection | Qualcomm Incorporated | noted |  |  |
| S3-233882 | Adding one-to-many communication security in SL positioning draft CR | Qualcomm Incorporated | revised |  | S3-234279 |
| S3-233883 | Adding discovery security procedures for V2X capable UEs | Qualcomm Incorporated | revised |  | S3-234265 |
| S3-233884 | Updates on discovery procedures | Qualcomm Incorporated | approved |  |  |
| S3-233885 | Evaluation of Solution 11 - Protecting the privacy of high priority users | Qualcomm Incorporated, Huawei, HiSilicon | merged | S3-232583 | S3-234250 |
| S3-233886 | Proposed conclusion to KI#2- Protecting the privacy of high priority users | Qualcomm Incorporated, Huawei, HiSilicon | noted | S3-232585 |  |
| S3-233887 | Mobility procedure for Trusted Non-3GPP access | Qualcomm Incorporated | not pursued |  |  |
| S3-233888 | TNAP Mobility within a TNAN | Qualcomm Incorporated | noted |  |  |
| S3-233889 | pCR: Evalution of Solution #1 | Qualcomm Incorporated | noted |  |  |
| S3-233890 | pCR: Conclusion for TR 33.892 | Qualcomm Incorporated | noted |  |  |
| S3-233891 | Handling of SoR/UPU Counter if stored in NVM | Qualcomm Incorporated | noted |  |  |
| S3-233892 | Handling of SoR/UPU Counter stored in NVM | Qualcomm Incorporated | not pursued |  |  |
| S3-233893 | Updating the FC values | Qualcomm Incorporated | not pursued |  |  |
| S3-233894 | Guidance on mitigating privacy risk of variable length NAI based SUPIs | Qualcomm Incorporated | not pursued |  | - |
| S3-233895 | Deletion of EN in KI#1 Conclusion | Qualcomm Incorporated | noted |  |  |
| S3-233896 | Update to living CR for eNA-X.9 | China Telecommunications | approved |  |  |
| S3-233897 | Add Discovery Security Procedure for V2X Capable UEs | Guangdong OPPO Mobile Telecom. | withdrawn |  |  |
| S3-233898 | Study on resource isolation enforcement for application in 5G network | Nokia, Nokia Shanghai Bell, U.S. National Security Agency, NIST, CableLabs, China Telecommunications | not treated |  |  |
| S3-233899 | Discussion on security for PLMN hosting a NPN | China Telecommunications | not treated |  |  |
| S3-233900 | discussion on resource isolation enforcement for application in 5G network | Nokia, Nokia Shanghai Bell | not treated |  |  |
| S3-233901 | New SID on security for PLMN hosting a NPN | China Telecommunications | not treated |  |  |
| S3-233902 | 5MBS Annex W NOTE | Ericsson | revised |  | S3-234229 |
| S3-233903 | Retrieving keys for decryption of protected IEs for U2N relay | Ericsson | not pursued |  |  |
| S3-233904 | LS reply on LS on Retrieving keys for decryption of protected IEs for U2N relay | Ericsson | noted |  |  |
| S3-233905 | Cleanup ENs of emergency support in the 5G\_ProSe\_Ph2 living doc | Ericsson | approved |  |  |
| S3-233906 | Resolve ENs of security with network assistance in the 5G\_ProSe\_Ph2 living doc | Ericsson, China Telecom | revised |  | S3-234341 |
| S3-233907 | Security of 5G ProSe PC5 Communication with integrated discovery for 5G ProSe Layer-3 UE-to-UE Relay with network assistance | Ericsson | noted |  |  |
| S3-233908 | LS on U2N relay direct link setup failure due to RSC mismatch or integrity failure | Ericsson | noted |  |  |
| S3-233909 | U2N relay direct link setup failure due to RSC mismatch or integrity failure | Ericsson, Philips International B.V | not pursued |  |  |
| S3-233910 | A possible condition for deriving AKMA key via HONTRA | ZTE Corporation | not pursued |  |  |
| S3-233911 | Addition of AAnF functionality | ZTE Corporation | revised |  | S3-234228 |
| S3-233912 | Addition of UDM functionality | ZTE Corporation | not pursued |  |  |
| S3-233913 | Update AKMA key lifetimes | ZTE Corporation | not pursued |  |  |
| S3-233914 | Update AKMA related UDM services | ZTE Corporation | agreed |  |  |
| S3-233915 | Add Discovery Security Procedure for V2X Capable UEs | Guangdong OPPO Mobile Telecom. | merged |  | S3-234265 |
| S3-233916 | 5MBS Annex W NOTE | Ericsson | revised |  | S3-234230 |
| S3-233917 | Addressing comments from EditHelp | Ericsson | agreed |  |  |
| S3-233918 | Discussion of the Verification of the serving network name by the AUSF | Ericsson | noted |  |  |
| S3-233919 | Verification of the serving network name by the AUSF | Ericsson | not pursued | - | - |
| S3-233920 | Verification of the serving network name by the AUSF | Ericsson | not pursued |  |  |
| S3-233921 | Correction of NAI format for 5G NSWO | Ericsson | revised |  | S3-234168 |
| S3-233922 | Correction of NAI format for 5G NSWO | Ericsson | revised |  | S3-234169 |
| S3-233923 | Resolving Editor's Note on Interoperability indicator of model storage consumer | Ericsson | noted |  |  |
| S3-233924 | Resolving Editor's Note on key distribution | Ericsson | noted |  | - |
| S3-233925 | Resolving Editor's Note on Authorization of selection of participant NWDAF instances in the Federated Learning group | Ericsson | merged |  | S3-234287 |
| S3-233926 | Authorization of Model Sharing with MTLF | Ericsson | noted |  |  |
| S3-233927 | NSWO support in SNPN without CH and with CH using AUSF/UDM | Ericsson | revised |  | S3-234275 |
| S3-233928 | Authentication method selection and clause structure for non-3GPP access support in SNPN | Ericsson | merged |  | S3-234293 |
| S3-233929 | Correction of wrong reference clause number | LG Electronics | merged |  | S3-234227 |
| S3-233930 | EN resolving on signalling overload | LG Electronics | merged |  | S3-234227 |
| S3-233931 | Authorization Mechanism for NWDAF and NF Service Consumer using Vendor ID | Intel Corporation (UK) Ltd | noted |  |  |
| S3-233932 | Key Distribution for Secure Model Sharing | Intel Corporation (UK) Ltd | approved |  | - |
| S3-233933 | Solution 12: Delete Privacy EN | Intel Corporation (UK) Ltd | merged |  | S3-234189 |
| S3-233934 | Correction in clause 6.3.3.2.2 and 6.3.3.3.2 of TS 33.503 | OPPO,Xidian | revised |  | S3-234219 |
| S3-233935 | Evaluation of Solution #11 | Intel Corporation (UK) Ltd | merged |  | S3-234250 |
| S3-233936 | New WID on 3GPP profiles for cryptographic algorithms and security protocols | Ericsson, Interdigital, CableLabs | not treated |  |  |
| S3-233937 | Adding secure ESP algorithms | Ericsson | not pursued |  |  |
| S3-233938 | Concealing the length of SUPIs in SUCIs by padding the SUPIs (consolidated from Sol #2, 5, and 9) | Ericsson, Interdigital, Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233939 | KI #1 – Further Conclusions | Ericsson, Interdigital, Nokia, Nokia Shanghai Bell, Convida Wireless, Verizon Wireless, Johns Hopkins University APL, Philips, MITRE | noted |  |  |
| S3-233940 | Reply LS to Reply LS on the user consent for trace reporting S3-223162 | Ericsson | revised |  | S3-234267 |
| S3-233941 | Validation of the parameters sent by OAuth 2.0 client (NF Service Consumer) in the access token request. | Ericsson, Nokia, Nokia Shanghai Bell | agreed |  |  |
| S3-233942 | Use of NF Instance ID in the mutual authentication between the NF Consumer and NRF | Ericsson, Nokia, Nokia Shanghai Bell | revised |  | S3-234206 |
| S3-233943 | 4.26 - Authorization of UEs for Ranging-SL Positioning service exposure | Philips International B.V. | merged |  | S3-234345 |
| S3-233944 | Clean up for 33.738 | China Mobile | withdrawn |  |  |
| S3-233945 | Procedure for protection of data exchange in roaming case | China Mobile | noted |  | - |
| S3-233946 | Procedure for protection of analytics exchange in roaming case | China Mobile | revised |  | S3-234283 |
| S3-233947 | Updates on clause 13 for eNA analytics roaming | China Mobile | revised |  | S3-234284 |
| S3-233948 | Updates on clause 13 for eNA data roaming | China Mobile | merged |  | S3-234284 |
| S3-233949 | Discussion paper for Study on security aspects of AIMLenhancements | China Mobile | not treated |  |  |
| S3-233950 | living CR for eNA | China Mobile | revised |  | S3-234282 |
| S3-233951 | Security for AIML model storage and sharing | China Mobile | revised |  | S3-234289 |
| S3-233952 | Reply LS on LI for AKMA in roaming | China Mobile | noted |  | - |
| S3-233953 | Rely LS on AKMA service restrictions in Rel-17 | China Mobile | noted |  | - |
| S3-233954 | Cleanup of 33737 | China Mobile | revised |  | S3-234301 |
| S3-233955 | Editorial corrections to TS33537 | China Mobile | revised |  | S3-234225 |
| S3-233956 | Revised SID on enhancement of AKMA | China Mobile | agreed |  |  |
| S3-233957 | Proposal about considerations to security management | China Mobile | not treated |  |  |
| S3-233958 | CR\_Removing N32 precontext ID in 33.501 in R16 | China Mobile | agreed |  |  |
| S3-233959 | CR\_Removing N32 precontext ID in 33.501 in R17 | China Mobile | agreed |  |  |
| S3-233960 | CR\_Removing N32 precontext ID in 33.501 in R18 | China Mobile | agreed |  |  |
| S3-233961 | Discussion on security for XR | China Mobile | not treated |  |  |
| S3-233962 | EN Removal for sol#4 33.870 | China Mobile | noted |  |  |
| S3-233963 | Evaluation for sol#4 33.870 | China Mobile | noted |  |  |
| S3-233964 | New SID on security for XR services | China Mobile | not treated |  |  |
| S3-233965 | WID on security enhancements for 5GC Location Services Phase 3 | Ericsson | not treated |  |  |
| S3-233966 | New Solution to KI #2 | Ericsson | revised |  | S3-234188 |
| S3-233967 | Security in 5G system location services to support user plane positioning | Ericsson | revised |  | S3-234170 |
| S3-233968 | Clean up of TR 33.738 | China Mobile | revised |  | S3-234302 |
| S3-233969 | Resolution of editor notes related to the temporary identifier used during trusted non-3GPP access. | Nokia, Nokia Shanghai Bell | revised |  | S3-234292 |
| S3-233970 | Resolution of editor notes related to selection of authentication method. | Nokia, Nokia Shanghai Bell | revised |  | S3-234293 |
| S3-233971 | New SID on 5GS enhancements for Energy Saving | Nokia, Nokia Shanghai Bell | not treated |  |  |
| S3-233972 | pCR to DraftCR SNAAPPY: Definition of device | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-233973 | LS on evaluation of solution#11 efficacy and accuracy to protect privacy of high priority users | Ericsson | revised |  | S3-234187 |
| S3-233974 | Transport security for DNS | Ericsson | not pursued |  | - |
| S3-233975 | [Draft] Reply LS on DNS over TLS (DoT) and DNS over HTTPS (DoH) | Ericsson | merged |  | S3-234156 |
| S3-233976 | pCR to SNAAPPY CR baseline living document | Ericsson | merged |  | S3-234298 |
| S3-233977 | Adressing security of Edge Node Sharing | Ericsson | noted |  |  |
| S3-233978 | Resolving EN in solution #27 | Ericsson | noted |  | - |
| S3-233979 | Update conclusion on authorization between EESes | Ericsson | noted |  |  |
| S3-233980 | Token-based EES authorization | Ericsson | noted |  |  |
| S3-233981 | Resolving ENs in solution #28 | Ericsson | revised |  | S3-234322 |
| S3-233982 | Conclusion for EEC provided IP address verification | Ericsson | merged |  | S3-234321 |
| S3-233983 | EEC provided IP address verification | Ericsson | noted |  |  |
| S3-233984 | EEC authentication and authentication method negotiation | Ericsson | revised |  | S3-234256 |
| S3-233985 | Correction on GPSI verification | Ericsson | noted |  | - |
| S3-233986 | More clarification on authentication of EEC by EES | Ericsson | noted |  |  |
| S3-233987 | 33.501 Rel-17 Correction: Reverting Annex P back to informative | Ericsson | not pursued |  | - |
| S3-233988 | 33.501 Rel-18 Correction: Reverting Annex P back to informative | Ericsson | not pursued |  |  |
| S3-233989 | Clarification of SEPP inter-domain certificate profiles | Ericsson | revised |  | S3-234212 |
| S3-233990 | Updates to evaluation of solution#28 | Samsung | noted |  |  |
| S3-233991 | Evaluation of solution#29 | Samsung | noted |  |  |
| S3-233992 | Evaluation of solution#30 | Samsung | noted |  |  |
| S3-233993 | Evaluation of solution#31 | Samsung | noted |  |  |
| S3-233994 | Evaluation of solution#32 | Samsung | revised |  | S3-234060 |
| S3-233995 | Clarification of SEPP inter-domain certificate profiles | Ericsson | revised |  | S3-234213 |
| S3-233996 | Evaluation of solution#33 | Samsung | noted |  |  |
| S3-233997 | Evaluation of solution#34 | Samsung | noted |  |  |
| S3-233998 | Clarification of SEPP inter-domain certificate profiles | Ericsson | revised |  | S3-234214 |
| S3-233999 | Conclusion for key issue#2.7 | Samsung | merged |  | S3-234321 |
| S3-234000 | Data collection for Security Monitoring | Lenovo, Charter Communications, US National Security Agency, Telefonica, Rakuten Mobile, Center for Internet Security, Cablelabs, Johns Hopkins University APL | revised |  | S3-234200 |
| S3-234001 | [draftCR] Informative annex for details of authentication method | Samsung | noted |  |  |
| S3-234002 | Conclusion to KI#1 | Lenovo, US National Security Agency, Telefonica, Nokia, Nokia Shanghai Bell, Rakuten Mobile | revised |  | S3-234201 |
| S3-234003 | draftCR on ECS and EES authentication method indication | Samsung, Lenovo, InterDigital, Intel, Thales, Huawei, HiSilicon | revised |  | S3-234195 |
| S3-234004 | draftCR for IP address verification on EES API exposure | Samsung | noted |  |  |
| S3-234005 | TR 33.894 Cleanup | Lenovo | revised |  | S3-234205 |
| S3-234006 | pCR to ACM\_SBA living doc: Best practice security for key management | Ericsson | revised |  | S3-234243 |
| S3-234007 | Update to Tenet #7 | Lenovo, US National Security Agency, Telefonica | revised |  | S3-234204 |
| S3-234008 | CR on selective SCG activation | Samsung | not pursued |  |  |
| S3-234009 | Presentation of Specification/Report to TSG: TR 33.894 | Lenovo | revised |  | S3-234348 |
| S3-234010 | Security protection for resource sharing across broadcast MBS Sessions during network sharing | Samsung | merged |  | S3-234295 |
| S3-234011 | Discussion Paper on Rel.19 Study on enablers for Zero Trust Security | Lenovo | not treated |  |  |
| S3-234012 | Study on Security Aspect of Ambient IoT Services in 5G | OPPO, Cable Labs, Apple, ZTE, Xiaomi, Verizon, Intel, T-Mobile USA, Philips International B.V., China Telecom, Lenovo | revised |  | S3-234137 |
| S3-234013 | Study on enablers for Zero Trust Security | Lenovo, Motorola Mobility, MITRE, Interdigital, Motorola Solutions, Charter Communications, Johns Hopkins University APL, Intel, US National Security Agency, Telefonica, NCSC, OTD\_US, Deutsche Telekom, Keysight Technologies, Center for Internet Security, | not treated |  | - |
| S3-234014 | [IAB][Rel-17] IAB inter-CU topology adaptation procedure | Samsung, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | revised |  | S3-234353 |
| S3-234015 | Add dynamic access control to 6.X | China Moble | noted |  |  |
| S3-234016 | Clarification on Kaf refresh in AKMA | OPPO | withdrawn |  |  |
| S3-234017 | New WID on Applicability of Zero Trust Security Principles in mobile networks | Lenovo, Motorola Mobility, Center for Internet Security, Cablelabs, US National Security Agency, Johns Hopkins University APL, Charter Communications, Telefonica, Rakuten Mobile Inc | noted |  |  |
| S3-234018 | [IAB][Rel-18] IAB inter-CU topology adaptation procedure | Samsung, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | revised |  | S3-234354 |
| S3-234019 | Security Policy Handling in U2U Relay | OPPO, Xidian | noted |  |  |
| S3-234020 | Discussion on study for security aspects of 5G mobile metaverse | Samsung | not treated |  |  |
| S3-234021 | Data collection and exposure to enable security monitoring | Lenovo, Motorola Mobility, Center for Internet Security, Cablelabs, Johns Hopkins University APL, US National Security Agency, Charter Communications, Telefonica, Rakuten Mobile Inc | not pursued |  |  |
| S3-234022 | New SID on security aspects of 5G mobile metaverse services | Samsung, Nokia, Nokia Shanghai Bell | not treated |  |  |
| S3-234023 | CR to TR33.503 Correct definition of reference point Npc14 | CATT | agreed |  |  |
| S3-234024 | Resolving ENs in HONTRA Procedure | Lenovo | merged |  | S3-234227 |
| S3-234025 | Reply LS on Authentication Result Removal | Ericsson | noted |  | - |
| S3-234026 | Living document for AKMA\_GBA\_OSCORE: draftCR to TS 33.220, IETF OSCORE as GBA Ua protocol | Ericsson, THALES, Xiaomi | revised |  | S3-234231 |
| S3-234027 | pCR to GBA OSCORE living doc: Clarifications | Ericsson | revised |  | S3-234232 |
| S3-234028 | IETF OSCORE as AKMA Ua\* protocol | Ericsson | agreed |  |  |
| S3-234029 | AKMA OSCORE Ua\* protocol identifier | Ericsson | not pursued |  |  |
| S3-234030 | Home Network triggered Primary authentication clarifications | Ericsson | revised |  | S3-234227 |
| S3-234031 | LS on Nudm\_UECM service operation updates | Ericsson | noted |  | - |
| S3-234032 | SERP CR to TS 33.501 on the Protection of the RRC Resume Request message | Ericsson, Apple, Huawei, HiSilicon | revised |  | S3-234314 |
| S3-234033 | Annex N additions for IMS data channels. | Ericsson | not pursued |  | - |
| S3-234034 | IMS Data channel security updates | Ericsson | revised |  | S3-234246 |
| S3-234035 | Updates to A2X Direct C2 Communication | Lenovo | not pursued |  | - |
| S3-234036 | Update to the security procedure for U2U Relay Discovery with Model A in ProSe living doc | Samsung | noted |  |  |
| S3-234037 | Conclusion for KI#1 | Lenovo, AT&T, Broadcom, CableLabs, CATT, Charter, China Mobile, China Telecom, Deutsche Telekom, Intel, LG Electronics, Motorola Solutions MSI, NEC, Nokia, Nokia Shanghai Bell, Samsung, Verizon, Xiaomi | revised |  | S3-234316 |
| S3-234038 | Updates to Direct Detect and Avoid | Lenovo | not pursued |  | - |
| S3-234039 | Update to clause 4.2 in ProSe living doc | Samsung | approved |  |  |
