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

**Meeting Report  
for  
TSG SA WG3  
meeting: 108**

**Electronic meeting, Online, 22/08/2022 to 26/08/2022**

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## 1 Agenda and Meeting Objectives

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.

**NOTE: Tdoc S3-221715 contains a summary of all email discussions.**

**S3-221710 Agenda**

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

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

**S3-221712 Report from SA3#107e ad-Hoc**

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

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

**S3-221713 Process for SA3#108e**

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

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

**S3-221716 Process and agenda planning for SA3#108e**

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

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

## 2 Meeting Reports

**S3-221711 Report from SA3#107e**

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

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

**S3-221714 Report from last SA**

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

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

**S3-221715 Meeting notes from SA3 leadership**

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

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

## 3 Reports and Liaisons from other Groups

**S3-221745 TCG progress - report from TCG rapporteur**

*Type: other For: Information  
 Source: InterDigital, Inc.*

**Abstract:**

This contribution provides a brief incremental summary of the progress in TCG Working Groups as of August 2022.

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

**S3-221718 Reply LS on EPS fallback enhancements**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C1-223535*

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

**S3-221719 LS on user’s consent for EDGEAPP**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C3-223780*

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

**S3-221964 [DRAFT] Reply LS on user’s consent for EDGEAPP**

*Type: LS out For: Approval  
 to CT3, cc SA2, SA6, CT4  
 Source: Ericsson*

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

**S3-222089 Reply LS on User Consent for EDGEAPP**

*Type: LS out For: Approval  
 to CT3, SA6, cc SA2, CT4  
 Source: Huawei, HiSilicon*

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

**S3-221976 LS reply to 3GPP on Alignment of EDGEAPP and ETSI MEC**

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

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

**S3-221734 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: S6-221953*

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

**S3-222038 draft-Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network**

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

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

**S3-221720 LS on CT specification on Control Plane based security procedures for 5G ProSe UE-to-Network Relay**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: CP-221322*

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

**S3-221735 Reply LS on 5G ProSe security open items**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: SP-220716*

**Decision:** The document was **replied to in S3-222363**.

**S3-221732 LS on 5G ProSe security open items**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2204904*

**Decision:** The document was **replied to in S3-222363**.

**S3-221721 LS to 3GPP on user plane security**

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

**Decision:** The document was **replied to in S3-222426**.

**S3-222132 UP IP security**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1470 Cat: F (Rel-17)  
  
 Source: China Mobile*

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

**S3-222131 LS reply on User plane security**

*Type: LS out For: Approval  
 to GSMA  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222426**.

**S3-222426 LS reply on User plane security**

*Type: LS out For: Approval  
 to GSMA  
 Source: China Mobile*

(Replaces S3-222131)

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

**S3-221788 LS reply on user plane security**

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

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

**S3-221722 LS on 3GPP TS 29.244**

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

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

**S3-221723 East/West Bound Interface for Telco Edge consideration**

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

**Decision:** The document was **replied to in S3-222360**.

**S3-221790 LS reply on East/West Bound Interface for Telco Edge consideration**

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

**Decision:** The document was **revised to S3-222360**.

**S3-221724 LS on UE’s LTE UPIP capability for EN-DC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-223915*

**Decision:** The document was **replied to in S3-222432**.

**S3-221725 Reply LS on User Consent Updating**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-224076*

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

**S3-221726 Reply LS on UE capabilities indication in UPU**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2204722*

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

**S3-221727 LS on Joint CC for support of LI at HO for S8 Home routing**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2204731*

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

**S3-221728 Reply LS on the impact of MSK update on MBS multicast session update procedure**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2204741*

**Decision:** The document was **replied to in S3-222391**.

**S3-221729 Reply LS on Clarifications on Nmbstf\_MBSDistributionSession service**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2204742*

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

**S3-221730 LS OUT on Indication of Network Assisted Positioning method**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2204744*

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

**S3-221731 LS OUT on alignment of non-seamless NSW handling**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2204752*

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

**S3-221736 LS on X.5Gsec-vs (X.1813): Security requirements for the operation of vertical services supporting ultra- reliable and low latency communication (URLLC) in the IMT-2020 private networks**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T Study Group 17*

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

**S3-221739 LS on consent of ITU-T Q.3062 (ex Q.Pro-Trust) and ITU-T Q.3063 (ex Q.CIDA)**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG11*

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

**S3-221740 Facilitating roaming adoption across 3GPP NPN deployments**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: WBA OpenRoaming Technical Standards Task Group*

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

**S3-222040 draft-Reply LS on Facilitating roaming adoption across 3GPP NPN deployments**

*Type: LS out For: (not specified)  
 to WBA OpenRoaming Technical Standards Task Group  
 Source: Intel*

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

**S3-221738 LS on authentication type and related information of MSGin5G service**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C1-223957*

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

**S3-221789 User plane security for Non-SBA based interfaces**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1430 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-222360 LS reply on East/West Bound Interface for Telco Edge consideration**

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

(Replaces S3-221790)

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

**S3-222391 Reply LS on the impact of MSK update on MBS multicast session update procedure**

*Type: LS out For: Approval  
 to SA2, CT1, SA4, cc CT4  
 Source: Huawei, HiSilicon*

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

**S3-222393 Reply LS on UEs LTE UPIP capability for EN-DC**

*Type: LS out For: Approval  
 to RAN3  
 Source: Huawei, HiSilicon, Ericsson*

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

**S3-222259 Reply LS on PLMN ID used in Roaming Scenarios**

*Type: LS in For: Discussion  
 Original outgoing LS: -, to -, cc -  
 Source: C4-224444*

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

## 4 Work areas (Rel-18)

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

**S3-221937 TS33.526 MnF threats**

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

**Decision:** The document was **revised to S3-222329**.

**S3-221938 TS33.526 Mnf\_test cases**

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

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

**S3-222114 Update clause 4.2.3**

*Type: pCR For: Approval  
 33.526 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-222115 Update clause 4.2.4**

*Type: pCR For: Approval  
 33.526 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-222116 Update clause 4.2.5, and 4.2.6**

*Type: pCR For: Approval  
 33.526 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222267**.

**S3-222117 Add new content for clause 4.3**

*Type: pCR For: Approval  
 33.526 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-222118 Add new content for clause 4.4**

*Type: pCR For: Approval  
 33.526 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-222119 Living document for MnF SCAS**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222265**.

**S3-222122 add a new requirement and test case**

*Type: pCR For: Approval  
 33.526 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-222265 Living document for MnF SCAS**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Huawei, HiSilicon*

(Replaces S3-222119)

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

**S3-222266 TS33.526 MnF threats**

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

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

**S3-222267 Update clause 4.2.5, and 4.2.6**

*Type: pCR For: Approval  
 33.526 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-222116)

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

**S3-222269 new draft TS 33.526 MnF SCAS**

*Type: draft TS For: Approval  
 33.526 v0.3.0  
 Source: Huawei Technologies Sweden AB*

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

**S3-222329 TS33.526 MnF threats**

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

(Replaces S3-221937)

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

**S3-222387 Update clause 4.2.5, and 4.2.6**

*Type: pCR For: Approval  
 33.526 v0.2.0  
 Source: Huawei, HiSilicon*

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

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

**S3-222144 Adding overview of SECAM for 3GPP virtualized networ products into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222407**.

**S3-222145 Adding Scope of SECAM for 3GPP virtualized network products of type 1 into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222408**.

**S3-222146 Adding Scope of SECAM for 3GPP virtualized network products of type 2 into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222147 Adding Scope of SECAM for 3GPP virtualized network products of type 3 into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222148 Adding Scope of SECAM evaluation for type 1 of 3GPP virtualized network products into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222409**.

**S3-222149 Adding Scope of SECAM evaluation for type 2 of 3GPP virtualized network products into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222150 Adding Scope of SECAM evaluation for type 3 of 3GPP virtualized network products into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222151 Adding Scope of SECAM accreditation for type 1 of 3GPP virtualized network products into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222410**.

**S3-222152 Adding Scope of SECAM accreditation for type 2 of 3GPP virtualized network products into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222153 Adding Scope of SECAM accreditation for type 3 of 3GPP virtualized network products into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222154 Adding contents of chapters 4.5 about type 1 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222411**.

**S3-222155 Adding contents of chapters 4.5 about type 2 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222156 Adding contents of chapters 4.5 about type 3 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222157 Adding contents of chapters 4.6 for type 1 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222158 Adding contents of chapters 4.6 for type 2 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222159 Adding contents of chapters 4.6 for type 3 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222160 Adding contents of chapters 4.7 for type 1 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222412**.

**S3-222161 Adding contents of chapters 4.7 for type 2 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222162 Adding contents of chapters 4.7 for type 3 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222163 Adding contents of chapters 4.8 for type 1 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222413**.

**S3-222164 Adding contents of chapters 4.8 for type 2 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222165 Adding contents of chapters 4.8 for type 3 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222166 Adding contents of chapters 4.9 for type 1 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222167 Adding contents of chapters 4.9 for type 2 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222168 Adding contents of chapters 4.9 for type 3 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222169 Adding contents of chapters 4.10 for type 1 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222170 Adding contents of chapters 4.10 for type 2 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222171 Adding contents of chapters 4.10 for type 3 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222172 Adding content to clause 5.1 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222414**.

**S3-222173 Adding description about general content of SCAS document and ToE to clause 5.2 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222415**.

**S3-222174 Adding description about SPD to clause 5.2 in TR33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222416**.

**S3-222175 Adding description about methodology of security requirements to clause 5.2 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222417**.

**S3-222176 Adding description about improvement of SCAS and new potential security requirements to clause 5.3 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222177 Adding description about basic vulnerability testing requirements for GVNP to clause 5.4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

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

**S3-222178 Proposal to add overview in clause 4 Generic Virtulizated Network Product (GVNP) class for type 1 in TR 33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222418**.

**S3-222179 Proposal to add overview in clause 4 Generic Virtulizated Network Product (GVNP) class for type 2 in TR 33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

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

**S3-222180 Proposal to add overview in clause 4 Generic Virtulizated Network Product (GVNP) class for type 3 in TR 33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

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

**S3-222181 Proposal to add clause 4.2 Minimum set of functions defining the GVNP class in TR 33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

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

**S3-222182 Proposal to add introduction in clause 4.3 Generic virtualized network product model for type 1 in TR33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222419**.

**S3-222183 Proposal to add introduction in clause 4.3 Generic virtualized network product model for type 2 in TR33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

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

**S3-222184 Proposal to add introduction in clause 4.3 Generic virtualized network product model for type 3 in TR33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

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

**S3-222185 Proposal to add GVNP model of type 1 in TR 33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222420**.

**S3-222186 Proposal to add GVNP model of type 2 in TR 33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

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

**S3-222187 Proposal to add GVNP model of type 3 in TR 33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

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

**S3-222407 Adding overview of SECAM for 3GPP virtualized networ products into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

(Replaces S3-222144)

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

**S3-222408 Adding Scope of SECAM for 3GPP virtualized network products of type 1 into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

(Replaces S3-222145)

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

**S3-222409 Adding Scope of SECAM evaluation for type 1 of 3GPP virtualized network products into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

(Replaces S3-222148)

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

**S3-222410 Adding Scope of SECAM accreditation for type 1 of 3GPP virtualized network products into clause 4 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

(Replaces S3-222151)

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

**S3-222411 Adding contents of chapters 4.5 about type 1 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

(Replaces S3-222154)

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

**S3-222412 Adding contents of chapters 4.7 for type 1 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

(Replaces S3-222160)

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

**S3-222413 Adding contents of chapters 4.8 for type 1 of 3GPP virtualized network product in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

(Replaces S3-222163)

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

**S3-222414 Adding content to clause 5.1 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

(Replaces S3-222172)

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

**S3-222415 Adding description about general content of SCAS document and ToE to clause 5.2 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

(Replaces S3-222173)

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

**S3-222416 Adding description about SPD to clause 5.2 in TR33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

(Replaces S3-222174)

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

**S3-222417 Adding description about methodology of security requirements to clause 5.2 in TR 33.936**

*Type: pCR For: Approval  
 33.936 v0.2.0  
 Source: China Mobile*

(Replaces S3-222175)

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

**S3-222418 Proposal to add overview in clause 4 Generic Virtulizated Network Product (GVNP) class for type 1 in TR 33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

(Replaces S3-222178)

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

**S3-222419 Proposal to add introduction in clause 4.3 Generic virtualized network product model for type 1 in TR33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

(Replaces S3-222182)

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

**S3-222420 Proposal to add GVNP model of type 1 in TR 33.927**

*Type: pCR For: Approval  
 33.927 v0.1.0  
 Source: China Mobile*

(Replaces S3-222185)

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

**S3-222421 TR 33.936**

*Type: draft TR For: (not specified)  
 33.936 v0.3.0  
 Source: China Mobile*

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

**S3-222422 TR 33.927**

*Type: draft TR For: (not specified)  
 33.927 v0.2.0  
 Source: China Mobile*

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

### 4.3 New WID on Mission critical security enhancements phase 3

**S3-221750 [33.180] R18 MC client clarification**

*Type: CR For: Agreement  
 33.180 v17.6.0 CR-0194 Cat: F (Rel-18)  
  
 Source: Motorola Solutions Danmark A/S*

**Abstract:**

Clarify the use of relays and non-3GPP MC clients

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

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

**S3-221753 New test case to cover the AAnF provisioning**

*Type: CR For: Approval  
 33.516 v17.0.0 CR-0003 Cat: B (Rel-17)  
  
 Source: Keysight Technologies UK Ltd*

**Abstract:**

Added new test case to cover the provision of Key material to AAnF from the AUSF

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

**S3-221875 Add a test case in TS 33.216**

*Type: draftCR For: Approval  
 33.216 v16.7.0  
 Source: ZTE Corporation*

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

**S3-221939 new threat for KAUSF handling**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Huawei,HiSilicon*

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

**S3-221940 token verification modification to include SNPN snenario**

*Type: draftCR For: Approval  
 33.117 v17.0.0  
 Source: Huawei,HiSilicon*

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

**S3-221941 PLMNID verification modification to include SNPN scenario**

*Type: draftCR For: Approval  
 33.517 v17.0.0  
 Source: Huawei,HiSilicon*

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

**S3-222098 supporting UP IP at eNB**

*Type: draftCR For: Approval  
 33.216 v16.7.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222381**.

**S3-222099 UP IP policy selection-R18**

*Type: draftCR For: Approval  
 33.216 v16.7.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222382**.

**S3-222100 locally UP IP supporting at eNB**

*Type: draftCR For: Approval  
 33.216 v16.7.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222383**.

**S3-222102 draft CR to 33.926 on locally UP IP supporting at eNB**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222384**.

**S3-222103 draft CR to 33.926 on UP IP policy selection at eNB**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222385**.

**S3-222104 Living document to TR 33.926 for SCAS 5G Ph2**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222386**.

**S3-222105 update testcase in clause 4.2.3.2.4**

*Type: draftCR For: Approval  
 33.117 v17.0.0  
 Source: Huawei, HiSilicon*

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

**S3-222106 Update requirement and add new test case to clause 4.2.3.4.3.1**

*Type: draftCR For: Approval  
 33.117 v17.0.0  
 Source: Huawei, HiSilicon*

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

**S3-222107 Update requirement and add new test case to clause 4.2.3.4.3.2**

*Type: draftCR For: Approval  
 33.117 v17.0.0  
 Source: Huawei, HiSilicon*

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

**S3-222261 New test case to cover the AAnF provisioning**

*Type: draftCR For: Approval  
 33.516 v17.0.0  
 Source: Keysight Technologies UK Ltd*

**Abstract:**

Added new test case to cover the provision of Key material to AAnF from the AUSF. The requirement is defined in TS 33.535

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

**S3-222381 supporting UP IP at eNB**

*Type: draftCR For: Approval  
 33.216 v16.7.0  
 Source: Huawei, HiSilicon*

(Replaces S3-222098)

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

**S3-222382 UP IP policy selection-R18**

*Type: draftCR For: Approval  
 33.216 v16.7.0  
 Source: Huawei, HiSilicon*

(Replaces S3-222099)

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

**S3-222383 locally UP IP supporting at eNB**

*Type: draftCR For: Approval  
 33.216 v16.7.0  
 Source: Huawei, HiSilicon*

(Replaces S3-222100)

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

**S3-222384 draft CR to 33.926 on locally UP IP supporting at eNB**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Huawei, HiSilicon*

(Replaces S3-222102)

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

**S3-222385 draft CR to 33.926 on UP IP policy selection at eNB**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Huawei, HiSilicon*

(Replaces S3-222103)

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

**S3-222386 Living document to TR 33.926 for SCAS 5G Ph2**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Huawei, HiSilicon*

(Replaces S3-222104)

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

**S3-222389 Living document to TS 33.216**

*Type: draftCR For: Approval  
 33.216 v16.7.0  
 Source: Huawei, HiSilicon*

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

**S3-222390 Living document to TS 33.117**

*Type: draftCR For: Approval  
 33.117 v17.0.0  
 Source: Huawei, HiSilicon*

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

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

**S3-221752 New group of test cases deriving from TS 33.117 for SCAS AAnF**

*Type: pCR For: Approval  
 33.537 v0.1.0  
 Source: Keysight Technologies UK Ltd*

**Abstract:**

This document contains the changes to clause 4.2.4 to 4.4, inheritance from TS 33.117.

**Decision:** The document was **revised to S3-222260**.

**S3-221876 Adding AAnF critical assets to TS 33.926**

*Type: other For: Approval  
 33.926 v..  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-222369**.

**S3-221877 Adding AKMA subscription asynchronization threats to TS 33.926**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: ZTE Corporation*

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

**S3-221878 Security Assurance Requirement and Test for AKMA subscription synchronization in the AAnF**

*Type: pCR For: Agreement  
 33.537 v0.1.0  
 Source: ZTE Corporation*

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

**S3-222108 AAnF authorized the AF**

*Type: pCR For: Approval  
 33.537 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222109 NEF authorized the AF**

*Type: pCR For: Approval  
 33.537 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222110 AAnF replies error response**

*Type: pCR For: Approval  
 33.537 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222111 draft CR to 33.926 on AAnF authorizes the AF**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Huawei, HiSilicon*

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

**S3-222112 draft CR to 33.926 on NEF authorizes the AF**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Huawei, HiSilicon*

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

**S3-222113 draft CR to 33.926 on error response**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Huawei, HiSilicon*

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

**S3-222134 Introduction of AAnF-specific security requirements and related test cases**

*Type: pCR For: Approval  
 33.537 v0.1.0  
 Source: China Mobile*

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

**S3-222135 General description of clause 4.2.2**

*Type: pCR For: Approval  
 33.537 v0.1.0  
 Source: China Mobile*

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

**S3-222136 Adding AAnF critical assets and threats to TS 33.926**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: China Mobile*

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

**S3-222137 Adding a test case of AKMA key strorage and update**

*Type: pCR For: Approval  
 33.537 v0.1.0  
 Source: China Mobile*

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

**S3-222138 Adding technical baseline text**

*Type: pCR For: Approval  
 33.537 v0.1.0  
 Source: China Mobile*

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

**S3-222139 Adding text to clause 4.2.4**

*Type: pCR For: Approval  
 33.537 v0.1.0  
 Source: China Mobile*

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

**S3-222140 Adding text to clause 4.2.5**

*Type: pCR For: Approval  
 33.537 v0.1.0  
 Source: China Mobile*

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

**S3-222141 Adding text to clause 4.2.6**

*Type: pCR For: Approval  
 33.537 v0.1.0  
 Source: China Mobile*

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

**S3-222142 Living document for AAnF SCAS – draftCR to TR 33.926**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222270**.

**S3-222260 New group of test cases deriving from TS 33.117 for SCAS AAnF**

*Type: pCR For: Approval  
 33.537 v0.1.0  
 Source: Keysight Technologies UK Ltd*

(Replaces S3-221752)

**Abstract:**

This document contains the changes to clause 4.3 to 4.4, inheritance from TS 33.117.

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

**S3-222270 Living document for AAnF SCAS – draftCR to TR 33.926**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: China Mobile*

(Replaces S3-222142)

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

**S3-222276 draft TS 33.537**

*Type: draft TS For: Approval  
 33.537 v0.2.0  
 Source: China Mobile*

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

**S3-222369 Adding AAnF critical assets to TS 33.926**

*Type: other For: Approval  
 33.926 v..  
 Source: ZTE Corporation*

(Replaces S3-221876)

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

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

**S3-221813 Discussion paper on draft CR to TR 33.926 for split gNB**

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

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

**S3-221814 Introducing split gNBs into TR 33.926**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Qualcomm Incorporated*

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

**S3-221815 Proposed text for gNB-CU part of draft CR to TR 33.926**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

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

**S3-221816 Proposed text for gNB-CU-CP part of draft CR to TR 33.926**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

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

**S3-221817 Proposed text for gNB-CU-UP part of draft CR to TR 33.926**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-222307**.

**S3-221818 Proposed text for gNB-DU part of draft CR to TR 33.926**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-222308**.

**S3-221819 Discussion paper on 33.501 test cases for TS 33.742 SCAS for split gNB**

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

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

**S3-221820 Proposed text for gNB-CU test cases from TS 33.501 for TS 33.742**

*Type: pCR For: Approval  
 33.742 v0.1.0  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-222309**.

**S3-221821 Proposed text for gNB-CU-CP test cases from TS 33.501 for TS 33.742**

*Type: pCR For: Approval  
 33.742 v0.1.0  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-222310**.

**S3-222310 Proposed text for gNB-CU-CP test cases from TS 33.501 for TS 33.742**

*Type: pCR For: Approval  
 33.742 v0.1.0  
 Source: Qualcomm Incorporated*

(Replaces S3-221821)

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

**S3-221822 Proposed text for gNB-CU-UP test cases from TS 33.501 for TS 33.742**

*Type: pCR For: Approval  
 33.742 v0.1.0  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-222312**.

**S3-221823 Proposed text for gNB-DU test cases from TS 33.501 for TS 33.742**

*Type: pCR For: Approval  
 33.742 v0.1.0  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-222313**.

**S3-221824 Proposed corrections for TS 33.742**

*Type: pCR For: Approval  
 33.742 v0.1.0  
 Source: Qualcomm Incorporated*

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

**S3-222307 Proposed text for gNB-CU-UP part of draft CR to TR 33.926**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

(Replaces S3-221817)

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

**S3-222308 Proposed text for gNB-DU part of draft CR to TR 33.926**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

(Replaces S3-221818)

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

**S3-222309 Proposed text for gNB-CU test cases from TS 33.501 for TS 33.742**

*Type: pCR For: Approval  
 33.742 v0.1.0  
 Source: Qualcomm Incorporated*

(Replaces S3-221820)

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

**S3-222312 Proposed text for gNB-CU-UP test cases from TS 33.501 for TS 33.742**

*Type: pCR For: Approval  
 33.742 v0.1.0  
 Source: Qualcomm Incorporated*

(Replaces S3-221822)

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

**S3-222313 Proposed text for gNB-DU test cases from TS 33.501 for TS 33.742**

*Type: pCR For: Approval  
 33.742 v0.1.0  
 Source: Qualcomm Incorporated*

(Replaces S3-221823)

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

**S3-222321 TS 33.742**

*Type: draft TR For: Approval  
 33.742 v0.2.0  
 Source: Qualcomm Austria RFFE GmbH*

(Replaces S3-221201)

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

**S3-222322 Draft CR: Introducing split gNBs into TR 33.926**

*Type: draftCR For: Approval  
 33.926 v17.4.0  
 Source: Qualcomm Incorporated*

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

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

**S3-221771 Discussion on authorization issue in inter NF mobility**

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

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

**S3-221772 Clarification on authorization for inter NF mobility**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1424 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221881 Verification of NSSAIs for preventing slice attack**

*Type: draftCR For: Approval  
 33.501 v16.11.0  
 Source: ZTE Corporation*

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

**S3-221786 Verification of NSSAIs for preventing slice attack**

*Type: CR For: Agreement  
 33.501 v16.11.0 CR-1429 Cat: F (Rel-16)  
  
 Source: CableLabs, Ericsson,Nokia, Nokia Shanghai Bell*

(Replaces S3-221131)

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

**S3-221840 TargetNFServiceSetId to be part of access token claims**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1434 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221841 Clarification on N32-f connection establishment with TLS**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1435 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221842 pSEPP authorization fo PLMN ID in access token for TLS**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1436 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222275**.

**S3-221866 DraftCR NRF deployments**

*Type: draftCR For: Approval  
 33.501 v17.6.0  
 Source: Nokia, Nokia Shanghai Bell, Ericsson, Mavenir, Huawei, HiSilicon*

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

**S3-221867 CR NRF deployments**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1437 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson, Mavenir, Huawei, HiSilicon*

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

**S3-221983 Discussion on the SAN and SBA certificate profiles**

*Type: discussion For: Discussion  
 Source: Ericsson*

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

**S3-221984 Clarification on the format of callback URI in the NF certificate profile**

*Type: CR For: Agreement  
 33.310 v16.10.0 CR-0131 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S3-221985 Clarification on the format of callback URI in the NF certificate profile**

*Type: CR For: Agreement  
 33.310 v17.3.0 CR-0132 Cat: A (Rel-17)  
  
 Source: Ericsson*

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

**S3-221986 Clarification on the certificate profile for SCP**

*Type: CR For: Agreement  
 33.310 v16.10.0 CR-0133 Cat: F (Rel-16)  
  
 Source: Ericsson, Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222297**.

**S3-221987 Clarification on the certificate profile for SCP**

*Type: CR For: Agreement  
 33.310 v17.3.0 CR-0134 Cat: A (Rel-17)  
  
 Source: Ericsson, Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222298**.

**S3-221988 Clarification on the certificate profile for SEPP**

*Type: CR For: Agreement  
 33.310 v16.10.0 CR-0135 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S3-221989 Clarification on the certificate profile for SEPP**

*Type: CR For: Agreement  
 33.310 v17.3.0 CR-0136 Cat: A (Rel-17)  
  
 Source: Ericsson*

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

**S3-221990 Review request of an IETF draft on X.509 Certificate Extension for 5G Network Function Types**

*Type: discussion For: Discussion  
 Source: Ericsson*

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

**S3-221991 Clarification of SNI usage for NF clients and servers**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1447 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222299**.

**S3-221992 Clarification on OAuth 2.0 in interconnect and roaming scenarios**

*Type: discussion For: Discussion  
 Source: Ericsson*

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

**S3-221993 Clarification on OAuth2.0 in interconnect and roaming scenarios, alternative 1**

*Type: CR For: Agreement  
 33.501 v16.11.0 CR-1448 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222300**.