| S3-234040 | Update to Solution #1 in ID Privacy | Lenovo | noted |  |  |
| S3-234041 | Update to clause 5.2.5.2 in ProSe living doc | Samsung | revised |  | S3-234127 |
| S3-234042 | Identification of Applications with URSP rules | Lenovo, AT&T, Broadcom, CableLabs, CATT, Charter, China Mobile, China Telecom, Deutsche Telekom, Intel, LG Electronics, Motorola Solutions MSI, NEC, Nokia, Nokia Shanghai Bell, Samsung, Verizon | not pursued |  |  |
| S3-234043 | Update to clause 7 in ProSe living doc | Samsung | revised |  | S3-234261 |
| S3-234044 | Clarification on Kaf refresh in AKMA | OPPO | revised |  | S3-234248 |
| S3-234045 | New WID to enable URSP rules to securely identify Applications (USIA) | Lenovo, AT&T, Broadcom, CableLabs, CATT, Charter, China Mobile, China Telecom, Deutsche Telekom, Intel, LG Electronics, Motorola Solutions MSI, NEC, Nokia, Nokia Shanghai Bell, Samsung, Verizon, Xiaomi | not treated |  |  |
| S3-234046 | pCR to living document of RNAA: updates to clause 5 | Samsung | merged |  | S3-234298 |
| S3-234047 | Clean Up for TR 33.740 | CATT | revised |  | - |
| S3-234048 | TR 33.892 cover | Lenovo | revised |  | S3-234361 |
| S3-234049 | Authentication and authorization using OAuth including redirection | Samsung | merged |  | S3-234298 |
| S3-234050 | New SID on QUIC optimization for access traffic steering, switching and splitting support in the 5G system architecture; Phase 3 | Lenovo, BROADCOM CORPORATION, CableLabs, CATT, Charter Communications, Inc, China Mobile, CISCO, Deutsche Telekom, InterDigital, Inc., LG Electronics, Nokia, Tencent, vivo Mobile Communication Co.,, Xiaomi, ZTE Corporation | not treated |  |  |
| S3-234051 | Add a new annex on token for RNAA | Samsung | merged |  | S3-234298 |
| S3-234052 | New SID on Security Enhancements for URSP in Roaming Scenarios | Lenovo, Nokia, Nokia Shanghai Bell, Philips | not treated |  |  |
| S3-234053 | pCR to living document RNAA: revocation | Samsung | not treated |  |  |
| S3-234054 | Reply LS on Security Context Transfer between MBSF and MBSTF | Ericsson | revised |  | S3-234155 |
| S3-234055 | Living document for 5G\_ProSe\_Ph2 | CATT | revised |  | S3-234251 |
| S3-234056 | Reply LS on Authenticated Vulnerability Testing | Nokia, Nokia Shanghai Bell | revised |  | S3-234159 |
| S3-234057 | Security for integrated U2U relay discovery | CATT | noted |  |  |
| S3-234058 | Selection between establishing PC5 security with or without network assistance | CATT | noted |  |  |
| S3-234059 | Update security procedure of U2U relay discovery Model A | CATT | merged |  | S3-234339 |
| S3-234060 | Evaluation of solution#32 | Samsung | noted | S3-233994 |  |
| S3-234061 | LS on CAPIF specification conflict | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-234062 | Hop-by-hop security policy | CATT | noted |  |  |
| S3-234063 | Handling on SoR counter and the UE paramter update counter if stored in NVM | THALES | noted |  |  |
| S3-234064 | Detailed protection information of U2U relay discovery | CATT | revised |  | S3-234257 |
| S3-234065 | PCR to TS33.533-Security for broadcast and groupcast communication | CATT | merged |  | S3-234278 |
| S3-234066 | Reply LS on Handling of SoR counter and the UE parameter update counter in NVM | THALES | noted |  | - |
| S3-234067 | New SID on Study on Security Aspects of Enhancement for Proximity Based Services in 5GS Phase 3 | CATT | not treated |  |  |
| S3-234068 | New SID on Study on Security Aspects of 5G Satellite Access Phase 3 | CATT | not treated |  |  |
| S3-234069 | Conclusion for Key Issue #1 | THALES | noted |  |  |
| S3-234070 | Alternative Cr 33.122 CAPIF Vendor specific security methods | Nokia, Nokia Shanghai Bell, Samsung, MITRE | revised |  | S3-234311 |
| S3-234071 | Discussion on way forward for Virtualization Study | Vodafone España SA | withdrawn |  |  |
| S3-234072 | pCR to TR33.848 - resolution of editors note in clause 6.2.2.4 | Vodafone España SA | noted |  |  |
| S3-234073 | 33.533: Terms and Abbreviations | Xiaomi Technology | revised |  | S3-234262 |
| S3-234074 | 33.533: Functional Entity of SLPKMF | Xiaomi Technology | revised |  | S3-234264 |
| S3-234075 | 33.533: Update of Reference Points | Xiaomi Technology | revised |  | S3-234342 |
| S3-234076 | 33.533: Common Security | Xiaomi Technology | revised |  | S3-234343 |
| S3-234077 | 33.533: Protection of Integrated Discovery for V2X UE | Xiaomi Technology | noted |  |  |
| S3-234078 | 33.533: Procedure of UE Role Authorization | Xiaomi Technology | revised |  | S3-234266 |
| S3-234079 | 33.533: Security for Communication between the UE and LMF | Xiaomi Technology | revised |  | S3-234273 |
| S3-234080 | 33.533: Requriement for UE Authorization during Communication | Xiaomi Technology | revised |  | S3-234357 |
| S3-234081 | 33.533: Client UE Authorization for Service Exposure via PC5 | Xiaomi Technology | merged |  | S3-234345 |
| S3-234082 | 33.533: Client UE Authorization for Service Exposure via 5GC User Plane | Xiaomi Technology | noted |  |  |
| S3-234083 | 33.533: Client UE Authorization for Service Exposure via 5GC Control Plane | Xiaomi Technology | merged |  | S3-234345 |
| S3-234084 | 33.533: Procedure of Privacy Verification for UE-only Operation | Xiaomi Technology | revised |  | S3-234271 |
| S3-234085 | 33.533: Security Procedure for Unicast Communication without Long-term Credential | Xiaomi Technology | revised |  | S3-234272 |
| S3-234086 | 33.533: Security Requriements and Key Hierarchy for SLPP Signalling Broadcast and Groupcast | Xiaomi Technology | merged |  | S3-234278 |
| S3-234087 | 33.533: Security Procedure for SLPP Signalling Groupcast involving the Network | Xiaomi Technology | merged |  | S3-234279 |
| S3-234088 | 33.533: Security Procedure for SLPP Signalling Groupcast without involving the Network | Xiaomi Technology | merged |  | S3-234279 |
| S3-234089 | New SID on security aspects of Satellite Access Phase 3 | Xiaomi Technology | not treated |  |  |
| S3-234090 | New SID on security aspects of Integrated Sensing and Communication | Xiaomi, OPPO, China Telecom, Apple, ZTE, Lenovo | not treated |  |  |
| S3-234091 | Discussion on Security Study for ISAC | Xiaomi Technology | not treated |  |  |
| S3-234092 | 33.533: update to the procedure for authorization of AF/5GCNF for Ranging/SL Positioning service exposure | Beijing Xiaomi Mobile Software | noted |  | - |
| S3-234093 | 33.533: remove the EN related to the privacy profile | Beijing Xiaomi Mobile Software | revised |  | S3-234269 |
| S3-234094 | 33.533: Security related services | Beijing Xiaomi Mobile Software | revised |  | S3-234358 |
| S3-234095 | Reply LS on Reporting of Relay UE C-RNTI and NCGI | Beijing Xiaomi Mobile Software | noted |  |  |
| S3-234096 | Reply LS on Retrieving keys for decryption of protected IEs for U2N relay | Beijing Xiaomi Mobile Software | noted |  |  |
| S3-234097 | Correction to privacy protection of UP-PRUKID/CP-PRUKID and RSC in DCR | Xiaomi | not pursued |  |  |
| S3-234098 | Add the 5G PKMF service operation | Xiaomi | revised |  | S3-234338 |
| S3-234099 | Correction ot the HONTRA procedure triggered by the AAnF | Xiaomi | merged |  | S3-234227 |
| S3-234100 | Discussion on the pending flag in the HONTRA procedure | Beijing Xiaomi Mobile Software | noted |  |  |
| S3-234101 | Remove the pending flag in the HONTRA procedure | Xiaomi | merged |  | S3-234227 |
| S3-234102 | Update to the HONTRA procedure to remove the EN related to the pending flag | Xiaomi | merged |  | S3-234227 |
| S3-234103 | Update to the security procedure for UE-to-UE Relay communication with network assistance | Beijing Xiaomi Mobile Software | noted |  |  |
| S3-234104 | Update to the security procedure for UE-to-UE Relay communication without network assistance | Beijing Xiaomi Mobile Software | revised |  | S3-234258 |
| S3-234105 | Update to the UE-to-UE Relay Discvoery with Model A procedure | Beijing Xiaomi Mobile Software | revised |  | S3-234255 |
| S3-234106 | Security for 5G ProSe UE-to-UE Relay communication with integrated Discovery | Beijing Xiaomi Mobile Software | noted |  |  |
| S3-234107 | Routing indicator update issue in the A-KID construction procedure Release 18 (mirror) | Xiaomi Communications | not pursued |  |  |
| S3-234108 | Routing indicator update issue in the A-KID construction procedure Release 17 (mirror) | Xiaomi Communications | not pursued |  |  |
| S3-234109 | Routing indicator update issue in the A-KID construction procedure Release 16 | Xiaomi Communications | not pursued |  |  |
| S3-234110 | Add conclusion to KI#2.7 in TR 33.739 | Xiaomi Communications | merged |  | S3-234321 |
| S3-234111 | Add evaluation to sol #32 in TR 33.739 | Xiaomi Communications | noted |  |  |
| S3-234112 | Security method negotiation mechanism for EEC and ECSEES | Xiaomi Communications | merged |  | S3-234195 |
| S3-234113 | Discussion on decorated NAI issue for NSWO in SNPN scenarios | Xiaomi Communications | noted |  | - |
| S3-234114 | Update living doc for NAI format of NSWO in SNPN scenarios | Xiaomi Communications | merged |  | S3-234275 |
| S3-234115 | Resolve ENs related to authentication method selection in SNPN scenarios | Xiaomi Communications | merged |  | S3-234293 |
| S3-234116 | Update NSWO procedure for NAI format Release 17 | Xiaomi Communications | merged |  | S3-234168 |
| S3-234117 | NSWO procedure for NAI format Release 18 (mirror) | Xiaomi Communications | merged |  | S3-234169 |
| S3-234118 | Update token and token request for the RNAA scenarios | Xiaomi Communications | merged |  | S3-234298 |
| S3-234119 | API invoker authorization revocation for RNAA scenarios | Xiaomi Communications | not treated |  |  |
| S3-234120 | Update the general procedure to address the redundant authorization issue | Xiaomi Communications | merged |  | S3-234298 |
| S3-234121 | Authorization code grant with PKCE for the RNAA scenarios | Xiaomi Communications | merged |  | S3-234298 |
| S3-234122 | API invoker onboarding mechainsm for RNAA scenarios | Xiaomi Communications | noted |  |  |
| S3-234123 | Client credentials grant type for the RNAA scenarios | Xiaomi Communications | merged |  | S3-234298 |
| S3-234124 | Update onboarding and authorization mechanism selection procedure to support RNAA scenarios | Xiaomi Communications | merged |  | S3-234298 |
| S3-234125 | Authorization code flow for the RNAA scenarios | Xiaomi Communications | merged |  | S3-234298 |
| S3-234126 | Update to Clause 6.5 for clarification on claims | Lenovo | merged |  | S3-234298 |
| S3-234127 | Update to clause 5.2.5.2 in ProSe living doc | Samsung | approved | S3-234041 |  |
| S3-234128 | baseline SNAAPPY draft CR to 33.122 | NTT DOCOMO INC. | revised |  | S3-234300 |
| S3-234129 | pCR to draft CR on SNAAPPY - editorials | NTT DOCOMO INC. | revised |  | S3-234297 |
| S3-234130 | pCR to draft CR on SNAAPPY - adding oauth flows | NTT DOCOMO INC. | revised |  | S3-234298 |
| S3-234131 | Linking the gNB and split gNB specifications | Qualcomm Incorporated | revised | S3-233856 | S3-234325 |
| S3-234132 | DTLS for SCTP next steps and request for input | IETF Transport Area Working Group | replied to |  |  |
| S3-234133 | Invalid Curve Attack on the 5G SUCI Privacy | GSMA | postponed |  |  |
| S3-234134 | SAGE-23-01 Specification of Milenage-256 finalized | ETSI SAGE | noted |  |  |
| S3-234135 | CVD-2023-0069 – 5G Core Network Attacks | GSMA | postponed |  |  |
| S3-234136 | Draft reply LS to DTLS for SCTP next steps and request for input | Oy LM Ericsson AB | revised |  | S3-234160 |
| S3-234137 | Study on Security Aspect of Ambient IoT Services in 5G | OPPO | not treated | S3-234012 |  |
| S3-234138 | Detail agenda planning for SA3#112 | SA WG3 Chair | revised | S3-233503 | S3-234140 |
| S3-234139 | Study on Security Aspect of Ambient IoT Services in 5G | OPPO | not treated | S3-234137 |  |
| S3-234140 | Detail agenda planning for SA3#112 | SA WG3 Chair | revised | S3-234138 | S3-234175 |
| S3-234141 | Rel- 8 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S3-234142 | Rel- 9 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S3-234143 | Rel- 10 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S3-234144 | Rel- 11 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S3-234145 | Rel- 12 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S3-234146 | Rel- 13 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S3-234147 | Rel- 14 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S3-234148 | Rel- 15 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S3-234149 | Rel- 16 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S3-234150 | Rel- 17 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S3-234152 | CR for TR33809 clean up | Apple | revised | S3-233825 | S3-234163 |
| S3-234153 | Reply LS on Handling of access tokens provided by ECS to the EEC for accessing EES(s) | Huawei, HiSilicon | approved | S3-233851 | - |
| S3-234154 | LS.reply on CAPIF extensibility | Nokia, Nokia Shanghai Bell | approved | S3-233787 | - |
| S3-234155 | Reply LS on Security Context Transfer between MBSF and MBSTF | Ericsson | approved | S3-234054 | - |
| S3-234156 | Reply LS on DNS over TLS (DoT) and DNS over HTTPS (DoH) | Huawei, HiSilicon | withdrawn | - | - |
| S3-234157 | Reply LS on resolving the target KMS URI for a migrated MC service user | Airbus | approved | S3-233601 | - |
| S3-234158 | Reply to LS on Alignment of SA3 security aspects for Personal IoT Networks | Huawei | approved | - | - |
| S3-234159 | Reply LS on Authenticated Vulnerability Testing | Nokia, Nokia Shanghai Bell | approved | S3-234056 | - |
| S3-234160 | Reply LS to DTLS for SCTP next steps and request for input | Oy LM Ericsson AB | approved | S3-234136 | - |
| S3-234161 | [33.434] Key Provisioning procedure | Motorola Solutions, Samsung | agreed | S3-233594 | - |
| S3-234162 | CR on 33501\_s1n1\_idlemode\_mapped\_ctxt | Apple | agreed | S3-233821 | - |
| S3-234163 | CR for TR33809 clean up | Apple | agreed | S3-234152 | - |
| S3-234164 | Security for Selective SCG Activation | Huawei, HiSilicon | approved | - | - |
| S3-234165 | Clarification of Replay Protection of NAS signalling messages | BSI (DE) | agreed | S3-233605 | - |
| S3-234166 | Clarification of NAS integrity algorithm selection and use | BSI (DE) | agreed | S3-233606 | - |
| S3-234167 | Clarification of invalid or unacceptable UE security capabilities handling | BSI (DE) | agreed | S3-233607 | - |
| S3-234168 | Correction of NAI format for 5G NSWO | Ericsson | agreed | S3-233921 | - |
| S3-234169 | Correction of NAI format for 5G NSWO | Ericsson | agreed | S3-233922 | - |
| S3-234170 | Security in 5G system location services to support user plane positioning | Ericsson | agreed | S3-233967 | - |
| S3-234171 | Transport security for DNS | Ericsson | withdrawn | - | - |
| S3-234172 | 33.501 Rel-17 Correction: Reverting Annex P back to informative | Ericsson | withdrawn | - | - |
| S3-234173 | LS out to CT and RAN on Mitigating Downgrade Attacks | Vodafone España SA | approved | S3-233550 | - |
| S3-234174 | Endorsement on MILENAGE algorithm | IDEMIA | noted | - | - |
| S3-234175 | Detail agenda planning for SA3#112 | SA WG3 Chair | noted | S3-234140 | - |
| S3-234176 | Study on enablers for Zero Trust Security | Lenovo, Motorola Mobility, MITRE, Interdigital, Motorola Solutions, Charter Communications, Johns Hopkins University APL, Intel, US National Security Agency, Telefonica, NCSC, OTD\_US, Deutsche Telekom, Keysight Technologies, Center for Internet Security, | withdrawn | - | - |
| S3-234177 | pCR to TR33.848 - Addition of evaluation for Solution #1 | Vodafone GmbH | approved | S3-233565 | - |
| S3-234178 | pCR to TR33.848 - Addition of evaluation for Solution #2 | Vodafone GmbH | approved | S3-233566 | - |
| S3-234179 | pCR to TR33.848 - Addition of evaluation for Solution #3 | Vodafone GmbH | approved | S3-233567 | - |
| S3-234180 | pCR to TR33.848 - Addition of evaluation for Solution #4 | Vodafone GmbH | approved | S3-233568 | - |
| S3-234181 | Addition of evaluation for Solution #6 | Nokia, Nokia Shanghai Bell | approved | S3-233618 | - |
| S3-234182 | Draft TR 33.848 | Vodafone | approved | - | - |
| S3-234183 | pCR to TR33.848 - Addition of evaluation for Solution #8 | Vodafone GmbH | approved | S3-233572 | - |
| S3-234184 | pCR to TR33.848 - Addition of Conclusions and Recommendations | Vodafone GmbH | approved | S3-233573 | - |
| S3-234185 | Recommendations for SIV | Huawei, HiSilicon | withdrawn | - | - |
| S3-234186 | Updates to Solution 11 in ID Privacy | Johns Hopkins University APL, Qualcomm Incorporated, InterDigital, Huawei, HiSilicon | approved | S3-233804 | - |
| S3-234187 | LS on evaluation of solution#11 efficacy and accuracy to protect privacy of high priority users | Ericsson | noted | S3-233973 | - |
| S3-234188 | New Solution to KI #2 | Ericsson | approved | S3-233966 | - |
| S3-234189 | Add Evaluation to Sol 12 in ID Privacy | Johns Hopkins University APL, InterDigital, Qualcomm IncorporatedAdd Evaluation to Solution #12 | approved | S3-233803 | - |
| S3-234190 | Draft TR 33.870 | Interdigital | approved | - | - |
| S3-234191 | Correction of UDM service naming | BSI (DE) | agreed | S3-233611 | - |
| S3-234192 | Resolving EN of Conclusion of KI#1.2 | Huawei, HiSilicon | approved | S3-233772 | - |
| S3-234193 | Draft TR 33.739 | Huawei | approved | - | - |
| S3-234194 | Resolving EN in solution #27 | Ericsson | withdrawn | - | - |
| S3-234195 | draftCR on ECS and EES authentication method indication | Samsung, Lenovo, InterDigital, Intel, Thales, Huawei, HiSilicon | approved | S3-234003 | - |
| S3-234196 | Living CR of EDGE\_Ph2 on TS 33.558 | Huawei, HiSilicon | approved | S3-233841 | - |
| S3-234197 | Living CR of EDGE\_Ph2 on TS\_33.501 | Huawei, HiSilicon | approved | S3-233842 | - |
| S3-234198 | Correction of NAI format for 5G NSWO | Huawei, HiSilicon | agreed | S3-233845 | - |
| S3-234199 | Security of EAS discovery procedure via V-EASDF in roaming Scenario | Huawei, HiSilicon | agreed | S3-233846 | - |
| S3-234200 | Data collection for Security Monitoring | Lenovo, Charter Communications, US National Security Agency, Telefonica, Rakuten Mobile, Center for Internet Security, Cablelabs, Johns Hopkins University APL | approved | S3-234000 | - |
| S3-234201 | Conclusion to KI#1 | Lenovo, US National Security Agency, Telefonica, Nokia, Nokia Shanghai Bell, Rakuten Mobile | approved | S3-234002 | - |
| S3-234202 | Addition of tenet 4 evaluation | Huawei, HiSilicon | approved | S3-233776 | - |
| S3-234203 | Completion of tenet 6 evaluation | Huawei, HiSilicon | approved | S3-233777 | - |
| S3-234204 | Update to Tenet #7 | Lenovo, US National Security Agency, Telefonica | approved | S3-234007 | - |
| S3-234205 | TR 33.894 Cleanup | Lenovo | approved | S3-234005 | - |
| S3-234206 | Use of NF Instance ID in the mutual authentication between the NF Consumer and NRF | Ericsson, Nokia, Nokia Shanghai Bell | agreed | S3-233942 | - |
| S3-234207 | Clarification on access token request for accessing services | Huawei, HiSilicon | agreed | S3-233780 | - |
| S3-234208 | Security and privacy for Direct C2 communications | InterDigital, Europe, Ltd., Huawei, Lenovo | approved | S3-233582 | - |
| S3-234209 | Updates to Direct Detect and Avoid | Lenovo | approved | - | - |
| S3-234210 | Updates to A2X Direct C2 Communication | Lenovo | approved | - | - |
| S3-234211 | Some proposed changes to the Rel-18 draft CR | Qualcomm Incorporated | approved | S3-233865 | - |
| S3-234212 | Clarification of SEPP inter-domain certificate profiles | Ericsson | agreed | S3-233989 | - |
| S3-234213 | Clarification of SEPP inter-domain certificate profiles | Ericsson | agreed | S3-233995 | - |
| S3-234214 | Clarification of SEPP inter-domain certificate profiles | Ericsson | agreed | S3-233998 | - |
| S3-234215 | Correction on derivation of CP-PRUK ID star | ZTE | agreed | S3-233677 | - |
| S3-234216 | Clarification on AF authorization in clause 12.4 | Huawei, HiSilicon | agreed | S3-233809 | - |
| S3-234217 | Clarification of AF authorization in clause 12.4 | Huawei, HiSilicon | agreed | S3-233810 | - |
| S3-234218 | Locate target PKMF in UP based security procedure of U2N relay communication | Nokia, Nokia Shanghai Bell | agreed | S3-233615 | - |
| S3-234219 | Correction in clause 6.3.3.2.2 and 6.3.3.3.2 of TS 33.503 | OPPO,Xidian | agreed | S3-233934 | - |
| S3-234220 | Rel-18 Interface Robustness | Nokia, Nokia Shanghai Bell | agreed | - | - |
| S3-234221 | rel-18 Privileged Users | Nokia, Nokia Shanghai Bell | agreed | - | - |
| S3-234222 | Clarification on the description about AAnF | China Telecom | agreed | S3-233833 | - |
| S3-234223 | Clarification on the description about AAnF | China Telecom | agreed | S3-233836 | - |
| S3-234224 | Add Tenets to Tenet Evaluation Summary | Johns Hopkins University APL, Lenovo | approved | S3-233783 | - |
| S3-234225 | Editorial corrections to TS33537 | China Mobile | agreed | S3-233955 | - |
| S3-234226 | Correction of cross-refence in clause 4.2.3.4.1 | Qualcomm Incorporated | agreed | S3-233861 | - |
| S3-234227 | Home Network triggered Primary authentication clarifications | Ericsson | agreed | S3-234030 | - |
| S3-234228 | Addition of AAnF functionality | ZTE Corporation | agreed | S3-233911 | - |
| S3-234229 | 5MBS Annex W NOTE | Ericsson | agreed | S3-233902 | - |
| S3-234230 | 5MBS Annex W NOTE | Ericsson | agreed | S3-233916 | - |
| S3-234231 | Living document for AKMA\_GBA\_OSCORE: draftCR to TS 33.220, IETF OSCORE as GBA Ua protocol | Ericsson, THALES, Xiaomi | approved | S3-234026 | - |
| S3-234232 | pCR to GBA OSCORE living doc: Clarifications | Ericsson | approved | S3-234027 | - |
| S3-234233 | AUN3 device supporting 5G key hierarchy procedure | Nokia, Nokia Shanghai Bell, CableLabs | agreed | S3-233649 | - |
| S3-234234 | Correction in AUN3 device procedure for SMC | Nokia, Nokia Shanghai Bell, CableLabs | agreed | S3-233651 | - |
| S3-234235 | pCR to ACM\_SBA living doc\_General | Nokia, Nokia Shanghai Bell | approved | S3-233654 | - |
| S3-234236 | pCR to ACM\_SBA living doc\_Set up of initial trust | Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, Ericsson | approved | S3-233658 | - |
| S3-234237 | pCR to ACM\_SBA living doc\_CMP profile\_cleaning ENs | Nokia, Nokia Shanghai Bell | approved | S3-233655 | - |
| S3-234238 | pCR to ACM\_SBA living doc\_Trusted NF Instance Id | Nokia, Nokia Shanghai Bell | approved | S3-233657 | - |
| S3-234239 | pCR to ACM\_SBA living doc\_Validation of usage of X.509 certificate | Nokia, Nokia Shanghai Bell | approved | S3-233656 | - |
| S3-234240 | pCR to ACM\_SBA living doc\_Certificate Updates | Nokia, Nokia Shanghai Bell | approved | S3-233660 | - |
| S3-234241 | NRF optimization for certificate lifecycle management | Huawei, HiSilicon | approved | S3-233767 | - |
| S3-234242 | pCR to ACM\_SBA living doc\_slicing | Nokia, Nokia Shanghai Bell | approved | S3-233662 | - |
| S3-234243 | pCR to ACM\_SBA living doc: Best practice security for key management | Ericsson | approved | S3-234006 | - |
| S3-234244 | draftCR\_living\_doc\_ACM\_SBA | Nokia, Nokia Shanghai Bell | approved | S3-233663 | - |
| S3-234245 | Annex N additions for IMS data channels. | Ericsson | approved | - | - |
| S3-234246 | IMS Data channel security updates | Ericsson | approved | S3-234034 | - |
| S3-234247 | Living CR for RTC | Huawei, HiSilicon | approved | S3-233852 | - |
| S3-234248 | Clarification on Kaf refresh in AKMA | OPPO | agreed | S3-234044 | - |
| S3-234249 | pCR to TR33.848 - Addition of evaluation for Solution #5 | Vodafone GmbH | approved | S3-233569 | - |
| S3-234250 | Evaluation of Solution #11 in ID Privacy | Peraton Labs | withdrawn | S3-233600 | - |
| S3-234251 | Living document for 5G\_ProSe\_Ph2 | CATT | approved | S3-234055 | - |
| S3-234252 | Update clause 6.6.4 | ZTE Corporation | approved | S3-233704 | - |
| S3-234253 | 4.25 - Update to 5G ProSe UE-to-UE Discovery Model A - small correction | Philips International B.V. | approved | S3-233586 | - |
| S3-234254 | 4.25 - Update to 5G ProSe UE-to-UE Discovery Model B - small correction | Philips International B.V. | approved | S3-233587 | - |
| S3-234255 | Update to the UE-to-UE Relay Discvoery with Model A procedure | Beijing Xiaomi Mobile Software | approved | S3-234105 | - |
| S3-234256 | EEC authentication and authentication method negotiation | Ericsson | approved | S3-233984 | - |
| S3-234257 | Detailed protection information of U2U relay discovery | CATT | approved | S3-234064 | - |
| S3-234258 | Update to the security procedure for UE-to-UE Relay communication without network assistance | Beijing Xiaomi Mobile Software | approved | S3-234104 | - |
| S3-234259 | Selection methods between mechanisms with or without network assistance | China Telecom Corporation Ltd.,Huawei, HiSilicon, Interdigital, Philips, Ericsson | approved | S3-233674 | - |
| S3-234260 | Correction on GPSI verification | Ericsson | withdrawn | - | - |
| S3-234261 | Update to clause 7 in ProSe living doc | Samsung | approved | S3-234043 | - |
| S3-234262 | 33.533: Terms and Abbreviations | Xiaomi Technology | approved | S3-234073 | - |
| S3-234263 | Draft TS 33.533 | Xiaomi | approved | - | - |
| S3-234264 | 33.533: Functional Entity of SLPKMF | Xiaomi Technology | approved | S3-234074 | - |
| S3-234265 | Adding discovery security procedures for V2X capable UEs | Qualcomm Incorporated | approved | S3-233883 | - |
| S3-234266 | 33.533: Procedure of UE Role Authorization | Xiaomi Technology | revised | S3-234078 | S3-234356 |
| S3-234267 | LS on the user consent for trace reporting S3-223162 | Ericsson | approved | S3-233940 | - |
| S3-234268 | 33.533: update to the procedure for authorization of AF/5GCNF for Ranging/SL Positioning service exposure | Beijing Xiaomi Mobile Software | withdrawn | - | - |
| S3-234269 | 33.533: remove the EN related to the privacy profile | Beijing Xiaomi Mobile Software | approved | S3-234093 | - |
| S3-234270 | LS on privacy profile | Xiaomi | approved | - | - |
| S3-234271 | 33.533: Procedure of Privacy Verification for UE-only Operation | Xiaomi Technology | approved | S3-234084 | - |
| S3-234272 | 33.533: Security Procedure for Unicast Communication without Long-term Credential | Xiaomi Technology | approved | S3-234085 | - |
| S3-234273 | 33.533: Security for Communication between the UE and LMF | Xiaomi Technology | approved | S3-234079 | - |
| S3-234274 | Correction of authorization between SEPP and network functions | Huawei, HiSilicon | withdrawn | - | - |
| S3-234275 | NSWO support in SNPN without CH and with CH using AUSF/UDM | Ericsson | agreed | S3-233927 | - |
| S3-234276 | Clarification about selection of security mechanisms in path switching for U2N relay | Huawei, HiSilicon | approved | S3-233749 | - |
| S3-234277 | Clarification on discovery of PKMF of Relay UE by the SMF in remote UE report procedure | Huawei, HiSilicon | agreed | S3-233759 | - |
| S3-234278 | Secuity requirement for groupcast and broadcat communication | OPPO | approved | S3-233834 | - |
| S3-234279 | Adding one-to-many communication security in SL positioning draft CR | Qualcomm Incorporated | approved | S3-233882 | - |
| S3-234280 | Rely LS on AKMA service restrictions in Rel-17 | China Mobile | withdrawn | - | - |
| S3-234281 | Link KAF refresh to KAKMA refresh | Huawei, HiSilicon, China Mobile | agreed | S3-233752 | - |
| S3-234282 | living CR for eNA | China Mobile | approved | S3-233950 | - |
| S3-234283 | Procedure for protection of analytics exchange in roaming case | China Mobile | approved | S3-233946 | - |
| S3-234284 | Updates on clause 13 for eNA analytics roaming | China Mobile | approved | S3-233947 | - |
| S3-234285 | Procedure for protection of data exchange in roaming case | China Mobile | withdrawn | - | - |
| S3-234286 | pCR on Living draft CR WID eNA\_Ph3\_FL\_Authorization - diagram | Nokia, Nokia Shanghai Bell | approved | S3-233667 | - |
| S3-234287 | pCR on Living draft CR WID eNA\_Ph3\_FL\_Authorization | Nokia, Nokia Shanghai Bell | approved | S3-233666 | - |
| S3-234288 | Clarify the Allowed NF list and resolve EN in Model authorizaion procedure | Huawei, HiSilicon | approved | S3-233727 | - |
| S3-234289 | Security for AIML model storage and sharing | China Mobile | approved | S3-233951 | - |
| S3-234290 | NSWO support in SNPN using CH with AAA server | CableLabs, Charter Communications | not pursued | S3-233669 | - |
| S3-234291 | LS on NSWO support in SNPN using CH AAA server | CableLabs | approved | S3-233670 | - |
| S3-234292 | Resolution of editor notes related to the temporary identifier used during trusted non-3GPP access. | Nokia, Nokia Shanghai Bell | agreed | S3-233969 | - |
| S3-234293 | Resolution of editor notes related to selection of authentication method. | Nokia, Nokia Shanghai Bell | agreed | S3-233970 | - |
| S3-234294 | User consent parameters extension based on user cosent for roaming requirements | Huawei, HiSilicon | withdrawn | - | - |
| S3-234295 | Security handling in network sharing scenario | Qualcomm Incorporated | agreed | S3-233874 | - |
| S3-234296 | LS on 5G roaming | Nokia, Nokia Shanghai Bell | approved | S3-233784 | - |
| S3-234297 | pCR to draft CR on SNAAPPY - editorials | NTT DOCOMO INC. | approved | S3-234129 | - |
| S3-234298 | pCR to draft CR on SNAAPPY - adding oauth flows | NTT DOCOMO INC. | approved | S3-234130 | - |
| S3-234299 | pCR to DraftCR SNAAPPY Security requirements on CAPIF-8 | Nokia, Nokia Shanghai Bell | approved | S3-233789 | - |
| S3-234300 | baseline SNAAPPY draft CR to 33.122 | NTT DOCOMO INC. | revised | S3-234128 | - |
| S3-234301 | Cleanup of 33737 | China Mobile | agreed | S3-233954 | - |
| S3-234302 | Clean up of TR 33.738 | China Mobile | agreed | S3-233968 | - |
| S3-234303 | Clean Up for TR 33.740 | CATT | agreed | - | - |
| S3-234304 | Editorial cleanups | Nokia, Nokia Shanghai Bell | agreed | S3-233797 | - |
| S3-234305 | Reply LS on Handling of SoR counter and the UE parameter update counter in NVM | THALES | withdrawn | - | - |
| S3-234306 | Reply LS on Authentication Result Removal | Ericsson | withdrawn | - | - |
| S3-234307 | Reply LS on Retrieving keys for decryption of protected Ies for U2N relay | Qualcomm Incorporated | withdrawn | - | - |
| S3-234308 | Reply LS on user consent for UE location sharing (S6-230351) | Apple | approved | S3-233823 | - |
| S3-234309 | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network (S6-231061) | Apple | approved | S3-233822 | - |
| S3-234310 | Reply LS on LI for AKMA in roaming | China Mobile | withdrawn | - | - |
| S3-234311 | Alternative Cr 33.122 CAPIF Vendor specific security methods | Nokia, Nokia Shanghai Bell, Samsung, MITRE | approved | S3-234070 | - |
| S3-234312 | CR to 33.122 CAPIF Vendor specific security methods | Nokia, Nokia Shanghai Bell, Samsung, AT&T | agreed | S3-233788 | - |
| S3-234313 | Certificate Management for 5GC NFs | Nokia | agreed | - | - |
| S3-234314 | SERP CR to TS 33.501 on the Protection of the RRC Resume Request message | Ericsson, Apple, Huawei, HiSilicon | not pursued | S3-234032 | - |
| S3-234315 | Guidance on mitigating privacy risk of variable length NAI based SUPIs | Qualcomm Incorporated | withdrawn | - | - |
| S3-234316 | Conclusion for KI#1 | Lenovo, AT&T, Broadcom, CableLabs, CATT, Charter, China Mobile, China Telecom, Deutsche Telekom, Intel, LG Electronics, Motorola Solutions MSI, NEC, Nokia, Nokia Shanghai Bell, Samsung, Verizon, Xiaomi | approved | S3-234037 | - |
| S3-234317 | Draft TR 33.892 | Lenovo | approved | - | - |
| S3-234318 | Draft TR 33.894 | Lenovo | approved | - | - |
| S3-234319 | Modification of PRINS to enable Roaming Hubs | Vodafone, TIM, DoCoMo | approved | S3-233554 | - |
| S3-234320 | Resolving EN of Conclusion of KI#2.6 | Huawei, HiSilicon | approved | S3-233837 | - |
| S3-234321 | Coclusions for KI#2.7 | Huawei, HiSilicon | approved | S3-233771 | - |
| S3-234322 | Resolving ENs in solution #28 | Ericsson | approved | S3-233981 | - |
| S3-234323 | TR 33.739 EN Cleanup | Huawei, HiSilicon | approved | S3-233843 | - |
| S3-234324 | Cover sheet TR 33.739 | Huawei, HiSilicon | approved | S3-233844 | - |
| S3-234325 | Linking the gNB and split gNB specifications | Qualcomm Incorporated | agreed | S3-234131 | - |
| S3-234326 | AMF redirection to EPS remove CIoT precondition | Keysight Technologies | agreed | S3-233541 | - |
| S3-234327 | Adding the missing Xn-U interface | Qualcomm Incorporated | agreed | S3-233858 | - |
| S3-234328 | IETF OSCORE as GBA Ua protocol | Ericsson, THALES, Xiaomi | agreed | - | - |
| S3-234329 | Removal of the roaming restriction for Rel-17 | Huawei, HiSilicon | withdrawn | - | - |
| S3-234330 | LS to SA6 on SEAL key management provisioning procedure | Motorola | approved | - | - |
| S3-234331 | 5G\_ProSe\_Ph2 security enhancement | CATT | agreed | - | - |
| S3-234332 | New WID on 5G Security Assurance Specification (SCAS) for the Unified Data Repository (UDR) | BSI (DE) | agreed | S3-233548 | - |
| S3-234333 | New WID on 5G Security Assurance Specification (SCAS) for the Short Message Service Function (SMSF) | IIT Bombay | agreed | S3-233827 | - |
| S3-234334 | New WID on Addition of 256-bit security Algorithms | Nokia, Nokia Shanghai Bell | agreed | S3-233712 | - |
| S3-234335 | Identity privacy for L3 U2U Relay | InterDigital, Europe, Ltd. | approved | S3-233580 | - |
| S3-234336 | Identity privacy for L2 U2U Relay | InterDigital, Europe, Ltd. | approved | S3-233581 | - |
| S3-234337 | CR on security aspects of NG RTC | Huawei | agreed | - | - |
| S3-234338 | Add the 5G PKMF service operation | Xiaomi | agreed | S3-234098 | - |
| S3-234339 | Updating security procedure for U2U relay discovery with model A in ProSe draft CR | Qualcomm Incorporated | approved | S3-233875 | - |
| S3-234340 | Updating security procedure for U2U relay discovery with model B in ProSe draft CR | Qualcomm Incorporated | approved | S3-233876 | - |
| S3-234341 | Resolve ENs of security with network assistance in the 5G\_ProSe\_Ph2 living doc | Ericsson, China Telecom | approved | S3-233906 | - |
| S3-234342 | 33.533: Update of Reference Points | Xiaomi Technology | approved | S3-234075 | - |
| S3-234343 | 33.533: Common Security | Xiaomi Technology | approved | S3-234076 | - |
| S3-234344 | Removal of the editor’s note on MT-LR procedure | Huawei, HiSilicon | approved | S3-233722 | - |
| S3-234345 | Authorization for the SL Positioning Client UE | Huawei, HiSilicon | approved | S3-233718 | - |
| S3-234346 | Living document for UAS draft CR | Qualcomm Incorporated | approved | S3-233864 | - |
| S3-234347 | Adding the security aspects of Rel-18 UAS features | Qualcomm Incorporated | agreed | - | - |
| S3-234348 | Presentation of Specification/Report to TSG: TR 33.894 | Lenovo | approved | S3-234009 | - |
| S3-234349 | New WID on SCAS for Rel-18 features | Huawei, HiSilicon | agreed | S3-233751 | - |
| S3-234350 | LS on 5GSA roaming hub based roaming | Vodafone | approved | - | - |
| S3-234351 | Clarification on subscribe-notify | Nokia, Nokia Shanghai Bell | agreed | S3-233793 | - |
| S3-234352 | SCP to include 3gpp-Sbi-Originating-Network-Id header | Nokia, Nokia Shanghai Bell | agreed | S3-233794 | - |
| S3-234353 | [IAB][Rel-17] IAB inter-CU topology adaptation procedure | Samsung, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | agreed | S3-234014 | - |