**S3-221994 Clarification on OAuth2.0 in interconnect and roaming scenarios, alternative 2**

*Type: CR For: Agreement  
 33.501 v16.11.0 CR-1449 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S3-221995 Authorization between SCPs: Alignment with CR 1414**

*Type: CR For: Agreement  
 33.501 v16.11.0 CR-1450 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S3-221996 Clarification on access token requests for NF Producers of a specific NF type and token-based authorization for indirect communication with delegated discovery**

*Type: CR For: Agreement  
 33.501 v16.11.0 CR-1451 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S3-221997 Clarification on access token requests for NF Producers of a specific NF type and token-based authorization for indirect communication with delegated discovery**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1452 Cat: A (Rel-17)  
  
 Source: Ericsson*

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

**S3-221998 SEPP to include and verify the source PLMN-ID**

*Type: draftCR For: Approval  
 33.501 v17.6.0  
 Source: Ericsson, Nokia, Nokia Shanghai Bell, Mavenir*

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

**S3-222028 Adding optional use of CCA for delegated discovery**

*Type: CR For: Approval  
 33.501 v16.11.0 CR-1460 Cat: F (Rel-16)  
  
 Source: China Telecommunications, Nokia, Nokia Shanghai Bell*

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

**S3-222031 Adding optional use of CCA for delegated discovery(mirror)**

*Type: CR For: (not specified)  
 33.501 v17.6.0 CR-1461 Cat: A (Rel-17)  
  
 Source: China Telecommunications, Nokia, Nokia Shanghai Bell*

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

**S3-222033 Revise the pre-requisite of access token request**

*Type: CR For: Approval  
 33.501 v16.11.0 CR-1462 Cat: F (Rel-16)  
  
 Source: China Telecommunications*

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

**S3-222034 Revise the pre-requisite of access token request(mirror)**

*Type: CR For: (not specified)  
 33.501 v17.6.0 CR-1463 Cat: A (Rel-17)  
  
 Source: China Telecommunications*

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

**S3-222035 Revise the subject that performs verificaiton of access token**

*Type: CR For: Approval  
 33.501 v16.11.0 CR-1464 Cat: F (Rel-16)  
  
 Source: China Telecommunications*

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

**S3-222036 Revise the subject that performs verificaiton of access token(mirror)**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1465 Cat: A (Rel-17)  
  
 Source: China Telecommunications*

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

**S3-222275 pSEPP authorization fo PLMN ID in access token for TLS**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1436 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221842)

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

**S3-222297 Clarification on the certificate profile for SCP**

*Type: CR For: Agreement  
 33.310 v16.10.0 CR-0133 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson, Nokia, Nokia Shanghai Bell*

(Replaces S3-221986)

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

**S3-222298 Clarification on the certificate profile for SCP**

*Type: CR For: Agreement  
 33.310 v17.3.0 CR-0134 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson, Nokia, Nokia Shanghai Bell*

(Replaces S3-221987)

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

**S3-222299 Clarification of SNI usage for NF clients and servers**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1447 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson, Nokia, Nokia Shanghai Bell*

(Replaces S3-221991)

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

**S3-222300 Clarification on OAuth2.0 in interconnect and roaming scenarios**

*Type: CR For: Agreement  
 33.501 v16.11.0 CR-1448 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S3-221993)

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

**S3-222301 Clarification on OAuth2.0 in interconnect and roaming scenarios**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1482 Cat: A (Rel-17)  
  
 Source: Ericsson*

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

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

**S3-221758 LS Reply on Reply LS on 5G ProSe security open items**

*Type: LS out For: Approval  
 to SA, SA2  
 Source: InterDigital, Europe, Ltd.*

**Decision:** The document was **revised to S3-222363**.

**S3-222030 CR to TS33.503 Update Abbreviations**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0021 Cat: F (Rel-17)  
  
 Source: CATT*

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

**S3-222027 CR to TS33.503 Define reference point for PAnF**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0019 Cat: F (Rel-17)  
  
 Source: CATT*

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

**S3-221834 Updates on Open 5G ProSe Direct Discovery**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0006 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

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

**S3-221835 Updates on Restricted 5G ProSe Direct Discovery**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0007 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

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

**S3-221910 Clarifications of general description to Restricted 5G ProSe Direct Discovery**

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

**Decision:** The document was **revised to S3-222358**.

**S3-221975 Correction figure in 5G ProSe Discoervery in TS33.503**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0014 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

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

**S3-222023 CR to TS33.503 Clean up clause 6.1.3.2.2**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0017 Cat: F (Rel-17)  
  
 Source: CATT*

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

**S3-222198 Updates to U2N Relay Discovery Security Procedure**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0034 Cat: F (Rel-17)  
  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-222352**.

**S3-222199 DDNMF Selection during U2N Relay Discovery Security Procedure**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0035 Cat: F (Rel-17)  
  
 Source: Xiaomi Technology*

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

**S3-222200 Match Report in U2N Relay Discovery Security Procedure**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0036 Cat: F (Rel-17)  
  
 Source: Xiaomi Technology*

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

**S3-222202 Security Method Check during U2N Relay Discovery Procedure**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0038 Cat: F (Rel-17)  
  
 Source: Xiaomi Technology*

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

**S3-221760 CP-UP Security Procedure selection**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0005 Cat: F (Rel-17)  
  
 Source: InterDigital, Europe, Ltd.*

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

**S3-222074 Resolution of the issue of authentication mechanism selection**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0023 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222375**.

**S3-222124 Clarification on ID handling at AMF and 5G PKMF**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0032 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-222196 CR to TS33.503 Modify clause and figure titles for U2N relay clauses**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0033 Cat: F (Rel-17)  
  
 Source: CATT*

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

**S3-222201 Updates to Key Definitions**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0037 Cat: F (Rel-17)  
  
 Source: Xiaomi Technology*

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

**S3-221746 Clarification on NAI format for PRUK ID**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0001 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S3-221748 HPLMN ID of Remote UE in Remote UE Report message**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0002 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S3-221749 Implementation correction of S3-221294**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0003 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222356**.

**S3-221909 Correction to authorization based on RSC**

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

**Decision:** The document was **revised to S3-222357**.

**S3-222026 CR to TS33.503 Correct error in clause 6.3.3.2.2**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0018 Cat: F (Rel-17)  
  
 Source: CATT*

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

**S3-222204 Security Method Check during UP-based U2N Relay Communication Establishment**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0040 Cat: F (Rel-17)  
  
 Source: Xiaomi Technology*

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

**S3-221759 Support for Prose Secondary Authentication excluded from Rel-17**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0004 Cat: F (Rel-17)  
  
 Source: InterDigital, Europe, Ltd., LG Electronics, Samsung*

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

**S3-221879 5GPRUK refresh in clause 6.3.3.3.2**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0008 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S3-221880 Clarification on subscription update in clause 6.3.3.3.2**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0009 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S3-221972 Clarification for ProSe UE-to-Network Relay security procedure over Control Plane in TS33.503**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0013 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

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

**S3-221981 Correction figure in ProSe UE-to-Network Relay security procedure over Control Plane in TS33.503**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0015 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S3-222403**.

**S3-222205 Corrections in TS 33.503**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0041 Cat: F (Rel-17)  
  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-222353**.

**S3-222032 CR to TS33.503 Update Figure 6.3.3.3.2-1**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0022 Cat: F (Rel-17)  
  
 Source: CATT*

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

**S3-222076 Clarification on 5G ProSe Remote UE specific authentication mechanism**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0025 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222376**.

**S3-222077 Remote UE Report when security procedure over Control Plane is performed**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0026 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222377**.

**S3-222203 Security Method Check during CP-based U2N Relay Communication Establishment**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0039 Cat: F (Rel-17)  
  
 Source: Xiaomi Technology*

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

**S3-222078 clarification on SUPI in Nudm\_UEAuthentication\_GetProseAv service**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0027 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-222096 Correction to Nausf\_UEAuthentication\_Authenticate service**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0030 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-221911 Rename 5GPRUK ID and 5GPRUK in CP based solution**

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

**Decision:** The document was **revised to S3-222359**.

**S3-222029 CR to TS33.503 Remove secondary authentication related content**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0020 Cat: F (Rel-17)  
  
 Source: CATT*

**Decision:** The document was **revised to S3-222400**.

**S3-222075 Delete of secondary authentication**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0024 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-222079 Add clause of broadcast communication**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0028 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-222080 Add clause of groupcast communication**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0029 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-222005 clarify Remote UE ID of Remote UE report for CP based security**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0016 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-222121 Clarification on ID handling at AMF and 5G PKMF**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0031 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-222262 Support for Prose Secondary Authentication**

*Type: draftCR For: Approval  
 33.503 v17.0.1  
 Source: InterDigital, Europe, Ltd., LG Electronics, Samsung*

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

**S3-222345 CR to TS33.503 Update Figure 6.3.3.3.2-1**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0022 rev 1 Cat: F (Rel-17)  
  
 Source: CATT*

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

**S3-222352 Updates to U2N Relay Discovery Security Procedure**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0034 rev 1 Cat: F (Rel-17)  
  
 Source: Xiaomi Technology*

(Replaces S3-222198)

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

**S3-222353 Corrections in TS 33.503**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0041 rev 1 Cat: F (Rel-17)  
  
 Source: Xiaomi Technology*

(Replaces S3-222205)

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

**S3-222356 Implementation correction of S3-221294**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0003 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S3-221749)

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

**S3-222357 Correction to authorization based on RSC**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0010 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S3-221909)

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

**S3-222358 Clarifications of general description to Restricted 5G ProSe Direct Discovery**

*Type: CR For: Agreement  
 33.503 v17.0.1 CR-0011 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S3-221910)

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

**S3-222359 Rename 5GPRUK ID and 5GPRUK in CP based solution**

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

(Replaces S3-221911)

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

**S3-222363 LS Reply on Reply LS on 5G ProSe security open items**

*Type: LS out For: Approval  
 to SA, SA2, cc CT, CT1, CT3, CT4, CT6  
 Source: InterDigital, Europe, Ltd.*

(Replaces S3-221758)

**Decision:** The document was **revised to S3-222434**.

**S3-222434 LS Reply on Reply LS on 5G ProSe security open items**

*Type: LS out For: Approval  
 to SA, SA2, cc CT, CT1, CT3, CT4, CT6  
 Source: InterDigital, Europe, Ltd.*

(Replaces S3-222363)

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

**S3-222375 Resolution of the issue of authentication mechanism selection**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0023 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon, Interdigital, Nokia, Nokia Shanghai Bell*

(Replaces S3-222074)

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

**S3-222376 Clarification on 5G ProSe Remote UE specific authentication mechanism**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0025 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

(Replaces S3-222076)

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

**S3-222377 Remote UE Report when security procedure over Control Plane is performed**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0026 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon, Nokia, Nokia Shanghai Bell*

(Replaces S3-222077)

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

**S3-222400 CR to TS33.503 Remove secondary authentication related content**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0020 rev 1 Cat: F (Rel-17)  
  
 Source: CATT*

(Replaces S3-222029)

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

**S3-222403 Correction figure in ProSe UE-to-Network Relay security procedure over Control Plane in TS33.503**

*Type: CR For: Approval  
 33.503 v17.0.1 CR-0015 rev 1 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

(Replaces S3-221981)

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

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

**S3-221741 [33.180] R14 Incorrect Reference**

*Type: CR For: Agreement  
 33.180 v14.10.0 CR-0190 Cat: F (Rel-14)  
  
 Source: Motorola Solutions Danmark A/S*

**Abstract:**

Incorrect reference

**Decision:** The document was **revised to S3-222271**.

**S3-221742 [33.180] R15 Incorrect Reference (mirror)**

*Type: CR For: Agreement  
 33.180 v15.11.0 CR-0191 Cat: A (Rel-15)  
  
 Source: Motorola Solutions Danmark A/S*

**Abstract:**

R15 incorrect reference mirror

**Decision:** The document was **revised to S3-222272**.

**S3-221743 [33.180] R16 Incorrect Reference (mirror)**

*Type: CR For: Agreement  
 33.180 v16.9.0 CR-0192 Cat: A (Rel-16)  
  
 Source: Motorola Solutions Danmark A/S*

**Abstract:**

R16 Incorrect reference (mirror)

**Decision:** The document was **revised to S3-222273**.

**S3-221744 [33.180] R17 Incorrect Reference (mirror)**

*Type: CR For: Agreement  
 33.180 v17.6.0 CR-0193 Cat: A (Rel-17)  
  
 Source: Motorola Solutions Danmark A/S*

**Abstract:**

R-17 Incorrect reference (mirror)

**Decision:** The document was **revised to S3-222274**.

**S3-221747 Address ENs related to sending UAV ID to UAV**

*Type: CR For: Agreement  
 33.256 v17.1.0 CR-0016 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-221827 Resolving the EN on CAA level ID during UUAA procedures**

*Type: CR For: Agreement  
 33.256 v17.1.0 CR-0009 rev 1 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

(Replaces S3-220979)

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

**S3-221828 Resolving the ENs on CAA level ID during revocation**

*Type: CR For: Agreement  
 33.256 v17.1.0 CR-0011 rev 1 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

(Replaces S3-220981)

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

**S3-221754 New test case to cover the AAnF provisioning**

*Type: CR For: Approval  
 33.516 v17.0.0 CR-0004 Cat: B (Rel-18)  
  
 Source: Keysight Technologies UK Ltd*

**Abstract:**

Added new test case to cover the provision of Key material to AAnF from the AUSF

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

**S3-221825 Proposed correction to Annex D on gNB network product class**

*Type: CR For: Agreement  
 33.926 v17.4.0 CR-0060 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-222315**.

**S3-221826 Corrections for gNB test cases**

*Type: CR For: Agreement  
 33.511 v17.1.0 CR-0028 Cat: F (Rel-17)  
  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-222317**.

**S3-221886 Adding a test case for gNB in TS 33.511 clause 4.2.2.1.4-R16**

*Type: CR For: Approval  
 33.511 v16.7.0 CR-0029 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

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

**S3-221887 Adding a test case for gNB in TS 33.511 clause 4.2.2.1.4-R17**

*Type: CR For: Approval  
 33.511 v17.1.0 CR-0030 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

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

**S3-221888 Adding a test case for gNB in TS 33.511 clause 4.2.2.1.4-R18**

*Type: CR For: Approval  
 33.511 v17.1.0 CR-0031 Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-221942 clarification on IP\_FWD\_DISABLING-R16**

*Type: CR For: Approval  
 33.117 v16.7.0 CR-0073 Cat: F (Rel-16)  
  
 Source: Huawei,HiSilicon*

**Decision:** The document was **revised to S3-222330**.

**S3-221943 clarification on IP\_FWD\_DISABLING-R17**

*Type: CR For: Approval  
 33.117 v17.0.0 CR-0074 Cat: A (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Decision:** The document was **revised to S3-222331**.

**S3-221944 modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R16**

*Type: CR For: Approval  
 33.117 v16.7.0 CR-0075 Cat: F (Rel-16)  
  
 Source: Huawei,HiSilicon*

**Decision:** The document was **revised to S3-222332**.

**S3-221945 modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R17**

*Type: CR For: Approval  
 33.117 v17.0.0 CR-0076 Cat: A (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Decision:** The document was **revised to S3-222333**.

**S3-221946 modification on Handling of ICMP-R16**

*Type: CR For: Approval  
 33.117 v16.7.0 CR-0077 Cat: F (Rel-16)  
  
 Source: Huawei,HiSilicon*

**Decision:** The document was **revised to S3-222334**.

**S3-221947 modification on Handling of ICMP-R17**

*Type: CR For: Approval  
 33.117 v17.0.0 CR-0078 Cat: A (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Decision:** The document was **revised to S3-222335**.

**S3-221948 modification on IP\_MULTICAST\_HANDLING-R16**

*Type: CR For: Approval  
 33.117 v16.7.0 CR-0079 Cat: F (Rel-16)  
  
 Source: Huawei,HiSilicon*

**Decision:** The document was **revised to S3-222336**.

**S3-221949 modification on IP\_MULTICAST\_HANDLING-R17**

*Type: CR For: Approval  
 33.117 v17.0.0 CR-0080 Cat: A (Rel-17)  
  
 Source: Huawei,HiSilicon*

**Decision:** The document was **revised to S3-222337**.

**S3-222024 Discussion paper on improvements of TS33.117**

*Type: discussion For: Information  
 Source: BSI (DE)*

**Abstract:**

The BSI has specified some amendments, clarifications, and corrections of the SCAS test specifactions, which are now mandatory for NESAS CCS-GI.

During the development and testing of the NESAS CCS-GI, also potential improvements to

3GPP TS 33.117 were id

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

**S3-221773 Discussion on privacy issue in AKMA**

*Type: discussion For: Information  
 33.535 v..  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221882 Add ApplicationKey\_ AnonUser\_Get into table 7.1.1-1**

*Type: CR For: Approval  
 33.535 v17.6.0 CR-0132 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-222368**.

**S3-221883 Add Context\_Remove into table 7.1.1-1.**

*Type: CR For: Approval  
 33.535 v17.6.0 CR-0133 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S3-221884 Add UDM or OAM in clause 6.6.1and 6.7**

*Type: CR For: Approval  
 33.535 v17.6.0 CR-0134 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S3-221885 AKMA application context removal**

*Type: CR For: Approval  
 33.535 v17.6.0 CR-0135 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S3-222014 IETF OSCORE as AKMA Ua\* protocol**

*Type: CR For: Agreement  
 33.535 v17.6.0 CR-0136 Cat: B (Rel-18)  
  
 Source: Ericsson, Deutsche Telekom*

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

**S3-222015 Extending the Ua security protocol namespace to include the AKMA OSCORE Ua\* protocol**

*Type: CR For: Agreement  
 33.220 v17.3.0 CR-0218 Cat: B (Rel-18)  
  
 Source: Ericsson, Deutsche Telekom*

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

**S3-222143 AAnF sending GPSI to internal AKMA AF**

*Type: CR For: Approval  
 33.535 v17.6.0 CR-0138 Cat: F (Rel-17)  
  
 Source: China Mobile*

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

**S3-222058 Clarifications to TS 33.535**

*Type: CR For: Agreement  
 33.535 v17.6.0 CR-0137 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-221774 Correction in UPU procedure to align with stage 3**

*Type: CR For: Agreement  
 33.501 v16.11.0 CR-1425 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221775 Correction in UPU procedure to align with stage 3**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1426 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221776 NSWO alignment for MSK and PMK**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1427 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, CableLabs*

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

**S3-221777 Correction in AUSF api related to NSWO**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1428 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, CableLabs*

**Decision:** The document was **revised to S3-222396**.

**S3-221778 LS reply on 5G NSWO roaming aspects**

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

**Decision:** The document was **revised to S3-222397**.

**S3-222025 Clarification on Authentication for UE behind 5G-RG and FN-RG**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1459 Cat: F (Rel-17)  
  
 Source: CableLabs*

**Decision:** The document was **revised to S3-222324**.

**S3-221795 Include SN ID in NSSAA procedure in support of multiple registration**

*Type: CR For: Agreement  
 33.501 v16.11.0 CR-1431 Cat: F (Rel-16)  
  
 Source: Huawei, Hisilicon*

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

**S3-221796 Clean up to TR33874**

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

**Decision:** The document was **revised to S3-222305**.

**S3-221797 Address EN on alignment to SA2**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1432 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

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

**S3-221798 LS to SA2 to align NSACF procedure**

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

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

**S3-221799 Address EN on AF Authorization**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1433 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

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

**S3-222018 Discussion on the authorization of Application Functions for NSACF services via the NEF**

*Type: discussion For: Endorsement  
 Source: Ericsson*

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

**S3-222019 Clarification on AF authorization for the NSACF notification procedure**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1457 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S3-222020 Alignment of NSACF notification procedure with existing procedures**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1458 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S3-222235 Resolving the alignment related EN for NSACF Subscription and unsubscription procedure**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1480 Cat: F (Rel-17)  
  
 Source: Xiaomi Communication*

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

**S3-222236 Update Subscription and unsubscription procedure of NSACF notification service**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1481 Cat: F (Rel-17)  
  
 Source: Xiaomi Communication*

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

**S3-221874 Secondary PDU re-authentication when UE is not reachable**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1438 Cat: F (Rel-17)  
  
 Source: Samsung*

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

**S3-222228 33.501: R15 Update EAP based secondary authentication by an external DN-AAA server**

*Type: CR For: Approval  
 33.501 v15.16.0 CR-1477 Cat: F (Rel-15)  
  
 Source: Xiaomi Communication*

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

**S3-222229 33.501: R16 Update EAP based secondary authentication by an external DN-AAA server (mirror)**

*Type: CR For: Approval  
 33.501 v16.11.0 CR-1478 Cat: A (Rel-16)  
  
 Source: Xiaomi Communication*

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

**S3-222230 33.501: R17 Update EAP based secondary authentication by an external DN-AAA server (mirror)**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1479 Cat: A (Rel-17)  
  
 Source: Xiaomi Communication*

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

**S3-221889 Clarification on ResumeMAC-IshortResumeMAC-I check failed in clause 6.8.2.1.3-R15**

*Type: CR For: Approval  
 33.501 v15.16.0 CR-1439 Cat: F (Rel-15)  
  
 Source: ZTE Corporation*

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

**S3-221890 Clarification on ResumeMAC-IshortResumeMAC-I check failed in clause 6.8.2.1.3-R16**

*Type: CR For: Approval  
 33.501 v16.11.0 CR-1440 Cat: A (Rel-16)  
  
 Source: ZTE Corporation*

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

**S3-221891 Clarification on ResumeMAC-IshortResumeMAC-I check failed in clause 6.8.2.1.3-R17**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1441 Cat: A (Rel-17)  
  
 Source: ZTE Corporation*

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

**S3-222021 Living document for SERP: draftCR to TS 33.501 on the Protection of the RRC Resume Request message**

*Type: draftCR For: Approval  
 33.501 v17.6.0  
 Source: Ericsson*

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

**S3-222090 Protection of RRC Resume Request mesasge**

*Type: draftCR For: Approval  
 33.501 v17.6.0  
 Source: Huawei, HiSilicon*

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

**S3-222190 SERP-CR to 33501**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1472 Cat: B (Rel-18)  
  
 Source: Apple*

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

**S3-222191 SERP-Draft LS on SERP**

*Type: LS out For: Approval  
 to RAN, RAN2, RAN3  
 Source: Apple*

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

**S3-222255 Clarification to multiple registrations in different PLMNs**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1442 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S3-221907)

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

**S3-222257 Discussion paper on multiple registrations in different PLMN’s and different access types**

*Type: discussion For: Endorsement  
 Source: Ericsson*

(Replaces S3-221908)

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

**S3-222006 Add restriction for multi registrations in two PLMNs**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1453 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-222007 control on NSSAA procedures for multi registrations in two PLMNs**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1454 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-222008 Add restriction for multi registrations in two PLMNs**

*Type: CR For: Agreement  
 33.501 v16.11.0 CR-1455 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-222009 control on NSSAA procedures for multi registrations in two PLMNs**

*Type: CR For: Agreement  
 33.501 v16.11.0 CR-1456 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-222010 LS for multi-registration impact on UE authentication**

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

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

**S3-221914 Reply LS on UE’s LTE UPIP capability for EN-DC**

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

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

**S3-221915 Activation of UP IP in SgNB**

*Type: CR For: Agreement  
 33.401 v17.2.0 CR-0710 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S3-222062 Alignment with RAN3 LS for EN-DC for UPIP**

*Type: CR For: Agreement  
 33.401 v17.2.0 CR-0711 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222431**.

**S3-222063 Reply LS on UE’s LTE UPIP capability for EN-DC**

*Type: LS out For: Approval  
 to RAN3  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222432**.

**S3-221918 Alignment of NAS transport protocol for 5G-RG over Wireline**

*Type: CR For: Agreement  
 33.501 v16.11.0 CR-1443 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222263**.

**S3-221919 Alignment of NAS transport protocol for 5G-RG over Wireline**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1444 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222264**.

**S3-221932 Clarification on the authorzation of NF Service Consumers for data access via DCCF for R17**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1445 Cat: F (Rel-17)  
  
 Source: Huawei, Hisilicon*

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

**S3-221959 Rel-15 Correcting the OAuth 2.0 roles in CAPIF**

*Type: CR For: Agreement  
 33.122 v15.3.0 CR-0028 Cat: F (Rel-15)  
  
 Source: Ericsson*

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

**S3-221960 Rel-16 Correcting the OAuth 2.0 roles in CAPIF**

*Type: CR For: Agreement  
 33.122 v16.3.0 CR-0029 Cat: A (Rel-16)  
  
 Source: Ericsson*

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

**S3-221961 Rel-17 Correcting the OAuth 2.0 roles in CAPIF**

*Type: CR For: Agreement  
 33.122 v17.0.0 CR-0030 Cat: A (Rel-17)  
  
 Source: Ericsson*

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

**S3-221962 Correction and clarification in user consent requirements**

*Type: CR For: Agreement  
 33.558 v17.1.0 CR-0004 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S3-221963 Addressing authorization for EDGE-9**

*Type: CR For: Agreement  
 33.558 v17.1.0 CR-0005 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S3-221965 Corrections and clarifications on the usage of HTTPS and X.509 certificates**

*Type: CR For: Agreement  
 33.558 v17.1.0 CR-0006 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S3-222037 EDGE-9 and Interface Between EASs Security**

*Type: CR For: Approval  
 33.558 v17.1.0 CR-0007 Cat: B (Rel-17)  
  
 Source: InterDigital Communications*

**Abstract:**

EDGE-9 authorization and interfaces security

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

**S3-221966 Correction on the implementation of CR 0013 (S3-220917)**

*Type: CR For: Agreement  
 33.434 v17.2.0 CR-0014 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S3-221977 Confidentiality protection of SMS content over N32**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1446 Cat: F (Rel-17)  
  
 Source: NTT DOCOMO INC.*

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

**S3-222002 Correction figure in ProSe Discovery in TS33.303(R15)**

*Type: CR For: Approval  
 33.303 v15.0.0 CR-0136 Cat: F (Rel-15)  
  
 Source: China Telecom Corporation Ltd.*

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

**S3-222003 Correction figure in ProSe Discovery in TS33.303(R16) - mirror**

*Type: CR For: Approval  
 33.303 v16.0.0 CR-0137 Cat: A (Rel-16)  
  
 Source: China Telecom Corporation Ltd.*

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

**S3-222004 Correction figure in ProSe Discovery in TS33.303**

*Type: CR For: Approval  
 33.303 v17.0.0 CR-0138 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd.*

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

**S3-222016 Discussion on the authentication result removal operation**

*Type: discussion For: Endorsement  
 Source: Ericsson*

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

**S3-222017 LS on AUSF and UDM authentication result service operation**

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

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

**S3-222047 Update IPSec reference from obsolete RFC 7296 to RFC 8247**

*Type: CR For: (not specified)  
 33.210 v17.0.0 CR-0073 Cat: F (Rel-17)  
  
 Source: Intel*

**Decision:** The document was **revised to S3-222346**.

**S3-222048 Update IPSec reference from obsolete RFC 7296 to RFC 8247**

*Type: CR For: (not specified)  
 33.210 v17.0.0 CR-0074 Cat: F (Rel-17)  
  
 Source: Intel*

**Decision:** The document was **revised to S3-222347**.

**S3-222059 Discussion on Kiab handling in IAB migiration**

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

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

**S3-222060 CR on Kiab handling in IAB migiration**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1467 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-222061 LS on Kiab handling in IAB migiration**

*Type: LS out For: Approval  
 to RAN3, cc RAN2  
 Source: Huawei, HiSilicon*

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

**S3-222088 Address EN for UC3S**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1468 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon,Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222433**.

**S3-222097 Address UPIP forward compability issue**

*Type: CR For: Agreement  
 33.401 v17.2.0 CR-0712 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-222123 clarification on the internal authentication and an external authentication**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1469 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222388**.

**S3-222133 Correction of Transport security protection for MSGin5G interfaces**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1471 Cat: F (Rel-17)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222398**.

**S3-222192 33401CR - Clarification on NAS COUNT usage in KeNB derivation**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1473 Cat: F (Rel-17)  
  
 Source: Apple*

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

**S3-222193 33501CR - Clarification on NAS COUNT usage in KeNB derivation**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1474 Cat: F (Rel-17)  
  
 Source: Apple*

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

**S3-222194 33501\_s1n1\_idlemode\_mapped\_ctxt**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1475 Cat: F (Rel-17)  
  
 Source: Apple*

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

**S3-222195 33501CR on fast reauthentication**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1476 Cat: F (Rel-17)  
  
 Source: Apple*

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

**S3-221907 Clarification to multiple registrations in different PLMNs**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1442 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222255**.

**S3-221908 Discussion paper on multiple registrations in different PLMN’s and different access types**

*Type: discussion For: Endorsement  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222257**.

**S3-222055 clarification on the internal authentication and an external authentication**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1466 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

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

**S3-222263 Alignment of NAS transport protocol for 5G-RG over Wireline**

*Type: CR For: Agreement  
 33.501 v16.11.0 CR-1443 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S3-221918)

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

**S3-222264 Alignment of NAS transport protocol for 5G-RG over Wireline**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1444 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson*

(Replaces S3-221919)

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

**S3-222271 [33.180] R14 Incorrect Reference**

*Type: CR For: Agreement  
 33.180 v14.10.0 CR-0190 rev 1 Cat: F (Rel-14)  
  
 Source: Motorola Solutions Danmark A/S*

(Replaces S3-221741)

**Abstract:**

Incorrect reference

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

**S3-222272 [33.180] R15 Incorrect Reference (mirror)**

*Type: CR For: Agreement  
 33.180 v15.11.0 CR-0191 rev 1 Cat: A (Rel-15)  
  
 Source: Motorola Solutions Danmark A/S*

(Replaces S3-221742)

**Abstract:**

R15 incorrect reference mirror

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

**S3-222273 [33.180] R16 Incorrect Reference (mirror)**

*Type: CR For: Agreement  
 33.180 v16.9.0 CR-0192 rev 1 Cat: A (Rel-16)  
  
 Source: Motorola Solutions Danmark A/S*

(Replaces S3-221743)

**Abstract:**

R16 Incorrect reference (mirror)

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

**S3-222274 [33.180] R17 Incorrect Reference (mirror)**

*Type: CR For: Agreement  
 33.180 v17.6.0 CR-0193 rev 1 Cat: A (Rel-17)  
  
 Source: Motorola Solutions Danmark A/S*

(Replaces S3-221744)

**Abstract:**

R-17 Incorrect reference (mirror)

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

**S3-222305 Clean up to TR33874**

*Type: CR For: Agreement  
 33.874 v18.0.0 CR-0001 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, Hisilicon*

(Replaces S3-221796)

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

**S3-222315 Proposed correction to Annex D on gNB network product class**

*Type: CR For: Agreement  
 33.926 v16.5.0 CR-0060 rev 1 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

(Replaces S3-221825)

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

**S3-222316 Proposed correction to Annex D on gNB network product class**

*Type: CR For: Agreement  
 33.926 v17.4.0 CR-0061 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

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

**S3-222317 Corrections for gNB test cases**

*Type: CR For: Agreement  
 33.511 v16.7.0 CR-0028 rev 1 Cat: F (Rel-16)  
  
 Source: Qualcomm Incorporated*

(Replaces S3-221826)

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

**S3-222318 Corrections for gNB test cases**

*Type: CR For: Agreement  
 33.511 v17.1.0 CR-0032 Cat: A (Rel-17)  
  
 Source: Qualcomm Incorporated*

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

**S3-222324 Clarification on Authentication for UE behind 5G-RG and FN-RG**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1459 rev 1 Cat: F (Rel-17)  
  
 Source: CableLabs*

(Replaces S3-222025)

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

**S3-222330 clarification on IP\_FWD\_DISABLING-R16**

*Type: CR For: Approval  
 33.117 v16.7.0 CR-0073 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei,HiSilicon*

(Replaces S3-221942)

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

**S3-222331 clarification on IP\_FWD\_DISABLING-R17**

*Type: CR For: Approval  
 33.117 v17.0.0 CR-0074 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei,HiSilicon*

(Replaces S3-221943)

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

**S3-222332 modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R16**

*Type: CR For: Approval  
 33.117 v16.7.0 CR-0075 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei,HiSilicon*

(Replaces S3-221944)

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

**S3-222333 modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R17**

*Type: CR For: Approval  
 33.117 v17.0.0 CR-0076 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei,HiSilicon*

(Replaces S3-221945)

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

**S3-222334 modification on Handling of ICMP-R16**

*Type: CR For: Approval  
 33.117 v16.7.0 CR-0077 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei,HiSilicon*

(Replaces S3-221946)

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

**S3-222335 modification on Handling of ICMP-R17**

*Type: CR For: Approval  
 33.117 v17.0.0 CR-0078 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei,HiSilicon*

(Replaces S3-221947)

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

**S3-222336 modification on IP\_MULTICAST\_HANDLING-R16**

*Type: CR For: Approval  
 33.117 v16.7.0 CR-0079 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei,HiSilicon*

(Replaces S3-221948)

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

**S3-222337 modification on IP\_MULTICAST\_HANDLING-R17**

*Type: CR For: Approval  
 33.117 v17.0.0 CR-0080 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei,HiSilicon*

(Replaces S3-221949)

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

**S3-222346 Update IPSec reference from obsolete RFC 7296 to RFC 8247**

*Type: CR For: (not specified)  
 33.210 v17.0.0 CR-0073 rev 1 Cat: F (Rel-17)  
  
 Source: Intel*

(Replaces S3-222047)

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

**S3-222347 Update IPSec reference from obsolete RFC 7296 to RFC 8247**

*Type: CR For: (not specified)  
 33.210 v17.0.0 CR-0074 rev 1 Cat: F (Rel-17)  
  
 Source: Intel*

(Replaces S3-222048)

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

**S3-222368 Add ApplicationKey\_ AnonUser\_Get into table 7.1.1-1**

*Type: CR For: Approval  
 33.535 v17.6.0 CR-0132 rev 1 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

(Replaces S3-221882)

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

**S3-222388 clarification on the internal authentication and an external authentication**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1469 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

(Replaces S3-222123)

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

**S3-222392 Alignment with RAN3 LS for EN-DC for UPIP**

*Type: CR For: Approval  
 33.401 v17.2.0 CR-0713 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon, Ericsson*

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

**S3-222394 Address EN for UC3S**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1483 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon, Nokia, Nokia Shanghai Bell*

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

**S3-222396 Correction in AUSF api related to NSWO**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1428 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, CableLabs*

(Replaces S3-221777)

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

**S3-222397 LS reply on 5G NSWO roaming aspects**

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

(Replaces S3-221778)

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

**S3-222398 Correction of Transport security protection for MSGin5G interfaces**

*Type: CR For: Approval  
 33.501 v17.6.0 CR-1471 rev 1 Cat: F (Rel-17)  
  
 Source: China Mobile*

(Replaces S3-222133)

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

**S3-222430 withdrawn**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1468 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon*

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

**S3-222431 Alignment with RAN3 LS for EN-DC for UPIP**

*Type: CR For: Agreement  
 33.401 v17.2.0 CR-0711 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon, Ericsson*

(Replaces S3-222062)

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

**S3-222432 Reply LS on UE’s LTE UPIP capability for EN-DC**

*Type: LS out For: Approval  
 to RAN3  
 Source: Huawei, HiSilicon, Ericsson*

(Replaces S3-222063)

**Decision:** The document was **revised to S3-222435**.

**S3-222435 Reply LS on UE’s LTE UPIP capability for EN-DC**

*Type: LS out For: Approval  
 to RAN3  
 Source: Huawei, HiSilicon, Ericsson*

(Replaces S3-222432)

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

**S3-222433 Address EN for UC3S**

*Type: CR For: Agreement  
 33.501 v17.6.0 CR-1468 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, HiSilicon,Nokia, Nokia Shanghai Bell*

(Replaces S3-222088)

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

**S3-222258 LS on Source user info in Direct Communication Request in UE-to-Network Relay**

*Type: LS out For: Discussion  
 to SA2,CT1  
 Source: Qualcomm*

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

## 5 Rel-18 Studies

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

### 5.2 Study on Security Impacts of Virtualisation

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

**S3-221839 Key issue for secure ProSe multi-path transmission for UE-to-Network relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Samsung*

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

**S3-221929 New Key Issue on path switching between different N3IWFs**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: KPN N.V.*

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

**S3-222052 Update of KI#2**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: OPPO*

**Decision:** The document was **revised to S3-222306**.

**S3-222053 New KI on U2U relay protection of remote UE traffic**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: OPPO*

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

**S3-222081 New Key Issue on Security and privacy of path switching between two indirect network communication paths for UE-to-Network Relaying**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222378**.

**S3-222082 New Key Issue on Security and privacy of path switch between L2 U2NW and direct connections**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222379**.

**S3-222083 New Key Issue on Security and privacy of multi-path transmission for UE-to-Network Relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222380**.

**S3-222188 New key issue on Identity verification for UE-to-UE relay scenarios**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: OPPO*

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

**S3-221763 New Solution for Security of Layer-2 based UE-to-UE Relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: InterDigital, Europe, Ltd.*

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

**S3-221764 New solution: Restricted Peer UE IP Discovery with Layer-3 UE-to-UE Relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: InterDigital, Europe, Ltd.*

**Decision:** The document was **revised to S3-222364**.

**S3-221765 New solution: Privacy for Layer-3 UE-to-UE Relay based on IP routing**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: InterDigital, Europe, Ltd.*

**Decision:** The document was **revised to S3-222365**.

**S3-221831 A new solution for security mechanism for UE-to-UE Relay discovery**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Qualcomm Incorporated*

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

**S3-221832 A new solution for security mechanism for UE-to-UE Relay discovery in case of multiple ProSe services for an RSC**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Qualcomm Incorporated*

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

**S3-221833 A new solution for secure PC5 link establishment for UE-to-UE relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Qualcomm Incorporated*

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

**S3-221912 New solution for PC5 link security when UE-to-UE relay is in coverage**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222354**.

**S3-221913 New solution for PC5 link security when UE-to-UE relay is out of coverage**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222355**.

**S3-221921 Solution for PC5 link security establishment for U2U Relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S3-222402**.

**S3-221924 New Solution UE-to-UE security**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Philips International B.V.*

**Decision:** The document was **revised to S3-222296**.

**S3-221926 Solution for U2U Relay (model A) discovery security**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: China Telecom Corporation Ltd.*

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

**S3-221930 Solution for U2U Relay (model B) discovery security**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: China Telecom Corporation Ltd.*

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

**S3-221969 New solution on authentication procedure of UE-to-UE relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: OPPO*

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

**S3-222054 New Solution on security negotiation of U2U relay protection of remote UE traffic**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: OPPO*

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

**S3-222189 New solution on end-to-end security establishmet for UE-to-UE relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: OPPO*

**Decision:** The document was **revised to S3-222341**.

**S3-222216 New solution on Network-assisted Security Establishment Procedure for 5G ProSe Layer-3 UE-to-UE Relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-222217 New solution on Non-network-assisted Security Establishment Procedure for 5G ProSe Layer-3 UE-to-UE Relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

**Decision:** The document was **revised to S3-222371**.

**S3-222218 New solution on Restricted 5G ProSe UE-to-UE Relay Discovery Model A**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

**Decision:** The document was **revised to S3-222372**.

**S3-222219 New solution on Restricted 5G ProSe UE-to-UE Relay Discovery Model B**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

**Decision:** The document was **revised to S3-222373**.

**S3-221927 Architectural assumption on out-of-coverage operation of UE-to-UE relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Philips International B.V.*

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

**S3-221971 New solution on end-to-end security establishmet for UE-to-UE relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: OPPO*

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

**S3-221979 new KI on Identity verification for UE-to-UE relay scenarios**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: OPPO*

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

**S3-222296 New Solution UE-to-UE security**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Philips International B.V.*

(Replaces S3-221924)

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

**S3-222306 Update of KI#2**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: OPPO*

(Replaces S3-222052)

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

**S3-222341 New solution: End-to-end security establishment for Layer-2 UE-to-UE relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: OPPO*

(Replaces S3-222189)

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

**S3-222344 TR 33.740 v0.2.0 Study on security aspects of Proximity Based Services (ProSe) in 5G System (5GS) phase 2**

*Type: draft TR For: Approval  
 33.740 v0.2.0  
 Source: CATT*

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

**S3-222354 New solution for PC5 link security when UE-to-UE relay is in coverage**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Ericsson*

(Replaces S3-221912)

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

**S3-222355 New solution for PC5 link security when UE-to-UE relay is out of coverage**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Ericsson*

(Replaces S3-221913)

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

**S3-222364 New solution: Restricted Peer UE IP Discovery with Layer-3 UE-to-UE Relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: InterDigital, Europe, Ltd.*

(Replaces S3-221764)

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

**S3-222365 New solution: Privacy for Layer-3 UE-to-UE Relay based on IP routing**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: InterDigital, Europe, Ltd.*

(Replaces S3-221765)

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

**S3-222370 New solution on Network-assisted Security Establishment Procedure for 5G ProSe Layer-3 UE-to-UE Relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-222371 New solution on Non-network-assisted Security Establishment Procedure for 5G ProSe Layer-3 UE-to-UE Relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

(Replaces S3-222217)

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

**S3-222372 New solution on Restricted 5G ProSe UE-to-UE Relay Discovery Model A**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

(Replaces S3-222218)

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

**S3-222373 New solution on Restricted 5G ProSe UE-to-UE Relay Discovery Model B**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

(Replaces S3-222219)

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

**S3-222378 New Key Issue on Security and privacy of path switching between two indirect network communication paths for UE-to-Network Relaying**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Huawei, HiSilicon*

(Replaces S3-222081)

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

**S3-222379 New Key Issue on Security and privacy of path switch between L2 U2NW and direct connections**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Huawei, HiSilicon*

(Replaces S3-222082)

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

**S3-222380 New Key Issue on Security and privacy of multi-path transmission for UE-to-Network Relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: Huawei, HiSilicon*

(Replaces S3-222083)

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

**S3-222402 Solution for PC5 link security establishment for U2U Relay**

*Type: pCR For: Approval  
 33.740 v0.1.0  
 Source: China Telecom Corporation Ltd.*

(Replaces S3-221921)

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

### 5.4 Study on privacy of identifiers over radio access

### 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

### 5.10 Study on Personal IoT Networks Security Aspects

**S3-221782 New subclause - Assumptions for PIN**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: InterDigital, Inc.*

**Abstract:**

It is proposed to approve the subclause proposed in this document.

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

**S3-221892 Add terms and abbreviations to TR 33.882**

*Type: pCR For: Agreement  
 33.882 v0.1.0  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-222367**.

**S3-221779 New key issue on Protecting Identification of PIN and PIN Privacy**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: InterDigital, Inc.*

**Abstract:**

It is proposed to approve the key issue described in this document.

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

**S3-221780 New key issue on Security of Discovery of PINE and PIN**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: InterDigital, Inc.*

**Abstract:**

It is proposed to approve the key issue described in this document.

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

**S3-221783 New key issue on Secure Communication between PINEs**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: InterDigital, Inc.*

**Abstract:**

It is proposed to approve the key issue described in this document.

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

**S3-221792 New Key Issue for security protection on parameters requested from PEMC that will be provisioned to PEGC**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: vivo*

**Abstract:**

This contribution proposes a new key issue, considering the security protection of paramters provisioned to PEGC, to be included in TR 33.882 [1].

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

**S3-221784 New key issue on Secure policy and parameters provisioning for PIN**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: InterDigital, Inc.*

**Abstract:**

It is proposed to approve the key issue described in this document.

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

**S3-221793 New Key Issue for controlling credential downloading to PINE**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: vivo*

**Abstract:**

This contribution proposes a new key issue, considering the control of credential downloading to PINE, to be included in TR 33.882

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

**S3-221805 New Ki related to authorization of exposed PIN capabilites**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

It is proposed to add a new Key Issue to TR 33.882 related to the authorization of exposed PIN capabilities.

**Decision:** The document was **revised to S3-222343**.

**S3-221791 Update Key Issue for authentication of PINE**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: vivo*

**Abstract:**

This contribution proposes the key issue update, considering the authentication of PINE, to be included in TR 33.882 [1]

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

**S3-221781 Adding threats and requirements to KI#1**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: InterDigital, Inc.*

**Abstract:**

It is proposed to approve the threats and requirements described in this document.

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

**S3-221920 Update key issue on Authentication and authorization for PINE**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: Philips International B.V.*

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

**S3-222064 Add threat and requirement to PINE authentication**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222374**.

**S3-221804 New solution for network triggered authentication of PINE**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: vivo*

**Abstract:**

This solution describes a way for network triggering the authentication and authorization for a PINE based on EAP framework

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

**S3-222065 Solution on PINE authentication**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222343 New Ki related to authorization of exposed PIN capabilites**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221805)

**Abstract:**

It is proposed to add a new Key Issue to TR 33.882 related to the authorization of exposed PIN capabilities.

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

**S3-222367 Add terms and abbreviations to TR 33.882**

*Type: pCR For: Agreement  
 33.882 v0.1.0  
 Source: ZTE Corporation*

(Replaces S3-221892)

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

**S3-222374 Add threat and requirement to key issue #1**

*Type: pCR For: Approval  
 33.882 v0.1.0  
 Source: Huawei, HiSilicon, Philips, Interdigital*

(Replaces S3-222064)

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

**S3-222429 TR 33.882 v0.2.0 Study on personal IoT networks security aspects**

*Type: draft TR For: Approval  
 33.882 v0.2.0  
 Source: vivo Mobile Communication (S)*

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

### 5.11 Study on SNAAPP security

**S3-221806 Discussion Paper on Structure of KIs**

*Type: discussion For: Discussion  
 33.884 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

This discussion paper summarizes the current situation of security of northbound APIs in 3GPP and based on that proposes a structure for Key Issues in FS\_SNAAPPY.

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

**S3-221807 New KI on securing resource owner access to own resources**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

A new key issues about a subscriber using an application to access own resources (related to scenario 1 in S3-221806) is proposed.

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

**S3-221808 New KI on securing API access from AF acting on own behalf**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

A new KI about an application accessing resources not owned by it is proposed on own behalf (related to scenario 2 in S3-221806)

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

**S3-221809 New Ki on securing API access from subscriber to resources of other subscriber**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

A new key issues is proposed about a subscriber using a application to access resources of another subscriber (related to scenario 3 in S3-221806.

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

**S3-221967 Update to key issue #1**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Ericsson*

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

**S3-221968 A new key issue on authorization by resource owner**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Ericsson*

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

**S3-222248 pCR to TR 33.884 on new KI on authorization revocation**

*Type: pCR For: Agreement  
 33.884 v0.1.0  
 Source: NTT DOCOMO*

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

**S3-222249 pCR to TR 33.884 on new KI on AF originated API invocation**

*Type: pCR For: Agreement  
 33.884 v0.1.0  
 Source: NTT DOCOMO*

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

**S3-222250 pCR to TR 33.884 on new KI on placement of authorization function**

*Type: pCR For: Agreement  
 33.884 v0.1.0  
 Source: NTT DOCOMO*

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

**S3-221925 Authentication and Authorization for UE originated API Invocation**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Lenovo*

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

**S3-222095 New solution on User authorization for network exposure**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222240 KI1, New Sol AKMA based UE authentication for API invoker on-boarding procedure in SNA scenarios**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Xiaomi Communication*

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

**S3-222241 KI1,New Sol GBA based UE authentication in SNA scenarios**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Xiaomi Communication*

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

**S3-222242 KI1, New Sol User authorization based API invocation procedure**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Xiaomi Communication*

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

**S3-222243 KI1,New Sol UE credential based API invocation procedure**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Xiaomi Communication*

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

**S3-222244 KI1,New Sol User authorization revocation for API invocation procedure**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Xiaomi Communication*

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

**S3-222245 KI1,New Sol User resource authorization profile based API invocation procedure**

*Type: pCR For: Approval  
 33.884 v0.1.0  
 Source: Xiaomi Communication*

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

**S3-222251 pCR to TR 33.884 new solution on UE authentication**

*Type: pCR For: Agreement  
 33.884 v0.1.0  
 Source: NTT DOCOMO*

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

**S3-222252 pCR to TR 33.884 new solution on non resource owner UE authorization**

*Type: pCR For: Agreement  
 33.884 v0.1.0  
 Source: NTT DOCOMO*

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

**S3-222253 pCR to TR 33.884 new solution on authenticating the triggering UE**

*Type: pCR For: Agreement  
 33.884 v0.1.0  
 Source: NTT DOCOMO*

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

**S3-221733 LS on CAPIF authorization roles related to FS\_SNAAPP**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-221771*

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

**S3-222256 draft LS reply on CAPIF authorization roles related to FS\_SNAAPP**

*Type: LS out For: Agreement  
 to SA6  
 Source: NTT DOCOMO INC.*

**Abstract:**

This is a resubmission of the status of the discussion after SA3#107e-Adhoc, to serve as placeholder for an actual reply LS.

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

### 5.12 Study on enhanced security for network slicing Phase 3

**S3-221800 update to KI#1**

*Type: pCR For: Approval  
 33.886 v0.1.0  
 Source: Huawei, Hisilicon*

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

**S3-221917 Update to KI#1 Providing VPLMN slice information to roaming UE**

*Type: pCR For: Approval  
 33.886 v0.1.0  
 Source: Lenovo*

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

**S3-222237 Update KI1 providing VPLMN slice information to roaming UE**

*Type: pCR For: Approval  
 33.886 v0.1.0  
 Source: Xiaomi Communication*

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

**S3-221894 New KI-protecting information transfer in UE initiated slice-based SoR**

*Type: pCR For: Agreement  
 33.886 v0.1.0  
 Source: ZTE Corporation*

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

**S3-221801 update to KI#2**

*Type: pCR For: Approval  
 33.886 v0.1.0  
 Source: Huawei, Hisilicon*

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

**S3-221802 update to KI#3**

*Type: pCR For: Approval  
 33.886 v0.1.0  
 Source: Huawei, Hisilicon*

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

**S3-221893 New KI on the Security of Network Slice Service continuity**

*Type: pCR For: Agreement  
 33.886 v0.1.0  
 Source: ZTE Corporation*

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

**S3-221803 Solution on temporay slice authorization**

*Type: pCR For: Approval  
 33.886 v0.1.0  
 Source: Huawei, Hisilicon*

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

**S3-222238 KI1, New Sol Secure mechanism for UE initiated capability indication procedure**

*Type: pCR For: Approval  
 33.886 v0.1.0  
 Source: Xiaomi Communication*

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

**S3-222239 KI1, New Sol Secure mechanism for network triggered UE capability indication procedure**

*Type: pCR For: Approval  
 33.886 v0.1.0  
 Source: Xiaomi Communication*

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

**S3-221794 Solution on Key Issue #3**

*Type: pCR For: Approval  
 33.886 v0.1.0  
 Source: BUPT*

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

### 5.13 Study on Security aspects for 5WWC Phase 2

**S3-221766 KI1 Update**

*Type: pCR For: Approval  
 33.887 v0.1.1  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221767 KI2 Update**

*Type: pCR For: Approval  
 33.887 v0.1.1  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221768 EAP\_AKA prime based authentication for AUN3 devices**

*Type: pCR For: Approval  
 33.887 v0.1.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222395**.

**S3-221769 EAP\_TLS based authentication for AUN3 devices**

*Type: pCR For: Approval  
 33.887 v0.1.1  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221770 Solution for UE privacy**

*Type: pCR For: Approval  
 33.887 v0.1.1  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221906 EAP base authentication for AUN3 devices behind RG**

*Type: pCR For: Approval  
 33.887 v0.1.1  
 Source: CableLabs*

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

**S3-222395 EAP\_AKA prime based authentication for AUN3 devices**

*Type: pCR For: Approval  
 33.887 v0.1.1  
 Source: Nokia, Nokia Shanghai Bell, CableLabs*

(Replaces S3-221768)

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

**S3-222399 Draft 33.887 Study on Security aspects for 5WWC Phase 2**

*Type: draft TR For: Approval  
 33.887 v0.2.0  
 Source: Nokia Solutions & Networks (I)*

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

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

**S3-222011 New Key issue on the security of the information transfer of the RAN AI/ML framework**

*Type: pCR For: Approval  
 33.877 v0.1.0  
 Source: Ericsson*

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

**S3-222012 New Key issue on the privacy of information handled by the RAN AI/ML framework**

*Type: pCR For: Approval  
 33.877 v0.1.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222404**.

**S3-222046 Privacy-Preserving Machine Learning**

*Type: pCR For: (not specified)  
 33.877 v0.1.0  
 Source: Intel*

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

**S3-221955 New Key Issue: Robustness of NG-RAN AI/ML against attacks**

*Type: pCR For: Approval  
 33.877 v0.1.0  
 Source: Philips International B.V.*

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

**S3-222043 Detection of MiTM attacks.**

*Type: pCR For: (not specified)  
 33.877 v0.1.0  
 Source: Intel*

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

**S3-222044 Anomalous Behaviour Detection**

*Type: pCR For: (not specified)  
 33.877 v0.1.0  
 Source: Intel*

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

**S3-222125 Detecting sources of potential data poisoning attacks towards RAN AI-ML based network optimizations**

*Type: pCR For: (not specified)  
 33.877 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221957 Editorial correction**

*Type: pCR For: Approval  
 33.877 v0.1.0  
 Source: Philips International B.V.*

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

**S3-222126 Discussion of Distributed Intelligent Enabled 6G Networks**

*Type: discussion For: (not specified)  
 Source: Xidian University*

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

**S3-221837 Detecting sources of potential data poisoning attacks towards RAN AI-ML based network optimizations**

*Type: pCR For: (not specified)  
 33.877 v0.1.0  
 Source: Nokia Japan*

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

**S3-222045 Privacy-Preserving Machine Learning**

*Type: pCR For: (not specified)  
 33.877 v0.1.0  
 Source: Intel*

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

**S3-222404 New Key issue on the privacy of information handled by the RAN AI/ML framework**

*Type: pCR For: Approval  
 33.877 v0.1.0  
 Source: Ericsson, Intel*

(Replaces S3-222012)

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

**S3-222405 Draft TR 33.877 v0.2.0 Study on the security aspects of Artificial Intelligence (AI)/Machine Learning (ML) for the NG-RAN**

*Type: draft TR For: Approval  
 33.877 v0.2.0  
 Source: Ericsson España S.A.*

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

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

**S3-221830 Proposed solution for key issue #1 using SHAKEN based third-party specific user identities**

*Type: pCR For: Approval  
 33.890 v0.1.0  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-222320**.

**S3-221952 New solution for 3rd party ID**

*Type: pCR For: Approval  
 33.890 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-221953 New KI on security aspects of SBA in IMS**

*Type: pCR For: Approval  
 33.890 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-221954 New KI on security aspects of IMS DC**

*Type: pCR For: Approval  
 33.890 v0.1.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-222338**.

**S3-222022 New solution: How the Originating IMS network signs the 3rd party IDs and terminating IMS network verifies the 3rd party IDs**

*Type: pCR For: Approval  
 33.890 v0.1.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222401**.

**S3-222220 New solution on AAA Server based Authorization for Third Party Specific User Identities**

*Type: pCR For: Approval  
 33.890 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-222221 New solution on IMS HSS based Authorization for Third Party Specific User Identities**

*Type: pCR For: Approval  
 33.890 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-222222 New solution on Verification of Third Party Specific User Identities based on STIR/SHAKEN framework**

*Type: pCR For: Approval  
 33.890 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-222320 Proposed solution for key issue #1 using SHAKEN based third-party specific user identities**

*Type: pCR For: Approval  
 33.890 v0.1.0  
 Source: Qualcomm Incorporated, Huawei, Hisilicon, Beijing Xiaomi Mobile Software*

(Replaces S3-221830)

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

**S3-222338 New KI on security aspects of IMS DC**

*Type: pCR For: Approval  
 33.890 v0.1.0  
 Source: Huawei, HiSilicon*

(Replaces S3-221954)

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

**S3-222340 Draft TR 33.890 020**

*Type: draft TR For: Approval  
 33.890 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-222401 New solution: How the Originating IMS network signs the 3rd party IDs and terminating IMS network verifies the 3rd party IDs**

*Type: pCR For: Approval  
 33.890 v0.1.0  
 Source: Ericsson, Beijing Xiaomi Mobile Software*

(Replaces S3-222022)

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

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

**S3-222042 Updates to non-3gpp access key issue**

*Type: pCR For: (not specified)  
 33.858 v0.1.0  
 Source: Intel*

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

**S3-222232 KI1,New Sol Authentication mechanism for untrusted non-3GPP Access in NPN scenarios**

*Type: pCR For: Approval  
 33.858 v0.1.0  
 Source: Xiaomi Communication*

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

**S3-222233 KI1,New Sol Authentication mechanism for trusted non-3GPP Access in NPN scenarios.**

*Type: pCR For: Approval  
 33.858 v0.1.0  
 Source: Xiaomi Communication*

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

**S3-222234 KI1,New Sol Authentication for devices that do not support 5GC NAS over WLAN access in NPN scenarios**

*Type: pCR For: Approval  
 33.858 v0.1.0  
 Source: Xiaomi Communication*

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

**S3-221895 New KI on the security of providing access to local services**

*Type: pCR For: Agreement  
 33.858 v0.1.0  
 Source: ZTE Corporation*

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

**S3-221923 Key Issue on Authentication for access to localized services**

*Type: pCR For: Approval  
 33.858 v0.1.0  
 Source: Lenovo*

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

**S3-221982 New Key Issue "Authentication for UE access to hosting network"**

*Type: pCR For: Approval  
 33.858 v0.1.0  
 Source: Ericsson, Intel, Nokia, Nokia Shanghai Bell*

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

**S3-221950 DP on loss of control of preferred SNPN list in eNPN**

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

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

**S3-221951 New KI on loss of control of preferred SNPN list in eNPN**

*Type: pCR For: Approval  
 33.858 v0.1.0  
 Source: Huawei,HiSilicon*

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

**S3-222231 New KI: Home control enhancement for eNPN**

*Type: pCR For: Approval  
 33.858 v0.1.0  
 Source: Xiaomi Communication*

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

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

**S3-221755 Key Issue on Direct C2 Authorization**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: InterDigital, Europe, Ltd.*

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

**S3-221756 Key Issue: UAV Privacy over PC5 link**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: InterDigital, Europe, Ltd.*

**Decision:** The document was **revised to S3-222361**.

**S3-221838 Key issue on Privacy and security aspects of broadcasting remote ID**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: Samsung*

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

**S3-222129 Key issue for privacy protection for unicast messages over PC5**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222427**.