| S3-234354 | [IAB][Rel-18] IAB inter-CU topology adaptation procedure | Samsung, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | agreed | S3-234018 | - |
| S3-234355 | Security aspects of enablers for Network Automation for 5G | China Mobile | agreed | - | - |
| S3-234356 | 33.533: Procedure of UE Role Authorization | Xiaomi Technology | approved | S3-234266 | - |
| S3-234357 | 33.533: Requriement for UE Authorization during Communication | Xiaomi Technology | approved | S3-234080 | - |
| S3-234358 | 33.533: Security related services | Beijing Xiaomi Mobile Software | approved | S3-234094 | - |
| S3-234359 | Cover sheet TS 33.533 | Xiaomi | approved | - | - |
| S3-234360 | CR on security for resource owner aware northbound access to APIs | NTT DOCOMO INC. | agreed | - | - |
| S3-234361 | TR 33.892 cover | Lenovo | approved | S3-234048 | - |

### A2: Tdoc decision timing

|  |  |  |
| --- | --- | --- |
| Document | Date/time UTC | Decision |
| S3-233500 | 14/08/2023 07:17:02 | approved |
| S3-233501 | 14/08/2023 07:18:00 | approved |
| S3-233502 | 14/08/2023 07:17:58 | noted |
| S3-233503 | 11/08/2023 13:00:53 | available |
| S3-233504 | 18/08/2023 13:08:36 | noted |
| S3-233505 | 14/08/2023 07:18:14 | noted |
| S3-233506 | 18/08/2023 08:00:28 | postponed |
| S3-233507 | 18/08/2023 08:05:10 | noted |
| S3-233507 | 18/08/2023 08:05:44 | postponed |
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| S3-233511 | 18/08/2023 08:03:43 | postponed |
| S3-233512 | 14/08/2023 09:15:32 | postponed |
| S3-233513 | 14/08/2023 09:20:39 | available |
| S3-233514 | 18/08/2023 08:07:06 | postponed |
| S3-233515 | 14/08/2023 12:06:44 | noted |
| S3-233516 | 14/08/2023 09:47:32 | noted |
| S3-233517 | 14/08/2023 12:06:19 | noted |
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| S3-233523 | 14/08/2023 12:06:34 | noted |
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| S3-233530 | 14/08/2023 12:07:02 | noted |
| S3-233531 | 14/08/2023 10:44:36 | noted |
| S3-233532 | 14/08/2023 10:44:42 | noted |
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| S3-233758 | 15/08/2023 16:17:00 | available |
| S3-233759 | 16/08/2023 12:00:48 | revised |
| S3-233760 | 17/08/2023 09:09:23 | noted |
| S3-233761 | 17/08/2023 09:09:49 | noted |
| S3-233762 | 16/08/2023 14:00:31 | available |
| S3-233763 | 17/08/2023 13:25:41 | revised |
| S3-233764 | 18/08/2023 08:10:46 | noted |
| S3-233765 | 18/08/2023 12:52:02 | available |
| S3-233766 | 15/08/2023 17:06:47 | available |
| S3-233767 | 15/08/2023 16:22:13 | revised |
| S3-233768 | 17/08/2023 09:09:50 | noted |
| S3-233769 | 17/08/2023 12:49:41 | noted |
| S3-233770 | 17/08/2023 12:49:48 | noted |
| S3-233771 | 17/08/2023 12:48:13 | revised |
| S3-233772 | 15/08/2023 09:11:25 | revised |
| S3-233773 | 15/08/2023 16:56:41 | agreed |
| S3-233774 | 15/08/2023 16:56:41 | agreed |
| S3-233775 | 15/08/2023 16:56:53 | agreed |
| S3-233776 | 15/08/2023 11:57:15 | revised |
| S3-233777 | 15/08/2023 11:57:31 | revised |
| S3-233778 | 15/08/2023 11:58:02 | available |
| S3-233779 | 14/08/2023 17:09:35 | noted |
| S3-233780 | 15/08/2023 12:28:23 | revised |
| S3-233781 | 14/08/2023 09:25:46 | revised |
| S3-233781 | 18/08/2023 08:15:35 | noted |
| S3-233782 | 17/08/2023 08:15:31 | noted |
| S3-233783 | 15/08/2023 15:58:43 | revised |
| S3-233784 | 16/08/2023 14:26:51 | revised |
| S3-233785 | 16/08/2023 14:27:24 | noted |
| S3-233786 | 14/08/2023 12:13:52 | approved |
| S3-233787 | 14/08/2023 09:10:02 | revised |
| S3-233788 | 17/08/2023 09:33:27 | revised |
| S3-233789 | 16/08/2023 15:00:05 | revised |
| S3-233790 | 16/08/2023 14:50:58 | noted |
| S3-233791 | 16/08/2023 14:52:18 | available |
| S3-233792 | 17/08/2023 14:08:24 | available |
| S3-233793 | 18/08/2023 09:34:26 | revised |
| S3-233794 | 18/08/2023 09:35:29 | revised |
| S3-233795 | 15/08/2023 12:42:07 | available |
| S3-233796 | 15/08/2023 12:42:10 | available |
| S3-233797 | 17/08/2023 07:19:51 | revised |
| S3-233798 | 17/08/2023 07:20:49 | agreed |
| S3-233799 | 17/08/2023 07:21:50 | agreed |
| S3-233800 | 17/08/2023 07:23:26 | agreed |
| S3-233801 | 17/08/2023 07:23:46 | agreed |
| S3-233802 | 17/08/2023 07:24:42 | agreed |
| S3-233803 | 15/08/2023 07:58:20 | revised |
| S3-233804 | 15/08/2023 07:37:06 | revised |
| S3-233805 | 17/08/2023 07:10:33 | agreed |
| S3-233806 | 18/08/2023 12:52:07 | available |
| S3-233806 | 18/08/2023 13:01:13 | not treated |
| S3-233806 | 18/08/2023 13:01:37 | available |
| S3-233807 | 18/08/2023 12:52:10 | available |
| S3-233807 | 18/08/2023 13:02:28 | noted |
| S3-233808 | 14/08/2023 12:43:44 | available |
| S3-233809 | 15/08/2023 14:13:40 | revised |
| S3-233810 | 15/08/2023 14:13:58 | revised |
| S3-233811 | 18/08/2023 12:52:13 | available |
| S3-233812 | 18/08/2023 12:52:16 | available |
| S3-233813 | 17/08/2023 10:22:04 | noted |
| S3-233814 | 17/08/2023 10:22:02 | noted |
| S3-233815 | 17/08/2023 10:21:58 | noted |
| S3-233816 | 15/08/2023 12:58:32 | available |
| S3-233817 | 18/08/2023 12:52:19 | available |
| S3-233818 | 18/08/2023 09:39:30 | noted |
| S3-233819 | 17/08/2023 09:37:39 | noted |
| S3-233820 | 17/08/2023 09:52:49 | available |
| S3-233821 | 14/08/2023 13:03:18 | revised |
| S3-233822 | 17/08/2023 08:00:04 | revised |
| S3-233823 | 17/08/2023 07:53:56 | revised |
| S3-233824 | 14/08/2023 07:49:52 | noted |
| S3-233825 | 14/08/2023 13:04:28 | revised |
| S3-233827 | 17/08/2023 15:07:54 | revised |
| S3-233828 | 17/08/2023 13:10:12 | noted |
| S3-233829 | 18/08/2023 12:52:25 | available |
| S3-233830 | 14/08/2023 13:14:35 | available |
| S3-233831 | 15/08/2023 10:13:56 | available |
| S3-233832 | 15/08/2023 17:01:20 | available |
| S3-233833 | 15/08/2023 15:48:26 | revised |
| S3-233834 | 16/08/2023 12:22:51 | revised |
| S3-233835 | 16/08/2023 12:27:48 | available |
| S3-233836 | 15/08/2023 15:48:30 | revised |
| S3-233837 | 17/08/2023 12:45:04 | revised |
| S3-233838 | 15/08/2023 09:31:20 | available |
| S3-233838 | 17/08/2023 12:46:33 | noted |
| S3-233839 | 16/08/2023 10:39:21 | revised |
| S3-233840 | 18/08/2023 07:44:02 | noted |
| S3-233841 | 15/08/2023 10:28:50 | revised |
| S3-233842 | 15/08/2023 10:29:01 | revised |
| S3-233843 | 17/08/2023 12:54:44 | revised |
| S3-233844 | 17/08/2023 12:55:05 | revised |
| S3-233845 | 15/08/2023 10:29:14 | revised |
| S3-233846 | 15/08/2023 10:29:20 | revised |
| S3-233847 | 18/08/2023 09:38:56 | available |
| S3-233848 | 16/08/2023 08:28:09 | noted |
| S3-233849 | 16/08/2023 08:29:23 | noted |
| S3-233850 | 18/08/2023 06:50:27 | noted |
| S3-233851 | 14/08/2023 08:09:16 | revised |
| S3-233852 | 15/08/2023 16:27:21 | revised |
| S3-233853 | 16/08/2023 14:08:10 | approved |
| S3-233854 | 15/08/2023 16:04:25 | agreed |
| S3-233855 | 15/08/2023 16:04:26 | agreed |
| S3-233857 | 15/08/2023 16:04:30 | agreed |
| S3-233858 | 17/08/2023 13:07:21 | revised |
| S3-233859 | 15/08/2023 16:06:29 | available |
| S3-233860 | 15/08/2023 16:06:32 | available |
| S3-233861 | 15/08/2023 16:06:55 | revised |
| S3-233862 | 15/08/2023 16:57:09 | agreed |
| S3-233863 | 15/08/2023 12:53:55 | agreed |
| S3-233864 | 18/08/2023 07:50:47 | revised |
| S3-233865 | 15/08/2023 13:19:38 | revised |
| S3-233866 | 18/08/2023 07:49:01 | noted |
| S3-233867 | 15/08/2023 13:14:06 | noted |
| S3-233868 | 15/08/2023 16:59:00 | available |
| S3-233869 | 14/08/2023 13:24:24 | noted |
| S3-233870 | 18/08/2023 09:41:50 | available |
| S3-233871 | 14/08/2023 13:10:03 | noted |
| S3-233872 | 14/08/2023 13:14:46 | noted |
| S3-233873 | 18/08/2023 09:44:53 | available |
| S3-233874 | 16/08/2023 14:13:31 | revised |
| S3-233875 | 18/08/2023 06:34:50 | revised |
| S3-233876 | 18/08/2023 06:37:17 | revised |
| S3-233877 | 16/08/2023 07:31:10 | available |
| S3-233878 | 18/08/2023 06:43:38 | noted |
| S3-233879 | 17/08/2023 07:48:33 | revised |
| S3-233879 | 18/08/2023 08:06:18 | noted |
| S3-233880 | 16/08/2023 06:45:50 | approved |
| S3-233881 | 18/08/2023 06:42:32 | noted |
| S3-233882 | 16/08/2023 12:24:45 | available |
| S3-233882 | 16/08/2023 12:26:29 | revised |
| S3-233883 | 16/08/2023 09:33:13 | revised |
| S3-233884 | 16/08/2023 09:35:36 | approved |
| S3-233885 | 15/08/2023 16:54:22 | available |
| S3-233886 | 15/08/2023 08:00:09 | noted |
| S3-233887 | 15/08/2023 16:48:15 | available |
| S3-233888 | 15/08/2023 16:48:09 | noted |
| S3-233889 | 17/08/2023 10:22:01 | noted |
| S3-233890 | 17/08/2023 10:21:57 | noted |
| S3-233891 | 14/08/2023 07:48:47 | noted |
| S3-233892 | 17/08/2023 09:58:57 | available |
| S3-233893 | 17/08/2023 09:59:00 | available |
| S3-233894 | 17/08/2023 10:00:43 | revised |
| S3-233895 | 17/08/2023 13:09:55 | noted |
| S3-233896 | 16/08/2023 14:09:50 | approved |
| S3-233898 | 18/08/2023 12:52:28 | available |
| S3-233899 | 18/08/2023 12:52:31 | available |
| S3-233900 | 18/08/2023 12:52:35 | available |
| S3-233901 | 18/08/2023 12:52:37 | available |
| S3-233902 | 15/08/2023 16:13:41 | revised |
| S3-233903 | 18/08/2023 08:06:32 | available |
| S3-233904 | 18/08/2023 08:06:45 | noted |
| S3-233905 | 16/08/2023 06:12:23 | approved |
| S3-233906 | 18/08/2023 06:39:49 | revised |
| S3-233907 | 18/08/2023 06:44:13 | noted |
| S3-233908 | 18/08/2023 06:29:14 | noted |
| S3-233909 | 18/08/2023 06:29:26 | available |
| S3-233910 | 17/08/2023 13:29:31 | available |
| S3-233911 | 15/08/2023 16:10:34 | revised |
| S3-233912 | 15/08/2023 17:00:43 | available |
| S3-233913 | 15/08/2023 17:00:46 | available |
| S3-233914 | 15/08/2023 17:00:55 | agreed |
| S3-233915 | 16/08/2023 09:33:39 | available |
| S3-233916 | 15/08/2023 16:14:17 | revised |
| S3-233917 | 14/08/2023 14:18:05 | agreed |
| S3-233918 | 14/08/2023 14:18:39 | noted |
| S3-233919 | 17/08/2023 10:03:34 | available |
| S3-233920 | 17/08/2023 10:03:37 | available |
| S3-233921 | 14/08/2023 14:29:06 | revised |
| S3-233922 | 14/08/2023 14:29:43 | revised |
| S3-233923 | 18/08/2023 07:11:25 | noted |
| S3-233924 | 16/08/2023 14:41:44 | available |
| S3-233924 | 16/08/2023 14:42:20 | noted |
| S3-233925 | 16/08/2023 14:09:43 | available |
| S3-233926 | 16/08/2023 14:10:01 | noted |
| S3-233927 | 16/08/2023 10:39:46 | revised |
| S3-233928 | 16/08/2023 14:12:25 | available |
| S3-233929 | 15/08/2023 17:01:47 | available |
| S3-233930 | 15/08/2023 16:59:27 | available |
| S3-233931 | 18/08/2023 07:11:28 | noted |
| S3-233932 | 16/08/2023 14:41:32 | revised |
| S3-233932 | 16/08/2023 14:43:05 | approved |
| S3-233933 | 15/08/2023 07:58:26 | available |
| S3-233934 | 15/08/2023 14:34:51 | revised |
| S3-233935 | 15/08/2023 16:54:29 | available |
| S3-233936 | 18/08/2023 12:52:41 | available |
| S3-233937 | 17/08/2023 09:52:53 | available |
| S3-233938 | 17/08/2023 13:09:58 | noted |
| S3-233939 | 17/08/2023 13:09:53 | noted |
| S3-233940 | 16/08/2023 09:42:16 | revised |
| S3-233941 | 15/08/2023 12:52:18 | agreed |
| S3-233942 | 15/08/2023 12:15:28 | revised |
| S3-233943 | 18/08/2023 07:03:46 | available |
| S3-233945 | 16/08/2023 14:08:29 | revised |
| S3-233945 | 18/08/2023 07:08:08 | noted |
| S3-233946 | 16/08/2023 14:08:17 | revised |
| S3-233947 | 16/08/2023 14:08:25 | revised |
| S3-233948 | 16/08/2023 14:09:08 | available |
| S3-233949 | 18/08/2023 12:52:43 | available |
| S3-233950 | 16/08/2023 14:08:04 | revised |
| S3-233951 | 16/08/2023 14:10:46 | revised |
| S3-233952 | 17/08/2023 08:06:23 | revised |
| S3-233952 | 18/08/2023 08:11:34 | noted |
| S3-233953 | 16/08/2023 14:00:17 | revised |
| S3-233953 | 18/08/2023 08:09:56 | noted |
| S3-233954 | 17/08/2023 07:12:27 | revised |
| S3-233955 | 15/08/2023 16:03:44 | available |
| S3-233955 | 16/08/2023 14:06:37 | merged |
| S3-233955 | 16/08/2023 14:07:24 | revised |
| S3-233956 | 15/08/2023 16:41:23 | agreed |
| S3-233957 | 18/08/2023 12:52:46 | available |
| S3-233958 | 15/08/2023 12:45:28 | agreed |
| S3-233959 | 15/08/2023 12:45:29 | agreed |
| S3-233960 | 15/08/2023 12:45:29 | agreed |
| S3-233961 | 18/08/2023 12:52:49 | available |
| S3-233962 | 17/08/2023 13:10:06 | noted |
| S3-233963 | 17/08/2023 13:10:08 | noted |
| S3-233964 | 18/08/2023 12:56:59 | available |
| S3-233965 | 18/08/2023 12:57:01 | available |
| S3-233966 | 15/08/2023 07:56:53 | revised |
| S3-233967 | 14/08/2023 14:46:22 | revised |
| S3-233968 | 17/08/2023 07:13:50 | revised |
| S3-233969 | 16/08/2023 14:11:50 | revised |
| S3-233970 | 16/08/2023 14:12:12 | revised |
| S3-233971 | 18/08/2023 12:57:04 | available |
| S3-233972 | 16/08/2023 14:50:59 | noted |
| S3-233973 | 15/08/2023 07:49:36 | revised |
| S3-233973 | 17/08/2023 13:11:47 | noted |
| S3-233974 | 14/08/2023 15:03:20 | revised |
| S3-233975 | 14/08/2023 09:25:25 | noted |
| S3-233976 | 16/08/2023 14:52:22 | available |
| S3-233977 | 15/08/2023 10:28:16 | noted |
| S3-233978 | 15/08/2023 09:31:08 | revised |
| S3-233978 | 17/08/2023 12:47:32 | noted |
| S3-233979 | 17/08/2023 12:44:29 | noted |
| S3-233980 | 18/08/2023 07:44:03 | noted |
| S3-233981 | 17/08/2023 12:49:54 | noted |
| S3-233981 | 17/08/2023 12:51:03 | revised |
| S3-233982 | 17/08/2023 12:48:59 | available |
| S3-233983 | 18/08/2023 07:44:04 | noted |
| S3-233984 | 16/08/2023 06:32:09 | revised |
| S3-233985 | 16/08/2023 08:15:44 | revised |
| S3-233985 | 18/08/2023 07:41:02 | noted |
| S3-233986 | 15/08/2023 10:06:17 | noted |
| S3-233987 | 14/08/2023 15:07:56 | revised |
| S3-233988 | 14/08/2023 15:08:38 | available |
| S3-233989 | 15/08/2023 13:20:46 | revised |
| S3-233990 | 17/08/2023 12:50:06 | noted |
| S3-233991 | 17/08/2023 12:53:03 | noted |
| S3-233992 | 17/08/2023 12:53:08 | noted |
| S3-233993 | 17/08/2023 12:53:13 | noted |
| S3-233995 | 15/08/2023 13:21:32 | revised |
| S3-233996 | 17/08/2023 12:53:19 | noted |
| S3-233997 | 17/08/2023 12:53:24 | noted |
| S3-233998 | 15/08/2023 13:21:35 | revised |
| S3-233999 | 17/08/2023 12:49:03 | available |
| S3-234000 | 15/08/2023 11:56:38 | revised |
| S3-234001 | 15/08/2023 10:09:45 | noted |
| S3-234002 | 15/08/2023 11:56:50 | revised |
| S3-234003 | 15/08/2023 10:13:38 | revised |
| S3-234004 | 18/08/2023 07:44:05 | noted |
| S3-234005 | 15/08/2023 11:58:14 | revised |
| S3-234006 | 15/08/2023 16:23:39 | revised |
| S3-234007 | 15/08/2023 11:57:51 | revised |
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| S3-234009 | 17/08/2023 10:31:10 | approved |
| S3-234009 | 18/08/2023 07:55:53 | revised |
| S3-234010 | 16/08/2023 14:13:51 | available |
| S3-234011 | 18/08/2023 12:57:06 | available |
| S3-234013 | 14/08/2023 17:36:46 | revised |
| S3-234013 | 18/08/2023 13:00:51 | noted |
| S3-234014 | 18/08/2023 09:43:13 | revised |
| S3-234015 | 15/08/2023 15:59:28 | noted |
| S3-234017 | 16/08/2023 14:36:02 | noted |
| S3-234018 | 18/08/2023 09:44:18 | revised |
| S3-234019 | 18/08/2023 06:44:34 | noted |
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| S3-234021 | 16/08/2023 14:34:38 | available |
| S3-234022 | 18/08/2023 12:57:15 | available |
| S3-234023 | 15/08/2023 14:09:21 | agreed |
| S3-234024 | 15/08/2023 16:59:04 | available |
| S3-234025 | 17/08/2023 07:47:24 | revised |
| S3-234025 | 18/08/2023 08:04:47 | noted |
| S3-234026 | 15/08/2023 16:14:47 | revised |
| S3-234027 | 15/08/2023 16:15:22 | revised |
| S3-234028 | 18/08/2023 09:53:35 | agreed |
| S3-234029 | 18/08/2023 09:53:30 | available |
| S3-234030 | 15/08/2023 16:09:12 | revised |
| S3-234031 | 18/08/2023 09:58:08 | revised |
| S3-234031 | 18/08/2023 09:58:26 | noted |
| S3-234032 | 17/08/2023 09:43:41 | revised |
| S3-234033 | 15/08/2023 16:25:20 | revised |
| S3-234034 | 15/08/2023 16:25:32 | revised |
| S3-234035 | 15/08/2023 13:17:34 | revised |
| S3-234036 | 18/08/2023 06:37:53 | noted |
| S3-234037 | 17/08/2023 10:19:19 | revised |
| S3-234038 | 15/08/2023 13:17:05 | revised |
| S3-234039 | 16/08/2023 08:21:09 | approved |
| S3-234040 | 17/08/2023 13:10:03 | noted |
| S3-234042 | 17/08/2023 10:12:02 | available |
| S3-234043 | 16/08/2023 08:21:19 | approved |
| S3-234043 | 16/08/2023 08:24:44 | revised |
| S3-234044 | 15/08/2023 16:27:57 | revised |
| S3-234045 | 18/08/2023 12:57:18 | available |
| S3-234046 | 16/08/2023 14:50:32 | available |
| S3-234046 | 16/08/2023 15:03:34 | merged |
| S3-234046 | 16/08/2023 15:04:47 | available |
| S3-234047 | 17/08/2023 07:16:55 | approved |
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| S3-234048 | 18/08/2023 11:43:00 | approved |
| S3-234048 | 18/08/2023 11:43:20 | revised |
| S3-234049 | 16/08/2023 14:52:33 | available |
| S3-234050 | 18/08/2023 12:57:23 | available |
| S3-234051 | 16/08/2023 14:53:29 | available |
| S3-234052 | 18/08/2023 12:57:26 | available |
| S3-234053 | 18/08/2023 10:27:55 | available |
| S3-234054 | 14/08/2023 09:20:29 | revised |
| S3-234055 | 16/08/2023 06:09:39 | revised |
| S3-234056 | 14/08/2023 09:42:43 | revised |
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| S3-234058 | 16/08/2023 07:30:35 | noted |
| S3-234059 | 18/08/2023 06:35:12 | available |
| S3-234060 | 17/08/2023 12:53:31 | noted |
| S3-234061 | 17/08/2023 08:08:33 | noted |
| S3-234062 | 18/08/2023 06:45:14 | noted |
| S3-234063 | 14/08/2023 07:48:53 | noted |
| S3-234064 | 16/08/2023 06:43:37 | revised |
| S3-234065 | 16/08/2023 12:24:17 | available |
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| S3-234066 | 18/08/2023 08:00:48 | noted |
| S3-234067 | 18/08/2023 12:57:28 | available |
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| S3-234072 | 15/08/2023 16:31:24 | noted |
| S3-234073 | 16/08/2023 09:07:11 | revised |
| S3-234074 | 16/08/2023 09:12:00 | revised |
| S3-234075 | 18/08/2023 06:54:15 | revised |
| S3-234076 | 18/08/2023 06:55:35 | revised |
| S3-234077 | 16/08/2023 09:34:25 | noted |
| S3-234078 | 16/08/2023 09:39:18 | revised |
| S3-234079 | 16/08/2023 10:24:28 | revised |