**S3-222427 Key issue for privacy protection for unicast messages over PC5**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: China Mobile*

(Replaces S3-222129)

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

**S3-221757 Solution on Direct C2 Security**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: InterDigital, Europe, Ltd.*

**Decision:** The document was **revised to S3-222362**.

**S3-221829 Re-using V2X unicast security for UAS**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-222319**.

**S3-221900 Solution to secure direct C2 and DAA connection**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: Lenovo*

**Decision:** The document was **revised to S3-222268**.

**S3-222087 New solution about Security establishment and link security protection of unicast PC5 communication**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222130 Address EN in Overview and editorial modification**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-222428**.

**S3-222428 Address EN in Overview and editorial modification**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: China Mobile*

(Replaces S3-222130)

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

**S3-222268 Solution to secure direct C2 and DAA connection**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: Lenovo*

(Replaces S3-221900)

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

**S3-222319 Re-using V2X unicast security for UAS**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: Qualcomm Incorporated*

(Replaces S3-221829)

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

**S3-222323 Draft TR 33.891**

*Type: draft TR For: Approval  
 33.891 v0.2.0  
 Source: Qualcomm Incorporated*

(Replaces S3-221607)

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

**S3-222361 Key Issue: UAV Privacy over PC5 link**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: InterDigital, Europe, Ltd.*

(Replaces S3-221756)

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

**S3-222362 Solution on Direct C2 Security**

*Type: pCR For: Approval  
 33.891 v0.1.0  
 Source: InterDigital, Europe, Ltd.*

(Replaces S3-221757)

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

### 5.18 Study to enable URSP rules to securely identify Applications

**S3-221811 A solution for KI#1 - Provide additional authentication information to enhance URSP policy enforcement**

*Type: pCR For: Approval  
 33.892 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell, Lenovo*

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

**S3-221901 Solution on enhancing the URSP rule with certificate fingerprint**

*Type: pCR For: Approval  
 33.892 v0.1.0  
 Source: Lenovo*

**Abstract:**

This solution is targeting KI#1.

**Decision:** The document was **revised to S3-222425**.

**S3-221902 Scope for TR 33.892**

*Type: pCR For: Approval  
 33.892 v0.1.0  
 Source: Lenovo, Nokia, Nokia Shanghai Bell*

**Abstract:**

The document introduces the scope for the new TR 33.892.

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

**S3-221903 Update of KI#1**

*Type: pCR For: Approval  
 33.892 v0.1.0  
 Source: Lenovo, Nokia, Nokia Shanghai Bell*

**Abstract:**

This document is updating KI#1.

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

**S3-221905 Assumption on actors and attacker model**

*Type: pCR For: Approval  
 33.892 v0.1.0  
 Source: Lenovo*

**Abstract:**

This is updating the assumptions of the study.

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

**S3-222424 Draft TR 33.892 v0.2.0**

*Type: draft TR For: (not specified)  
 33.892 v0.2.0  
 Source: Lenovo*

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

**S3-222425 Solution on enhancing the URSP rule with certificate fingerprint**

*Type: pCR For: Approval  
 33.892 v0.1.0  
 Source: Lenovo*

(Replaces S3-221901)

**Abstract:**

This solution is targeting KI#1.

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

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

**S3-221970 Update Key Issue #1: privacy risks of exposing positioning reference signals**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Philips International B.V.*

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

**S3-222071 Addressing the editor's note in key issue#1**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222209 33.893: Add Third Party UE in KI#2**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-222348**.

**S3-221973 Update Key Issue #3: source authenticity verification**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Philips International B.V.*

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

**S3-222084 New Key Issue on the Security of Ranging/SL Positioning PC5 direct**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-221916 Key issue on Direct Communication Security**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: China Telecom Corporation Ltd.*

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

**S3-222207 33.893: New Key Issue on Security for PC5 Communication**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-222349**.

**S3-222208 33.893: New Key Issue on Security for SR5 Communication**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Xiaomi Technology*

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

**S3-222210 33.893: Solution on Assistant UE Authorization during Discovery for KI#2**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Xiaomi Technology*

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

**S3-222211 33.893: Solution on Application Server Authorization for KI#2**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Xiaomi Technology*

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

**S3-222212 33.893: Solution on 5GC NF Authorization for KI#2**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Xiaomi Technology*

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

**S3-222226 New solution on GMLC based authorization for Ranging/SL Positioning services**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-222227 New solution on NEF based authorization for Ranging/SL Positioning services**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-222206 33.893: Terminology Alignment**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Xiaomi Technology*

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

**S3-222348 33.893: Add Third Party UE in KI#2**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-222209)

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

**S3-222349 33.893: New Key Issue on Security for PC5 Communication**

*Type: pCR For: Approval  
 33.893 v0.1.0  
 Source: Xiaomi, Huawei, Hisilicon, ChinaTelecom, Interdigital*

(Replaces S3-222207)

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

**S3-222406 Draft TR 33.893 v0.2.0 Study on Security Aspects of Ranging Based Services and Sidelink Positioning**

*Type: draft TR For: Approval  
 33.893 v0.2.0  
 Source: Xiaomi Technology*

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

**S3-222423 TR 33.894 for FS\_ZTS**

*Type: draft TR For: Approval  
 33.894 v0.2.0  
 Source: Lenovo*

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

### 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

**S3-221787 Key issue on misuse of OAuth 2.0 access token by anomalous Network functions**

*Type: pCR For: Approval  
 33.894 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221931 KI "Need for trust evidence collection for dynamic trust monitoring"**

*Type: pCR For: Approval  
 33.894 v0.1.0  
 Source: Ericsson India Private Limited*

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

**S3-221956 Key Issue#1 on Need for continuous Trust evaluation**

*Type: pCR For: Approval  
 33.894 v0.1.0  
 Source: Lenovo, Nokia, Nokia Shanghai Bell, Rakuten Mobile Inc., Interdigital, US NSA, Motorola Solutions, Johns Hopkins University APL, Intel, Center for Internet Security, China Mobile, ZTE, CableLabs*

**Abstract:**

Revised Version of S3-221521-r3

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

**S3-221958 New Key Issue on Usage of Evaluated Trust Information**

*Type: pCR For: Approval  
 33.894 v0.1.0  
 Source: Lenovo*

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

**S3-222056 Discussion on ZTA study approach**

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

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

**S3-222057 Addition of tenant evaluation clause**

*Type: pCR For: Approval  
 33.894 v0.1.0  
 Source: Huawei, HiSilicon*

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

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

**S3-222093 New solution on User Consent for Roaming of eNA**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222223 New solution on User Consent for UE Data Exposure to HPLMN in the Roaming case**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-222224 New solution on User Consent for UE Data Exposure to VPLMN in the Roaming case**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-222225 New solution on Modification or Revocation of User Consent for eNA in the Roaming case**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-221974 Update Key Issue #2: User consent for NTN**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Philips International B.V.*

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

**S3-222092 Key Issue Update on User Consent for NTN**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222213 33.896: Requirements for Key Issue #2**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Xiaomi Technology*

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

**S3-221810 Solution for NTN User consent**

*Type: pCR For: (not specified)  
 33.896 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-222094 New solution on User Consent Architecture for RAN as enforcement point**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222214 33.896: Solution on Obtaining User Consent in Non-mobility Case for KI#2**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-222350**.

**S3-222215 33.896: Solution on Obtaining User Consent Revocation for KI#2**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-222351**.

**S3-222091 New key issue on User Consent for AI/ML for RAN**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222127 New Key Issue on User Consent for Roaming of Edge Application**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: China Mobile, Huawei, HiSilicon, OPPO*

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

**S3-222128 New Solution on User Consent for Edge Application**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: China Mobile, Huawei, HiSilicon, OPPO*

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

**S3-222350 33.896: Solution on Obtaining User Consent in Non-mobility Case for KI#2**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-222214)

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

**S3-222351 33.896: Solution on Obtaining User Consent Revocation for KI#2**

*Type: pCR For: Approval  
 33.896 v0.1.0  
 Source: Xiaomi Technology*

(Replaces S3-222215)

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

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

**S3-221812 MOCN security handling for MBS**

*Type: pCR For: (not specified)  
 33.883 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221836 TMGI protection during group Paging**

*Type: pCR For: (not specified)  
 33.883 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-222066 Add threat and requirement to key issue on TMGI protection**

*Type: pCR For: Approval  
 33.883 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222067 Add threat and requirement to key issue on MOCN**

*Type: pCR For: Approval  
 33.883 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222068 New key issue on security protection for Ues in RRC inactive state**

*Type: pCR For: Approval  
 33.883 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222069 Solution on security protection in MOCN network sharing scenario**

*Type: pCR For: Approval  
 33.883 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222070 MBS\_Abbreviations update**

*Type: pCR For: Approval  
 33.883 v0.1.0  
 Source: Huawei, HiSilicon*

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

**S3-222325 TR 33.883 for 5MBS security**

*Type: draft TR For: (not specified)  
 33.883 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-222342 TR 33.896v020**

*Type: draft TR For: (not specified)  
 33.896 v0.2.0  
 Source: Huawei, HiSilicon*

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

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

**S3-221899 Updated work plan for SID eSBA security**

*Type: WI status report For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222277**.

**S3-221843 Editiorial updates to 33875-120**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222278**.

**S3-221844 Scope update**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222279**.

**S3-221845 Clause 3 clean up of subsections**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221846 Scope general remark**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222280**.

**S3-221847 Trust clause editorial update**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222281**.

**S3-221848 KI1 EN resolution in KI1 - threat clarification**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222282**.

**S3-221849 KI1 solution 1 update**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221850 KI1 EN resolution in solution 6 - evaluation part**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221933 Resolving EN in solution #6**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S3-222327**.

**S3-221904 Authentication of NF Producer in Indirect Communication**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: CableLabs, Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222326**.

**S3-221851 KI1 conclusion on NFp authentication in indirect comm**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221852 KI2 update with solution and conclusion on trust domain**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222283**.

**S3-221853 KI3 EN resolution on requirements for subscribe notify**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221854 KI3 EN resolution in solution 12**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221936 Resolving EN in KI#3**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Huawei, Hisilicon*

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

**S3-221934 New solution for the authorization of the delegated subscribe**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Huawei, Hisilicon*

**Decision:** The document was **revised to S3-222328**.

**S3-221855 KI4 EN resolution of solution 3**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222284**.

**S3-221856 KI4 conclusion on authorization of SCP to act on behalf of another SCP**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222285**.

**S3-221857 KI5 Sol4 ENs resolution**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222286**.

**S3-221858 KI5 Sol5 ENs resolution**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221859 KI5 Sol8 ENs resolution**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-222247 Selective End of End Protection of HTTP Request and Response in Indirect**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: CableLabs*

**Decision:** The document was **revised to S3-222339**.

**S3-221860 KI5 conclusion on e2e integrity prot of HTTP msg**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222287**.

**S3-221861 KI6 EN resolution in KI threat**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222288**.

**S3-221862 KI6 related Sol7 update and conclusion on access token usage by NFs of an NF Set**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222289**.

**S3-221863 KI7 evaluation of solution 9 on authorization method negotiation**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222290**.

**S3-221935 Resolving EN in solution #9**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Huawei, Hisilicon*

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

**S3-221864 KI7 Adding a solution on how to handle static auth in roaming with existing methods**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222291**.

**S3-221865 KI7 conclusion on authorization mechanism determination**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221868 KI8 update of solution 10 and evaluation**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222292**.

**S3-221869 KI8 conclusion on deploying multiple NRFs**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222293**.

**S3-221870 KI9 sol11 EN resolution on authorization for inter-slicing access**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221897 Resolve EN for solution#11**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-222311**.

**S3-221928 Conclusion on KI9 authorization for inter-slicing access**

*Type: pCR For: (not specified)  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222294**.

**S3-221898 Conclusion for KI#9**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-222314**.

**S3-221737 LS to 3GPP Hosted SEPP**

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

**Decision:** The document was **replied to in S3-222304**.

**S3-221871 LS reply to GSMA on Hosted SEPP**

*Type: LS out For: Approval  
 to GSMA 5GMRR  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-222304**.

**S3-221978 Update to and split of KI#10 to clarify the scenarios**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: BSI (DE),Nokia, Nokia Shanghai Bell*

**Abstract:**

This pCR updates KI#10 on roaming. It differentiates between intermediary types (roaming hub, IPX) and associated roaming scenarios. The aim is to enhance clarity and explain the differences in requirements.

**Decision:** The document was **revised to S3-222436**.

**S3-222436 Update to and split of KI#10 to clarify the scenarios**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: BSI (DE),Nokia, Nokia Shanghai Bell*

(Replaces S3-221978)

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

**S3-221980 Solution for KI#10 (hosted SEPP)**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: BSI (DE),Nokia, Nokia Shanghai Bell*

**Abstract:**

This pCR proposes initial text for the scenario with a hosted SEPP (KI#10).

**Decision:** The document was **revised to S3-222437**.

**S3-222437 Solution for KI#10 (hosted SEPP)**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: BSI (DE),Nokia, Nokia Shanghai Bell*

(Replaces S3-221980)

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

**S3-222246 pCR to TR33.875 new solution on PRINS for roaming hubs**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: NTT DOCOMO INC., Nokia, NokiaShanghai Bell, BSI (DE), Deutsche Telekom*

**Decision:** The document was **revised to S3-222438**.

**S3-222438 pCR to TR33.875 new solution on PRINS for roaming hubs**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: NTT DOCOMO INC., Nokia, NokiaShanghai Bell, BSI (DE), Deutsche Telekom*

(Replaces S3-222246)

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

**S3-221872 KI10 conclusion on N32 roaming**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-221999 Discussion regarding issues for NRF validation of NFc for access token**

*Type: discussion For: Discussion  
 Source: Ericsson*

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

**S3-222000 Certificate solution for NRF validation of NFc for access token requests**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222302**.

**S3-222001 Combined certificate and profile solution for NRF validation of NFc for access token requests**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-222303**.

**S3-221873 KI11 conclusion on NFc registration at NRF**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-222277 Updated work plan for SID eSBA security**

*Type: WI status report For: Endorsement  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221899)

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

**S3-222278 Editiorial updates to 33875-120**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221843)

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

**S3-222279 Scope update**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221844)

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

**S3-222280 Scope general remark**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221846)

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

**S3-222281 Trust clause editorial update**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221847)

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

**S3-222282 KI1 EN resolution in KI1 - threat clarification**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221848)

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

**S3-222283 KI2 update with solution and conclusion on trust domain**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221852)

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

**S3-222284 KI4 EN resolution of solution 3**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221855)

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

**S3-222285 KI4 conclusion on authorization of SCP to act on behalf of another SCP**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221856)

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

**S3-222286 KI5 Sol4 ENs resolution**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221857)

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

**S3-222287 KI5 conclusion on e2e integrity prot of HTTP msg**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221860)

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

**S3-222288 KI6 EN resolution in KI threat**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221861)

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

**S3-222289 KI6 related Sol7 update and conclusion on access token usage by NFs of an NF Set**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221862)

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

**S3-222290 KI7 evaluation of solution 9 on authorization method negotiation**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221863)

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

**S3-222291 KI7 Adding a solution on how to handle static auth in roaming with existing methods**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221864)

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

**S3-222292 KI8 update of solution 10 and evaluation**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221868)

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

**S3-222293 KI8 conclusion on deploying multiple NRFs**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221869)

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

**S3-222294 Conclusion on KI9 authorization for inter-slicing access**

*Type: pCR For: (not specified)  
 33.875 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221928)

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

**S3-222295 TR 33.875-130 eSBA Security**

*Type: draft TR For: (not specified)  
 33.875 v1.3.0  
 Source: Nokia*

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

**S3-222302 Certificate solution for NRF validation of NFc for access token requests**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Ericsson*

(Replaces S3-222000)

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

**S3-222303 Combined certificate and profile solution for NRF validation of NFc for access token requests**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Ericsson*

(Replaces S3-222001)

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

**S3-222304 LS reply to GSMA on Hosted SEPP**

*Type: LS out For: Approval  
 to GSMA 5GMRR  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-221871)

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

**S3-222311 Resolve EN for solution#11**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Samsung, Nokia, Nokia Shanghai Bell*

(Replaces S3-221897)

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

**S3-222314 Conclusion for KI#9**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Samsung*

(Replaces S3-221898)

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

**S3-222326 Authentication of NF Producer in Indirect Communication**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: CableLabs, Nokia, Nokia Shanghai Bell*

(Replaces S3-221904)

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

**S3-222327 Resolving EN in solution #6**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Huawei, Hisilicon, Nokia, Nokia Shanghai Bell*

(Replaces S3-221933)

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

**S3-222328 New solution for the authorization of the delegated subscribe**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: Huawei, Hisilicon*

(Replaces S3-221934)

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

**S3-222339 Selective End of End Protection of HTTP Request and Response in Indirect**

*Type: pCR For: Approval  
 33.875 v1.2.0  
 Source: CableLabs*

(Replaces S3-222247)

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

## 6 New Study/Work item proposals

**S3-221751 Discussion paper on open questions regarding 256-bit algorithms**

*Type: discussion For: Discussion  
 33.841 v..  
 Source: KDDI Corporation*

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

**S3-221761 Discussion on Work for Prose Secondary Authentication in Rel-18**

*Type: discussion For: Endorsement  
 Source: InterDigital, Europe, Ltd.*

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

**S3-221762 New WID: 5G ProSe Secondary Authentication**

*Type: WID new For: Approval  
 Source: InterDigital, Europe, Ltd., LG Electronics, Samsung, China Telecom*

**Decision:** The document was **revised to S3-222366**.

**S3-221785 Discussion on authenticating carrier applications via IMS**

*Type: discussion For: Endorsement  
 Source: Google, Apple*

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

**S3-221896 DTLS for AKMA WID**

*Type: WID new For: Approval  
 Source: ZTE Corporation*

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

**S3-222013 New WID on IETF OSCORE Ua\* protocol profile for AKMA**

*Type: WID new For: Agreement  
 Source: Ericsson*

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

**S3-222039 Study on enhancements to facilitate N32 adoption by Standalone Non-Public Networks**

*Type: SID new For: (not specified)  
 Source: Intel*

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

**S3-222041 Discussion about the enhancement to N32 Reference Point**

*Type: discussion For: Endorsement  
 Source: Intel*

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

**S3-222049 Discussion Paper on Revised WID(s) on AKMA Kaf Refresh**

*Type: discussion For: Endorsement  
 Source: OPPO, ZTE, Nokia, Nokia Shanghai Bell, Samsung*

**Abstract:**

Discussion paper on how to proceed with AKMA Kaf refresh

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

**S3-222050 Revised SID on enhancement of AKMA**

*Type: other For: Agreement  
 Source: OPPO, ZTE, Nokia, Nokia Shanghai Bell, Samsung, Apple, VIVO*

**Abstract:**

Revised SID on enhancement of AKMA to support Kaf refresh

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

**S3-222051 Revised SID on Study of Security aspect of home network triggered primary authentication**

*Type: other For: Agreement  
 Source: OPPO, ZTE, Nokia, Nokia Shanghai Bell, Samsung*

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

**S3-222072 New SID on eLCS security**

*Type: WID new For: Approval  
 Source: Huawei, HiSilicon*

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

**S3-222073 Discussion paper on eLCS security**

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

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

**S3-222085 R18 WID on security for Isolated Operation for Public Safety in 5G system**

*Type: WID new For: Approval  
 Source: Huawei, HiSilicon*

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

**S3-222086 Discussion on the security of Isolated Operation for Public Safety in 5GS**

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

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

**S3-222101 Revised WID for 5G SCAS work for Rel-17 features on existing functions**

*Type: WID revised For: Approval  
 Source: Huawei, HiSilicon*

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

**S3-222120 Security assurance specification drafting**

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

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

**S3-222197 New SID on Security Aspects of Satellite Access**

*Type: SID new For: Approval  
 Source: Xiaomi, China Mobile, China Telecom, Qualcomm, InterDitigal, ZTE, Nokia, Nokia Shanghai Bell, Thales*

**Decision:** The document was **revised to S3-222439**.

**S3-222439 New SID on Security Aspects of Satellite Access**

*Type: SID new For: Approval  
 Source: Xiaomi, China Mobile, China Telecom, Qualcomm, InterDitigal, ZTE, Nokia, Nokia Shanghai Bell, Thales*

(Replaces S3-222197)

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

**S3-222254 WID on SBA security**

*Type: WID new For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-222366 New WID: 5G ProSe Secondary Authentication**

*Type: WID new For: Approval  
 Source: InterDigital, Europe, Ltd., LG Electronics, Samsung, China Telecom, Philips*

(Replaces S3-221762)