| S3-234080 | 18/08/2023 10:19:01 | revised |
| S3-234081 | 18/08/2023 07:04:31 | available |
| S3-234082 | 16/08/2023 10:07:03 | noted |
| S3-234083 | 18/08/2023 07:04:37 | available |
| S3-234084 | 16/08/2023 10:13:27 | revised |
| S3-234085 | 16/08/2023 10:20:26 | revised |
| S3-234086 | 16/08/2023 12:23:37 | available |
| S3-234087 | 16/08/2023 12:28:07 | available |
| S3-234088 | 16/08/2023 12:28:18 | available |
| S3-234089 | 18/08/2023 12:57:33 | available |
| S3-234090 | 18/08/2023 12:57:37 | available |
| S3-234091 | 18/08/2023 12:57:39 | available |
| S3-234092 | 16/08/2023 09:51:23 | revised |
| S3-234092 | 18/08/2023 07:01:56 | noted |
| S3-234093 | 16/08/2023 09:54:14 | revised |
| S3-234094 | 18/08/2023 10:21:11 | revised |
| S3-234095 | 18/08/2023 08:07:30 | noted |
| S3-234096 | 18/08/2023 08:05:57 | noted |
| S3-234097 | 18/08/2023 06:27:45 | available |
| S3-234098 | 18/08/2023 06:28:50 | revised |
| S3-234099 | 15/08/2023 17:01:41 | available |
| S3-234100 | 17/08/2023 13:27:55 | noted |
| S3-234101 | 17/08/2023 13:28:24 | available |
| S3-234102 | 17/08/2023 13:28:28 | available |
| S3-234103 | 18/08/2023 06:40:23 | noted |
| S3-234104 | 16/08/2023 07:19:31 | revised |
| S3-234105 | 16/08/2023 06:22:02 | revised |
| S3-234106 | 18/08/2023 06:44:22 | noted |
| S3-234107 | 15/08/2023 17:02:56 | available |
| S3-234108 | 15/08/2023 17:02:51 | available |
| S3-234109 | 15/08/2023 17:02:45 | available |
| S3-234110 | 17/08/2023 12:49:09 | available |
| S3-234111 | 17/08/2023 12:53:43 | noted |
| S3-234112 | 15/08/2023 10:14:38 | available |
| S3-234113 | 16/08/2023 10:40:04 | available |
| S3-234113 | 16/08/2023 14:47:22 | noted |
| S3-234114 | 16/08/2023 14:11:20 | available |
| S3-234115 | 16/08/2023 14:12:56 | available |
| S3-234116 | 14/08/2023 14:29:16 | available |
| S3-234117 | 14/08/2023 14:29:51 | available |
| S3-234118 | 16/08/2023 14:53:38 | available |
| S3-234119 | 18/08/2023 10:28:02 | available |
| S3-234120 | 16/08/2023 14:53:16 | available |
| S3-234121 | 16/08/2023 14:52:34 | available |
| S3-234122 | 18/08/2023 10:26:50 | noted |
| S3-234123 | 16/08/2023 14:52:35 | available |
| S3-234124 | 18/08/2023 10:26:32 | available |
| S3-234125 | 16/08/2023 14:53:01 | available |
| S3-234126 | 16/08/2023 14:53:20 | available |
| S3-234127 | 16/08/2023 08:25:39 | approved |
| S3-234128 | 16/08/2023 15:01:45 | revised |
| S3-234129 | 16/08/2023 14:50:04 | revised |
| S3-234130 | 16/08/2023 14:51:16 | revised |
| S3-234131 | 15/08/2023 16:04:34 | agreed |
| S3-234131 | 17/08/2023 12:58:45 | revised |
| S3-234132 | 14/08/2023 10:11:43 | available |
| S3-234133 | 14/08/2023 16:06:51 | postponed |
| S3-234134 | 14/08/2023 10:22:15 | noted |
| S3-234135 | 14/08/2023 16:13:12 | postponed |
| S3-234136 | 14/08/2023 10:11:13 | revised |
| S3-234137 | 18/08/2023 12:57:42 | available |
| S3-234139 | 18/08/2023 12:57:45 | available |
| S3-234140 | 14/08/2023 07:16:56 | noted |
| S3-234140 | 14/08/2023 17:33:07 | revised |
| S3-234141 | 14/08/2023 10:01:35 | withdrawn |
| S3-234142 | 14/08/2023 10:01:35 | withdrawn |
| S3-234143 | 14/08/2023 10:01:36 | withdrawn |
| S3-234144 | 14/08/2023 10:01:38 | withdrawn |
| S3-234145 | 14/08/2023 10:01:39 | withdrawn |
| S3-234146 | 14/08/2023 10:01:40 | withdrawn |
| S3-234147 | 14/08/2023 10:01:41 | withdrawn |
| S3-234148 | 14/08/2023 10:01:42 | withdrawn |
| S3-234149 | 14/08/2023 10:01:44 | withdrawn |
| S3-234150 | 14/08/2023 10:01:45 | withdrawn |
| S3-234152 | 17/08/2023 07:30:16 | revised |
| S3-234153 | 17/08/2023 07:52:21 | approved |
| S3-234154 | 17/08/2023 08:07:58 | approved |
| S3-234155 | 17/08/2023 08:10:06 | approved |
| S3-234156 | 18/08/2023 08:15:29 | withdrawn |
| S3-234157 | 17/08/2023 08:17:37 | approved |
| S3-234158 | 18/08/2023 08:19:57 | approved |
| S3-234159 | 17/08/2023 08:20:05 | approved |
| S3-234160 | 17/08/2023 08:22:00 | approved |
| S3-234161 | 18/08/2023 09:38:19 | agreed |
| S3-234162 | 14/08/2023 13:03:33 | agreed |
| S3-234163 | 14/08/2023 15:13:17 | withdrawn |
| S3-234163 | 17/08/2023 07:30:17 | agreed |
| S3-234164 | 18/08/2023 09:50:20 | approved |
| S3-234165 | 15/08/2023 16:56:04 | agreed |
| S3-234166 | 15/08/2023 16:56:05 | agreed |
| S3-234167 | 15/08/2023 16:56:07 | agreed |
| S3-234168 | 17/08/2023 10:04:54 | agreed |
| S3-234169 | 17/08/2023 10:04:55 | agreed |
| S3-234170 | 17/08/2023 10:08:08 | agreed |
| S3-234171 | 18/08/2023 09:48:22 | withdrawn |
| S3-234172 | 17/08/2023 10:10:03 | withdrawn |
| S3-234173 | 17/08/2023 09:25:19 | approved |
| S3-234174 | 18/08/2023 09:32:48 | noted |
| S3-234175 | 18/08/2023 13:08:26 | noted |
| S3-234176 | 18/08/2023 13:00:46 | withdrawn |
| S3-234177 | 15/08/2023 06:16:59 | approved |
| S3-234178 | 15/08/2023 06:18:31 | approved |
| S3-234179 | 15/08/2023 06:19:17 | approved |
| S3-234180 | 15/08/2023 06:27:52 | approved |
| S3-234181 | 15/08/2023 06:42:33 | approved |
| S3-234182 | 18/08/2023 11:35:02 | reserved |
| S3-234182 | 18/08/2023 11:35:42 | approved |
| S3-234183 | 15/08/2023 06:45:41 | approved |
| S3-234184 | 17/08/2023 12:38:06 | approved |
| S3-234185 | 17/08/2023 12:36:15 | withdrawn |
| S3-234186 | 17/08/2023 13:11:32 | approved |
| S3-234187 | 17/08/2023 13:11:47 | withdrawn |
| S3-234187 | 17/08/2023 13:12:40 | noted |
| S3-234188 | 18/08/2023 11:36:33 | approved |
| S3-234189 | 17/08/2023 13:13:02 | approved |
| S3-234190 | 18/08/2023 11:37:19 | reserved |
| S3-234191 | 18/08/2023 09:48:59 | agreed |
| S3-234192 | 15/08/2023 09:11:51 | approved |
| S3-234193 | 18/08/2023 11:40:29 | reserved |
| S3-234194 | 17/08/2023 12:47:31 | withdrawn |
| S3-234195 | 15/08/2023 10:14:10 | approved |
| S3-234196 | 18/08/2023 07:45:29 | reserved |
| S3-234197 | 18/08/2023 07:45:35 | reserved |
| S3-234198 | 18/08/2023 10:00:27 | reserved |
| S3-234199 | 18/08/2023 10:00:32 | reserved |
| S3-234200 | 17/08/2023 10:25:10 | approved |
| S3-234201 | 17/08/2023 10:26:17 | approved |
| S3-234202 | 17/08/2023 10:26:47 | approved |
| S3-234203 | 17/08/2023 10:27:23 | approved |
| S3-234204 | 17/08/2023 10:27:54 | approved |
| S3-234205 | 18/08/2023 07:55:06 | approved |
| S3-234206 | 17/08/2023 14:11:33 | agreed |
| S3-234207 | 17/08/2023 14:07:16 | agreed |
| S3-234208 | 18/08/2023 06:13:30 | approved |
| S3-234209 | 18/08/2023 07:49:55 | approved |
| S3-234210 | 18/08/2023 07:49:31 | approved |
| S3-234211 | 15/08/2023 13:19:46 | approved |
| S3-234212 | 17/08/2023 14:09:21 | agreed |
| S3-234213 | 18/08/2023 09:36:29 | agreed |
| S3-234214 | 18/08/2023 09:36:33 | agreed |
| S3-234215 | 18/08/2023 06:24:25 | agreed |
| S3-234216 | 17/08/2023 09:36:32 | agreed |
| S3-234217 | 17/08/2023 09:36:34 | agreed |
| S3-234218 | 15/08/2023 14:28:38 | agreed |
| S3-234219 | 15/08/2023 14:35:04 | agreed |
| S3-234220 | 17/08/2023 13:00:56 | agreed |
| S3-234221 | 17/08/2023 13:01:31 | agreed |
| S3-234222 | 15/08/2023 16:12:40 | agreed |
| S3-234223 | 15/08/2023 16:12:58 | agreed |
| S3-234224 | 18/08/2023 07:52:44 | approved |
| S3-234225 | 15/08/2023 16:03:46 | agreed |
| S3-234226 | 15/08/2023 16:07:12 | agreed |
| S3-234227 | 18/08/2023 09:57:09 | agreed |
| S3-234228 | 15/08/2023 16:10:44 | agreed |
| S3-234229 | 17/08/2023 14:13:09 | agreed |
| S3-234230 | 17/08/2023 14:13:11 | agreed |
| S3-234231 | 17/08/2023 13:20:55 | revised |
| S3-234231 | 18/08/2023 09:55:57 | approved |
| S3-234232 | 15/08/2023 16:15:24 | approved |
| S3-234233 | 18/08/2023 06:09:48 | agreed |
| S3-234234 | 18/08/2023 06:11:55 | agreed |
| S3-234235 | 15/08/2023 16:18:36 | approved |
| S3-234236 | 15/08/2023 16:19:16 | approved |
| S3-234237 | 18/08/2023 07:32:01 | approved |
| S3-234238 | 18/08/2023 07:32:36 | approved |
| S3-234239 | 18/08/2023 07:32:57 | approved |
| S3-234240 | 18/08/2023 07:34:07 | approved |
| S3-234241 | 18/08/2023 07:34:50 | approved |
| S3-234242 | 18/08/2023 07:35:10 | approved |
| S3-234243 | 15/08/2023 16:23:40 | approved |
| S3-234244 | 18/08/2023 07:37:39 | approved |
| S3-234245 | 18/08/2023 07:46:19 | approved |
| S3-234246 | 18/08/2023 07:46:47 | approved |
| S3-234247 | 18/08/2023 07:47:52 | approved |
| S3-234248 | 17/08/2023 13:20:02 | agreed |
| S3-234249 | 17/08/2023 12:34:14 | approved |
| S3-234250 | 16/08/2023 15:32:48 | withdrawn |
| S3-234251 | 17/08/2023 13:36:45 | revised |
| S3-234251 | 18/08/2023 10:12:34 | reserved |
| S3-234252 | 16/08/2023 06:12:42 | approved |
| S3-234253 | 18/08/2023 06:32:02 | approved |
| S3-234254 | 18/08/2023 06:32:22 | approved |
| S3-234255 | 18/08/2023 06:32:36 | approved |
| S3-234256 | 18/08/2023 07:43:41 | approved |
| S3-234257 | 18/08/2023 06:46:25 | approved |
| S3-234258 | 16/08/2023 07:19:44 | approved |
| S3-234259 | 18/08/2023 06:41:12 | approved |
| S3-234260 | 18/08/2023 07:41:01 | withdrawn |
| S3-234261 | 16/08/2023 08:25:03 | approved |
| S3-234262 | 16/08/2023 09:07:47 | approved |
| S3-234263 | 18/08/2023 10:23:27 | reserved |
| S3-234264 | 18/08/2023 06:51:16 | approved |
| S3-234265 | 16/08/2023 09:34:56 | approved |
| S3-234266 | 18/08/2023 10:14:34 | revised |
| S3-234267 | 17/08/2023 08:25:32 | approved |
| S3-234268 | 18/08/2023 07:01:55 | withdrawn |
| S3-234269 | 18/08/2023 07:02:18 | approved |
| S3-234270 | 18/08/2023 10:23:55 | approved |
| S3-234271 | 18/08/2023 10:17:07 | approved |
| S3-234272 | 18/08/2023 10:17:35 | approved |
| S3-234273 | 18/08/2023 10:18:04 | approved |
| S3-234274 | 18/08/2023 09:41:16 | withdrawn |
| S3-234275 | 18/08/2023 06:20:20 | agreed |
| S3-234276 | 18/08/2023 06:50:04 | approved |
| S3-234277 | 18/08/2023 06:27:39 | agreed |
| S3-234278 | 18/08/2023 10:19:35 | approved |
| S3-234279 | 18/08/2023 10:20:23 | approved |
| S3-234280 | 18/08/2023 08:09:57 | withdrawn |
| S3-234281 | 17/08/2023 13:28:55 | agreed |
| S3-234282 | 18/08/2023 10:05:31 | reserved |
| S3-234282 | 18/08/2023 10:05:38 | revised |
| S3-234283 | 18/08/2023 07:07:28 | approved |
| S3-234284 | 18/08/2023 07:07:54 | approved |
| S3-234285 | 18/08/2023 07:08:07 | withdrawn |
| S3-234286 | 18/08/2023 07:08:26 | approved |
| S3-234287 | 18/08/2023 07:10:59 | approved |
| S3-234288 | 18/08/2023 10:02:02 | approved |
| S3-234289 | 18/08/2023 10:02:34 | approved |
| S3-234290 | 18/08/2023 06:18:33 | reserved |
| S3-234291 | 18/08/2023 06:18:36 | approved |
| S3-234292 | 18/08/2023 10:07:45 | agreed |
| S3-234293 | 18/08/2023 06:20:50 | agreed |
| S3-234294 | 18/08/2023 06:21:40 | withdrawn |
| S3-234295 | 18/08/2023 06:22:40 | agreed |
| S3-234296 | 18/08/2023 13:07:29 | approved |
| S3-234297 | 18/08/2023 10:24:45 | approved |
| S3-234298 | 18/08/2023 10:25:41 | approved |
| S3-234299 | 18/08/2023 10:28:51 | approved |
| S3-234300 | 18/08/2023 10:29:26 | reserved |
| S3-234300 | 18/08/2023 10:29:36 | revised |
| S3-234301 | 17/08/2023 07:12:30 | agreed |
| S3-234302 | 17/08/2023 07:14:07 | agreed |
| S3-234303 | 18/08/2023 11:44:28 | agreed |
| S3-234304 | 17/08/2023 07:19:52 | agreed |
| S3-234305 | 18/08/2023 08:00:46 | withdrawn |
| S3-234306 | 18/08/2023 08:04:22 | withdrawn |
| S3-234307 | 18/08/2023 08:06:17 | withdrawn |
| S3-234308 | 18/08/2023 08:08:54 | approved |
| S3-234309 | 18/08/2023 08:09:15 | approved |
| S3-234310 | 18/08/2023 08:11:28 | withdrawn |
| S3-234311 | 17/08/2023 09:32:49 | approved |
| S3-234312 | 17/08/2023 09:33:29 | agreed |
| S3-234313 | 18/08/2023 07:37:11 | reserved |
| S3-234314 | 18/08/2023 09:40:38 | reserved |
| S3-234315 | 18/08/2023 09:45:27 | withdrawn |
| S3-234316 | 17/08/2023 10:21:28 | approved |
| S3-234317 | 18/08/2023 11:42:12 | approved |
| S3-234318 | 18/08/2023 07:56:59 | reserved |
| S3-234319 | 18/08/2023 12:59:40 | approved |
| S3-234319 | 31/08/2023 08:36:49 | noted |
| S3-234319 | 31/08/2023 08:50:34 | approved |
| S3-234320 | 17/08/2023 12:45:20 | approved |
| S3-234321 | 18/08/2023 11:38:02 | approved |
| S3-234322 | 17/08/2023 12:52:05 | approved |
| S3-234323 | 18/08/2023 11:40:15 | reserved |
| S3-234324 | 18/08/2023 11:40:24 | reserved |
| S3-234325 | 17/08/2023 12:58:47 | agreed |
| S3-234326 | 17/08/2023 13:02:49 | agreed |
| S3-234327 | 17/08/2023 13:07:26 | agreed |
| S3-234328 | 18/08/2023 09:55:59 | reserved |
| S3-234329 | 18/08/2023 08:10:19 | withdrawn |
| S3-234330 | 18/08/2023 09:52:08 | approved |
| S3-234331 | 18/08/2023 10:12:37 | reserved |
| S3-234331 | 01/09/2023 12:42:57 | agreed |
| S3-234332 | 18/08/2023 11:47:58 | agreed |
| S3-234333 | 18/08/2023 12:29:29 | agreed |
| S3-234334 | 18/08/2023 12:20:48 | agreed |
| S3-234335 | 18/08/2023 06:31:37 | approved |
| S3-234336 | 18/08/2023 06:41:58 | approved |
| S3-234337 | 18/08/2023 07:47:10 | reserved |
| S3-234338 | 18/08/2023 06:28:52 | agreed |
| S3-234339 | 18/08/2023 10:09:58 | approved |
| S3-234340 | 18/08/2023 06:37:23 | approved |
| S3-234341 | 18/08/2023 06:39:54 | approved |
| S3-234342 | 18/08/2023 06:54:56 | approved |
| S3-234343 | 18/08/2023 06:55:41 | approved |
| S3-234344 | 18/08/2023 07:01:22 | approved |
| S3-234345 | 18/08/2023 10:16:29 | approved |
| S3-234346 | 18/08/2023 07:50:57 | revised |
| S3-234346 | 18/08/2023 09:58:59 | reserved |
| S3-234347 | 18/08/2023 09:59:05 | reserved |
| S3-234348 | 18/08/2023 07:55:54 | approved |
| S3-234349 | 18/08/2023 12:23:42 | agreed |
| S3-234350 | 18/08/2023 09:23:56 | approved |
| S3-234351 | 18/08/2023 09:34:47 | agreed |
| S3-234352 | 18/08/2023 09:35:41 | agreed |
| S3-234353 | 18/08/2023 09:44:40 | agreed |
| S3-234354 | 18/08/2023 09:44:41 | agreed |
| S3-234355 | 18/08/2023 10:06:38 | reserved |
| S3-234355 | 01/09/2023 12:46:34 | agreed |
| S3-234356 | 18/08/2023 10:15:24 | approved |
| S3-234357 | 18/08/2023 10:19:03 | approved |
| S3-234358 | 18/08/2023 10:21:14 | approved |
| S3-234359 | 18/08/2023 10:23:31 | reserved |
| S3-234360 | 18/08/2023 10:30:15 | reserved |
| S3-234361 | 18/08/2023 11:43:21 | approved |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S3-233538 | Interface Robustness | Nokia, Nokia Shanghai Bell | 33.117 | 0121 | - | Rel-17 | F | eSCAS\_5G | agreed |
| S3-233539 | Security Event Logging | Nokia, Nokia Shanghai Bell | 33.117 | 0122 | - | Rel-17 | F | eSCAS\_5G | agreed |
| S3-233540 | Privileged Users | Nokia, Nokia Shanghai Bell | 33.117 | 0123 | - | Rel-17 | F | eSCAS\_5G | agreed |
| S3-233546 | Packet Filtering support Testing | Nokia, Nokia Shanghai Bell | 33.117 | 0124 | - | Rel-17 | F | eSCAS\_5G | not pursued |
| S3-233862 | Adding a missing requirement name | Qualcomm Incorporated | 33.117 | 0125 | - | Rel-18 | F | SCAS\_5G\_Ph2 | agreed |
| S3-234220 | Rel-18 Interface Robustness | Nokia, Nokia Shanghai Bell | 33.117 | 0126 | - | Rel-18 | A | eSCAS\_5G | agreed |
| S3-234221 | rel-18 Privileged Users | Nokia, Nokia Shanghai Bell | 33.117 | 0127 | - | Rel-18 | A | eSCAS\_5G | agreed |
| S3-233788 | CR to 33.122 CAPIF Vendor specific security methods | Nokia, Nokia Shanghai Bell, Samsung, AT&T | 33.122 | 0035 | - | Rel-18 | F | TEI18, CAPIF-Sec | revised |
| S3-234312 | CR to 33.122 CAPIF Vendor specific security methods | Nokia, Nokia Shanghai Bell, Samsung, AT&T | 33.122 | 0035 | 1 | Rel-18 | F | TEI18, CAPIF-Sec | agreed |
| S3-234360 | CR on security for resource owner aware northbound access to APIs | NTT DOCOMO INC. | 33.122 | 0036 | - | Rel-18 | B | SNAAPPY | agreed |
| S3-233591 | [33.180] Clarification on SIP core access authentication | HOME OFFICE | 33.180 | 0209 | - | Rel-18 | F | MCXSec3 | not pursued |
| S3-233820 | CR on Security vulnerability fix for use of AES-GCM and AES-GMAC in 33.203 | Apple | 33.203 | 0272 | - | Rel-17 | F | eCryptPr | not pursued |
| S3-233937 | Adding secure ESP algorithms | Ericsson | 33.203 | 0273 | - | Rel-18 | C | TEI18 | not pursued |
| S3-233893 | Updating the FC values | Qualcomm Incorporated | 33.220 | 0221 | - | Rel-18 | F | TEI18 | not pursued |
| S3-234029 | AKMA OSCORE Ua\* protocol identifier | Ericsson | 33.220 | 0222 | - | Rel-18 | B | AKMA\_GBA\_OSCORE | not pursued |
| S3-234328 | IETF OSCORE as GBA Ua protocol | Ericsson, THALES, Xiaomi | 33.220 | 0223 | - | Rel-18 | B | AKMA\_GBA\_OSCORE | agreed |
| S3-233863 | Correcting some references in TS 33.256 | Qualcomm Incorporated, China Mobile | 33.256 | 0024 | - | Rel-17 | F | ID\_UAS | agreed |
| S3-234035 | Updates to A2X Direct C2 Communication | Lenovo | 33.256 | 0025 | - | Rel-18 | F | UAS\_Ph2 | not pursued |
| S3-234038 | Updates to Direct Detect and Avoid | Lenovo | 33.256 | 0026 | - | Rel-18 | F | UAS\_Ph2 | not pursued |
| S3-234347 | Adding the security aspects of Rel-18 UAS features | Qualcomm Incorporated | 33.256 | 0027 | - | Rel-18 | B | UAS\_Ph2 | agreed |
| S3-233989 | Clarification of SEPP inter-domain certificate profiles | Ericsson | 33.310 | 0165 | - | Rel-16 | F | 5G\_eSBA | revised |
| S3-234212 | Clarification of SEPP inter-domain certificate profiles | Ericsson | 33.310 | 0165 | 1 | Rel-16 | F | 5G\_eSBA | agreed |
| S3-233995 | Clarification of SEPP inter-domain certificate profiles | Ericsson | 33.310 | 0166 | - | Rel-17 | A | 5G\_eSBA | revised |
| S3-234213 | Clarification of SEPP inter-domain certificate profiles | Ericsson | 33.310 | 0166 | 1 | Rel-17 | A | 5G\_eSBA | agreed |
| S3-233998 | Clarification of SEPP inter-domain certificate profiles | Ericsson | 33.310 | 0167 | - | Rel-18 | A | 5G\_eSBA | revised |
| S3-234214 | Clarification of SEPP inter-domain certificate profiles | Ericsson | 33.310 | 0167 | 1 | Rel-18 | A | 5G\_eSBA | agreed |
| S3-234313 | Certificate Management for 5GC NFs | Nokia | 33.310 | 0168 | - | Rel-18 | B | ACM\_SBA | agreed |
| S3-234033 | Annex N additions for IMS data channels. | Ericsson | 33.328 | 0070 | - | Rel-18 | B | NG\_RTC\_SEC | not pursued |
| S3-234337 | CR on security aspects of NG RTC | Huawei | 33.328 | 0071 | - | Rel-18 | B | NG\_RTC\_SEC | agreed |