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

## 7 CVD and research

**S3-221922 Recent research papers on LTE security**

*Type: discussion For: Discussion  
 Source: CableLabs*

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

## 8 Any Other Business

**S3-221717 SA3 meeting calendar**

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

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

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S3-221710 | Agenda | SA WG3 Chair | approved | - | - |
| S3-221711 | Report from SA3#107e | MCC | approved | - | - |
| S3-221712 | Report from SA3#107e ad-Hoc | SA WG3 Chair | approved | - | - |
| S3-221713 | Process for SA3#108e | SA WG3 Chair | noted | - | - |
| S3-221714 | Report from last SA | SA WG3 Chair | noted | - | - |
| S3-221715 | Meeting notes from SA3 leadership | MCC | reserved | - | - |
| S3-221716 | Process and agenda planning for SA3#108e | SA WG3 Chair | noted | - | - |
| S3-221717 | SA3 meeting calendar | SA WG3 Chair | noted | - | - |
| S3-221718 | Reply LS on EPS fallback enhancements | C1-223535 | noted | - | - |
| S3-221719 | LS on user’s consent for EDGEAPP | C3-223780 | postponed | - | - |
| S3-221720 | LS on CT specification on Control Plane based security procedures for 5G ProSe UE-to-Network Relay | CP-221322 | noted | - | - |
| S3-221721 | LS to 3GPP on user plane security | GSMA | replied to | - | - |
| S3-221722 | LS on 3GPP TS 29.244 | BBF | noted | - | - |
| S3-221723 | East/West Bound Interface for Telco Edge consideration | GSMA | replied to | - | - |
| S3-221724 | LS on UE’s LTE UPIP capability for EN-DC | R3-223915 | replied to | - | - |
| S3-221725 | Reply LS on User Consent Updating | R3-224076 | noted | - | - |
| S3-221726 | Reply LS on UE capabilities indication in UPU | S2-2204722 | noted | - | - |
| S3-221727 | LS on Joint CC for support of LI at HO for S8 Home routing | S2-2204731 | noted | - | - |
| S3-221728 | Reply LS on the impact of MSK update on MBS multicast session update procedure | S2-2204741 | replied to | - | - |
| S3-221729 | Reply LS on Clarifications on Nmbstf\_MBSDistributionSession service | S2-2204742 | noted | - | - |
| S3-221730 | LS OUT on Indication of Network Assisted Positioning method | S2-2204744 | noted | - | - |
| S3-221731 | LS OUT on alignment of non-seamless NSW handling | S2-2204752 | noted | - | - |
| S3-221732 | LS on 5G ProSe security open items | S2-2204904 | replied to | - | - |
| S3-221733 | LS on CAPIF authorization roles related to FS\_SNAAPP | S6-221771 | noted | - | - |
| S3-221734 | LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network | S6-221953 | postponed | - | - |
| S3-221735 | Reply LS on 5G ProSe security open items | SP-220716 | replied to | - | - |
| S3-221736 | LS on X.5Gsec-vs (X.1813): Security requirements for the operation of vertical services supporting ultra- reliable and low latency communication | ITU-T Study Group 17 | noted | - | - |
| S3-221737 | LS to 3GPP Hosted SEPP | GSMA | replied to | - | - |
| S3-221738 | LS on authentication type and related information of MSGin5G service | C1-223957 | withdrawn | - | - |
| S3-221739 | LS on consent of ITU-T Q.3062 (ex Q.Pro-Trust) and ITU-T Q.3063 (ex Q.CIDA) | ITU-T SG11 | noted | - | - |
| S3-221740 | Facilitating roaming adoption across 3GPP NPN deployments | WBA OpenRoaming Technical Standards Task Group | postponed | - | - |
| S3-221741 | [33.180] R14 Incorrect Reference | Motorola Solutions Danmark A/S | revised | - | S3-222271 |
| S3-221742 | [33.180] R15 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | revised | - | S3-222272 |
| S3-221743 | [33.180] R16 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | revised | - | S3-222273 |
| S3-221744 | [33.180] R17 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | revised | - | S3-222274 |
| S3-221745 | TCG progress - report from TCG rapporteur | InterDigital, Inc. | noted | - | - |
| S3-221746 | Clarification on NAI format for PRUK ID | ZTE Corporation | agreed | - | - |
| S3-221747 | Address ENs related to sending UAV ID to UAV | Huawei, HiSilicon | not pursued | - | - |
| S3-221748 | HPLMN ID of Remote UE in Remote UE Report message | Ericsson | agreed | - | - |
| S3-221749 | Implementation correction of S3-221294 | Ericsson | revised | - | S3-222356 |
| S3-221750 | [33.180] R18 MC client clarification | Motorola Solutions Danmark A/S | not pursued | - | - |
| S3-221751 | Discussion paper on open questions regarding 256-bit algorithms | KDDI Corporation | noted | - | - |
| S3-221752 | New group of test cases deriving from TS 33.117 for SCAS AAnF | Keysight Technologies UK Ltd | revised | - | S3-222260 |
| S3-221753 | New test case to cover the AAnF provisioning | Keysight Technologies UK Ltd | withdrawn | - | - |
| S3-221754 | New test case to cover the AAnF provisioning | Keysight Technologies UK Ltd | not pursued | - | - |
| S3-221755 | Key Issue on Direct C2 Authorization | InterDigital, Europe, Ltd. | approved | - | - |
| S3-221756 | Key Issue: UAV Privacy over PC5 link | InterDigital, Europe, Ltd. | revised | - | S3-222361 |
| S3-221757 | Solution on Direct C2 Security | InterDigital, Europe, Ltd. | revised | - | S3-222362 |
| S3-221758 | LS Reply on Reply LS on 5G ProSe security open items | InterDigital, Europe, Ltd. | revised | - | S3-222363 |
| S3-221759 | Support for Prose Secondary Authentication excluded from Rel-17 | InterDigital, Europe, Ltd., LG Electronics, Samsung | not pursued | - | - |
| S3-221760 | CP-UP Security Procedure selection | InterDigital, Europe, Ltd. | merged | - | S3-222375 |
| S3-221761 | Discussion on Work for Prose Secondary Authentication in Rel-18 | InterDigital, Europe, Ltd. | noted | - | - |
| S3-221762 | New WID: 5G ProSe Secondary Authentication | InterDigital, Europe, Ltd., LG Electronics, Samsung, China Telecom | revised | - | S3-222366 |
| S3-221763 | New Solution for Security of Layer-2 based UE-to-UE Relay | InterDigital, Europe, Ltd. | noted | - | - |
| S3-221764 | New solution: Restricted Peer UE IP Discovery with Layer-3 UE-to-UE Relay | InterDigital, Europe, Ltd. | revised | - | S3-222364 |
| S3-221765 | New solution: Privacy for Layer-3 UE-to-UE Relay based on IP routing | InterDigital, Europe, Ltd. | revised | - | S3-222365 |
| S3-221766 | KI1 Update | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221767 | KI2 Update | Nokia, Nokia Shanghai Bell | approved | - | - |
| S3-221768 | EAP\_AKA prime based authentication for AUN3 devices | Nokia, Nokia Shanghai Bell | revised | - | S3-222395 |
| S3-221769 | EAP\_TLS based authentication for AUN3 devices | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221770 | Solution for UE privacy | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221771 | Discussion on authorization issue in inter NF mobility | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221772 | Clarification on authorization for inter NF mobility | Nokia, Nokia Shanghai Bell | not pursued | - | - |
| S3-221773 | Discussion on privacy issue in AKMA | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221774 | Correction in UPU procedure to align with stage 3 | Nokia, Nokia Shanghai Bell | not pursued | - | - |
| S3-221775 | Correction in UPU procedure to align with stage 3 | Nokia, Nokia Shanghai Bell | not pursued | - | - |
| S3-221776 | NSWO alignment for MSK and PMK | Nokia, Nokia Shanghai Bell, CableLabs | agreed | - | - |
| S3-221777 | Correction in AUSF api related to NSWO | Nokia, Nokia Shanghai Bell, CableLabs | revised | - | S3-222396 |
| S3-221778 | LS reply on 5G NSWO roaming aspects | Nokia, Nokia Shanghai Bell | revised | - | S3-222397 |
| S3-221779 | New key issue on Protecting Identification of PIN and PIN Privacy | InterDigital, Inc. | noted | - | - |
| S3-221780 | New key issue on Security of Discovery of PINE and PIN | InterDigital, Inc. | noted | - | - |
| S3-221781 | Adding threats and requirements to KI#1 | InterDigital, Inc. | merged | - | S3-222374 |
| S3-221782 | New subclause - Assumptions for PIN | InterDigital, Inc. | noted | - | - |
| S3-221783 | New key issue on Secure Communication between PINEs | InterDigital, Inc. | noted | - | - |
| S3-221784 | New key issue on Secure policy and parameters provisioning for PIN | InterDigital, Inc. | noted | - | - |
| S3-221785 | Discussion on authenticating carrier applications via IMS | Google, Apple | noted | - | - |
| S3-221786 | Verification of NSSAIs for preventing slice attack | CableLabs, Ericsson,Nokia, Nokia Shanghai Bell | not pursued | S3-221131 | - |
| S3-221787 | Key issue on misuse of OAuth 2.0 access token by anomalous Network functions | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221788 | LS reply on user plane security | Nokia, Nokia Shanghai Bell | merged | - | S3-222426 |
| S3-221789 | User plane security for Non-SBA based interfaces | Nokia, Nokia Shanghai Bell | not pursued | - | - |
| S3-221790 | LS reply on East/West Bound Interface for Telco Edge consideration | Nokia, Nokia Shanghai Bell | revised | - | S3-222360 |
| S3-221791 | Update Key Issue for authentication of PINE | vivo | merged | - | S3-222374 |
| S3-221792 | New Key Issue for security protection on parameters requested from PEMC that will be provisioned to PEGC | vivo | noted | - | - |
| S3-221793 | New Key Issue for controlling credential downloading to PINE | vivo | noted | - | - |
| S3-221794 | Solution on Key Issue #3 | BUPT | withdrawn | - | - |
| S3-221795 | Include SN ID in NSSAA procedure in support of multiple registration | Huawei, Hisilicon | not pursued | - | - |
| S3-221796 | Clean up to TR33874 | Huawei, Hisilicon | revised | - | S3-222305 |
| S3-221797 | Address EN on alignment to SA2 | Huawei, Hisilicon | not pursued | - | - |
| S3-221798 | LS to SA2 to align NSACF procedure | Huawei, Hisilicon | noted | - | - |
| S3-221799 | Address EN on AF Authorization | Huawei, Hisilicon | not pursued | - | - |
| S3-221800 | update to KI#1 | Huawei, Hisilicon | noted | - | - |
| S3-221801 | update to KI#2 | Huawei, Hisilicon | noted | - | - |
| S3-221802 | update to KI#3 | Huawei, Hisilicon | noted | - | - |
| S3-221803 | Solution on temporay slice authorization | Huawei, Hisilicon | noted | - | - |
| S3-221804 | New solution for network triggered authentication of PINE | vivo | noted | - | - |
| S3-221805 | New Ki related to authorization of exposed PIN capabilites | Nokia, Nokia Shanghai Bell | revised | - | S3-222343 |
| S3-221806 | Discussion Paper on Structure of KIs | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221807 | New KI on securing resource owner access to own resources | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221808 | New KI on securing API access from AF acting on own behalf | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221809 | New Ki on securing API access from subscriber to resources of other subscriber | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221810 | Solution for NTN User consent | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221811 | A solution for KI#1 - Provide additional authentication information to enhance URSP policy enforcement | Nokia, Nokia Shanghai Bell, Lenovo | approved | - | - |
| S3-221812 | MOCN security handling for MBS | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221813 | Discussion paper on draft CR to TR 33.926 for split gNB | Qualcomm Incorporated | noted | - | - |
| S3-221814 | Introducing split gNBs into TR 33.926 | Qualcomm Incorporated | noted | - | - |
| S3-221815 | Proposed text for gNB-CU part of draft CR to TR 33.926 | Qualcomm Incorporated | noted | - | - |
| S3-221816 | Proposed text for gNB-CU-CP part of draft CR to TR 33.926 | Qualcomm Incorporated | noted | - | - |
| S3-221817 | Proposed text for gNB-CU-UP part of draft CR to TR 33.926 | Qualcomm Incorporated | revised | - | S3-222307 |
| S3-221818 | Proposed text for gNB-DU part of draft CR to TR 33.926 | Qualcomm Incorporated | revised | - | S3-222308 |
| S3-221819 | Discussion paper on 33.501 test cases for TS 33.742 SCAS for split gNB | Qualcomm Incorporated | noted | - | - |
| S3-221820 | Proposed text for gNB-CU test cases from TS 33.501 for TS 33.742 | Qualcomm Incorporated | revised | - | S3-222309 |
| S3-221821 | Proposed text for gNB-CU-CP test cases from TS 33.501 for TS 33.742 | Qualcomm Incorporated | revised | - | S3-222310 |
| S3-221822 | Proposed text for gNB-CU-UP test cases from TS 33.501 for TS 33.742 | Qualcomm Incorporated | revised | - | S3-222312 |
| S3-221823 | Proposed text for gNB-DU test cases from TS 33.501 for TS 33.742 | Qualcomm Incorporated | revised | - | S3-222313 |
| S3-221824 | Proposed corrections for TS 33.742 | Qualcomm Incorporated | approved | - | - |
| S3-221825 | Proposed correction to Annex D on gNB network product class | Qualcomm Incorporated | revised | - | S3-222315 |
| S3-221826 | Corrections for gNB test cases | Qualcomm Incorporated | revised | - | S3-222317 |
| S3-221827 | Resolving the EN on CAA level ID during UUAA procedures | Qualcomm Incorporated | not pursued | S3-220979 | - |
| S3-221828 | Resolving the ENs on CAA level ID during revocation | Qualcomm Incorporated | not pursued | S3-220981 | - |
| S3-221829 | Re-using V2X unicast security for UAS | Qualcomm Incorporated | revised | - | S3-222319 |
| S3-221830 | Proposed solution for key issue #1 using SHAKEN based third-party specific user identities | Qualcomm Incorporated | revised | - | S3-222320 |
| S3-221831 | A new solution for security mechanism for UE-to-UE Relay discovery | Qualcomm Incorporated | noted | - | - |
| S3-221832 | A new solution for security mechanism for UE-to-UE Relay discovery in case of multiple ProSe services for an RSC | Qualcomm Incorporated | noted | - | - |
| S3-221833 | A new solution for secure PC5 link establishment for UE-to-UE relay | Qualcomm Incorporated | noted | - | - |
| S3-221834 | Updates on Open 5G ProSe Direct Discovery | Qualcomm Incorporated | agreed | - | - |
| S3-221835 | Updates on Restricted 5G ProSe Direct Discovery | Qualcomm Incorporated | not pursued | - | - |
| S3-221836 | TMGI protection during group Paging | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221837 | Detecting sources of potential data poisoning attacks towards RAN AI-ML based network optimizations | Nokia Japan | withdrawn | - | - |
| S3-221838 | Key issue on Privacy and security aspects of broadcasting remote ID | Samsung | noted | - | - |
| S3-221839 | Key issue for secure ProSe multi-path transmission for UE-to-Network relay | Samsung | noted | - | - |
| S3-221840 | TargetNFServiceSetId to be part of access token claims | Nokia, Nokia Shanghai Bell | not pursued | - | - |
| S3-221841 | Clarification on N32-f connection establishment with TLS | Nokia, Nokia Shanghai Bell | not pursued | - | - |
| S3-221842 | pSEPP authorization fo PLMN ID in access token for TLS | Nokia, Nokia Shanghai Bell | revised | - | S3-222275 |
| S3-221843 | Editiorial updates to 33875-120 | Nokia, Nokia Shanghai Bell | revised | - | S3-222278 |
| S3-221844 | Scope update | Nokia, Nokia Shanghai Bell | revised | - | S3-222279 |
| S3-221845 | Clause 3 clean up of subsections | Nokia, Nokia Shanghai Bell | approved | - | - |
| S3-221846 | Scope general remark | Nokia, Nokia Shanghai Bell | revised | - | S3-222280 |
| S3-221847 | Trust clause editorial update | Nokia, Nokia Shanghai Bell | revised | - | S3-222281 |
| S3-221848 | KI1 EN resolution in KI1 - threat clarification | Nokia, Nokia Shanghai Bell | revised | - | S3-222282 |
| S3-221849 | KI1 solution 1 update | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221850 | KI1 EN resolution in solution 6 - evaluation part | Nokia, Nokia Shanghai Bell | merged | - | S3-222327 |
| S3-221851 | KI1 conclusion on NFp authentication in indirect comm | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221852 | KI2 update with solution and conclusion on trust domain | Nokia, Nokia Shanghai Bell | revised | - | S3-222283 |
| S3-221853 | KI3 EN resolution on requirements for subscribe notify | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221854 | KI3 EN resolution in solution 12 | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221855 | KI4 EN resolution of solution 3 | Nokia, Nokia Shanghai Bell | revised | - | S3-222284 |
| S3-221856 | KI4 conclusion on authorization of SCP to act on behalf of another SCP | Nokia, Nokia Shanghai Bell | revised | - | S3-222285 |
| S3-221857 | KI5 Sol4 ENs resolution | Nokia, Nokia Shanghai Bell | revised | - | S3-222286 |
| S3-221858 | KI5 Sol5 ENs resolution | Nokia, Nokia Shanghai Bell | approved | - | - |
| S3-221859 | KI5 Sol8 ENs resolution | Nokia, Nokia Shanghai Bell | approved | - | - |
| S3-221860 | KI5 conclusion on e2e integrity prot of HTTP msg | Nokia, Nokia Shanghai Bell | revised | - | S3-222287 |
| S3-221861 | KI6 EN resolution in KI threat | Nokia, Nokia Shanghai Bell | revised | - | S3-222288 |
| S3-221862 | KI6 related Sol7 update and conclusion on access token usage by NFs of an NF Set | Nokia, Nokia Shanghai Bell | revised | - | S3-222289 |
| S3-221863 | KI7 evaluation of solution 9 on authorization method negotiation | Nokia, Nokia Shanghai Bell | revised | - | S3-222290 |
| S3-221864 | KI7 Adding a solution on how to handle static auth in roaming with existing methods | Nokia, Nokia Shanghai Bell | revised | - | S3-222291 |
| S3-221865 | KI7 conclusion on authorization mechanism determination | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221866 | DraftCR NRF deployments | Nokia, Nokia Shanghai Bell, Ericsson, Mavenir, Huawei, HiSilicon | approved | - | - |
| S3-221867 | CR NRF deployments | Nokia, Nokia Shanghai Bell, Ericsson, Mavenir, Huawei, HiSilicon | endorsed | - | - |
| S3-221868 | KI8 update of solution 10 and evaluation | Nokia, Nokia Shanghai Bell | revised | - | S3-222292 |
| S3-221869 | KI8 conclusion on deploying multiple NRFs | Nokia, Nokia Shanghai Bell | revised | - | S3-222293 |
| S3-221870 | KI9 sol11 EN resolution on authorization for inter-slicing access | Nokia, Nokia Shanghai Bell | merged | - | S3-222311 |
| S3-221871 | LS reply to GSMA on Hosted SEPP | Nokia, Nokia Shanghai Bell | revised | - | S3-222304 |
| S3-221872 | KI10 conclusion on N32 roaming | Nokia, Nokia Shanghai Bell | approved | - | - |
| S3-221873 | KI11 conclusion on NFc registration at NRF | Nokia, Nokia Shanghai Bell | approved | - | - |
| S3-221874 | Secondary PDU re-authentication when UE is not reachable | Samsung | not pursued | - | - |
| S3-221875 | Add a test case in TS 33.216 | ZTE Corporation | noted | - | - |
| S3-221876 | Adding AAnF critical assets to TS 33.926 | ZTE Corporation | revised | - | S3-222369 |
| S3-221877 | Adding AKMA subscription asynchronization threats to TS 33.926 | ZTE Corporation | noted | - | - |
| S3-221878 | Security Assurance Requirement and Test for AKMA subscription synchronization in the AAnF | ZTE Corporation | noted | - | - |
| S3-221879 | 5GPRUK refresh in clause 6.3.3.3.2 | ZTE Corporation | not pursued | - | - |
| S3-221880 | Clarification on subscription update in clause 6.3.3.3.2 | ZTE Corporation | not pursued | - | - |
| S3-221881 | Verification of NSSAIs for preventing slice attack | ZTE Corporation | noted | - | - |
| S3-221882 | Add ApplicationKey\_ AnonUser\_Get into table 7.1.1-1 | ZTE Corporation | revised | - | S3-222368 |
| S3-221883 | Add Context\_Remove into table 7.1.1-1. | ZTE Corporation | not pursued | - | - |
| S3-221884 | Add UDM or OAM in clause 6.6.1and 6.7 | ZTE Corporation | not pursued | - | - |
| S3-221885 | AKMA application context removal | ZTE Corporation | not pursued | - | - |
| S3-221886 | Adding a test case for gNB in TS 33.511 clause 4.2.2.1.4-R16 | ZTE Corporation | not pursued | - | - |
| S3-221887 | Adding a test case for gNB in TS 33.511 clause 4.2.2.1.4-R17 | ZTE Corporation | not pursued | - | - |
| S3-221888 | Adding a test case for gNB in TS 33.511 clause 4.2.2.1.4-R18 | ZTE Corporation | not pursued | - | - |
| S3-221889 | Clarification on ResumeMAC-IshortResumeMAC-I check failed in clause 6.8.2.1.3-R15 | ZTE Corporation | not pursued | - | - |
| S3-221890 | Clarification on ResumeMAC-IshortResumeMAC-I check failed in clause 6.8.2.1.3-R16 | ZTE Corporation | not pursued | - | - |
| S3-221891 | Clarification on ResumeMAC-IshortResumeMAC-I check failed in clause 6.8.2.1.3-R17 | ZTE Corporation | not pursued | - | - |
| S3-221892 | Add terms and abbreviations to TR 33.882 | ZTE Corporation | revised | - | S3-222367 |
| S3-221893 | New KI on the Security of Network Slice Service continuity | ZTE Corporation | noted | - | - |
| S3-221894 | New KI-protecting information transfer in UE initiated slice-based SoR | ZTE Corporation | noted | - | - |
| S3-221895 | New KI on the security of providing access to local services | ZTE Corporation | noted | - | - |
| S3-221896 | DTLS for AKMA WID | ZTE Corporation | noted | - | - |
| S3-221897 | Resolve EN for solution#11 | Samsung | revised | - | S3-222311 |
| S3-221898 | Conclusion for KI#9 | Samsung | revised | - | S3-222314 |
| S3-221899 | Updated work plan for SID eSBA security | Nokia, Nokia Shanghai Bell | revised | - | S3-222277 |
| S3-221900 | Solution to secure direct C2 and DAA connection | Lenovo | revised | - | S3-222268 |
| S3-221901 | Solution on enhancing the URSP rule with certificate fingerprint | Lenovo | revised | - | S3-222425 |
| S3-221902 | Scope for TR 33.892 | Lenovo, Nokia, Nokia Shanghai Bell | approved | - | - |
| S3-221903 | Update of KI#1 | Lenovo, Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221904 | Authentication of NF Producer in Indirect Communication | CableLabs, Nokia, Nokia Shanghai Bell | revised | - | S3-222326 |
| S3-221905 | Assumption on actors and attacker model | Lenovo | noted | - | - |
| S3-221906 | EAP base authentication for AUN3 devices behind RG | CableLabs | noted | - | - |
| S3-221907 | Clarification to multiple registrations in different PLMNs | Ericsson | revised | - | S3-222255 |
| S3-221908 | Discussion paper on multiple registrations in different PLMN’s and different access types | Ericsson | revised | - | S3-222257 |
| S3-221909 | Correction to authorization based on RSC | Ericsson | revised | - | S3-222357 |
| S3-221910 | Clarifications of general description to Restricted 5G ProSe Direct Discovery | Ericsson | revised | - | S3-222358 |
| S3-221911 | Rename 5GPRUK ID and 5GPRUK in CP based solution | Ericsson | revised | - | S3-222359 |
| S3-221912 | New solution for PC5 link security when UE-to-UE relay is in coverage | Ericsson | revised | - | S3-222354 |
| S3-221913 | New solution for PC5 link security when UE-to-UE relay is out of coverage | Ericsson | revised | - | S3-222355 |
| S3-221914 | Reply LS on UE’s LTE UPIP capability for EN-DC | Ericsson | merged | - | S3-222432 |
| S3-221915 | Activation of UP IP in SgNB | Ericsson | merged | - | S3-222431 |
| S3-221916 | Key issue on Direct Communication Security | China Telecom Corporation Ltd. | merged | - | S3-222349 |
| S3-221917 | Update to KI#1 Providing VPLMN slice information to roaming UE | Lenovo | noted | - | - |
| S3-221918 | Alignment of NAS transport protocol for 5G-RG over Wireline | Ericsson | revised | - | S3-222263 |
| S3-221919 | Alignment of NAS transport protocol for 5G-RG over Wireline | Ericsson | revised | - | S3-222264 |
| S3-221920 | Update key issue on Authentication and authorization for PINE | Philips International B.V. | merged | - | S3-222374 |
| S3-221921 | Solution for PC5 link security establishment for U2U Relay | China Telecom Corporation Ltd. | revised | - | S3-222402 |
| S3-221922 | Recent research papers on LTE security | CableLabs | noted | - | - |
| S3-221923 | Key Issue on Authentication for access to localized services | Lenovo | noted | - | - |
| S3-221924 | New Solution UE-to-UE security | Philips International B.V. | revised | - | S3-222296 |
| S3-221925 | Authentication and Authorization for UE originated API Invocation | Lenovo | noted | - | - |
| S3-221926 | Solution for U2U Relay (model A) discovery security | China Telecom Corporation Ltd. | noted | - | - |
| S3-221927 | Architectural assumption on out-of-coverage operation of UE-to-UE relay | Philips International B.V. | approved | - | - |
| S3-221928 | Conclusion on KI9 authorization for inter-slicing access | Nokia, Nokia Shanghai Bell | revised | - | S3-222294 |
| S3-221929 | New Key Issue on path switching between different N3IWFs | KPN N.V. | noted | - | - |
| S3-221930 | Solution for U2U Relay (model B) discovery security | China Telecom Corporation Ltd. | noted | - | - |
| S3-221931 | KI "Need for trust evidence collection for dynamic trust monitoring" | Ericsson India Private Limited | noted | - | - |
| S3-221932 | Clarification on the authorzation of NF Service Consumers for data access via DCCF for R17 | Huawei, Hisilicon | agreed | - | - |
| S3-221933 | Resolving EN in solution #6 | Huawei, Hisilicon | revised | - | S3-222327 |
| S3-221934 | New solution for the authorization of the delegated subscribe | Huawei, Hisilicon | revised | - | S3-222328 |
| S3-221935 | Resolving EN in solution #9 | Huawei, Hisilicon | noted | - | - |
| S3-221936 | Resolving EN in KI#3 | Huawei, Hisilicon | noted | - | - |
| S3-221937 | TS33.526 MnF threats | Huawei, Hisilicon | revised | - | S3-222329 |
| S3-221938 | TS33.526 Mnf\_test cases | Huawei, Hisilicon | noted | - | - |
| S3-221939 | new threat for KAUSF handling | Huawei,HiSilicon | noted | - | - |
| S3-221940 | token verification modification to include SNPN snenario | Huawei,HiSilicon | noted | - | - |
| S3-221941 | PLMNID verification modification to include SNPN scenario | Huawei,HiSilicon | noted | - | - |
| S3-221942 | clarification on IP\_FWD\_DISABLING-R16 | Huawei,HiSilicon | revised | - | S3-222330 |
| S3-221943 | clarification on IP\_FWD\_DISABLING-R17 | Huawei,HiSilicon | revised | - | S3-222331 |
| S3-221944 | modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R16 | Huawei,HiSilicon | revised | - | S3-222332 |
| S3-221945 | modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R17 | Huawei,HiSilicon | revised | - | S3-222333 |
| S3-221946 | modification on Handling of ICMP-R16 | Huawei,HiSilicon | revised | - | S3-222334 |
| S3-221947 | modification on Handling of ICMP-R17 | Huawei,HiSilicon | revised | - | S3-222335 |
| S3-221948 | modification on IP\_MULTICAST\_HANDLING-R16 | Huawei,HiSilicon | revised | - | S3-222336 |
| S3-221949 | modification on IP\_MULTICAST\_HANDLING-R17 | Huawei,HiSilicon | revised | - | S3-222337 |
| S3-221950 | DP on loss of control of preferred SNPN list in eNPN | Huawei,HiSilicon | noted | - | - |
| S3-221951 | New KI on loss of control of preferred SNPN list in eNPN | Huawei,HiSilicon | noted | - | - |
| S3-221952 | New solution for 3rd party ID | Huawei, HiSilicon | merged | - | S3-222320 |
| S3-221953 | New KI on security aspects of SBA in IMS | Huawei, HiSilicon | approved | - | - |
| S3-221954 | New KI on security aspects of IMS DC | Huawei, HiSilicon | revised | - | S3-222338 |
| S3-221955 | New Key Issue: Robustness of NG-RAN AI/ML against attacks | Philips International B.V. | noted | - | - |
| S3-221956 | Key Issue#1 on Need for continuous Trust evaluation | Lenovo, Nokia, Nokia Shanghai Bell, Rakuten Mobile Inc., Interdigital, US NSA, Motorola Solutions, Johns Hopkins University APL, Intel, Center for Internet Security, China Mobile, ZTE, CableLabs | noted | - | - |
| S3-221957 | Editorial correction | Philips International B.V. | approved | - | - |
| S3-221958 | New Key Issue on Usage of Evaluated Trust Information | Lenovo | withdrawn | - | - |
| S3-221959 | Rel-15 Correcting the OAuth 2.0 roles in CAPIF | Ericsson | not pursued | - | - |
| S3-221960 | Rel-16 Correcting the OAuth 2.0 roles in CAPIF | Ericsson | not pursued | - | - |
| S3-221961 | Rel-17 Correcting the OAuth 2.0 roles in CAPIF | Ericsson | not pursued | - | - |
| S3-221962 | Correction and clarification in user consent requirements | Ericsson | not pursued | - | - |
| S3-221963 | Addressing authorization for EDGE-9 | Ericsson | not pursued | - | - |