| S3-233594 | [33.434] Key Provisioning procedure | Motorola Solutions, Samsung | 33.434 | 0017 | - | Rel-18 | B | SEAL\_Ph3 | revised |
| S3-234161 | [33.434] Key Provisioning procedure | Motorola Solutions, Samsung | 33.434 | 0017 | 1 | Rel-18 | B | SEAL\_Ph3 | agreed |
| S3-233870 | Protection of UPU header | Qualcomm Incorporated | 33.501 | 1612 | 1 | Rel-18 | F | TEI18, 5GS\_Ph1-SEC | not pursued |
| S3-233873 | IAB inter-CU topology adaptation and backhaul RLF recovery procedures | Qualcomm Incorporated | 33.501 | 1613 | 1 | Rel-17 | F | TEI17 | not pursued |
| S3-233545 | Update on the token verification | Deutsche Telekom AG | 33.501 | 1672 | - | Rel-18 | C | TEI18 | merged |
| S3-233554 | Modification of PRINS to enable Roaming Hubs | Vodafone, TIM, DoCoMo | 33.501 | 1673 | - | Rel-16 | F | 5G\_eSBA | revised |
| S3-233555 | Modification of PRINS to enable Roaming Hubs | Vodafone, TIM, DoCoMo | 33.501 | 1674 | - | Rel-17 | A | 5G\_eSBA | not pursued |
| S3-233556 | Modification of PRINS to enable Roaming Hubs | Vodafone, TIM, DoCoMo | 33.501 | 1675 | - | Rel-18 | A | 5G\_eSBA | not pursued |
| S3-233557 | CR to 33.501 R16 to implement error message reporting | Vodafone España SA | 33.501 | 1676 | - | Rel-16 | F | 5G\_eSBA | merged |
| S3-233558 | CR to 33.501 R17 to implement error message reporting (mirror) | Vodafone España SA | 33.501 | 1677 | - | Rel-17 | F | 5G\_eSBA | not pursued |
| S3-233559 | Enable Roaming Hub Error message origination | Vodafone, TIM, DoCoMo | 33.501 | 1678 | - | Rel-18 | A | 5G\_eSBA | not pursued |
| S3-233560 | Correction of and addition of missing roaming definitions | Vodafone, TIM, DoCoMo | 33.501 | 1679 | - | Rel-16 | F | 5G\_eSBA | merged |
| S3-233561 | Correction of and addition of missing roaming definitions | Vodafone, TIM, DoCoMo | 33.501 | 1680 | - | Rel-17 | A | 5G\_eSBA | not pursued |
| S3-233562 | Correction of and addition of missing roaming definitions | Vodafone, TIM, DoCoMo | 33.501 | 1681 | - | Rel-18 | A | 5G\_eSBA | not pursued |
| S3-233596 | Aggrigation of PLMN\_IDs for Roaming Hubs | Vodafone | 33.501 | 1682 | - | Rel-16 | F | 5G\_eSBA | merged |
| S3-233597 | Aggrigation of PLMN\_IDs for Roaming Hubs | Vodafone, TIM, DoCoMo | 33.501 | 1683 | - | Rel-17 | A | 5G\_eSBA | not pursued |
| S3-233598 | Aggrigation of PLMN\_IDs for Roaming Hubs | Vodafone, TIM, DoCoMo | 33.501 | 1684 | - | Rel-18 | A | 5G\_eSBA | not pursued |
| S3-233599 | Validation of the parameters sent by OAuth 2.0 client (NF Service Consumer) in the access token request. | Oy LM Ericsson AB | 33.501 | 1685 | - | Rel-18 | F | 5G\_eSBA\_Ph2 | withdrawn |
| S3-233611 | Correction of UDM service naming | BSI (DE) | 33.501 | 1686 | - | Rel-18 | F | SCAS\_5G\_Ph2 | revised |
| S3-234191 | Correction of UDM service naming | BSI (DE) | 33.501 | 1686 | 1 | Rel-18 | F | TEI18 | agreed |
| S3-233638 | NF authorization at NEF for AF data | Nokia, Nokia Shanghai Bell | 33.501 | 1687 | - | Rel-17 | F | TEI17 | not pursued |
| S3-233639 | NF authorization at NEF for AF data | Nokia, Nokia Shanghai Bell | 33.501 | 1688 | - | Rel-18 | A | TEI17 | not pursued |
| S3-233641 | ME Change issue correction | Nokia, Nokia Shanghai Bell | 33.501 | 1689 | - | Rel-18 | F | TEI18 | not pursued |
| S3-233647 | Authentication result removal | Nokia, Nokia Shanghai Bell | 33.501 | 1690 | - | Rel-17 | F | TEI17 | not pursued |
| S3-233648 | Authentication result removal | Nokia, Nokia Shanghai Bell | 33.501 | 1691 | - | Rel-18 | A | TEI17 | not pursued |
| S3-233649 | AUN3 device supporting 5G key hierarchy procedure | Nokia, Nokia Shanghai Bell, CableLabs | 33.501 | 1692 | - | Rel-18 | B | 5WWC\_Ph2\_Sec | revised |
| S3-234233 | AUN3 device supporting 5G key hierarchy procedure | Nokia, Nokia Shanghai Bell, CableLabs | 33.501 | 1692 | 1 | Rel-18 | B | 5WWC\_Ph2\_Sec | agreed |
| S3-233650 | Correction in AUN3 device procedure | Nokia, Nokia Shanghai Bell, CableLabs | 33.501 | 1693 | - | Rel-18 | B | 5WWC\_Ph2\_Sec | merged |
| S3-233651 | Correction in AUN3 device procedure for SMC | Nokia, Nokia Shanghai Bell, CableLabs | 33.501 | 1694 | - | Rel-18 | F | 5WWC\_Ph2\_Sec | revised |
| S3-234234 | Correction in AUN3 device procedure for SMC | Nokia, Nokia Shanghai Bell, CableLabs | 33.501 | 1694 | 1 | Rel-18 | F | 5WWC\_Ph2\_Sec | agreed |
| S3-233652 | Resolving EN related to notification | Nokia, Nokia Shanghai Bell | 33.501 | 1695 | - | Rel-18 | B | HN\_Auth | merged |
| S3-233653 | Resolving EN in HONTRA procedures | Nokia, Nokia Shanghai Bell | 33.501 | 1696 | - | Rel-18 | B | HN\_Auth | merged |
| S3-233669 | NSWO support in SNPN using CH with AAA server | CableLabs, Charter Communications | 33.501 | 1697 | - | Rel-18 | B | eNPN\_Ph2 | revised |
| S3-234290 | NSWO support in SNPN using CH with AAA server | CableLabs, Charter Communications | 33.501 | 1697 | 1 | Rel-18 | B | eNPN\_Ph2 | not pursued |
| S3-233671 | AUSF sends back MSK to W-AGF after successful EAP authentication | CableLabs | 33.501 | 1698 | - | Rel-18 | C | 5WWC\_Ph2\_Sec | not pursued |
| S3-233675 | Home network initiated authentication | NEC | 33.501 | 1699 | - | Rel-18 | F | HN\_Auth | merged |
| S3-233683 | Clarification for MBSSF in MBS | ZTE | 33.501 | 1700 | - | Rel-17 | F | 5MBS | not pursued |
| S3-233684 | Clarification for MBSSF in MBS | ZTE | 33.501 | 1701 | - | Rel-18 | A | 5MBS | not pursued |
| S3-233685 | Correction on Support for N5CW devices in SNPN with CH | ZTE | 33.501 | 1702 | - | Rel-18 | F | eNPN\_Ph2 | agreed |
| S3-233686 | Correction on the Kamf derivation parameter | ZTE | 33.501 | 1703 | - | Rel-16 | F | TEI16 | agreed |
| S3-233687 | Correction on the Kamf derivation parameter | ZTE | 33.501 | 1704 | - | Rel-17 | A | TEI16 | agreed |
| S3-233688 | Correction on KAMF derivation function in 33.501 R18-mirror | ZTE Corporation | 33.501 | 1705 | - | Rel-18 | A | TEI16 | agreed |
| S3-233690 | Add GPSI to UDM service | ZTE Corporation | 33.501 | 1706 | - | Rel-18 | F | HN\_Auth | not pursued |
| S3-233691 | Address the EN for AAnF factor | ZTE Corporation | 33.501 | 1707 | - | Rel-18 | F | HN\_Auth | merged |
| S3-233692 | Address the EN for name of notification message between AMF and UDM | ZTE Corporation | 33.501 | 1708 | - | Rel-18 | F | HN\_Auth | merged |
| S3-233693 | Alligment stage 3 for SoR and UPU counter wrap | ZTE Corporation | 33.501 | 1709 | - | Rel-18 | F | HN\_Auth | not pursued |
| S3-233694 | Mobility for EPS to 5GC | ZTE Corporation | 33.501 | 1710 | - | Rel-18 | F | HN\_Auth | not pursued |
| S3-233695 | Update the figure of HNA | ZTE Corporation | 33.501 | 1711 | - | Rel-18 | F | HN\_Auth | merged |
| S3-233696 | A possible condition for deriving AKMA key via HONTRA | ZTE Corporation | 33.501 | 1712 | - | Rel-18 | F | HN\_Auth | withdrawn |
| S3-233697 | Addition of AAnF functionality | ZTE Corporation | 33.501 | 1713 | - | Rel-18 | F | HN\_Auth | withdrawn |
| S3-233698 | Addition of UDM functionality | ZTE Corporation | 33.501 | 1714 | - | Rel-18 | F | HN\_Auth | withdrawn |
| S3-233699 | Address the EN for handing 2 AMFs problem | ZTE Corporation | 33.501 | 1715 | - | Rel-18 | F | HN\_Auth | merged |
| S3-233700 | Update AKMA key lifetimes | ZTE Corporation | 33.501 | 1716 | - | Rel-18 | F | HN\_Auth | withdrawn |
| S3-233701 | Update AKMA related UDM services | ZTE Corporation | 33.501 | 1717 | - | Rel-18 | F | HN\_Auth | withdrawn |
| S3-233702 | Add some context to 5GMSG on AKMA Ua star protocol | ZTE | 33.501 | 1718 | - | Rel-18 | F | 5GMARCH\_Ph2\_SEC | not pursued |
| S3-233717 | Security protection for resource sharing across broadcast MBS Sessions during network sharing | Huawei, HiSilicon | 33.501 | 1719 | - | Rel-18 | B | 5MBS\_Ph2 | merged |
| S3-233720 | Security handling in mobility from 5GS to EPS | Huawei, HiSilicon | 33.501 | 1720 | - | Rel-18 | F | TEI18 | not pursued |
| S3-233731 | User consent parameters extension based on user cosent for roaming requirements | Huawei, HiSilicon | 33.501 | 1721 | - | Rel-18 | F | UC3S\_SEC\_Ph2 | not pursued |
| S3-234294 | User consent parameters extension based on user cosent for roaming requirements | Huawei, HiSilicon | 33.501 | 1721 | 1 | Rel-18 | F | UC3S\_SEC\_Ph2 | withdrawn |
| S3-233750 | Security for Selective SCG Activation | Huawei, HiSilicon | 33.501 | 1722 | - | Rel-18 | B | DUMMY | not pursued |
| S3-233753 | Delete EN on two AMF pending flags | Huawei, HiSilicon | 33.501 | 1723 | - | Rel-18 | F | HN\_Auth | merged |
| S3-233754 | Update the potential trigger on SoRUPU case | Huawei, HiSilicon | 33.501 | 1724 | - | Rel-18 | F | HN\_Auth | not pursued |
| S3-233755 | Update the Figure and description to align with the latest conclusion. | Huawei, HiSilicon | 33.501 | 1725 | - | Rel-18 | F | HN\_Auth | merged |
| S3-233757 | Delete EN in caluse 7B.7 | Huawei, HiSilicon | 33.501 | 1726 | - | Rel-18 | F | 5WWC\_Ph2 | merged |
| S3-233758 | CR on registration procedure of AUN3 device supporting 5G key hirerachy | Huawei, HiSilicon | 33.501 | 1727 | - | Rel-18 | B | 5WWC\_Ph2 | merged |
| S3-233780 | Clarification on access token request for accessing services | Huawei, HiSilicon | 33.501 | 1728 | - | Rel-18 | F | 5G\_eSBA\_Ph2 | revised |
| S3-234207 | Clarification on access token request for accessing services | Huawei, HiSilicon | 33.501 | 1728 | 1 | Rel-18 | F | 5G\_eSBA\_Ph2 | agreed |
| S3-233792 | Delegated access token validation | Nokia, Nokia Shanghai Bell | 33.501 | 1729 | - | Rel-18 | B | 5G\_eSBA\_Ph2 | not pursued |
| S3-233793 | Clarification on subscribe-notify | Nokia, Nokia Shanghai Bell | 33.501 | 1730 | - | Rel-18 | F | 5G\_eSBA\_Ph2 | revised |
| S3-234351 | Clarification on subscribe-notify | Nokia, Nokia Shanghai Bell | 33.501 | 1730 | 1 | Rel-18 | F | 5G\_eSBA\_Ph2 | agreed |
| S3-233794 | SCP to include 3gpp-Sbi-Originating-Network-Id header | Nokia, Nokia Shanghai Bell | 33.501 | 1731 | - | Rel-18 | F | 5G\_eSBA\_Ph2 | revised |
| S3-234352 | SCP to include 3gpp-Sbi-Originating-Network-Id header | Nokia, Nokia Shanghai Bell | 33.501 | 1731 | 1 | Rel-18 | F | 5G\_eSBA\_Ph2 | agreed |
| S3-233795 | Including SNPN ID in SBA and N32 related descriptions | Nokia, Nokia Shanghai Bell | 33.501 | 1732 | - | Rel-17 | F | 5G\_eSBA\_Ph2 | not pursued |
| S3-233796 | Including SNPN ID in SBA and N32 related descriptions | Nokia, Nokia Shanghai Bell | 33.501 | 1733 | - | Rel-18 | A | 5G\_eSBA\_Ph2 | not pursued |
| S3-233806 | Home control for Network Slice Admission Control (NSAC) procedures | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, LGE, Xiaomi, ZTE | 33.501 | 1734 | - | Rel-18 | B | DUMMY | not pursued |
| S3-233808 | NSSAA procedure update for multiple registration | Huawei, HiSilicon | 33.501 | 1735 | - | Rel-17 | F | TEI17 | not pursued |
| S3-233809 | Clarification on AF authorization in clause 12.4 | Huawei, HiSilicon | 33.501 | 1736 | - | Rel-17 | F | TEI17 | revised |
| S3-234216 | Clarification on AF authorization in clause 12.4 | Huawei, HiSilicon | 33.501 | 1736 | 1 | Rel-17 | F | TEI17 | agreed |
| S3-233810 | Clarification of AF authorization in clause 12.4 | Huawei, HiSilicon | 33.501 | 1737 | - | Rel-18 | A | TEI17 | revised |
| S3-234217 | Clarification of AF authorization in clause 12.4 | Huawei, HiSilicon | 33.501 | 1737 | 1 | Rel-18 | A | TEI17 | agreed |
| S3-233821 | CR on 33501\_s1n1\_idlemode\_mapped\_ctxt | Apple | 33.501 | 1738 | - | Rel-18 | F | TEI18 | revised |
| S3-234162 | CR on 33501\_s1n1\_idlemode\_mapped\_ctxt | Apple | 33.501 | 1738 | 1 | Rel-18 | F | TEI18 | agreed |
| S3-233830 | CR on Security for selective SCG activation | OPPO | 33.501 | 1739 | - | Rel-18 | B | TEI17 | not pursued |
| S3-233839 | Correction of authorization between SEPP and network functions | Huawei, HiSilicon | 33.501 | 1740 | - | Rel-18 | F | TEI18 | not pursued |
| S3-234274 | Correction of authorization between SEPP and network functions | Huawei, HiSilicon | 33.501 | 1740 | 1 | Rel-18 | F | TEI18 | withdrawn |
| S3-233846 | CR of EDGE\_Ph2 on TS 33.501 | Huawei, HiSilicon | 33.501 | 1741 | - | Rel-18 | B | EDGE\_Ph2 | revised |
| S3-234199 | Security of EAS discovery procedure via V-EASDF in roaming Scenario | Huawei, HiSilicon | 33.501 | 1741 | 1 | Rel-18 | B | EDGE\_Ph2 | agreed |
| S3-233847 | Authentication result removal | Huawei, HiSilicon | 33.501 | 1742 | - | Rel-17 | F | TEI17 | not pursued |
| S3-233868 | Resolving AKMA EN in HONTRA procedures | Qualcomm Incorporated, Nokia | 33.501 | 1743 | - | Rel-18 | F | HN\_Auth | merged |
| S3-233874 | Security handling in network sharing scenario | Qualcomm Incorporated | 33.501 | 1744 | - | Rel-18 | B | 5MBS\_Ph2 | revised |
| S3-234295 | Security handling in network sharing scenario | Qualcomm Incorporated | 33.501 | 1744 | 1 | Rel-18 | B | 5MBS\_Ph2 | agreed |
| S3-233887 | Mobility procedure for Trusted Non-3GPP access | Qualcomm Incorporated | 33.501 | 1745 | - | Rel-18 | B | DUMMY | not pursued |
| S3-233892 | Handling of SoR/UPU Counter stored in NVM | Qualcomm Incorporated | 33.501 | 1746 | - | Rel-18 | F | TEI18 | not pursued |
| S3-233894 | Guidance on mitigating privacy risk of variable length NAI based SUPIs | Qualcomm Incorporated | 33.501 | 1747 | - | Rel-18 | F | TEI18 | not pursued |
| S3-234315 | Guidance on mitigating privacy risk of variable length NAI based SUPIs | Qualcomm Incorporated | 33.501 | 1747 | 1 | Rel-18 | F | TEI18 | withdrawn |
| S3-233728 | Update Area of interest in OAuth2.0 | Huawei, HiSilicon | 33.501 | 1748 | - | Rel-18 | F | TEI18 | not pursued |
| S3-233735 | SN authentication for R17 NSWO | Huawei, HiSilicon | 33.501 | 1749 | - | Rel-17 | F | eNPN\_Ph2 | merged |
| S3-233902 | 5MBS Annex W NOTE | Ericsson | 33.501 | 1750 | - | Rel-17 | F | 5MBS | revised |
| S3-234229 | 5MBS Annex W NOTE | Ericsson | 33.501 | 1750 | 1 | Rel-17 | F | 5MBS | agreed |
| S3-233916 | 5MBS Annex W NOTE | Ericsson | 33.501 | 1751 | - | Rel-18 | A | 5MBS | revised |
| S3-234230 | 5MBS Annex W NOTE | Ericsson | 33.501 | 1751 | 1 | Rel-18 | A | 5MBS | agreed |
| S3-233919 | Verification of the serving network name by the AUSF | Ericsson | 33.501 | 1752 | - | Rel-17 | F | TEI17 | not pursued |
| S3-233920 | Verification of the serving network name by the AUSF | Ericsson | 33.501 | 1753 | - | Rel-18 | A | TEI17 | not pursued |
| S3-233921 | Correction of NAI format for 5G NSWO | Ericsson | 33.501 | 1754 | - | Rel-17 | F | NSWO\_5G | revised |
| S3-234168 | Correction of NAI format for 5G NSWO | Ericsson | 33.501 | 1754 | 1 | Rel-17 | F | NSWO\_5G | agreed |
| S3-233922 | Correction of NAI format for 5G NSWO | Ericsson | 33.501 | 1755 | - | Rel-18 | A | NSWO\_5G | revised |
| S3-234169 | Correction of NAI format for 5G NSWO | Ericsson | 33.501 | 1755 | 1 | Rel-18 | A | NSWO\_5G | agreed |
| S3-233927 | NSWO support in SNPN without CH and with CH using AUSF/UDM | Ericsson | 33.501 | 1756 | - | Rel-18 | B | eNPN\_Ph2 | revised |
| S3-234275 | NSWO support in SNPN without CH and with CH using AUSF/UDM | Ericsson | 33.501 | 1756 | 1 | Rel-18 | B | eNPN\_Ph2 | agreed |
| S3-233928 | Authentication method selection and clause structure for non-3GPP access support in SNPN | Ericsson | 33.501 | 1757 | - | Rel-18 | F | eNPN\_Ph2 | merged |
| S3-233929 | Correction of wrong reference clause number | LG Electronics | 33.501 | 1758 | - | Rel-18 | D | HN\_Auth | merged |
| S3-233930 | EN resolving on signalling overload | LG Electronics | 33.501 | 1759 | - | Rel-18 | B | HN\_Auth | merged |
| S3-233941 | Validation of the parameters sent by OAuth 2.0 client (NF Service Consumer) in the access token request. | Ericsson, Nokia, Nokia Shanghai Bell | 33.501 | 1760 | - | Rel-18 | F | 5G\_eSBA\_Ph2 | agreed |
| S3-233942 | Use of NF Instance ID in the mutual authentication between the NF Consumer and NRF | Ericsson, Nokia, Nokia Shanghai Bell | 33.501 | 1761 | - | Rel-18 | B | 5G\_eSBA\_Ph2 | revised |
| S3-234206 | Use of NF Instance ID in the mutual authentication between the NF Consumer and NRF | Ericsson, Nokia, Nokia Shanghai Bell | 33.501 | 1761 | 1 | Rel-18 | B | 5G\_eSBA\_Ph2 | agreed |
| S3-233958 | CR\_Removing N32 precontext ID in 33.501 in R16 | China Mobile | 33.501 | 1762 | - | Rel-16 | F | 5G\_eSBA | agreed |
| S3-233959 | CR\_Removing N32 precontext ID in 33.501 in R17 | China Mobile | 33.501 | 1763 | - | Rel-17 | A | 5G\_eSBA | agreed |
| S3-233960 | CR\_Removing N32 precontext ID in 33.501 in R18 | China Mobile | 33.501 | 1764 | - | Rel-18 | A | 5G\_eSBA | agreed |
| S3-233967 | Security in 5G system location services to support user plane positioning | Ericsson | 33.501 | 1765 | - | Rel-18 | B | DUMMY | revised |
| S3-234170 | Security in 5G system location services to support user plane positioning | Ericsson | 33.501 | 1765 | 1 | Rel-18 | B | TEI18 | agreed |
| S3-233969 | Resolution of editor notes related to the temporary identifier used during trusted non-3GPP access. | Nokia, Nokia Shanghai Bell | 33.501 | 1766 | - | Rel-18 | C | eNPN\_Ph2 | revised |
| S3-234292 | Resolution of editor notes related to the temporary identifier used during trusted non-3GPP access. | Nokia, Nokia Shanghai Bell | 33.501 | 1766 | 1 | Rel-18 | C | eNPN\_Ph2 | agreed |
| S3-233970 | Resolution of editor notes related to selection of authentication method. | Nokia, Nokia Shanghai Bell | 33.501 | 1767 | - | Rel-18 | F | eNPN\_Ph2 | revised |
| S3-234293 | Resolution of editor notes related to selection of authentication method. | Nokia, Nokia Shanghai Bell | 33.501 | 1767 | 1 | Rel-18 | F | eNPN\_Ph2 | agreed |
| S3-233974 | Transport security for DNS | Ericsson | 33.501 | 1768 | - | Rel-18 | C | TEI18 | not pursued |
| S3-234171 | Transport security for DNS | Ericsson | 33.501 | 1768 | 1 | Rel-18 | A | eEDGE\_5GC | withdrawn |