| S3-221964 | [DRAFT] Reply LS on user’s consent for EDGEAPP | Ericsson | noted | - | - |
| S3-221965 | Corrections and clarifications on the usage of HTTPS and X.509 certificates | Ericsson | agreed | - | - |
| S3-221966 | Correction on the implementation of CR 0013 (S3-220917) | Ericsson | agreed | - | - |
| S3-221967 | Update to key issue #1 | Ericsson | noted | - | - |
| S3-221968 | A new key issue on authorization by resource owner | Ericsson | noted | - | - |
| S3-221969 | New solution on authentication procedure of UE-to-UE relay | OPPO | noted | - | - |
| S3-221970 | Update Key Issue #1: privacy risks of exposing positioning reference signals | Philips International B.V. | noted | - | - |
| S3-221971 | New solution on end-to-end security establishmet for UE-to-UE relay | OPPO | withdrawn | - | - |
| S3-221972 | Clarification for ProSe UE-to-Network Relay security procedure over Control Plane in TS33.503 | China Telecom Corporation Ltd. | agreed | - | - |
| S3-221973 | Update Key Issue #3: source authenticity verification | Philips International B.V. | noted | - | - |
| S3-221974 | Update Key Issue #2: User consent for NTN | Philips International B.V. | noted | - | - |
| S3-221975 | Correction figure in 5G ProSe Discoervery in TS33.503 | China Telecom Corporation Ltd. | agreed | - | - |
| S3-221976 | LS reply to 3GPP on Alignment of EDGEAPP and ETSI MEC | ETSI ISG MEC | noted | - | - |
| S3-221977 | Confidentiality protection of SMS content over N32 | NTT DOCOMO INC. | agreed | - | - |
| S3-221978 | Update to and split of KI#10 to clarify the scenarios | BSI (DE),Nokia, Nokia Shanghai Bell | revised | - | S3-222436 |
| S3-221979 | new KI on Identity verification for UE-to-UE relay scenarios | OPPO | withdrawn | - | - |
| S3-221980 | Solution for KI#10 (hosted SEPP) | BSI (DE),Nokia, Nokia Shanghai Bell | revised | - | S3-222437 |
| S3-221981 | Correction figure in ProSe UE-to-Network Relay security procedure over Control Plane in TS33.503 | China Telecom Corporation Ltd. | revised | - | S3-222403 |
| S3-221982 | New Key Issue "Authentication for UE access to hosting network" | Ericsson, Intel, Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-221983 | Discussion on the SAN and SBA certificate profiles | Ericsson | noted | - | - |
| S3-221984 | Clarification on the format of callback URI in the NF certificate profile | Ericsson | agreed | - | - |
| S3-221985 | Clarification on the format of callback URI in the NF certificate profile | Ericsson | agreed | - | - |
| S3-221986 | Clarification on the certificate profile for SCP | Ericsson, Nokia, Nokia Shanghai Bell | revised | - | S3-222297 |
| S3-221987 | Clarification on the certificate profile for SCP | Ericsson, Nokia, Nokia Shanghai Bell | revised | - | S3-222298 |
| S3-221988 | Clarification on the certificate profile for SEPP | Ericsson | not pursued | - | - |
| S3-221989 | Clarification on the certificate profile for SEPP | Ericsson | not pursued | - | - |
| S3-221990 | Review request of an IETF draft on X.509 Certificate Extension for 5G Network Function Types | Ericsson | noted | - | - |
| S3-221991 | Clarification of SNI usage for NF clients and servers | Ericsson | revised | - | S3-222299 |
| S3-221992 | Clarification on OAuth 2.0 in interconnect and roaming scenarios | Ericsson | noted | - | - |
| S3-221993 | Clarification on OAuth2.0 in interconnect and roaming scenarios, alternative 1 | Ericsson | revised | - | S3-222300 |
| S3-221994 | Clarification on OAuth2.0 in interconnect and roaming scenarios, alternative 2 | Ericsson | not pursued | - | - |
| S3-221995 | Authorization between SCPs: Alignment with CR 1414 | Ericsson | agreed | - | - |
| S3-221996 | Clarification on access token requests for NF Producers of a specific NF type and token-based authorization for indirect communication with delegated discovery | Ericsson | not pursued | - | - |
| S3-221997 | Clarification on access token requests for NF Producers of a specific NF type and token-based authorization for indirect communication with delegated discovery | Ericsson | not pursued | - | - |
| S3-221998 | SEPP to include and verify the source PLMN-ID | Ericsson, Nokia, Nokia Shanghai Bell, Mavenir | approved | - | - |
| S3-221999 | Discussion regarding issues for NRF validation of NFc for access token | Ericsson | noted | - | - |
| S3-222000 | Certificate solution for NRF validation of NFc for access token requests | Ericsson | revised | - | S3-222302 |
| S3-222001 | Combined certificate and profile solution for NRF validation of NFc for access token requests | Ericsson | revised | - | S3-222303 |
| S3-222002 | Correction figure in ProSe Discovery in TS33.303(R15) | China Telecom Corporation Ltd. | not pursued | - | - |
| S3-222003 | Correction figure in ProSe Discovery in TS33.303(R16) - mirror | China Telecom Corporation Ltd. | not pursued | - | - |
| S3-222004 | Correction figure in ProSe Discovery in TS33.303 | China Telecom Corporation Ltd. | agreed | - | - |
| S3-222005 | clarify Remote UE ID of Remote UE report for CP based security | Nokia, Nokia Shanghai Bell | merged | - | S3-222377 |
| S3-222006 | Add restriction for multi registrations in two PLMNs | Nokia, Nokia Shanghai Bell | not pursued | - | - |
| S3-222007 | control on NSSAA procedures for multi registrations in two PLMNs | Nokia, Nokia Shanghai Bell | not pursued | - | - |
| S3-222008 | Add restriction for multi registrations in two PLMNs | Nokia, Nokia Shanghai Bell | not pursued | - | - |
| S3-222009 | control on NSSAA procedures for multi registrations in two PLMNs | Nokia, Nokia Shanghai Bell | not pursued | - | - |
| S3-222010 | LS for multi-registration impact on UE authentication | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-222011 | New Key issue on the security of the information transfer of the RAN AI/ML framework | Ericsson | noted | - | - |
| S3-222012 | New Key issue on the privacy of information handled by the RAN AI/ML framework | Ericsson | revised | - | S3-222404 |
| S3-222013 | New WID on IETF OSCORE Ua\* protocol profile for AKMA | Ericsson | noted | - | - |
| S3-222014 | IETF OSCORE as AKMA Ua\* protocol | Ericsson, Deutsche Telekom | not pursued | - | - |
| S3-222015 | Extending the Ua security protocol namespace to include the AKMA OSCORE Ua\* protocol | Ericsson, Deutsche Telekom | not pursued | - | - |
| S3-222016 | Discussion on the authentication result removal operation | Ericsson | noted | - | - |
| S3-222017 | LS on AUSF and UDM authentication result service operation | Ericsson | noted | - | - |
| S3-222018 | Discussion on the authorization of Application Functions for NSACF services via the NEF | Ericsson | noted | - | - |
| S3-222019 | Clarification on AF authorization for the NSACF notification procedure | Ericsson | not pursued | - | - |
| S3-222020 | Alignment of NSACF notification procedure with existing procedures | Ericsson | not pursued | - | - |
| S3-222021 | Living document for SERP: draftCR to TS 33.501 on the Protection of the RRC Resume Request message | Ericsson | noted | - | - |
| S3-222022 | New solution: How the Originating IMS network signs the 3rd party IDs and terminating IMS network verifies the 3rd party IDs | Ericsson | revised | - | S3-222401 |
| S3-222023 | CR to TS33.503 Clean up clause 6.1.3.2.2 | CATT | agreed | - | - |
| S3-222024 | Discussion paper on improvements of TS33.117 | BSI (DE) | noted | - | - |
| S3-222025 | Clarification on Authentication for UE behind 5G-RG and FN-RG | CableLabs | revised | - | S3-222324 |
| S3-222026 | CR to TS33.503 Correct error in clause 6.3.3.2.2 | CATT | merged | - | S3-222356 |
| S3-222027 | CR to TS33.503 Define reference point for PAnF | CATT | agreed | - | - |
| S3-222028 | Adding optional use of CCA for delegated discovery | China Telecommunications, Nokia, Nokia Shanghai Bell | not pursued | - | - |
| S3-222029 | CR to TS33.503 Remove secondary authentication related content | CATT | revised | - | S3-222400 |
| S3-222030 | CR to TS33.503 Update Abbreviations | CATT | agreed | - | - |
| S3-222031 | Adding optional use of CCA for delegated discovery(mirror) | China Telecommunications, Nokia, Nokia Shanghai Bell | not pursued | - | - |
| S3-222032 | CR to TS33.503 Update Figure 6.3.3.3.2-1 | CATT | merged | - | S3-222403 |
| S3-222033 | Revise the pre-requisite of access token request | China Telecommunications | not pursued | - | - |
| S3-222034 | Revise the pre-requisite of access token request(mirror) | China Telecommunications | not pursued | - | - |
| S3-222035 | Revise the subject that performs verificaiton of access token | China Telecommunications | agreed | - | - |
| S3-222036 | Revise the subject that performs verificaiton of access token(mirror) | China Telecommunications | agreed | - | - |
| S3-222037 | EDGE-9 and Interface Between EASs Security | InterDigital Communications | not pursued | - | - |
| S3-222038 | draft-Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network | Intel | noted | - | - |
| S3-222039 | Study on enhancements to facilitate N32 adoption by Standalone Non-Public Networks | Intel | noted | - | - |
| S3-222040 | draft-Reply LS on Facilitating roaming adoption across 3GPP NPN deployments | Intel | postponed | - | - |
| S3-222041 | Discussion about the enhancement to N32 Reference Point | Intel | noted | - | - |
| S3-222042 | Updates to non-3gpp access key issue | Intel | noted | - | - |
| S3-222043 | Detection of MiTM attacks. | Intel | noted | - | - |
| S3-222044 | Anomalous Behaviour Detection | Intel | noted | - | - |
| S3-222045 | Privacy-Preserving Machine Learning | Intel | withdrawn | - | - |
| S3-222046 | Privacy-Preserving Machine Learning | Intel | merged | - | S3-222404 |
| S3-222047 | Update IPSec reference from obsolete RFC 7296 to RFC 8247 | Intel | revised | - | S3-222346 |
| S3-222048 | Update IPSec reference from obsolete RFC 7296 to RFC 8247 | Intel | revised | - | S3-222347 |
| S3-222049 | Discussion Paper on Revised WID(s) on AKMA Kaf Refresh | OPPO, ZTE, Nokia, Nokia Shanghai Bell, Samsung | noted | - | - |
| S3-222050 | Revised SID on enhancement of AKMA | OPPO, ZTE, Nokia, Nokia Shanghai Bell, Samsung, Apple, VIVO | noted | - | - |
| S3-222051 | Revised SID on Study of Security aspect of home network triggered primary authentication | OPPO, ZTE, Nokia, Nokia Shanghai Bell, Samsung | noted | - | - |
| S3-222052 | Update of KI#2 | OPPO | revised | - | S3-222306 |
| S3-222053 | New KI on U2U relay protection of remote UE traffic | OPPO | noted | - | - |
| S3-222054 | New Solution on security negotiation of U2U relay protection of remote UE traffic | OPPO | noted | - | - |
| S3-222055 | clarification on the internal authentication and an external authentication | Huawei, HiSilicon | withdrawn | - | - |
| S3-222056 | Discussion on ZTA study approach | Huawei, HiSilicon | noted | - | - |
| S3-222057 | Addition of tenant evaluation clause | Huawei, HiSilicon | approved | - | - |
| S3-222058 | Clarifications to TS 33.535 | Huawei, HiSilicon | agreed | - | - |
| S3-222059 | Discussion on Kiab handling in IAB migiration | Huawei, HiSilicon | noted | - | - |
| S3-222060 | CR on Kiab handling in IAB migiration | Huawei, HiSilicon | not pursued | - | - |
| S3-222061 | LS on Kiab handling in IAB migiration | Huawei, HiSilicon | noted | - | - |
| S3-222062 | Alignment with RAN3 LS for EN-DC for UPIP | Huawei, HiSilicon | revised | - | S3-222431 |
| S3-222063 | Reply LS on UE’s LTE UPIP capability for EN-DC | Huawei, HiSilicon | revised | - | S3-222432 |
| S3-222064 | Add threat and requirement to PINE authentication | Huawei, HiSilicon | revised | - | S3-222374 |
| S3-222065 | Solution on PINE authentication | Huawei, HiSilicon | noted | - | - |
| S3-222066 | Add threat and requirement to key issue on TMGI protection | Huawei, HiSilicon | noted | - | - |
| S3-222067 | Add threat and requirement to key issue on MOCN | Huawei, HiSilicon | noted | - | - |
| S3-222068 | New key issue on security protection for Ues in RRC inactive state | Huawei, HiSilicon | noted | - | - |
| S3-222069 | Solution on security protection in MOCN network sharing scenario | Huawei, HiSilicon | noted | - | - |
| S3-222070 | MBS\_Abbreviations update | Huawei, HiSilicon | approved | - | - |
| S3-222071 | Addressing the editor's note in key issue#1 | Huawei, HiSilicon | approved | - | - |
| S3-222072 | New SID on eLCS security | Huawei, HiSilicon | noted | - | - |
| S3-222073 | Discussion paper on eLCS security | Huawei, HiSilicon | noted | - | - |
| S3-222074 | Resolution of the issue of authentication mechanism selection | Huawei, HiSilicon | revised | - | S3-222375 |
| S3-222075 | Delete of secondary authentication | Huawei, HiSilicon | merged | - | S3-222400 |
| S3-222076 | Clarification on 5G ProSe Remote UE specific authentication mechanism | Huawei, HiSilicon | revised | - | S3-222376 |
| S3-222077 | Remote UE Report when security procedure over Control Plane is performed | Huawei, HiSilicon | revised | - | S3-222377 |
| S3-222078 | clarification on SUPI in Nudm\_UEAuthentication\_GetProseAv service | Huawei, HiSilicon | not pursued | - | - |
| S3-222079 | Add clause of broadcast communication | Huawei, HiSilicon | agreed | - | - |
| S3-222080 | Add clause of groupcast communication | Huawei, HiSilicon | agreed | - | - |
| S3-222081 | New Key Issue on Security and privacy of path switching between two indirect network communication paths for UE-to-Network Relaying | Huawei, HiSilicon | revised | - | S3-222378 |
| S3-222082 | New Key Issue on Security and privacy of path switch between L2 U2NW and direct connections | Huawei, HiSilicon | revised | - | S3-222379 |
| S3-222083 | New Key Issue on Security and privacy of multi-path transmission for UE-to-Network Relay | Huawei, HiSilicon | revised | - | S3-222380 |
| S3-222084 | New Key Issue on the Security of Ranging/SL Positioning PC5 direct | Huawei, HiSilicon | merged | - | S3-222349 |
| S3-222085 | R18 WID on security for Isolated Operation for Public Safety in 5G system | Huawei, HiSilicon | noted | - | - |
| S3-222086 | Discussion on the security of Isolated Operation for Public Safety in 5GS | Huawei, HiSilicon | noted | - | - |
| S3-222087 | New solution about Security establishment and link security protection of unicast PC5 communication | Huawei, HiSilicon | approved | - | - |
| S3-222088 | Address EN for UC3S | Huawei, HiSilicon,Nokia, Nokia Shanghai Bell | revised | - | S3-222433 |
| S3-222089 | Reply LS on User Consent for EDGEAPP | Huawei, HiSilicon | noted | - | - |
| S3-222090 | Protection of RRC Resume Request mesasge | Huawei, HiSilicon | noted | - | - |
| S3-222091 | New key issue on User Consent for AI/ML for RAN | Huawei, HiSilicon | noted | - | - |
| S3-222092 | Key Issue Update on User Consent for NTN | Huawei, HiSilicon | noted | - | - |
| S3-222093 | New solution on User Consent for Roaming of eNA | Huawei, HiSilicon | noted | - | - |
| S3-222094 | New solution on User Consent Architecture for RAN as enforcement point | Huawei, HiSilicon | noted | - | - |
| S3-222095 | New solution on User authorization for network exposure | Huawei, HiSilicon | noted | - | - |
| S3-222096 | Correction to Nausf\_UEAuthentication\_Authenticate service | Huawei, HiSilicon | agreed | - | - |
| S3-222097 | Address UPIP forward compability issue | Huawei, HiSilicon | not pursued | - | - |
| S3-222098 | supporting UP IP at eNB | Huawei, HiSilicon | revised | - | S3-222381 |
| S3-222099 | UP IP policy selection-R18 | Huawei, HiSilicon | revised | - | S3-222382 |
| S3-222100 | locally UP IP supporting at eNB | Huawei, HiSilicon | revised | - | S3-222383 |
| S3-222101 | Revised WID for 5G SCAS work for Rel-17 features on existing functions | Huawei, HiSilicon | agreed | - | - |
| S3-222102 | draft CR to 33.926 on locally UP IP supporting at eNB | Huawei, HiSilicon | revised | - | S3-222384 |
| S3-222103 | draft CR to 33.926 on UP IP policy selection at eNB | Huawei, HiSilicon | revised | - | S3-222385 |
| S3-222104 | Living document to TR 33.926 for SCAS 5G Ph2 | Huawei, HiSilicon | revised | - | S3-222386 |
| S3-222105 | update testcase in clause 4.2.3.2.4 | Huawei, HiSilicon | approved | - | - |
| S3-222106 | Update requirement and add new test case to clause 4.2.3.4.3.1 | Huawei, HiSilicon | noted | - | - |
| S3-222107 | Update requirement and add new test case to clause 4.2.3.4.3.2 | Huawei, HiSilicon | noted | - | - |
| S3-222108 | AAnF authorized the AF | Huawei, HiSilicon | noted | - | - |
| S3-222109 | NEF authorized the AF | Huawei, HiSilicon | noted | - | - |
| S3-222110 | AAnF replies error response | Huawei, HiSilicon | noted | - | - |
| S3-222111 | draft CR to 33.926 on AAnF authorizes the AF | Huawei, HiSilicon | noted | - | - |
| S3-222112 | draft CR to 33.926 on NEF authorizes the AF | Huawei, HiSilicon | noted | - | - |
| S3-222113 | draft CR to 33.926 on error response | Huawei, HiSilicon | noted | - | - |
| S3-222114 | Update clause 4.2.3 | Huawei, HiSilicon | approved | - | - |
| S3-222115 | Update clause 4.2.4 | Huawei, HiSilicon | noted | - | - |
| S3-222116 | Update clause 4.2.5, and 4.2.6 | Huawei, HiSilicon | revised | - | S3-222267 |
| S3-222117 | Add new content for clause 4.3 | Huawei, HiSilicon | noted | - | - |
| S3-222118 | Add new content for clause 4.4 | Huawei, HiSilicon | approved | - | - |
| S3-222119 | Living document for MnF SCAS | Huawei, HiSilicon | revised | - | S3-222265 |
| S3-222120 | Security assurance specification drafting | Huawei, HiSilicon | noted | - | - |
| S3-222121 | Clarification on ID handling at AMF and 5G PKMF | Huawei, HiSilicon | withdrawn | - | - |
| S3-222122 | add a new requirement and test case | Huawei, HiSilicon | noted | - | - |
| S3-222123 | clarification on the internal authentication and an external authentication | Huawei, HiSilicon | revised | - | S3-222388 |
| S3-222124 | Clarification on ID handling at AMF and 5G PKMF | Huawei, HiSilicon | not pursued | - | - |
| S3-222125 | Detecting sources of potential data poisoning attacks towards RAN AI-ML based network optimizations | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-222126 | Discussion of Distributed Intelligent Enabled 6G Networks | Xidian University | noted | - | - |
| S3-222127 | New Key Issue on User Consent for Roaming of Edge Application | China Mobile, Huawei, HiSilicon, OPPO | noted | - | - |
| S3-222128 | New Solution on User Consent for Edge Application | China Mobile, Huawei, HiSilicon, OPPO | noted | - | - |
| S3-222129 | Key issue for privacy protection for unicast messages over PC5 | China Mobile | revised | - | S3-222427 |
| S3-222130 | Address EN in Overview and editorial modification | China Mobile | revised | - | S3-222428 |
| S3-222131 | LS reply on User plane security | China Mobile | revised | - | S3-222426 |
| S3-222132 | UP IP security | China Mobile | not pursued | - | - |
| S3-222133 | Correction of Transport security protection for MSGin5G interfaces | China Mobile | revised | - | S3-222398 |
| S3-222134 | Introduction of AAnF-specific security requirements and related test cases | China Mobile | approved | - | - |
| S3-222135 | General description of clause 4.2.2 | China Mobile | approved | - | - |
| S3-222136 | Adding AAnF critical assets and threats to TS 33.926 | China Mobile | noted | - | - |
| S3-222137 | Adding a test case of AKMA key strorage and update | China Mobile | noted | - | - |
| S3-222138 | Adding technical baseline text | China Mobile | approved | - | - |
| S3-222139 | Adding text to clause 4.2.4 | China Mobile | approved | - | - |
| S3-222140 | Adding text to clause 4.2.5 | China Mobile | approved | - | - |
| S3-222141 | Adding text to clause 4.2.6 | China Mobile | approved | - | - |
| S3-222142 | Living document for AAnF SCAS – draftCR to TR 33.926 | China Mobile | revised | - | S3-222270 |
| S3-222143 | AAnF sending GPSI to internal AKMA AF | China Mobile | not pursued | - | - |
| S3-222144 | Adding overview of SECAM for 3GPP virtualized networ products into clause 4 in TR 33.936 | China Mobile | revised | - | S3-222407 |
| S3-222145 | Adding Scope of SECAM for 3GPP virtualized network products of type 1 into clause 4 in TR 33.936 | China Mobile | revised | - | S3-222408 |
| S3-222146 | Adding Scope of SECAM for 3GPP virtualized network products of type 2 into clause 4 in TR 33.936 | China Mobile | noted | - | - |
| S3-222147 | Adding Scope of SECAM for 3GPP virtualized network products of type 3 into clause 4 in TR 33.936 | China Mobile | noted | - | - |
| S3-222148 | Adding Scope of SECAM evaluation for type 1 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | revised | - | S3-222409 |
| S3-222149 | Adding Scope of SECAM evaluation for type 2 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | noted | - | - |
| S3-222150 | Adding Scope of SECAM evaluation for type 3 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | noted | - | - |
| S3-222151 | Adding Scope of SECAM accreditation for type 1 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | revised | - | S3-222410 |
| S3-222152 | Adding Scope of SECAM accreditation for type 2 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | noted | - | - |
| S3-222153 | Adding Scope of SECAM accreditation for type 3 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | noted | - | - |
| S3-222154 | Adding contents of chapters 4.5 about type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | revised | - | S3-222411 |
| S3-222155 | Adding contents of chapters 4.5 about type 2 of 3GPP virtualized network product in TR 33.936 | China Mobile | noted | - | - |
| S3-222156 | Adding contents of chapters 4.5 about type 3 of 3GPP virtualized network product in TR 33.936 | China Mobile | noted | - | - |
| S3-222157 | Adding contents of chapters 4.6 for type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | approved | - | - |
| S3-222158 | Adding contents of chapters 4.6 for type 2 of 3GPP virtualized network product in TR 33.936 | China Mobile | noted | - | - |
| S3-222159 | Adding contents of chapters 4.6 for type 3 of 3GPP virtualized network product in TR 33.936 | China Mobile | noted | - | - |
| S3-222160 | Adding contents of chapters 4.7 for type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | revised | - | S3-222412 |
| S3-222161 | Adding contents of chapters 4.7 for type 2 of 3GPP virtualized network product in TR 33.936 | China Mobile | noted | - | - |
| S3-222162 | Adding contents of chapters 4.7 for type 3 of 3GPP virtualized network product in TR 33.936 | China Mobile | noted | - | - |
| S3-222163 | Adding contents of chapters 4.8 for type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | revised | - | S3-222413 |
| S3-222164 | Adding contents of chapters 4.8 for type 2 of 3GPP virtualized network product in TR 33.936 | China Mobile | noted | - | - |
| S3-222165 | Adding contents of chapters 4.8 for type 3 of 3GPP virtualized network product in TR 33.936 | China Mobile | noted | - | - |
| S3-222166 | Adding contents of chapters 4.9 for type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | approved | - | - |
| S3-222167 | Adding contents of chapters 4.9 for type 2 of 3GPP virtualized network product in TR 33.936 | China Mobile | noted | - | - |
| S3-222168 | Adding contents of chapters 4.9 for type 3 of 3GPP virtualized network product in TR 33.936 | China Mobile | noted | - | - |
| S3-222169 | Adding contents of chapters 4.10 for type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | approved | - | - |
| S3-222170 | Adding contents of chapters 4.10 for type 2 of 3GPP virtualized network product in TR 33.936 | China Mobile | noted | - | - |
| S3-222171 | Adding contents of chapters 4.10 for type 3 of 3GPP virtualized network product in TR 33.936 | China Mobile | noted | - | - |
| S3-222172 | Adding content to clause 5.1 in TR 33.936 | China Mobile | revised | - | S3-222414 |
| S3-222173 | Adding description about general content of SCAS document and ToE to clause 5.2 in TR 33.936 | China Mobile | revised | - | S3-222415 |
| S3-222174 | Adding description about SPD to clause 5.2 in TR33.936 | China Mobile | revised | - | S3-222416 |
| S3-222175 | Adding description about methodology of security requirements to clause 5.2 in TR 33.936 | China Mobile | revised | - | S3-222417 |
| S3-222176 | Adding description about improvement of SCAS and new potential security requirements to clause 5.3 in TR 33.936 | China Mobile | approved | - | - |
| S3-222177 | Adding description about basic vulnerability testing requirements for GVNP to clause 5.4 in TR 33.936 | China Mobile | approved | - | - |
| S3-222178 | Proposal to add overview in clause 4 Generic Virtulizated Network Product (GVNP) class for type 1 in TR 33.927 | China Mobile | revised | - | S3-222418 |
| S3-222179 | Proposal to add overview in clause 4 Generic Virtulizated Network Product (GVNP) class for type 2 in TR 33.927 | China Mobile | noted | - | - |
| S3-222180 | Proposal to add overview in clause 4 Generic Virtulizated Network Product (GVNP) class for type 3 in TR 33.927 | China Mobile | noted | - | - |
| S3-222181 | Proposal to add clause 4.2 Minimum set of functions defining the GVNP class in TR 33.927 | China Mobile | approved | - | - |
| S3-222182 | Proposal to add introduction in clause 4.3 Generic virtualized network product model for type 1 in TR33.927 | China Mobile | revised | - | S3-222419 |
| S3-222183 | Proposal to add introduction in clause 4.3 Generic virtualized network product model for type 2 in TR33.927 | China Mobile | noted | - | - |
| S3-222184 | Proposal to add introduction in clause 4.3 Generic virtualized network product model for type 3 in TR33.927 | China Mobile | noted | - | - |
| S3-222185 | Proposal to add GVNP model of type 1 in TR 33.927 | China Mobile | revised | - | S3-222420 |
| S3-222186 | Proposal to add GVNP model of type 2 in TR 33.927 | China Mobile | noted | - | - |
| S3-222187 | Proposal to add GVNP model of type 3 in TR 33.927 | China Mobile | noted | - | - |
| S3-222188 | New key issue on Identity verification for UE-to-UE relay scenarios | OPPO | noted | - | - |
| S3-222189 | New solution on end-to-end security establishmet for UE-to-UE relay | OPPO | revised | - | S3-222341 |
| S3-222190 | SERP-CR to 33501 | Apple | not pursued | - | - |
| S3-222191 | SERP-Draft LS on SERP | Apple | noted | - | - |
| S3-222192 | 33401CR - Clarification on NAS COUNT usage in KeNB derivation | Apple | not pursued | - | - |
| S3-222193 | 33501CR - Clarification on NAS COUNT usage in KeNB derivation | Apple | not pursued | - | - |
| S3-222194 | 33501\_s1n1\_idlemode\_mapped\_ctxt | Apple | not pursued | - | - |
| S3-222195 | 33501CR on fast reauthentication | Apple | not pursued | - | - |
| S3-222196 | CR to TS33.503 Modify clause and figure titles for U2N relay clauses | CATT | agreed | - | - |
| S3-222197 | New SID on Security Aspects of Satellite Access | Xiaomi, China Mobile, China Telecom, Qualcomm, InterDitigal, ZTE, Nokia, Nokia Shanghai Bell, Thales | revised | - | S3-222439 |
| S3-222198 | Updates to U2N Relay Discovery Security Procedure | Xiaomi Technology | revised | - | S3-222352 |
| S3-222199 | DDNMF Selection during U2N Relay Discovery Security Procedure | Xiaomi Technology | not pursued | - | - |
| S3-222200 | Match Report in U2N Relay Discovery Security Procedure | Xiaomi Technology | not pursued | - | - |
| S3-222201 | Updates to Key Definitions | Xiaomi Technology | not pursued | - | - |
| S3-222202 | Security Method Check during U2N Relay Discovery Procedure | Xiaomi Technology | not pursued | - | - |
| S3-222203 | Security Method Check during CP-based U2N Relay Communication Establishment | Xiaomi Technology | not pursued | - | - |
| S3-222204 | Security Method Check during UP-based U2N Relay Communication Establishment | Xiaomi Technology | not pursued | - | - |
| S3-222205 | Corrections in TS 33.503 | Xiaomi Technology | revised | - | S3-222353 |
| S3-222206 | 33.893: Terminology Alignment | Xiaomi Technology | approved | - | - |
| S3-222207 | 33.893: New Key Issue on Security for PC5 Communication | Xiaomi Technology | revised | - | S3-222349 |
| S3-222208 | 33.893: New Key Issue on Security for SR5 Communication | Xiaomi Technology | merged | - | S3-222349 |
| S3-222209 | 33.893: Add Third Party UE in KI#2 | Xiaomi Technology | revised | - | S3-222348 |
| S3-222210 | 33.893: Solution on Assistant UE Authorization during Discovery for KI#2 | Xiaomi Technology | noted | - | - |
| S3-222211 | 33.893: Solution on Application Server Authorization for KI#2 | Xiaomi Technology | noted | - | - |
| S3-222212 | 33.893: Solution on 5GC NF Authorization for KI#2 | Xiaomi Technology | noted | - | - |
| S3-222213 | 33.896: Requirements for Key Issue #2 | Xiaomi Technology | noted | - | - |
| S3-222214 | 33.896: Solution on Obtaining User Consent in Non-mobility Case for KI#2 | Xiaomi Technology | revised | - | S3-222350 |
| S3-222215 | 33.896: Solution on Obtaining User Consent Revocation for KI#2 | Xiaomi Technology | revised | - | S3-222351 |
| S3-222216 | New solution on Network-assisted Security Establishment Procedure for 5G ProSe Layer-3 UE-to-UE Relay | Beijing Xiaomi Mobile Software | noted | - | - |
| S3-222217 | New solution on Non-network-assisted Security Establishment Procedure for 5G ProSe Layer-3 UE-to-UE Relay | Beijing Xiaomi Mobile Software | revised | - | S3-222371 |
| S3-222218 | New solution on Restricted 5G ProSe UE-to-UE Relay Discovery Model A | Beijing Xiaomi Mobile Software | revised | - | S3-222372 |
| S3-222219 | New solution on Restricted 5G ProSe UE-to-UE Relay Discovery Model B | Beijing Xiaomi Mobile Software | revised | - | S3-222373 |
| S3-222220 | New solution on AAA Server based Authorization for Third Party Specific User Identities | Beijing Xiaomi Mobile Software | merged | - | S3-222320 |
| S3-222221 | New solution on IMS HSS based Authorization for Third Party Specific User Identities | Beijing Xiaomi Mobile Software | merged | - | S3-222401 |
| S3-222222 | New solution on Verification of Third Party Specific User Identities based on STIR/SHAKEN framework | Beijing Xiaomi Mobile Software | merged | - | S3-222401 |
| S3-222223 | New solution on User Consent for UE Data Exposure to HPLMN in the Roaming case | Beijing Xiaomi Mobile Software | noted | - | - |
| S3-222224 | New solution on User Consent for UE Data Exposure to VPLMN in the Roaming case | Beijing Xiaomi Mobile Software | noted | - | - |
| S3-222225 | New solution on Modification or Revocation of User Consent for eNA in the Roaming case | Beijing Xiaomi Mobile Software | noted | - | - |
| S3-222226 | New solution on GMLC based authorization for Ranging/SL Positioning services | Beijing Xiaomi Mobile Software | noted | - | - |
| S3-222227 | New solution on NEF based authorization for Ranging/SL Positioning services | Beijing Xiaomi Mobile Software | noted | - | - |
| S3-222228 | 33.501: R15 Update EAP based secondary authentication by an external DN-AAA server | Xiaomi Communication | not pursued | - | - |
| S3-222229 | 33.501: R16 Update EAP based secondary authentication by an external DN-AAA server (mirror) | Xiaomi Communication | not pursued | - | - |
| S3-222230 | 33.501: R17 Update EAP based secondary authentication by an external DN-AAA server (mirror) | Xiaomi Communication | not pursued | - | - |
| S3-222231 | New KI: Home control enhancement for eNPN | Xiaomi Communication | noted | - | - |
| S3-222232 | KI1,New Sol Authentication mechanism for untrusted non-3GPP Access in NPN scenarios | Xiaomi Communication | noted | - | - |
| S3-222233 | KI1,New Sol Authentication mechanism for trusted non-3GPP Access in NPN scenarios. | Xiaomi Communication | noted | - | - |
| S3-222234 | KI1,New Sol Authentication for devices that do not support 5GC NAS over WLAN access in NPN scenarios | Xiaomi Communication | noted | - | - |
| S3-222235 | Resolving the alignment related EN for NSACF Subscription and unsubscription procedure | Xiaomi Communication | not pursued | - | - |
| S3-222236 | Update Subscription and unsubscription procedure of NSACF notification service | Xiaomi Communication | not pursued | - | - |
| S3-222237 | Update KI1 providing VPLMN slice information to roaming UE | Xiaomi Communication | noted | - | - |
| S3-222238 | KI1, New Sol Secure mechanism for UE initiated capability indication procedure | Xiaomi Communication | noted | - | - |
| S3-222239 | KI1, New Sol Secure mechanism for network triggered UE capability indication procedure | Xiaomi Communication | noted | - | - |
| S3-222240 | KI1, New Sol AKMA based UE authentication for API invoker on-boarding procedure in SNA scenarios | Xiaomi Communication | noted | - | - |
| S3-222241 | KI1,New Sol GBA based UE authentication in SNA scenarios | Xiaomi Communication | noted | - | - |
| S3-222242 | KI1, New Sol User authorization based API invocation procedure | Xiaomi Communication | noted | - | - |
| S3-222243 | KI1,New Sol UE credential based API invocation procedure | Xiaomi Communication | noted | - | - |
| S3-222244 | KI1,New Sol User authorization revocation for API invocation procedure | Xiaomi Communication | noted | - | - |
| S3-222245 | KI1,New Sol User resource authorization profile based API invocation procedure | Xiaomi Communication | noted | - | - |
| S3-222246 | pCR to TR33.875 new solution on PRINS for roaming hubs | NTT DOCOMO INC., Nokia, NokiaShanghai Bell, BSI (DE), Deutsche Telekom | revised | - | S3-222438 |
| S3-222247 | Selective End of End Protection of HTTP Request and Response in Indirect | CableLabs | revised | - | S3-222339 |
| S3-222248 | pCR to TR 33.884 on new KI on authorization revocation | NTT DOCOMO | noted | - | - |
| S3-222249 | pCR to TR 33.884 on new KI on AF originated API invocation | NTT DOCOMO | noted | - | - |
| S3-222250 | pCR to TR 33.884 on new KI on placement of authorization function | NTT DOCOMO | noted | - | - |
| S3-222251 | pCR to TR 33.884 new solution on UE authentication | NTT DOCOMO | noted | - | - |
| S3-222252 | pCR to TR 33.884 new solution on non resource owner UE authorization | NTT DOCOMO | noted | - | - |
| S3-222253 | pCR to TR 33.884 new solution on authenticating the triggering UE | NTT DOCOMO | noted | - | - |
| S3-222254 | WID on SBA security | Nokia, Nokia Shanghai Bell | noted | - | - |
| S3-222255 | Clarification to multiple registrations in different PLMNs | Ericsson | not pursued | S3-221907 | - |
| S3-222256 | draft LS reply on CAPIF authorization roles related to FS\_SNAAPP | NTT DOCOMO INC. | noted | - | - |
| S3-222257 | Discussion paper on multiple registrations in different PLMN’s and different access types | Ericsson | not pursued | S3-221908 | - |
| S3-222258 | LS on Source user info in Direct Communication Request in UE-to-Network Relay | Qualcomm | noted | - | - |
| S3-222259 | Reply LS on PLMN ID used in Roaming Scenarios | C4-224444 | postponed | - | - |
| S3-222260 | New group of test cases deriving from TS 33.117 for SCAS AAnF | Keysight Technologies UK Ltd | approved | S3-221752 | - |
| S3-222261 | New test case to cover the AAnF provisioning | Keysight Technologies UK Ltd | noted | - | - |
| S3-222262 | Support for Prose Secondary Authentication | InterDigital, Europe, Ltd., LG Electronics, Samsung | approved | - | - |
| S3-222263 | Alignment of NAS transport protocol for 5G-RG over Wireline | Ericsson | agreed | S3-221918 | - |
| S3-222264 | Alignment of NAS transport protocol for 5G-RG over Wireline | Ericsson | agreed | S3-221919 | - |
| S3-222265 | Living document for MnF SCAS | Huawei, HiSilicon | approved | S3-222119 | - |
| S3-222266 | TS33.526 MnF threats | Huawei, Hisilicon | withdrawn | - | - |
| S3-222267 | Update clause 4.2.5, and 4.2.6 | Huawei, HiSilicon | approved | S3-222116 | - |
| S3-222268 | Solution to secure direct C2 and DAA connection | Lenovo | approved | S3-221900 | - |
| S3-222269 | new draft TS 33.526 MnF SCAS | Huawei Technologies Sweden AB | approved | - | - |
| S3-222270 | Living document for AAnF SCAS – draftCR to TR 33.926 | China Mobile | approved | S3-222142 | - |
| S3-222271 | [33.180] R14 Incorrect Reference | Motorola Solutions Danmark A/S | agreed | S3-221741 | - |
| S3-222272 | [33.180] R15 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | agreed | S3-221742 | - |
| S3-222273 | [33.180] R16 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | agreed | S3-221743 | - |
| S3-222274 | [33.180] R17 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | agreed | S3-221744 | - |
| S3-222275 | pSEPP authorization fo PLMN ID in access token for TLS | Nokia, Nokia Shanghai Bell | agreed | S3-221842 | - |
| S3-222276 | draft TS 33.537 | China Mobile | approved | - | - |
| S3-222277 | Updated work plan for SID eSBA security | Nokia, Nokia Shanghai Bell | endorsed | S3-221899 | - |
| S3-222278 | Editiorial updates to 33875-120 | Nokia, Nokia Shanghai Bell | approved | S3-221843 | - |
| S3-222279 | Scope update | Nokia, Nokia Shanghai Bell | approved | S3-221844 | - |
| S3-222280 | Scope general remark | Nokia, Nokia Shanghai Bell | approved | S3-221846 | - |
| S3-222281 | Trust clause editorial update | Nokia, Nokia Shanghai Bell | approved | S3-221847 | - |
| S3-222282 | KI1 EN resolution in KI1 - threat clarification | Nokia, Nokia Shanghai Bell | approved | S3-221848 | - |
| S3-222283 | KI2 update with solution and conclusion on trust domain | Nokia, Nokia Shanghai Bell | approved | S3-221852 | - |
| S3-222284 | KI4 EN resolution of solution 3 | Nokia, Nokia Shanghai Bell | approved | S3-221855 | - |
| S3-222285 | KI4 conclusion on authorization of SCP to act on behalf of another SCP | Nokia, Nokia Shanghai Bell | approved | S3-221856 | - |
| S3-222286 | KI5 Sol4 ENs resolution | Nokia, Nokia Shanghai Bell | approved | S3-221857 | - |
| S3-222287 | KI5 conclusion on e2e integrity prot of HTTP msg | Nokia, Nokia Shanghai Bell | approved | S3-221860 | - |
| S3-222288 | KI6 EN resolution in KI threat | Nokia, Nokia Shanghai Bell | approved | S3-221861 | - |
| S3-222289 | KI6 related Sol7 update and conclusion on access token usage by NFs of an NF Set | Nokia, Nokia Shanghai Bell | approved | S3-221862 | - |
| S3-222290 | KI7 evaluation of solution 9 on authorization method negotiation | Nokia, Nokia Shanghai Bell | approved | S3-221863 | - |
| S3-222291 | KI7 Adding a solution on how to handle static auth in roaming with existing methods | Nokia, Nokia Shanghai Bell | approved | S3-221864 | - |
| S3-222292 | KI8 update of solution 10 and evaluation | Nokia, Nokia Shanghai Bell | approved | S3-221868 | - |
| S3-222293 | KI8 conclusion on deploying multiple NRFs | Nokia, Nokia Shanghai Bell | approved | S3-221869 | - |
| S3-222294 | Conclusion on KI9 authorization for inter-slicing access | Nokia, Nokia Shanghai Bell | approved | S3-221928 | - |
| S3-222295 | TR 33.875-130 eSBA Security | Nokia | approved | - | - |
| S3-222296 | New Solution UE-to-UE security | Philips International B.V. | approved | S3-221924 | - |
| S3-222297 | Clarification on the certificate profile for SCP | Ericsson, Nokia, Nokia Shanghai Bell | agreed | S3-221986 | - |
| S3-222298 | Clarification on the certificate profile for SCP | Ericsson, Nokia, Nokia Shanghai Bell | agreed | S3-221987 | - |
| S3-222299 | Clarification of SNI usage for NF clients and servers | Ericsson, Nokia, Nokia Shanghai Bell | agreed | S3-221991 | - |
| S3-222300 | Clarification on OAuth2.0 in interconnect and roaming scenarios | Ericsson | agreed | S3-221993 | - |
| S3-222301 | Clarification on OAuth2.0 in interconnect and roaming scenarios | Ericsson | agreed | - | - |
| S3-222302 | Certificate solution for NRF validation of NFc for access token requests | Ericsson | approved | S3-222000 | - |
| S3-222303 | Combined certificate and profile solution for NRF validation of NFc for access token requests | Ericsson | approved | S3-222001 | - |
| S3-222304 | LS reply to GSMA on Hosted SEPP | Nokia, Nokia Shanghai Bell | approved | S3-221871 | - |
| S3-222305 | Clean up to TR33874 | Huawei, Hisilicon | agreed | S3-221796 | - |
| S3-222306 | Update of KI#2 | OPPO | approved | S3-222052 | - |
| S3-222307 | Proposed text for gNB-CU-UP part of draft CR to TR 33.926 | Qualcomm Incorporated | approved | S3-221817 | - |
| S3-222308 | Proposed text for gNB-DU part of draft CR to TR 33.926 | Qualcomm Incorporated | approved | S3-221818 | - |
| S3-222309 | Proposed text for gNB-CU test cases from TS 33.501 for TS 33.742 | Qualcomm Incorporated | approved | S3-221820 | - |
| S3-222310 | Proposed text for gNB-CU-CP test cases from TS 33.501 for TS 33.742 | Qualcomm Incorporated | approved | S3-221821 | - |
| S3-222311 | Resolve EN for solution#11 | Samsung, Nokia, Nokia Shanghai Bell | approved | S3-221897 | - |
| S3-222312 | Proposed text for gNB-CU-UP test cases from TS 33.501 for TS 33.742 | Qualcomm Incorporated | approved | S3-221822 | - |
| S3-222313 | Proposed text for gNB-DU test cases from TS 33.501 for TS 33.742 | Qualcomm Incorporated | approved | S3-221823 | - |
| S3-222314 | Conclusion for KI#9 | Samsung | approved | S3-221898 | - |
| S3-222315 | Proposed correction to Annex D on gNB network product class | Qualcomm Incorporated | agreed | S3-221825 | - |
| S3-222316 | Proposed correction to Annex D on gNB network product class | Qualcomm Incorporated | agreed | - | - |
| S3-222317 | Corrections for gNB test cases | Qualcomm Incorporated | agreed | S3-221826 | - |
| S3-222318 | Corrections for gNB test cases | Qualcomm Incorporated | agreed | - | - |
| S3-222319 | Re-using V2X unicast security for UAS | Qualcomm Incorporated | approved | S3-221829 | - |
| S3-222320 | Proposed solution for key issue #1 using SHAKEN based third-party specific user identities | Qualcomm Incorporated, Huawei, Hisilicon, Beijing Xiaomi Mobile Software | approved | S3-221830 | - |
| S3-222321 | TS 33.742 | Qualcomm Austria RFFE GmbH | approved | S3-221201 | - |
| S3-222322 | Draft CR: Introducing split gNBs into TR 33.926 | Qualcomm Incorporated | approved | - | - |
| S3-222323 | Draft TR 33.891 | Qualcomm Incorporated | approved | S3-221607 | - |
| S3-222324 | Clarification on Authentication for UE behind 5G-RG and FN-RG | CableLabs | agreed | S3-222025 | - |
| S3-222325 | TR 33.883 for 5MBS security | Huawei, HiSilicon | approved | - | - |
| S3-222326 | Authentication of NF Producer in Indirect Communication | CableLabs, Nokia, Nokia Shanghai Bell | approved | S3-221904 | - |
| S3-222327 | Resolving EN in solution #6 | Huawei, Hisilicon, Nokia, Nokia Shanghai Bell | approved | S3-221933 | - |
| S3-222328 | New solution for the authorization of the delegated subscribe | Huawei, Hisilicon | approved | S3-221934 | - |
| S3-222329 | TS33.526 MnF threats | Huawei, Hisilicon | approved | S3-221937 | - |
| S3-222330 | clarification on IP\_FWD\_DISABLING-R16 | Huawei,HiSilicon | agreed | S3-221942 | - |
| S3-222331 | clarification on IP\_FWD\_DISABLING-R17 | Huawei,HiSilicon | agreed | S3-221943 | - |
| S3-222332 | modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R16 | Huawei,HiSilicon | agreed | S3-221944 | - |
| S3-222333 | modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R17 | Huawei,HiSilicon | agreed | S3-221945 | - |
| S3-222334 | modification on Handling of ICMP-R16 | Huawei,HiSilicon | agreed | S3-221946 | - |
| S3-222335 | modification on Handling of ICMP-R17 | Huawei,HiSilicon | agreed | S3-221947 | - |
| S3-222336 | modification on IP\_MULTICAST\_HANDLING-R16 | Huawei,HiSilicon | agreed | S3-221948 | - |
| S3-222337 | modification on IP\_MULTICAST\_HANDLING-R17 | Huawei,HiSilicon | agreed | S3-221949 | - |
| S3-222338 | New KI on security aspects of IMS DC | Huawei, HiSilicon | approved | S3-221954 | - |
| S3-222339 | Selective End of End Protection of HTTP Request and Response in Indirect | CableLabs | approved | S3-222247 | - |
| S3-222340 | Draft TR 33.890 020 | Huawei, HiSilicon | approved | - | - |
| S3-222341 | New solution: End-to-end security establishment for Layer-2 UE-to-UE relay | OPPO | approved | S3-222189 | - |
| S3-222342 | TR 33.896v020 | Huawei, HiSilicon | approved | - | - |
| S3-222343 | New Ki related to authorization of exposed PIN capabilites | Nokia, Nokia Shanghai Bell | approved | S3-221805 | - |
| S3-222344 | TR 33.740 v0.2.0 Study on security aspects of Proximity Based Services (ProSe) in 5G System (5GS) phase 2 | CATT | approved | - | - |
| S3-222345 | CR to TS33.503 Update Figure 6.3.3.3.2-1 | CATT | withdrawn | - | - |
| S3-222346 | Update IPSec reference from obsolete RFC 7296 to RFC 8247 | Intel | agreed | S3-222047 | - |
| S3-222347 | Update IPSec reference from obsolete RFC 7296 to RFC 8247 | Intel | agreed | S3-222048 | - |
| S3-222348 | 33.893: Add Third Party UE in KI#2 | Xiaomi Technology | approved | S3-222209 | - |
| S3-222349 | 33.893: New Key Issue on Security for PC5 Communication | Xiaomi, Huawei, Hisilicon, ChinaTelecom, Interdigital | approved | S3-222207 | - |
| S3-222350 | 33.896: Solution on Obtaining User Consent in Non-mobility Case for KI#2 | Xiaomi Technology | approved | S3-222214 | - |
| S3-222351 | 33.896: Solution on Obtaining User Consent Revocation for KI#2 | Xiaomi Technology | approved | S3-222215 | - |
| S3-222352 | Updates to U2N Relay Discovery Security Procedure | Xiaomi Technology | agreed | S3-222198 | - |
| S3-222353 | Corrections in TS 33.503 | Xiaomi Technology | agreed | S3-222205 | - |
| S3-222354 | New solution for PC5 link security when UE-to-UE relay is in coverage | Ericsson | approved | S3-221912 | - |
| S3-222355 | New solution for PC5 link security when UE-to-UE relay is out of coverage | Ericsson | approved | S3-221913 | - |
| S3-222356 | Implementation correction of S3-221294 | Ericsson | agreed | S3-221749 | - |
| S3-222357 | Correction to authorization based on RSC | Ericsson | agreed | S3-221909 | - |
| S3-222358 | Clarifications of general description to Restricted 5G ProSe Direct Discovery | Ericsson | agreed | S3-221910 | - |
| S3-222359 | Rename 5GPRUK ID and 5GPRUK in CP based solution | Ericsson | agreed | S3-221911 | - |
| S3-222360 | LS reply on East/West Bound Interface for Telco Edge consideration | Nokia, Nokia Shanghai Bell | approved | S3-221790 | - |
| S3-222361 | Key Issue: UAV Privacy over PC5 link | InterDigital, Europe, Ltd. | approved | S3-221756 | - |
| S3-222362 | Solution on Direct C2 Security | InterDigital, Europe, Ltd. | approved | S3-221757 | - |
| S3-222363 | LS Reply on Reply LS on 5G ProSe security open items | InterDigital, Europe, Ltd. | revised | S3-221758 | S3-222434 |
| S3-222364 | New solution: Restricted Peer UE IP Discovery with Layer-3 UE-to-UE Relay | InterDigital, Europe, Ltd. | approved | S3-221764 | - |
| S3-222365 | New solution: Privacy for Layer-3 UE-to-UE Relay based on IP routing | InterDigital, Europe, Ltd. | approved | S3-221765 | - |
| S3-222366 | New WID: 5G ProSe Secondary Authentication | InterDigital, Europe, Ltd., LG Electronics, Samsung, China Telecom, Philips | agreed | S3-221762 | - |
| S3-222367 | Add terms and abbreviations to TR 33.882 | ZTE Corporation | approved | S3-221892 | - |
| S3-222368 | Add ApplicationKey\_ AnonUser\_Get into table 7.1.1-1 | ZTE Corporation | agreed | S3-221882 | - |
| S3-222369 | Adding AAnF critical assets to TS 33.926 | ZTE Corporation | approved | S3-221876 | - |
| S3-222370 | New solution on Network-assisted Security Establishment Procedure for 5G ProSe Layer-3 UE-to-UE Relay | Beijing Xiaomi Mobile Software | withdrawn | - | - |
| S3-222371 | New solution on Non-network-assisted Security Establishment Procedure for 5G ProSe Layer-3 UE-to-UE Relay | Beijing Xiaomi Mobile Software | approved | S3-222217 | - |
| S3-222372 | New solution on Restricted 5G ProSe UE-to-UE Relay Discovery Model A | Beijing Xiaomi Mobile Software | approved | S3-222218 | - |
| S3-222373 | New solution on Restricted 5G ProSe UE-to-UE Relay Discovery Model B | Beijing Xiaomi Mobile Software | approved | S3-222219 | - |
| S3-222374 | Add threat and requirement to key issue #1 | Huawei, HiSilicon, Philips, Interdigital | approved | S3-222064 | - |
| S3-222375 | Resolution of the issue of authentication mechanism selection | Huawei, HiSilicon, Interdigital, Nokia, Nokia Shanghai Bell | agreed | S3-222074 | - |
| S3-222376 | Clarification on 5G ProSe Remote UE specific authentication mechanism | Huawei, HiSilicon | agreed | S3-222076 | - |
| S3-222377 | Remote UE Report when security procedure over Control Plane is performed | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | agreed | S3-222077 | - |
| S3-222378 | New Key Issue on Security and privacy of path switching between two indirect network communication paths for UE-to-Network Relaying | Huawei, HiSilicon | noted | S3-222081 | - |
| S3-222379 | New Key Issue on Security and privacy of path switch between L2 U2NW and direct connections | Huawei, HiSilicon | noted | S3-222082 | - |
| S3-222380 | New Key Issue on Security and privacy of multi-path transmission for UE-to-Network Relay | Huawei, HiSilicon | noted | S3-222083 | - |
| S3-222381 | supporting UP IP at eNB | Huawei, HiSilicon | approved | S3-222098 | - |
| S3-222382 | UP IP policy selection-R18 | Huawei, HiSilicon | approved | S3-222099 | - |
| S3-222383 | locally UP IP supporting at eNB | Huawei, HiSilicon | approved | S3-222100 | - |
| S3-222384 | draft CR to 33.926 on locally UP IP supporting at eNB | Huawei, HiSilicon | approved | S3-222102 | - |
| S3-222385 | draft CR to 33.926 on UP IP policy selection at eNB | Huawei, HiSilicon | approved | S3-222103 | - |
| S3-222386 | Living document to TR 33.926 for SCAS 5G Ph2 | Huawei, HiSilicon | approved | S3-222104 | - |
| S3-222387 | Update clause 4.2.5, and 4.2.6 | Huawei, HiSilicon | withdrawn | - | - |
| S3-222388 | clarification on the internal authentication and an external authentication | Huawei, HiSilicon | agreed | S3-222123 | - |
| S3-222389 | Living document to TS 33.216 | Huawei, HiSilicon | approved | - | - |
| S3-222390 | Living document to TS 33.117 | Huawei, HiSilicon | approved | - | - |
| S3-222391 | Reply LS on the impact of MSK update on MBS multicast session update procedure | Huawei, HiSilicon | approved | - | - |
| S3-222392 | Alignment with RAN3 LS for EN-DC for UPIP | Huawei, HiSilicon, Ericsson | withdrawn | - | - |
| S3-222393 | Reply LS on UEs LTE UPIP capability for EN-DC | Huawei, HiSilicon, Ericsson | withdrawn | - | - |
| S3-222394 | Address EN for UC3S | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S3-222395 | EAP\_AKA prime based authentication for AUN3 devices | Nokia, Nokia Shanghai Bell, CableLabs | approved | S3-221768 | - |
| S3-222396 | Correction in AUSF api related to NSWO | Nokia, Nokia Shanghai Bell, CableLabs | agreed | S3-221777 | - |
| S3-222397 | LS reply on 5G NSWO roaming aspects | Nokia, Nokia Shanghai Bell | agreed | S3-221778 | - |
| S3-222398 | Correction of Transport security protection for MSGin5G interfaces | China Mobile | agreed | S3-222133 | - |
| S3-222399 | Draft 33.887 Study on Security aspects for 5WWC Phase 2 | Nokia Solutions & Networks (I) | approved | - | - |
| S3-222400 | CR to TS33.503 Remove secondary authentication related content | CATT | agreed | S3-222029 | - |
| S3-222401 | New solution: How the Originating IMS network signs the 3rd party IDs and terminating IMS network verifies the 3rd party IDs | Ericsson, Beijing Xiaomi Mobile Software | approved | S3-222022 | - |
| S3-222402 | Solution for PC5 link security establishment for U2U Relay | China Telecom Corporation Ltd. | approved | S3-221921 | - |
| S3-222403 | Correction figure in ProSe UE-to-Network Relay security procedure over Control Plane in TS33.503 | China Telecom Corporation Ltd. | agreed | S3-221981 | - |
| S3-222404 | New Key issue on the privacy of information handled by the RAN AI/ML framework | Ericsson, Intel | approved | S3-222012 | - |
| S3-222405 | Draft TR 33.877 v0.2.0 Study on the security aspects of Artificial Intelligence (AI)/Machine Learning (ML) for the NG-RAN | Ericsson España S.A. | approved | - | - |
| S3-222406 | Draft TR 33.893 v0.2.0 Study on Security Aspects of Ranging Based Services and Sidelink Positioning | Xiaomi Technology | approved | - | - |
| S3-222407 | Adding overview of SECAM for 3GPP virtualized networ products into clause 4 in TR 33.936 | China Mobile | approved | S3-222144 | - |
| S3-222408 | Adding Scope of SECAM for 3GPP virtualized network products of type 1 into clause 4 in TR 33.936 | China Mobile | approved | S3-222145 | - |
| S3-222409 | Adding Scope of SECAM evaluation for type 1 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | approved | S3-222148 | - |
| S3-222410 | Adding Scope of SECAM accreditation for type 1 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | approved | S3-222151 | - |
| S3-222411 | Adding contents of chapters 4.5 about type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | approved | S3-222154 | - |
| S3-222412 | Adding contents of chapters 4.7 for type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | approved | S3-222160 | - |
| S3-222413 | Adding contents of chapters 4.8 for type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | approved | S3-222163 | - |
| S3-222414 | Adding content to clause 5.1 in TR 33.936 | China Mobile | approved | S3-222172 | - |
| S3-222415 | Adding description about general content of SCAS document and ToE to clause 5.2 in TR 33.936 | China Mobile | approved | S3-222173 | - |
| S3-222416 | Adding description about SPD to clause 5.2 in TR33.936 | China Mobile | approved | S3-222174 | - |
| S3-222417 | Adding description about methodology of security requirements to clause 5.2 in TR 33.936 | China Mobile | approved | S3-222175 | - |
| S3-222418 | Proposal to add overview in clause 4 Generic Virtulizated Network Product (GVNP) class for type 1 in TR 33.927 | China Mobile | approved | S3-222178 | - |
| S3-222419 | Proposal to add introduction in clause 4.3 Generic virtualized network product model for type 1 in TR33.927 | China Mobile | approved | S3-222182 | - |
| S3-222420 | Proposal to add GVNP model of type 1 in TR 33.927 | China Mobile | approved | S3-222185 | - |
| S3-222421 | TR 33.936 | China Mobile | approved | - | - |
| S3-222422 | TR 33.927 | China Mobile | approved | - | - |
| S3-222423 | TR 33.894 for FS\_ZTS | Lenovo | approved | - | - |
| S3-222424 | Draft TR 33.892 v0.2.0 | Lenovo | approved | - | - |
| S3-222425 | Solution on enhancing the URSP rule with certificate fingerprint | Lenovo | approved | S3-221901 | - |
| S3-222426 | LS reply on User plane security | China Mobile | approved | S3-222131 | - |
| S3-222427 | Key issue for privacy protection for unicast messages over PC5 | China Mobile | approved | S3-222129 | - |
| S3-222428 | Address EN in Overview and editorial modification | China Mobile | approved | S3-222130 | - |
| S3-222429 | TR 33.882 v0.2.0 Study on personal IoT networks security aspects | vivo Mobile Communication (S) | approved | - | - |
| S3-222430 | withdrawn | Huawei, HiSilicon | withdrawn | - | - |
| S3-222431 | Alignment with RAN3 LS for EN-DC for UPIP | Huawei, HiSilicon, Ericsson | agreed | S3-222062 | - |
| S3-222432 | Reply LS on UE’s LTE UPIP capability for EN-DC | Huawei, HiSilicon, Ericsson | revised | S3-222063 | S3-222435 |
| S3-222433 | Address EN for UC3S | Huawei, HiSilicon,Nokia, Nokia Shanghai Bell | agreed | S3-222088 | - |
| S3-222434 | LS Reply on Reply LS on 5G ProSe security open items | InterDigital, Europe, Ltd. | approved | S3-222363 | - |
| S3-222435 | Reply LS on UE’s LTE UPIP capability for EN-DC | Huawei, HiSilicon, Ericsson | approved | S3-222432 | - |
| S3-222436 | Update to and split of KI#10 to clarify the scenarios | BSI (DE),Nokia, Nokia Shanghai Bell | approved | S3-221978 | - |
| S3-222437 | Solution for KI#10 (hosted SEPP) | BSI (DE),Nokia, Nokia Shanghai Bell | approved | S3-221980 | - |
| S3-222438 | pCR to TR33.875 new solution on PRINS for roaming hubs | NTT DOCOMO INC., Nokia, NokiaShanghai Bell, BSI (DE), Deutsche Telekom | approved | S3-222246 | - |
| S3-222439 | New SID on Security Aspects of Satellite Access | Xiaomi, China Mobile, China Telecom, Qualcomm, InterDitigal, ZTE, Nokia, Nokia Shanghai Bell, Thales | agreed | S3-222197 | - |