| S3-233987 | 33.501 Rel-17 Correction: Reverting Annex P back to informative | Ericsson | 33.501 | 1769 | - | Rel-17 | F | eEDGE\_5GC | not pursued |
| S3-234172 | 33.501 Rel-17 Correction: Reverting Annex P back to informative | Ericsson | 33.501 | 1769 | 1 | Rel-17 | F | eEDGE\_5GC | withdrawn |
| S3-233988 | 33.501 Rel-18 Correction: Reverting Annex P back to informative | Ericsson | 33.501 | 1770 | - | Rel-18 | A | eEDGE\_5GC | not pursued |
| S3-234008 | CR on selective SCG activation | Samsung | 33.501 | 1771 | - | Rel-18 | B | TEI18 | not pursued |
| S3-234010 | Security protection for resource sharing across broadcast MBS Sessions during network sharing | Samsung | 33.501 | 1772 | - | Rel-18 | B | 5MBS\_Ph2 | merged |
| S3-234014 | [IAB][Rel-17] IAB inter-CU topology adaptation procedure | Samsung, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | 33.501 | 1773 | - | Rel-17 | F | TEI17 | revised |
| S3-234353 | [IAB][Rel-17] IAB inter-CU topology adaptation procedure | Samsung, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | 33.501 | 1773 | 1 | Rel-17 | F | TEI17 | agreed |
| S3-234018 | [IAB][Rel-18] IAB inter-CU topology adaptation procedure | Samsung, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | 33.501 | 1774 | - | Rel-18 | B | TEI18 | revised |
| S3-234354 | [IAB][Rel-18] IAB inter-CU topology adaptation procedure | Samsung, Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | 33.501 | 1774 | 1 | Rel-18 | A | TEI17 | agreed |
| S3-234021 | Data collection and exposure to enable security monitoring | Lenovo, Motorola Mobility, Center for Internet Security, Cablelabs, Johns Hopkins University APL, US National Security Agency, Charter Communications, Telefonica, Rakuten Mobile Inc | 33.501 | 1775 | - | Rel-18 | B | FS\_ZTS | not pursued |
| S3-234024 | Resolving ENs in HONTRA Procedure | Lenovo | 33.501 | 1776 | - | Rel-18 | F | HN\_Auth | merged |
| S3-234030 | Home Network triggered Primary authentication clarifications | Ericsson | 33.501 | 1777 | - | Rel-18 | F | HN\_Auth | revised |
| S3-234227 | Home Network triggered Primary authentication clarifications | Ericsson | 33.501 | 1777 | 1 | Rel-18 | F | HN\_Auth | agreed |
| S3-234032 | SERP CR to TS 33.501 on the Protection of the RRC Resume Request message | Ericsson, Apple, Huawei, HiSilicon | 33.501 | 1778 | - | Rel-18 | B | SERP | revised |
| S3-234314 | SERP CR to TS 33.501 on the Protection of the RRC Resume Request message | Ericsson, Apple, Huawei, HiSilicon | 33.501 | 1778 | 1 | Rel-18 | B | SERP | not pursued |
| S3-234042 | Identification of Applications with URSP rules | Lenovo, AT&T, Broadcom, CableLabs, CATT, Charter, China Mobile, China Telecom, Deutsche Telekom, Intel, LG Electronics, Motorola Solutions MSI, NEC, Nokia, Nokia Shanghai Bell, Samsung, Verizon | 33.501 | 1779 | - | Rel-18 | B | LIMBO | not pursued |
| S3-234099 | Correction ot the HONTRA procedure triggered by the AAnF | Xiaomi | 33.501 | 1780 | - | Rel-18 | F | HN\_Auth | merged |
| S3-234101 | Remove the pending flag in the HONTRA procedure | Xiaomi | 33.501 | 1781 | - | Rel-18 | F | HN\_Auth | merged |
| S3-234102 | Update to the HONTRA procedure to remove the EN related to the pending flag | Xiaomi | 33.501 | 1782 | - | Rel-18 | F | HN\_Auth | merged |
| S3-234115 | Resolve ENs related to authentication method selection in SNPN scenarios | Xiaomi Communications | 33.501 | 1783 | - | Rel-18 | F | eNPN\_Ph2 | merged |
| S3-234116 | Update NSWO procedure for NAI format Release 17 | Xiaomi Communications | 33.501 | 1784 | - | Rel-17 | F | eNPN\_Ph2 | merged |
| S3-234117 | NSWO procedure for NAI format Release 18 (mirror) | Xiaomi Communications | 33.501 | 1785 | - | Rel-18 | A | eNPN\_Ph2 | merged |
| S3-234355 | Security aspects of enablers for Network Automation for 5G | China Mobile | 33.501 | 1786 | - | Rel-18 | B | eNA\_Ph3\_SEC | agreed |
| S3-233614 | Update discovery key response of U2N discovery security procdure | Nokia, Nokia Shanghai Bell | 33.503 | 0109 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-233615 | Locate target PKMF in UP based security procedure of U2N relay communication | Nokia, Nokia Shanghai Bell | 33.503 | 0110 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-234218 | Locate target PKMF in UP based security procedure of U2N relay communication | Nokia, Nokia Shanghai Bell | 33.503 | 0110 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-233677 | Correction on derivation of CP-PRUK ID star | ZTE | 33.503 | 0111 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-234215 | Correction on derivation of CP-PRUK ID star | ZTE | 33.503 | 0111 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-233678 | Correction on derivation of CP-PRUK ID star | ZTE | 33.503 | 0112 | - | Rel-18 | A | 5G\_ProSe | not pursued |
| S3-233743 | Identify discovery security materials in UE-to-Network Relay discovery | Huawei, HiSilicon | 33.503 | 0113 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-233746 | Clarification about Annex A.3 | Huawei, HiSilicon | 33.503 | 0114 | - | Rel-17 | F | 5G\_ProSe | merged |
| S3-233759 | Clarification on discovery of PKMF of Relay UE by the SMF in remote UE report procedure | Huawei, HiSilicon | 33.503 | 0115 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-234277 | Clarification on discovery of PKMF of Relay UE by the SMF in remote UE report procedure | Huawei, HiSilicon | 33.503 | 0115 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-233826 | Correction in clause 6.3.3.2.2 and 6.3.3.3.2 of TS 33.503 | OPPO | 33.503 | 0116 | - | Rel-17 | F | 5G\_ProSe | withdrawn |
| S3-233903 | Retrieving keys for decryption of protected IEs for U2N relay | Ericsson | 33.503 | 0117 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-233909 | U2N relay direct link setup failure due to RSC mismatch or integrity failure | Ericsson, Philips International B.V | 33.503 | 0118 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-233934 | Correction in clause 6.3.3.2.2 and 6.3.3.3.2 of TS 33.503 | OPPO,Xidian | 33.503 | 0119 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-234219 | Correction in clause 6.3.3.2.2 and 6.3.3.3.2 of TS 33.503 | OPPO,Xidian | 33.503 | 0119 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-234023 | CR to TR33.503 Correct definition of reference point Npc14 | CATT | 33.503 | 0120 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-234097 | Correction to privacy protection of UP-PRUKID/CP-PRUKID and RSC in DCR | Xiaomi | 33.503 | 0121 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-234098 | Add the 5G PKMF service operation | Xiaomi | 33.503 | 0122 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-234338 | Add the 5G PKMF service operation | Xiaomi | 33.503 | 0122 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-234331 | 5G\_ProSe\_Ph2 security enhancement | CATT | 33.503 | 0123 | - | Rel-18 | B | 5G\_ProSe\_Ph2 | agreed |
| S3-233856 | Linking the gNB and split gNB specifications | Qualcomm Incorporated | 33.511 | 0045 | - | Rel-18 | F | SCAS\_5G\_split\_gNB | revised |
| S3-234131 | Linking the gNB and split gNB specifications | Qualcomm Incorporated | 33.511 | 0045 | 1 | Rel-18 | F | SCAS\_5G\_split\_gNB | revised |
| S3-234325 | Linking the gNB and split gNB specifications | Qualcomm Incorporated | 33.511 | 0045 | 2 | Rel-18 | F | SCAS\_5G\_split\_gNB | agreed |
| S3-233858 | Adding the missing Xn-U interface | Qualcomm Incorporated | 33.511 | 0046 | - | Rel-18 | F | SCAS\_5G\_Ph2 | revised |
| S3-234327 | Adding the missing Xn-U interface | Qualcomm Incorporated | 33.511 | 0046 | 1 | Rel-18 | F | SCAS\_5G\_Ph2 | agreed |
| S3-233859 | Correction of cross-refence in clause 4.2.3.4.1 | Qualcomm Incorporated | 33.511 | 0047 | - | Rel-16 | F | SCAS\_5G | not pursued |
| S3-233860 | Correction of cross-refence in clause 4.2.3.4.1 | Qualcomm Incorporated | 33.511 | 0048 | - | Rel-17 | A | SCAS\_5G | not pursued |
| S3-233861 | Correction of cross-refence in clause 4.2.3.4.1 | Qualcomm Incorporated | 33.511 | 0049 | - | Rel-18 | A | SCAS\_5G | revised |
| S3-234226 | Correction of cross-refence in clause 4.2.3.4.1 | Qualcomm Incorporated | 33.511 | 0049 | 1 | Rel-18 | F | SCAS\_5G\_Ph2 | agreed |
| S3-233541 | AMF redirection to EPS remove CIoT precondition | Keysight Technologies | 33.512 | 0038 | - | Rel-18 | F | SCAS\_5G\_Ph2 | revised |
| S3-234326 | AMF redirection to EPS remove CIoT precondition | Keysight Technologies | 33.512 | 0038 | 1 | Rel-18 | F | SCAS\_5G\_Ph2 | agreed |
| S3-233543 | AMF Test - NAS Integrity failure | Keysight Technologies | 33.512 | 0039 | - | Rel-18 | B | SCAS\_5G\_Ph2 | agreed |
| S3-233605 | Clarification of Replay Protection of NAS signalling messages | BSI (DE) | 33.512 | 0040 | - | Rel-18 | F | SCAS\_5G\_Ph2 | revised |
| S3-234165 | Clarification of Replay Protection of NAS signalling messages | BSI (DE) | 33.512 | 0040 | 1 | Rel-18 | F | SCAS\_5G\_Ph2 | agreed |
| S3-233606 | Clarification of NAS integrity algorithm selection and use | BSI (DE) | 33.512 | 0041 | - | Rel-18 | F | SCAS\_5G\_Ph2 | revised |
| S3-234166 | Clarification of NAS integrity algorithm selection and use | BSI (DE) | 33.512 | 0041 | 1 | Rel-18 | F | SCAS\_5G\_Ph2 | agreed |
| S3-233607 | Clarification of invalid or unacceptable UE security capabilities handling | BSI (DE) | 33.512 | 0042 | - | Rel-18 | F | SCAS\_5G\_Ph2 | revised |
| S3-234167 | Clarification of invalid or unacceptable UE security capabilities handling | BSI (DE) | 33.512 | 0042 | 1 | Rel-18 | F | SCAS\_5G\_Ph2 | agreed |
| S3-233604 | Added UDM SCAS test cases for checking an invalid and uncompressed point in ECIES protection scheme for SUCI decryption | BSI (DE) | 33.514 | 0008 | - | Rel-18 | F | SCAS\_5G\_Ph2 | revised |
| S3-233623 | Added UDM SCAS test cases for checking an invalid and uncompressed point in ECIES protection scheme for SUCI decryption | BSI (DE), Deutsche Telekom AG | 33.514 | 0008 | 1 | Rel-18 | F | SCAS\_5G\_Ph2 | not pursued |
| S3-233609 | Correction of UDM service naming | BSI (DE) | 33.514 | 0009 | - | Rel-18 | F | SCAS\_5G\_Ph2 | agreed |
| S3-233854 | Adding the clause references to TS 33.523 | Qualcomm Incorporated | 33.523 | 0001 | - | Rel-18 | F | SCAS\_5G\_split\_gNB | agreed |
| S3-233855 | Adding the missing Xn-U interface | Qualcomm Incorporated | 33.523 | 0002 | - | Rel-18 | F | SCAS\_5G\_split\_gNB | agreed |
| S3-233857 | Removing redundant text from clause 5.2.2.1.4 | Qualcomm Incorporated | 33.523 | 0003 | - | Rel-18 | F | SCAS\_5G\_split\_gNB | agreed |
| S3-233775 | Reference correction for MnF SCAS | Huawei, HiSilicon | 33.526 | 0001 | - | Rel-18 | F | SCAS\_5G\_MF | agreed |
| S3-233634 | AKMA Service disable or withdrawn | Nokia, Nokia Shanghai Bell | 33.535 | 0156 | - | Rel-17 | F | AKMA | not pursued |
| S3-233635 | AKMA Service disable or withdrawn | Nokia, Nokia Shanghai Bell | 33.535 | 0157 | - | Rel-18 | A | AKMA | not pursued |
| S3-233643 | AKMA service restriction in VPLMN | Nokia, Nokia Shanghai Bell | 33.535 | 0158 | - | Rel-17 | F | AKMA | not pursued |
| S3-233644 | AKMA service restriction in VPLMN | Nokia, Nokia Shanghai Bell | 33.535 | 0159 | - | Rel-18 | A | AKMA | not pursued |
| S3-233679 | Correction of step numbers in clause 6.2 of TS 33.535 | ZTE Corporation | 33.535 | 0160 | - | Rel-17 | F | AKMA | agreed |
| S3-233680 | Correction of step numbers in clause 6.2 of TS 33.535 | ZTE Corporation | 33.535 | 0161 | - | Rel-18 | A | AKMA | agreed |
| S3-233681 | Update the definition of AKMA context in TS 33.535 | ZTE Corporation | 33.535 | 0162 | - | Rel-17 | F | AKMA | agreed |
| S3-233682 | Update the definition of AKMA context in TS 33.535 | ZTE Corporation | 33.535 | 0163 | - | Rel-18 | A | AKMA | agreed |
| S3-233689 | Add AKMA Ua\* protocol based on DTLS to TS 33.535 | ZTE | 33.535 | 0164 | - | Rel-18 | B | AKMA\_GBA\_DTLS | agreed |
| S3-233752 | Link KAF refresh to KAKMA refresh | Huawei, HiSilicon, China Mobile | 33.535 | 0165 | - | Rel-18 | F | HN\_Auth | revised |
| S3-234281 | Link KAF refresh to KAKMA refresh | Huawei, HiSilicon, China Mobile | 33.535 | 0165 | 1 | Rel-18 | F | HN\_Auth | agreed |
| S3-233763 | Removal of the roaming restriction for Rel-17 | Huawei, HiSilicon | 33.535 | 0166 | - | Rel-17 | F | TEI17 | not pursued |
| S3-234329 | Removal of the roaming restriction for Rel-17 | Huawei, HiSilicon | 33.535 | 0166 | 1 | Rel-17 | F | TEI17 | withdrawn |
| S3-233833 | Clarification on the description about AAnF | China Telecom | 33.535 | 0167 | - | Rel-17 | F | AKMA | revised |
| S3-234222 | Clarification on the description about AAnF | China Telecom | 33.535 | 0167 | 1 | Rel-17 | F | AKMA | agreed |
| S3-233836 | Clarification on the description about AAnF | China Telecom | 33.535 | 0168 | - | Rel-18 | A | AKMA | revised |
| S3-234223 | Clarification on the description about AAnF | China Telecom | 33.535 | 0168 | 1 | Rel-18 | A | AKMA | agreed |
| S3-233910 | A possible condition for deriving AKMA key via HONTRA | ZTE Corporation | 33.535 | 0169 | - | Rel-18 | F | HN\_Auth | not pursued |
| S3-233911 | Addition of AAnF functionality | ZTE Corporation | 33.535 | 0170 | - | Rel-18 | F | HN\_Auth | revised |
| S3-234228 | Addition of AAnF functionality | ZTE Corporation | 33.535 | 0170 | 1 | Rel-18 | F | HN\_Auth | agreed |
| S3-233912 | Addition of UDM functionality | ZTE Corporation | 33.535 | 0171 | - | Rel-18 | F | HN\_Auth | not pursued |
| S3-233913 | Update AKMA key lifetimes | ZTE Corporation | 33.535 | 0172 | - | Rel-18 | F | HN\_Auth | not pursued |
| S3-233914 | Update AKMA related UDM services | ZTE Corporation | 33.535 | 0173 | - | Rel-18 | F | HN\_Auth | agreed |
| S3-234016 | Clarification on Kaf refresh in AKMA | OPPO | 33.535 | 0174 | - | Rel-18 | F | AKMA | withdrawn |
| S3-234028 | IETF OSCORE as AKMA Ua\* protocol | Ericsson | 33.535 | 0175 | - | Rel-18 | B | AKMA\_GBA\_OSCORE | agreed |
| S3-234044 | Clarification on Kaf refresh in AKMA | OPPO | 33.535 | 0176 | - | Rel-18 | F | AKMA | revised |
| S3-234248 | Clarification on Kaf refresh in AKMA | OPPO | 33.535 | 0176 | 1 | Rel-18 | F | AKMA\_Ph2 | agreed |
| S3-234107 | Routing indicator update issue in the A-KID construction procedure Release 18 (mirror) | Xiaomi Communications | 33.535 | 0177 | - | Rel-18 | A | AKMA\_Ph2 | not pursued |
| S3-234108 | Routing indicator update issue in the A-KID construction procedure Release 17 (mirror) | Xiaomi Communications | 33.535 | 0178 | - | Rel-17 | A | AKMA\_Ph2 | not pursued |
| S3-234109 | Routing indicator update issue in the A-KID construction procedure Release 16 | Xiaomi Communications | 33.535 | 0179 | - | Rel-16 | F | AKMA\_Ph2 | not pursued |
| S3-233676 | Clean up for AAnF SCAS | ZTE | 33.537 | 0004 | - | Rel-18 | F | SCAS\_5G\_AAnF | merged |
| S3-233955 | Editorial corrections to TS33537 | China Mobile | 33.537 | 0005 | - | Rel-18 | F | SCAS\_5G\_AAnF | revised |
| S3-234225 | Editorial corrections to TS33537 | China Mobile | 33.537 | 0005 | 1 | Rel-18 | F | SCAS\_5G\_AAnF | agreed |
| S3-233845 | CR of EDGE\_Ph2 on TS 33.558 | Huawei, HiSilicon | 33.558 | 0015 | - | Rel-18 | B | EDGE\_Ph2 | revised |
| S3-234198 | Correction of NAI format for 5G NSWO | Huawei, HiSilicon | 33.558 | 0015 | 1 | Rel-18 | B | EDGE\_Ph2 | agreed |
| S3-233954 | Cleanup of 33737 | China Mobile | 33.737 | 0001 | - | Rel-18 | F | FS\_AKMA\_Ph2 | revised |
| S3-234301 | Cleanup of 33737 | China Mobile | 33.737 | 0001 | 1 | Rel-18 | F | FS\_AKMA\_Ph2 | agreed |
| S3-233944 | Clean up for 33.738 | China Mobile | 33.738 | 0001 | - | Rel-18 | F | FS\_eNA\_SEC\_Ph3 | withdrawn |
| S3-233968 | Clean up of TR 33.738 | China Mobile | 33.738 | 0002 | - | Rel-18 | F | FS\_eNA\_SEC\_Ph3 | revised |
| S3-234302 | Clean up of TR 33.738 | China Mobile | 33.738 | 0002 | 1 | Rel-18 | F | FS\_eNA\_SEC\_Ph3 | agreed |
| S3-234303 | Clean Up for TR 33.740 | CATT | 33.740 | 0001 | - | Rel-18 | F | FS\_5G\_ProSe\_Ph2 | agreed |
| S3-233825 | CR for TR33809 clean up | Apple | 33.809 | 0001 | - | Rel-18 | F | FS\_5GFBS | revised |
| S3-234152 | CR for TR33809 clean up | Apple | 33.809 | 0001 | 1 | Rel-18 | F | FS\_5GFBS | revised |
| S3-234163 | CR for TR33809 clean up | Apple | 33.809 | 0001 | 2 | Rel-18 | F | FS\_5GFBS | agreed |
| S3-233917 | Addressing comments from EditHelp | Ericsson | 33.858 | 0001 | - | Rel-18 | F | FS\_eNPN\_Ph2\_SEC | agreed |
| S3-233797 | Editorial cleanups | Nokia, Nokia Shanghai Bell | 33.875 | 0001 | - | Rel-18 | F | FS\_eSBA\_SEC | revised |
| S3-234304 | Editorial cleanups | Nokia, Nokia Shanghai Bell | 33.875 | 0001 | 1 | Rel-18 | F | FS\_eSBA\_SEC | agreed |
| S3-233798 | Scope alignment with key issues addressed | Nokia, Nokia Shanghai Bell | 33.875 | 0002 | - | Rel-18 | F | FS\_eSBA\_SEC | agreed |
| S3-233799 | Clarifications on deployment options | Nokia, Nokia Shanghai Bell | 33.875 | 0003 | - | Rel-18 | F | FS\_eSBA\_SEC | agreed |
| S3-233800 | Key issue 11 editorial updates | Nokia, Nokia Shanghai Bell | 33.875 | 0004 | - | Rel-18 | F | FS\_eSBA\_SEC | agreed |
| S3-233801 | Alignment of key issue 12 with GSMA input | Nokia, Nokia Shanghai Bell | 33.875 | 0005 | - | Rel-18 | F | FS\_eSBA\_SEC | agreed |
| S3-233802 | Evaluation clarification to solution for access tokens for NFc Sets | Nokia, Nokia Shanghai Bell | 33.875 | 0006 | - | Rel-18 | F | FS\_eSBA\_SEC | agreed |
| S3-233805 | TR33.886 clean-up | Huawei, HiSilicon | 33.886 | 0001 | - | Rel-18 | F | FS\_eNS\_Ph3 | agreed |
| S3-233542 | NAS based redirection from 5GS to EPS | Keysight Technologies | 33.926 | 0075 | - | Rel-18 | F | SCAS\_5G\_Ph2 | not pursued |
| S3-233603 | Added UDM threat reference for use of an invalid and uncompressed point in ECIES protection scheme for SUCI decryption | BSI (DE) | 33.926 | 0076 | - | Rel-18 | F | SCAS\_5G\_Ph2 | revised |
| S3-233622 | Added UDM threat reference for use of an invalid and uncompressed point in ECIES protection scheme for SUCI decryption | BSI (DE) | 33.926 | 0076 | 1 | Rel-18 | F | SCAS\_5G\_Ph2 | revised |
| S3-233624 | Added UDM threat reference for use of an invalid and uncompressed point in ECIES protection scheme for SUCI decryption | BSI (DE) | 33.926 | 0076 | 2 | Rel-18 | F | SCAS\_5G\_Ph2 | revised |
| S3-233625 | Added UDM threat reference for use of an invalid and uncompressed point in ECIES protection scheme for SUCI decryption | BSI (DE), Deutsche Telekom AG | 33.926 | 0076 | 3 | Rel-18 | F | SCAS\_5G\_Ph2 | not pursued |
| S3-233610 | Correction of UDM service naming | BSI (DE) | 33.926 | 0077 | - | Rel-18 | F | SCAS\_5G\_Ph2 | agreed |
| S3-233773 | Addition of critical assets and threats specific to NSSAAF network product class | Huawei, HiSilicon | 33.926 | 0078 | - | Rel-17 | F | SCAS\_5G\_NSSAAF | agreed |
| S3-233774 | Addition of critical assets and threats specific to NSSAAF network product class | Huawei, HiSilicon | 33.926 | 0079 | - | Rel-18 | A | SCAS\_5G\_NSSAAF | agreed |
| S3-234141 | Rel- 8 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | 43.020 | 0065 | - | Rel-8 | F | TEI8 | withdrawn |
| S3-234142 | Rel- 9 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | 43.020 | 0066 | - | Rel-9 | A | TEI8 | withdrawn |
| S3-234143 | Rel- 10 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | 43.020 | 0067 | - | Rel-10 | A | TEI8 | withdrawn |
| S3-234144 | Rel- 11 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | 43.020 | 0068 | - | Rel-11 | A | TEI8 | withdrawn |
| S3-234145 | Rel- 12 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | 43.020 | 0069 | - | Rel-12 | A | TEI8 | withdrawn |
| S3-234146 | Rel- 13 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | 43.020 | 0070 | - | Rel-13 | A | TEI8 | withdrawn |
| S3-234147 | Rel- 14 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | 43.020 | 0071 | - | Rel-14 | A | TEI8 | withdrawn |
| S3-234148 | Rel- 15 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | 43.020 | 0072 | - | Rel-15 | A | TEI8 | withdrawn |
| S3-234149 | Rel- 16 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | 43.020 | 0073 | - | Rel-16 | A | TEI8 | withdrawn |
| S3-234150 | Rel- 17 CR Not anymore supported GPRS encryption algorithms | Nokia, Nokia Shanghai Bell | 43.020 | 0074 | - | Rel-17 | A | TEI8 | withdrawn |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S3-233506 | C1-232696 | LS on Handling of SOR counter and the UE parameter update counter if stored in NVM | C1-232696 | postponed | ???? |
| S3-233507 | C1-234362 | LS on Retrieving keys for decryption of protected IEs for U2N relay | C1-234362 | postponed | S3-234307 |
| S3-233508 | C1-234363 | Handling of access tokens provided by ECS to the EEC for accessing EES(s) | C1-234363 | replied to | S3-234153 |
| S3-233509 | C3-232563 | LS on AKMA service restrictions in Rel-17 | C3-232563 | postponed | ???? |
| S3-233510 | C3-232686 | Reply LS on CAPIF extensibility | C3-232686 | replied to | S3-234154 |
| S3-233511 | C4-224418 | LS on Authentication Result Removal | C4-224418 | postponed | ???? |
| S3-233512 | C4-230790 | LS on Removal of the uavAuthenticated IE from Create SM Context Request | C4-230790 | postponed | (none) |
| S3-233513 | C4-232462 | LS on Security Context Transfer between MBSF and MBSTF | C4-232462 | replied to | S3-234155 |
| S3-233514 | R2-2306693 | LS on Reporting of Relay UE C-RNTI and NCGI | R2-2306693 | postponed | S3-234095 |
| S3-233515 | R2-2306842 | LS to SA2 on sidelink positioning agreements | R2-2306842 | noted | (none) |
| S3-233516 | R5-233361 | LS response on Non-Support of Ciphering Algorithm GEA2 | R5-233361 | noted | (none) |
| S3-233517 | S1-231805 | Reply LS on 3GPP work on Energy Efficiency | S1-231805 | noted | (none) |
| S3-233518 | S2-2306210 | DNS over TLS (DoT) and DNS over HTTPS (DoH) | S2-2306210 | postponed | ???? |
| S3-233519 | S2-2307743 | Reply LS on ProSe Secondary Authentication | S2-2307743 | postponed | S3-233579 |
| S3-233520 | S2-2307787 | Reply LS on enforcement of AF specific identifier | S2-2307787 | noted | (none) |
| S3-233521 | S2-2307983 | LS on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs | S2-2307983 | noted | (none) |
| S3-233522 | S4-231111 | LS on 3GPP work on Energy Efficiency | S4-231111 | noted | (none) |
| S3-233523 | S5-234824 | LS on LS Reply on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541 | S5-234824 | noted | (none) |
| S3-233524 |  | Security for AI ML management capabilities | S5-234776 | postponed | (none) |
| S3-233525 |  | LS on user consent for UE location sharing | S6-230351 | replied to | S3-234308 |
| S3-233526 |  | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network | S6-231061 | replied to | S3-234309 |
| S3-233527 |  | LS on resolving the target KMS URI for a migrated MC service user | S6-231552 | replied to | S3-234157 |
| S3-233528 |  | Reply LS on Alignment of SA3 security aspects for Personal IoT Networks | S6-232076 | replied to | S3-234158 |
| S3-233529 |  | LS on REl-18 work on architecture for enabling Edge Applications | S6-232197 | noted | (none) |
| S3-233530 |  | Reply LS on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs | SP-230763 | noted | (none) |
| S3-233531 |  | LS to 3GPP on GSMA requirements for intermediaries in the roaming ecosystem | GSMA | noted | S3-234296 |
| S3-233532 |  | LS to 3GPP on the introduction of the domain “ipxnetwork.org” in addition to “3gppnetwork.org” | GSMA | replied to | S3-233786 |
| S3-233533 |  | LSout\_to\_3GPP\_SA3\_regarding\_TS33\_117\_SCAS\_Vulnerability | ETSI ISG NFV | replied to | S3-234159 |
| S3-233534 |  | Non-Support of Ciphering Algorithm GEA2 | GCF | postponed | ???? |
| S3-233535 |  | Non-Support of Ciphering Algorithm GEA2 mandated in Certification | GCF | noted | (none) |
| S3-233536 |  | LS on LI for AKMA in roaming | s3i230421 | postponed | S3-234310 |
| S3-233544 |  | Reply LS on object acquisition | S4aI230134 | noted | (none) |
| S3-234132 |  | DTLS for SCTP next steps and request for input | IETF Transport Area Working Group | replied to | S3-234160 |
| S3-234133 |  | Invalid Curve Attack on the 5G SUCI Privacy | GSMA | postponed | (none) |
| S3-234134 |  | SAGE-23-01 Specification of Milenage-256 finalized | ETSI SAGE | noted | (none) |
| S3-234135 |  | CVD-2023-0069 – 5G Core Network Attacks | GSMA | postponed | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S3-233786 | LS on ipx domain | GSMA 5GMRR, 3GPP SA1 | SA2, CT4 | S3-233532 |
| S3-234153 | Reply LS on Handling of access tokens provided by ECS to the EEC for accessing EES(s) | CT1 | SA6, CT3 | S3-233508 |
| S3-234154 | LS.reply on CAPIF extensibility | CT3 | SA6,ETSI MEC | S3-233510 |
| S3-234155 | Reply LS on Security Context Transfer between MBSF and MBSTF | CT4, SA4 | SA2, CT3 | S3-233513 |
| S3-234157 | Reply LS on resolving the target KMS URI for a migrated MC service user | SA6 | - | S3-233527 |
| S3-234158 | Reply to LS on Alignment of SA3 security aspects for Personal IoT Networks | SA6 | SA2 | S3-233528 |
| S3-234159 | Reply LS on Authenticated Vulnerability Testing | ETSI ISG NFV-SEC | - | S3-233533 |
| S3-234160 | Reply LS to DTLS for SCTP next steps and request for input | IETF Transport Area Working Group | RAN3 | S3-234132 |
| S3-234173 | LS out to CT and RAN on Mitigating Downgrade Attacks | CT1, RAN2 | - | - |
| S3-234267 | LS on the user consent for trace reporting S3-223162 | RAN3 | RAN2, SA5, SA1, RAN | - |
| S3-234270 | LS on privacy profile | SA2 | - |  |
| S3-234291 | LS on NSWO support in SNPN using CH AAA server | SA2 | - | - |
| S3-234296 | LS on 5G roaming | SA1,GSMA5GMRR | - | - |
| S3-234308 | Reply LS on user consent for UE location sharing (S6-230351) | SA6 | - | S3-233525 |
| S3-234309 | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network (S6-231061) | SA6 | SA2 | S3-233526 |
| S3-234330 | LS to SA6 on SEAL key management provisioning procedure | SA6 | - |  |
| S3-234350 | LS on 5GSA roaming hub based roaming | GSMA NG | - |  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S3-233956 | Revised SID on enhancement of AKMA | China Mobile | SID revised |
| S3-234332 | New WID on 5G Security Assurance Specification (SCAS) for the Unified Data Repository (UDR) | BSI (DE) | WID new |
| S3-234333 | New WID on 5G Security Assurance Specification (SCAS) for the Short Message Service Function (SMSF) | IIT Bombay | WID new |
| S3-234334 | New WID on Addition of 256-bit security Algorithms | Nokia, Nokia Shanghai Bell | WID new |
| S3-234349 | New WID on SCAS for Rel-18 features | Huawei, HiSilicon | WID new |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S3-234182 | 33.848 | 0.15.0 | Draft TR 33.848 |
| S3-234190 | 33.870 | 0.8.0 | Draft TR 33.870 |
| S3-234193 | 33.739 | 0.9.0 | Draft TR 33.739 |
| S3-234263 | 33.533 | 0.2.0 | Draft TS 33.533 |
| S3-234317 | 33.892 | 1.1.0 | Draft TR 33.892 |
| S3-234318 | 33.894 | 0.8.0 | Draft TR 33.894 |

## Annex F: List of participants

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented |
| Mr. | Ai | Ming | CATT | CICT |
| Mr. | Alsterlid | Stefan | Sectra Communications AB | Sectra Communications AB |
| Mr. | Andreas | Joerg | BSI (DE) | BSI (DE) |
| Dr. | Baskaran | Sheeba Backia Mary | Motorola Mobility Germany GmbH | Motorola Mobility France S.A.S |
| Dr. | Ben Henda | Noamen | Huawei Technologies Sweden AB | Huawei Technologies Sweden AB |
| Mr. | Bhatt | Rakshesh P. | Nokia Japan | Nokia Japan |
| Mr. | Biju | Goel | BT plc | BT plc |
| Mr. | Bjerrum | Bo Holm | Nokia Corporation | Nokia Netherlands |
| Mr. | Brusilovsky | Alec | InterDigital, Inc. | InterDigital, Europe, Ltd. |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI |
| Ms. | Carducci | Candace | Johns Hopkins University APL | Johns Hopkins University APL |
| Mr. | Chen | Dong | Beijing Xiaomi Mobile Software | Beijing Xiaomi Electronics |
| Ms. | Cho | Min Kyoung | Deloitte Tohmatsu Cyber LLC | KDDI Corporation |
| Mr. | Choi | Hongjin | Samsung R&D Institute UK | Samsung Nanjing |
| Mr. | Cichonski | Jeff | NIST | NIST |
| Mr. | Cong | Shi | Guangdong OPPO Mobile Telecom. | Hangzhou Mengyuxiang |
| Dr. | Corbett | Cherita | Johns Hopkins University APL | Johns Hopkins University APL |
| Mr. | Doerr | Johannes | BMWK | BMWK |
| Mr. | Doubrava | Michael | BSI (DE) | BSI (DE) |
| Mr. | Eckel | Charles | Cisco Systems Belgium | Cisco Systems Belgium |
| Dr. | Ekdahl | Patrik | Ericsson LM | Ericsson Telecomunicazioni SpA |
| Dr. | Engström | Alexander | NDRE | NDRE |
| Dr. | Escott | Adrian | Qualcomm CDMA Technologies | Qualcomm Incorporated |
| Mr. | Evans | Tim P. | VODAFONE Group Plc | Vodafone España SA |
| Mr. | Ferdi | Samir | InterDigital, Inc. | InterDigital France R&D, SAS |
| Mr. | Gabay | David | MITRE Corporation | MITRE Corporation |
| Ing. | Gallo | Luigi | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Mr. | Gamishev | Todor | Orange | Orange |
| Mr. | Gao | Weihan | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Dr. | Garcia-Morchon | Oscar | Philips International B.V. | Philips International B.V. |
| Mr. | Goldberg | Martin | U.S. National Security Agency | U.S. National Security Agency |
| Ms. | Guo | Ivy | Apple Computer Trading Co. Ltd | Apple Computer Trading Co. Ltd |
| Mr. | Guo | Longhua | HUAWEI TECH. GmbH | HuaWei Technologies Co., Ltd |
| Mr. | Hanhisalo | Markus | Ericsson LM | Ericsson LM |
| Mr. | Hasselquist | David | Sectra Communications AB | Sectra Communications AB |
| Mr. | Hawbaker | Tyler | OTD\_US | OTD\_US |
| Mr. | Hoffpauir | Dusty | Charter Communications, Inc | Charter Communications, Inc |
| Miss | Jerichow | Anja | Nokia Germany | Nokia Austria |
| Ms. | Jindal | Kumud | Department of Telecom | Department of Telecom |
| Dr. | Jost | Christine | Ericsson LM | Ericsson Hungary Ltd |
| Dr. | K | Sowjanya | TSDSI | IIT Delhi |
| Mr. | Kakinada | Achari | Charter Communications, Inc | Charter Communications, Inc |
| Dr. | Karakoc | Ferhat | Ericsson LM | Ericsson GmbH, Eurolab |
| Dr. | Keesmaat | Iko | TNO | TNO |
| Dr. | Khan | Mohsin | Ericsson LM | Oy LM Ericsson AB |
| Mr. | Khare | Saurabh | Nokia Germany | Nokia Solutions & Networks (I) |
| Mr. | Kim | Anbin | LG Electronics France | LG Electronics Polska |
| Dr. | Kim | Hongil | Qualcomm Incorporated | Qualcomm Technologies Ireland |
| Mr. | Kolekar | Abhijeet | Intel Corporation (UK) Ltd | Intel Korea, Ltd. |
| Dr. | Kunz | Andreas | Motorola Mobility Germany GmbH | Motorola Mobility UK Ltd. |
| Mr. | Laitinen | Mika | Airbus | Airbus |
| Mr. | Leadbeater | Alex | GSM Association | GSM Association |
| Mr. | Lee | Xiaoyang | CISA ECD | CISA ECD |
| Dr. | Lei | Ao | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Japan K.K. |
| Dr. | Lei | Zander (Zhongding) | HuaWei Technologies Co., Ltd | Huawei Tech.(UK) Co.. Ltd |
| Mr. | Li | Fei | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Telecommunication India |
| Mr. | Li | He | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI TECHNOLOGIES Co. Ltd. |
| Dr. | Liang | Haoran | Xiaomi Communications | Xiaomi Communications |
| Mr. | Liu | Chang | China Mobile Com. Corporation | China Mobile International Ltd |
| Mr. | LIU | Jianning(Carry) | Beijing Xiaomi Software Tech | Xiaomi EV Technology |
| Miss | Liu | Peilin | ZTE Corporation | ShenZhen Zhongxing Shitong |
| Mr. | Liu | Yuze | ZTE Corporation | ZTE Japan K.K. |
| Mr. | Lorenz | Ben | BSI (DE) | BSI (DE) |
| Mr. | Loushine | Mike | AT&T | AT&T |
| Ms. | Lu | Wei | Xiaomi Technology | Xiaomi Technology |
| Mr. | Lunny | Daniel | BT plc | BT plc |
| Mr. | Manganahalli Jayaprakash | Sandesh | TNO | KPN N.V. |
| Mr. | MAO | Yuxin | Beijing Xiaomi Mobile Software | Beijing Xiaomi Software Tech |
| Mr. | Nair | Suresh | Nokia Germany | Nokia |
| Dr. | Nakano | Yuto | KDDI Corporation | KDDI Corporation |
| Dr. | Nuggehalli | Pavan | Google Inc. | Google Inc. |
| Mr. | O'Driscoll | James | NCSC | NCSC |
| Mr. | Orkopoulos | Stawros | Nokia Germany | Nokia Italy |
| Mr. | Palanigounder | Anand | Qualcomm Technologies Int | Qualcomm India Pvt Ltd |
| Mr. | Panda | Manas Kumar | Department of Telecom | Department of Telecom |
| Ms. | Parambath Sasi | NIvedya | Samsung R&D Institute India | Samsung R&D Institute India |
| Dr. | Park | Junhyun | Samsung R&D Institute UK | Harman GmbH |
| Mr. | Parsel | Mike | T-Mobile USA | T-Mobile USA Inc. |
| Mr. | Pätzold | Thomas | Deutsche Telekom AG | Deutsche Telekom AG |
| Mrs. | Pauliac | Mireille | THALES | THALES |
| Mr. | Peinado | German | Nokia Germany | Nokia Poland |
| Miss | Ping | Jing | Nokia Germany | Nokia Korea |
| Mr. | Qi | Minpeng | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | Rajadurai | Rajavelsamy | Samsung R&D Institute UK | Samsung Electronics Co., Ltd |
| Mr. | Ramanan | Sivasubramaniam | HOME OFFICE | HOME OFFICE |
| Mr. | Rathod | Niraj | Ericsson LM | Ericsson-LG Co., LTD |
| Mrs. | Rong | Wu | HUAWEI TECHNOLOGIES Co. Ltd. | HiSilicon Technologies Co. Ltd |
| Mr. | Rönnäng | Anders | Security Service | Security Service |
| Mr. | Sabah | Noureddine | Philips International B.V. | Philips International B.V. |
| Ing. | Sánchez | Antonio | Keysight Technologies UK Ltd | Keysight Technologies UK Ltd |
| Mr. | Schäfer | Pascal | umlaut | umlaut |
| Mr. | Schumacher | Gregory | Peraton Labs | Peraton Labs |
| Miss | shang | zhengyi | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Ms. | Shen | Jun | China Telecommunications | China Telecommunications |
| Mrs. | Stanetsky | Nataliya | Google Ireland Limited | Google Inc. |
| Ms. | Stange | Miyana | umlaut | umlaut |
| Dr. | Targali | Yousif | Verizon UK Ltd | Verizon Sweden |
| Dr. | Tsiatsis | Vlasios | Ericsson LM | Ericsson España S.A. |
| Mr. | Vujcic | Dragan | IDEMIA | IDEMIA |
| Dr. | Wan | Tao | CableLabs | CableLabs |
| Dr. | Wang | Zhibi | InterDigital Communications | InterDigital Belgium. LLC |
| Ms. | Wifvesson | Monica | Ericsson LM | Ericsson Limited |
| Mr. | Wong | Marcus | OPPO | OPPO |
| Mr. | Woodward | Tim | Motorola Solutions Danmark A/S | Motorola Solutions Danmark A/S |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Miss | Xie | Zecheng | China Unicom | VSENS |
| Mr. | Xing | TianQi | China Unicom | China Unicom |
| Miss | Xiong | Lihui | OPPO | Hangzhou Douku |
| Dr. | Yao | Ge | China Unicom | China Unicom |
| Mr. | You | Shilin | ZTE Corporation | ZTE JAPAN K.K. |
| Dr. | Zhang | Bo | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies France |
| Ms. | ZHAO | BEI | China Mobile Com. Corporation | CMDI |
| Mr. | Zhou | Wei | CATT | CATT |
| Mr. | Zhu | Zengbao | BUPT | BUPT |
| Dr. | Zugenmaier | Alf | NTT DOCOMO INC. | NTT DOCOMO INC. |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA3#113 | 2023-11-06 | 2023-11-10 | Chicago | US | S3-113 |
| SA3#91-LI-e-b | 2023-11-27 | 2023-11-28 | Online |  | S3-91-LI-e-b |
| SA3#114 CANCELLED | 2024-01-22 | 2024-01-26 | TBD |  | S3-114 |
| SA3#92-LI - CANCELLED | 2024-01-23 | 2024-01-26 | Sophia Antipolis | FR | S3-92-LI |
| SA3#92-LI | 2024-01-30 | 2024-02-02 | EU | EU | S3-92-LI |
| SA3#115 | 2024-02-26 | 2024-03-01 | Athens | GR | S3-115 |
| SA3#93-LI | 2024-04-16 | 2024-04-19 | US | US | S3-93-LI |
| SA3#116-(option 2) | 2024-05-20 | 2024-05-24 | TBD |  | S3-116 |
| SA3#94-LI | 2024-07-09 | 2024-07-12 | EU | EU | S3-94-LI |
| SA3#117 | 2024-08-26 | 2024-08-30 | Maastricht | NL | S3-117 |
| SA3#118 | 2024-10-07 | 2024-10-11 | India | IN | S3-118 |
| SA3#95-LI | 2024-10-29 | 2024-11-01 | US | US | S3-95-LI |
| SA3#119 | 2024-11-11 | 2024-11-15 | Orlando | US | S3-119 |