### A2: Tdoc decision timing

|  |  |  |
| --- | --- | --- |
| Document | Date/time UTC | Decision |
| C3-195000 | 01/01/2020 11:26:05 | approved |
| C3-195000 | 01/01/2020 11:26:15 | noted |
| C3-195000 | 01/01/2020 11:26:22 | approved |
| C3-195000 | 21/02/2020 15:30:18 | agreed |
| C3-195000 | 21/02/2020 15:30:38 | noted |
| C3-195000 | 22/02/2020 09:50:03 | agreed |
| C3-195000 | 22/02/2020 09:50:06 | noted |
| C3-195000 | 22/02/2020 09:54:01 | postponed |
| C3-195000 | 22/02/2020 09:54:09 | noted |
| C3-195001 | 25/08/2020 14:02:52 | reserved |
| C3-195002 | 25/08/2020 14:03:26 | available |
| C3-195183 | 01/01/2020 11:32:41 | postponed |
| C3-195183 | 01/01/2020 14:52:18 | noted |
| C3-195183 | 01/01/2020 14:52:25 | approved |
| C3-195183 | 01/01/2020 14:52:27 | noted |
| C3-195183 | 01/01/2020 14:52:31 | agreed |
| C3-195183 | 01/01/2020 14:52:36 | postponed |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S3-221942 | clarification on IP\_FWD\_DISABLING-R16 | Huawei,HiSilicon | 33.117 | 0073 | - | Rel-16 | F | SCAS\_5G | revised |
| S3-222330 | clarification on IP\_FWD\_DISABLING-R16 | Huawei,HiSilicon | 33.117 | 0073 | 1 | Rel-16 | F | SCAS\_5G | agreed |
| S3-221943 | clarification on IP\_FWD\_DISABLING-R17 | Huawei,HiSilicon | 33.117 | 0074 | - | Rel-17 | A | SCAS\_5G | revised |
| S3-222331 | clarification on IP\_FWD\_DISABLING-R17 | Huawei,HiSilicon | 33.117 | 0074 | 1 | Rel-17 | A | SCAS\_5G | agreed |
| S3-221944 | modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R16 | Huawei,HiSilicon | 33.117 | 0075 | - | Rel-16 | F | SCAS\_5G | revised |
| S3-222332 | modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R16 | Huawei,HiSilicon | 33.117 | 0075 | 1 | Rel-16 | F | SCAS\_5G | agreed |
| S3-221945 | modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R17 | Huawei,HiSilicon | 33.117 | 0076 | - | Rel-17 | A | SCAS\_5G | revised |
| S3-222333 | modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R17 | Huawei,HiSilicon | 33.117 | 0076 | 1 | Rel-17 | A | SCAS\_5G | agreed |
| S3-221946 | modification on Handling of ICMP-R16 | Huawei,HiSilicon | 33.117 | 0077 | - | Rel-16 | F | SCAS\_5G | revised |
| S3-222334 | modification on Handling of ICMP-R16 | Huawei,HiSilicon | 33.117 | 0077 | 1 | Rel-16 | F | SCAS\_5G | agreed |
| S3-221947 | modification on Handling of ICMP-R17 | Huawei,HiSilicon | 33.117 | 0078 | - | Rel-17 | A | SCAS\_5G | revised |
| S3-222335 | modification on Handling of ICMP-R17 | Huawei,HiSilicon | 33.117 | 0078 | 1 | Rel-17 | A | SCAS\_5G | agreed |
| S3-221948 | modification on IP\_MULTICAST\_HANDLING-R16 | Huawei,HiSilicon | 33.117 | 0079 | - | Rel-16 | F | SCAS\_5G | revised |
| S3-222336 | modification on IP\_MULTICAST\_HANDLING-R16 | Huawei,HiSilicon | 33.117 | 0079 | 1 | Rel-16 | F | SCAS\_5G | agreed |
| S3-221949 | modification on IP\_MULTICAST\_HANDLING-R17 | Huawei,HiSilicon | 33.117 | 0080 | - | Rel-17 | A | SCAS\_5G | revised |
| S3-222337 | modification on IP\_MULTICAST\_HANDLING-R17 | Huawei,HiSilicon | 33.117 | 0080 | 1 | Rel-17 | A | SCAS\_5G | agreed |
| S3-221959 | Rel-15 Correcting the OAuth 2.0 roles in CAPIF | Ericsson | 33.122 | 0028 | - | Rel-15 | F | CAPIF-Sec | not pursued |
| S3-221960 | Rel-16 Correcting the OAuth 2.0 roles in CAPIF | Ericsson | 33.122 | 0029 | - | Rel-16 | A | CAPIF-Sec | not pursued |
| S3-221961 | Rel-17 Correcting the OAuth 2.0 roles in CAPIF | Ericsson | 33.122 | 0030 | - | Rel-17 | A | CAPIF-Sec | not pursued |
| S3-221741 | [33.180] R14 Incorrect Reference | Motorola Solutions Danmark A/S | 33.180 | 0190 | - | Rel-14 | F | MCSec | revised |
| S3-222271 | [33.180] R14 Incorrect Reference | Motorola Solutions Danmark A/S | 33.180 | 0190 | 1 | Rel-14 | F | MCSec | agreed |
| S3-221742 | [33.180] R15 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | 33.180 | 0191 | - | Rel-15 | A | MCSec | revised |
| S3-222272 | [33.180] R15 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | 33.180 | 0191 | 1 | Rel-15 | A | MCSec | agreed |
| S3-221743 | [33.180] R16 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | 33.180 | 0192 | - | Rel-16 | A | MCSec | revised |
| S3-222273 | [33.180] R16 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | 33.180 | 0192 | 1 | Rel-16 | A | MCSec | agreed |
| S3-221744 | [33.180] R17 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | 33.180 | 0193 | - | Rel-17 | A | MCSec | revised |
| S3-222274 | [33.180] R17 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | 33.180 | 0193 | 1 | Rel-17 | A | MCSec | agreed |
| S3-221750 | [33.180] R18 MC client clarification | Motorola Solutions Danmark A/S | 33.180 | 0194 | - | Rel-18 | F | MCXSec3 | not pursued |
| S3-222047 | Update IPSec reference from obsolete RFC 7296 to RFC 8247 | Intel | 33.210 | 0073 | - | Rel-17 | F | eCryptPr | revised |
| S3-222346 | Update IPSec reference from obsolete RFC 7296 to RFC 8247 | Intel | 33.210 | 0073 | 1 | Rel-17 | F | eCryptPr | agreed |
| S3-222048 | Update IPSec reference from obsolete RFC 7296 to RFC 8247 | Intel | 33.210 | 0074 | - | Rel-17 | F | eCryptPr | revised |
| S3-222347 | Update IPSec reference from obsolete RFC 7296 to RFC 8247 | Intel | 33.210 | 0074 | 1 | Rel-17 | F | eCryptPr | agreed |
| S3-222015 | Extending the Ua security protocol namespace to include the AKMA OSCORE Ua\* protocol | Ericsson, Deutsche Telekom | 33.220 | 0218 | - | Rel-18 | B | DUMMY | not pursued |
| S3-221827 | Resolving the EN on CAA level ID during UUAA procedures | Qualcomm Incorporated | 33.256 | 0009 | 1 | Rel-17 | F | ID\_UAS | not pursued |
| S3-221828 | Resolving the ENs on CAA level ID during revocation | Qualcomm Incorporated | 33.256 | 0011 | 1 | Rel-17 | F | ID\_UAS | not pursued |
| S3-221747 | Address ENs related to sending UAV ID to UAV | Huawei, HiSilicon | 33.256 | 0016 | - | Rel-17 | F | TEI17 | not pursued |
| S3-222002 | Correction figure in ProSe Discovery in TS33.303(R15) | China Telecom Corporation Ltd. | 33.303 | 0136 | - | Rel-15 | F | 5GS\_Ph1-SEC | not pursued |
| S3-222003 | Correction figure in ProSe Discovery in TS33.303(R16) - mirror | China Telecom Corporation Ltd. | 33.303 | 0137 | - | Rel-16 | A | 5GS\_Ph1-SEC | not pursued |
| S3-222004 | Correction figure in ProSe Discovery in TS33.303 | China Telecom Corporation Ltd. | 33.303 | 0138 | - | Rel-17 | F | TEI17,5GS\_Ph1-SEC | agreed |
| S3-221984 | Clarification on the format of callback URI in the NF certificate profile | Ericsson | 33.310 | 0131 | - | Rel-16 | F | 5G\_eSBA | agreed |
| S3-221985 | Clarification on the format of callback URI in the NF certificate profile | Ericsson | 33.310 | 0132 | - | Rel-17 | A | 5G\_eSBA | agreed |
| S3-221986 | Clarification on the certificate profile for SCP | Ericsson, Nokia, Nokia Shanghai Bell | 33.310 | 0133 | - | Rel-16 | F | 5G\_eSBA | revised |
| S3-222297 | Clarification on the certificate profile for SCP | Ericsson, Nokia, Nokia Shanghai Bell | 33.310 | 0133 | 1 | Rel-16 | F | 5G\_eSBA | agreed |
| S3-221987 | Clarification on the certificate profile for SCP | Ericsson, Nokia, Nokia Shanghai Bell | 33.310 | 0134 | - | Rel-17 | A | 5G\_eSBA | revised |
| S3-222298 | Clarification on the certificate profile for SCP | Ericsson, Nokia, Nokia Shanghai Bell | 33.310 | 0134 | 1 | Rel-17 | A | 5G\_eSBA | agreed |
| S3-221988 | Clarification on the certificate profile for SEPP | Ericsson | 33.310 | 0135 | - | Rel-16 | F | 5G\_eSBA | not pursued |
| S3-221989 | Clarification on the certificate profile for SEPP | Ericsson | 33.310 | 0136 | - | Rel-17 | A | 5G\_eSBA | not pursued |
| S3-221915 | Activation of UP IP in SgNB | Ericsson | 33.401 | 0710 | - | Rel-17 | F | UPIP\_SEC | merged |
| S3-222062 | Alignment with RAN3 LS for EN-DC for UPIP | Huawei, HiSilicon | 33.401 | 0711 | - | Rel-17 | F | UPIP\_SEC\_LTE | revised |
| S3-222431 | Alignment with RAN3 LS for EN-DC for UPIP | Huawei, HiSilicon, Ericsson | 33.401 | 0711 | 1 | Rel-17 | F | UPIP\_SEC\_LTE | agreed |
| S3-222097 | Address UPIP forward compability issue | Huawei, HiSilicon | 33.401 | 0712 | - | Rel-17 | F | UPIP\_SEC\_LTE | not pursued |
| S3-222392 | Alignment with RAN3 LS for EN-DC for UPIP | Huawei, HiSilicon, Ericsson | 33.401 | 0713 | - | Rel-17 | F | UPIP\_SEC\_LTE | withdrawn |
| S3-221966 | Correction on the implementation of CR 0013 (S3-220917) | Ericsson | 33.434 | 0014 | - | Rel-17 | F | eSEAL | agreed |
| S3-221772 | Clarification on authorization for inter NF mobility | Nokia, Nokia Shanghai Bell | 33.501 | 1424 | - | Rel-17 | F | TEI17 | not pursued |
| S3-221774 | Correction in UPU procedure to align with stage 3 | Nokia, Nokia Shanghai Bell | 33.501 | 1425 | - | Rel-16 | F | TEI16 | not pursued |
| S3-221775 | Correction in UPU procedure to align with stage 3 | Nokia, Nokia Shanghai Bell | 33.501 | 1426 | - | Rel-17 | A | TEI16 | not pursued |
| S3-221776 | NSWO alignment for MSK and PMK | Nokia, Nokia Shanghai Bell, CableLabs | 33.501 | 1427 | - | Rel-17 | F | NSWO\_5G | agreed |
| S3-221777 | Correction in AUSF api related to NSWO | Nokia, Nokia Shanghai Bell, CableLabs | 33.501 | 1428 | - | Rel-17 | F | NSWO\_5G | revised |
| S3-222396 | Correction in AUSF api related to NSWO | Nokia, Nokia Shanghai Bell, CableLabs | 33.501 | 1428 | 1 | Rel-17 | F | NSWO\_5G | agreed |
| S3-221786 | Verification of NSSAIs for preventing slice attack | CableLabs, Ericsson,Nokia, Nokia Shanghai Bell | 33.501 | 1429 | - | Rel-16 | F | 5G\_eSBA | not pursued |
| S3-221789 | User plane security for Non-SBA based interfaces | Nokia, Nokia Shanghai Bell | 33.501 | 1430 | - | Rel-17 | F | TEI17 | not pursued |
| S3-221795 | Include SN ID in NSSAA procedure in support of multiple registration | Huawei, Hisilicon | 33.501 | 1431 | - | Rel-16 | F | TEI16 | not pursued |
| S3-221797 | Address EN on alignment to SA2 | Huawei, Hisilicon | 33.501 | 1432 | - | Rel-17 | F | TEI17 | not pursued |
| S3-221799 | Address EN on AF Authorization | Huawei, Hisilicon | 33.501 | 1433 | - | Rel-17 | F | TEI17 | not pursued |
| S3-221840 | TargetNFServiceSetId to be part of access token claims | Nokia, Nokia Shanghai Bell | 33.501 | 1434 | - | Rel-17 | F | TEI17 | not pursued |
| S3-221841 | Clarification on N32-f connection establishment with TLS | Nokia, Nokia Shanghai Bell | 33.501 | 1435 | - | Rel-17 | F | TEI17 | not pursued |
| S3-221842 | pSEPP authorization fo PLMN ID in access token for TLS | Nokia, Nokia Shanghai Bell | 33.501 | 1436 | - | Rel-17 | F | TEI17 | revised |
| S3-222275 | pSEPP authorization fo PLMN ID in access token for TLS | Nokia, Nokia Shanghai Bell | 33.501 | 1436 | 1 | Rel-17 | F | TEI17 | agreed |
| S3-221867 | CR NRF deployments | Nokia, Nokia Shanghai Bell, Ericsson, Mavenir, Huawei, HiSilicon | 33.501 | 1437 | - | Rel-18 | B | DUMMY | endorsed |
| S3-221874 | Secondary PDU re-authentication when UE is not reachable | Samsung | 33.501 | 1438 | - | Rel-17 | F | TEI17 | not pursued |
| S3-221889 | Clarification on ResumeMAC-IshortResumeMAC-I check failed in clause 6.8.2.1.3-R15 | ZTE Corporation | 33.501 | 1439 | - | Rel-15 | F | 5GS\_Ph1-SEC | not pursued |
| S3-221890 | Clarification on ResumeMAC-IshortResumeMAC-I check failed in clause 6.8.2.1.3-R16 | ZTE Corporation | 33.501 | 1440 | - | Rel-16 | A | 5GS\_Ph1-SEC | not pursued |
| S3-221891 | Clarification on ResumeMAC-IshortResumeMAC-I check failed in clause 6.8.2.1.3-R17 | ZTE Corporation | 33.501 | 1441 | - | Rel-17 | A | 5GS\_Ph1-SEC | not pursued |
| S3-221907 | Clarification to multiple registrations in different PLMNs | Ericsson | 33.501 | 1442 | - | Rel-17 | F | TEI17 | revised |
| S3-222255 | Clarification to multiple registrations in different PLMNs | Ericsson | 33.501 | 1442 | 1 | Rel-17 | F | TEI17 | not pursued |
| S3-221918 | Alignment of NAS transport protocol for 5G-RG over Wireline | Ericsson | 33.501 | 1443 | - | Rel-16 | F | 5WWC | revised |
| S3-222263 | Alignment of NAS transport protocol for 5G-RG over Wireline | Ericsson | 33.501 | 1443 | 1 | Rel-16 | F | 5WWC | agreed |
| S3-221919 | Alignment of NAS transport protocol for 5G-RG over Wireline | Ericsson | 33.501 | 1444 | - | Rel-17 | A | 5WWC | revised |
| S3-222264 | Alignment of NAS transport protocol for 5G-RG over Wireline | Ericsson | 33.501 | 1444 | 1 | Rel-17 | A | 5WWC | agreed |
| S3-221932 | Clarification on the authorzation of NF Service Consumers for data access via DCCF for R17 | Huawei, Hisilicon | 33.501 | 1445 | - | Rel-17 | F | eNA\_Ph2 | agreed |
| S3-221977 | Confidentiality protection of SMS content over N32 | NTT DOCOMO INC. | 33.501 | 1446 | - | Rel-17 | F | TEI17 | agreed |
| S3-221991 | Clarification of SNI usage for NF clients and servers | Ericsson | 33.501 | 1447 | - | Rel-17 | F | TEI17 | revised |
| S3-222299 | Clarification of SNI usage for NF clients and servers | Ericsson, Nokia, Nokia Shanghai Bell | 33.501 | 1447 | 1 | Rel-17 | F | TEI17 | agreed |
| S3-221993 | Clarification on OAuth2.0 in interconnect and roaming scenarios, alternative 1 | Ericsson | 33.501 | 1448 | - | Rel-16 | F | 5G\_eSBA | revised |
| S3-222300 | Clarification on OAuth2.0 in interconnect and roaming scenarios | Ericsson | 33.501 | 1448 | 1 | Rel-16 | F | 5G\_eSBA | agreed |
| S3-221994 | Clarification on OAuth2.0 in interconnect and roaming scenarios, alternative 2 | Ericsson | 33.501 | 1449 | - | Rel-16 | F | 5G\_eSBA | not pursued |
| S3-221995 | Authorization between SCPs: Alignment with CR 1414 | Ericsson | 33.501 | 1450 | - | Rel-16 | F | 5G\_eSBA | agreed |
| S3-221996 | Clarification on access token requests for NF Producers of a specific NF type and token-based authorization for indirect communication with delegated discovery | Ericsson | 33.501 | 1451 | - | Rel-16 | F | 5G\_eSBA | not pursued |
| S3-221997 | Clarification on access token requests for NF Producers of a specific NF type and token-based authorization for indirect communication with delegated discovery | Ericsson | 33.501 | 1452 | - | Rel-17 | A | 5G\_eSBA | not pursued |
| S3-222006 | Add restriction for multi registrations in two PLMNs | Nokia, Nokia Shanghai Bell | 33.501 | 1453 | - | Rel-17 | A | TEI16 | not pursued |
| S3-222007 | control on NSSAA procedures for multi registrations in two PLMNs | Nokia, Nokia Shanghai Bell | 33.501 | 1454 | - | Rel-17 | F | TEI17 | not pursued |
| S3-222008 | Add restriction for multi registrations in two PLMNs | Nokia, Nokia Shanghai Bell | 33.501 | 1455 | - | Rel-16 | F | TEI16 | not pursued |
| S3-222009 | control on NSSAA procedures for multi registrations in two PLMNs | Nokia, Nokia Shanghai Bell | 33.501 | 1456 | - | Rel-16 | A | TEI17 | not pursued |
| S3-222019 | Clarification on AF authorization for the NSACF notification procedure | Ericsson | 33.501 | 1457 | - | Rel-17 | F | eNS2\_SEC | not pursued |
| S3-222020 | Alignment of NSACF notification procedure with existing procedures | Ericsson | 33.501 | 1458 | - | Rel-17 | F | TEI17 | not pursued |
| S3-222025 | Clarification on Authentication for UE behind 5G-RG and FN-RG | CableLabs | 33.501 | 1459 | - | Rel-17 | F | NSWO\_5G | revised |
| S3-222324 | Clarification on Authentication for UE behind 5G-RG and FN-RG | CableLabs | 33.501 | 1459 | 1 | Rel-17 | F | NSWO\_5G | agreed |
| S3-222028 | Adding optional use of CCA for delegated discovery | China Telecommunications, Nokia, Nokia Shanghai Bell | 33.501 | 1460 | - | Rel-16 | F | 5G\_eSBA | not pursued |
| S3-222031 | Adding optional use of CCA for delegated discovery(mirror) | China Telecommunications, Nokia, Nokia Shanghai Bell | 33.501 | 1461 | - | Rel-17 | A | 5G\_eSBA | not pursued |
| S3-222033 | Revise the pre-requisite of access token request | China Telecommunications | 33.501 | 1462 | - | Rel-16 | F | 5G\_eSBA | not pursued |
| S3-222034 | Revise the pre-requisite of access token request(mirror) | China Telecommunications | 33.501 | 1463 | - | Rel-17 | A | 5G\_eSBA | not pursued |
| S3-222035 | Revise the subject that performs verificaiton of access token | China Telecommunications | 33.501 | 1464 | - | Rel-16 | F | 5G\_eSBA | agreed |
| S3-222036 | Revise the subject that performs verificaiton of access token(mirror) | China Telecommunications | 33.501 | 1465 | - | Rel-17 | A | 5G\_eSBA | agreed |
| S3-222055 | clarification on the internal authentication and an external authentication | Huawei, HiSilicon | 33.501 | 1466 | - | Rel-18 | F | eNPN | withdrawn |
| S3-222060 | CR on Kiab handling in IAB migiration | Huawei, HiSilicon | 33.501 | 1467 | - | Rel-17 | F | TEI17 | not pursued |
| S3-222088 | Address EN for UC3S | Huawei, HiSilicon,Nokia, Nokia Shanghai Bell | 33.501 | 1468 | - | Rel-17 | F | UC3S\_SEC | revised |
| S3-222430 | withdrawn | Huawei, HiSilicon | 33.501 | 1468 | 1 | Rel-17 | F | UC3S\_SEC | withdrawn |
| S3-222433 | Address EN for UC3S | Huawei, HiSilicon,Nokia, Nokia Shanghai Bell | 33.501 | 1468 | 1 | Rel-17 | F | UC3S\_SEC | agreed |
| S3-222123 | clarification on the internal authentication and an external authentication | Huawei, HiSilicon | 33.501 | 1469 | - | Rel-17 | F | eNPN | revised |
| S3-222388 | clarification on the internal authentication and an external authentication | Huawei, HiSilicon | 33.501 | 1469 | 1 | Rel-17 | F | eNPN | agreed |
| S3-222132 | UP IP security | China Mobile | 33.501 | 1470 | - | Rel-17 | F | 5GS\_Ph1-SEC | not pursued |
| S3-222133 | Correction of Transport security protection for MSGin5G interfaces | China Mobile | 33.501 | 1471 | - | Rel-17 | F | 5GMSG | revised |
| S3-222398 | Correction of Transport security protection for MSGin5G interfaces | China Mobile | 33.501 | 1471 | 1 | Rel-17 | F | 5GMSG | agreed |
| S3-222190 | SERP-CR to 33501 | Apple | 33.501 | 1472 | - | Rel-18 | B | SERP | not pursued |
| S3-222192 | 33401CR - Clarification on NAS COUNT usage in KeNB derivation | Apple | 33.501 | 1473 | - | Rel-17 | F | TEI17 | not pursued |
| S3-222193 | 33501CR - Clarification on NAS COUNT usage in KeNB derivation | Apple | 33.501 | 1474 | - | Rel-17 | F | TEI17 | not pursued |
| S3-222194 | 33501\_s1n1\_idlemode\_mapped\_ctxt | Apple | 33.501 | 1475 | - | Rel-17 | F | TEI17 | not pursued |
| S3-222195 | 33501CR on fast reauthentication | Apple | 33.501 | 1476 | - | Rel-17 | F | TEI17 | not pursued |
| S3-222228 | 33.501: R15 Update EAP based secondary authentication by an external DN-AAA server | Xiaomi Communication | 33.501 | 1477 | - | Rel-15 | F | 5GS\_Ph1-SEC | not pursued |
| S3-222229 | 33.501: R16 Update EAP based secondary authentication by an external DN-AAA server (mirror) | Xiaomi Communication | 33.501 | 1478 | - | Rel-16 | A | 5GS\_Ph1-SEC | not pursued |
| S3-222230 | 33.501: R17 Update EAP based secondary authentication by an external DN-AAA server (mirror) | Xiaomi Communication | 33.501 | 1479 | - | Rel-17 | A | 5GS\_Ph1-SEC | not pursued |
| S3-222235 | Resolving the alignment related EN for NSACF Subscription and unsubscription procedure | Xiaomi Communication | 33.501 | 1480 | - | Rel-17 | F | TEI17 | not pursued |
| S3-222236 | Update Subscription and unsubscription procedure of NSACF notification service | Xiaomi Communication | 33.501 | 1481 | - | Rel-17 | F | TEI17 | not pursued |
| S3-222301 | Clarification on OAuth2.0 in interconnect and roaming scenarios | Ericsson | 33.501 | 1482 | - | Rel-17 | A | 5G\_eSBA | agreed |
| S3-222394 | Address EN for UC3S | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | 33.501 | 1483 | - | Rel-17 | F | UC3S\_SEC | withdrawn |
| S3-221746 | Clarification on NAI format for PRUK ID | ZTE Corporation | 33.503 | 0001 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-221748 | HPLMN ID of Remote UE in Remote UE Report message | Ericsson | 33.503 | 0002 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-221749 | Implementation correction of S3-221294 | Ericsson | 33.503 | 0003 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-222356 | Implementation correction of S3-221294 | Ericsson | 33.503 | 0003 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-221759 | Support for Prose Secondary Authentication excluded from Rel-17 | InterDigital, Europe, Ltd., LG Electronics, Samsung | 33.503 | 0004 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-221760 | CP-UP Security Procedure selection | InterDigital, Europe, Ltd. | 33.503 | 0005 | - | Rel-17 | F | 5G\_ProSe | merged |
| S3-221834 | Updates on Open 5G ProSe Direct Discovery | Qualcomm Incorporated | 33.503 | 0006 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-221835 | Updates on Restricted 5G ProSe Direct Discovery | Qualcomm Incorporated | 33.503 | 0007 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-221879 | 5GPRUK refresh in clause 6.3.3.3.2 | ZTE Corporation | 33.503 | 0008 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-221880 | Clarification on subscription update in clause 6.3.3.3.2 | ZTE Corporation | 33.503 | 0009 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-221909 | Correction to authorization based on RSC | Ericsson | 33.503 | 0010 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-222357 | Correction to authorization based on RSC | Ericsson | 33.503 | 0010 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-221910 | Clarifications of general description to Restricted 5G ProSe Direct Discovery | Ericsson | 33.503 | 0011 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-222358 | Clarifications of general description to Restricted 5G ProSe Direct Discovery | Ericsson | 33.503 | 0011 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-221911 | Rename 5GPRUK ID and 5GPRUK in CP based solution | Ericsson | 33.503 | 0012 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-222359 | Rename 5GPRUK ID and 5GPRUK in CP based solution | Ericsson | 33.503 | 0012 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-221972 | Clarification for ProSe UE-to-Network Relay security procedure over Control Plane in TS33.503 | China Telecom Corporation Ltd. | 33.503 | 0013 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-221975 | Correction figure in 5G ProSe Discoervery in TS33.503 | China Telecom Corporation Ltd. | 33.503 | 0014 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-221981 | Correction figure in ProSe UE-to-Network Relay security procedure over Control Plane in TS33.503 | China Telecom Corporation Ltd. | 33.503 | 0015 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-222403 | Correction figure in ProSe UE-to-Network Relay security procedure over Control Plane in TS33.503 | China Telecom Corporation Ltd. | 33.503 | 0015 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222005 | clarify Remote UE ID of Remote UE report for CP based security | Nokia, Nokia Shanghai Bell | 33.503 | 0016 | - | Rel-17 | F | TEI17 | merged |
| S3-222023 | CR to TS33.503 Clean up clause 6.1.3.2.2 | CATT | 33.503 | 0017 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222026 | CR to TS33.503 Correct error in clause 6.3.3.2.2 | CATT | 33.503 | 0018 | - | Rel-17 | F | 5G\_ProSe | merged |
| S3-222027 | CR to TS33.503 Define reference point for PAnF | CATT | 33.503 | 0019 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222029 | CR to TS33.503 Remove secondary authentication related content | CATT | 33.503 | 0020 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-222400 | CR to TS33.503 Remove secondary authentication related content | CATT | 33.503 | 0020 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222030 | CR to TS33.503 Update Abbreviations | CATT | 33.503 | 0021 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222032 | CR to TS33.503 Update Figure 6.3.3.3.2-1 | CATT | 33.503 | 0022 | - | Rel-17 | F | 5G\_ProSe | merged |
| S3-222345 | CR to TS33.503 Update Figure 6.3.3.3.2-1 | CATT | 33.503 | 0022 | 1 | Rel-17 | F | 5G\_ProSe | withdrawn |
| S3-222074 | Resolution of the issue of authentication mechanism selection | Huawei, HiSilicon | 33.503 | 0023 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-222375 | Resolution of the issue of authentication mechanism selection | Huawei, HiSilicon, Interdigital, Nokia, Nokia Shanghai Bell | 33.503 | 0023 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222075 | Delete of secondary authentication | Huawei, HiSilicon | 33.503 | 0024 | - | Rel-17 | F | 5G\_ProSe | merged |
| S3-222076 | Clarification on 5G ProSe Remote UE specific authentication mechanism | Huawei, HiSilicon | 33.503 | 0025 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-222376 | Clarification on 5G ProSe Remote UE specific authentication mechanism | Huawei, HiSilicon | 33.503 | 0025 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222077 | Remote UE Report when security procedure over Control Plane is performed | Huawei, HiSilicon | 33.503 | 0026 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-222377 | Remote UE Report when security procedure over Control Plane is performed | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | 33.503 | 0026 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222078 | clarification on SUPI in Nudm\_UEAuthentication\_GetProseAv service | Huawei, HiSilicon | 33.503 | 0027 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-222079 | Add clause of broadcast communication | Huawei, HiSilicon | 33.503 | 0028 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222080 | Add clause of groupcast communication | Huawei, HiSilicon | 33.503 | 0029 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222096 | Correction to Nausf\_UEAuthentication\_Authenticate service | Huawei, HiSilicon | 33.503 | 0030 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222121 | Clarification on ID handling at AMF and 5G PKMF | Huawei, HiSilicon | 33.503 | 0031 | - | Rel-18 | F | 5G\_ProSe | withdrawn |
| S3-222124 | Clarification on ID handling at AMF and 5G PKMF | Huawei, HiSilicon | 33.503 | 0032 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-222196 | CR to TS33.503 Modify clause and figure titles for U2N relay clauses | CATT | 33.503 | 0033 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222198 | Updates to U2N Relay Discovery Security Procedure | Xiaomi Technology | 33.503 | 0034 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-222352 | Updates to U2N Relay Discovery Security Procedure | Xiaomi Technology | 33.503 | 0034 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-222199 | DDNMF Selection during U2N Relay Discovery Security Procedure | Xiaomi Technology | 33.503 | 0035 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-222200 | Match Report in U2N Relay Discovery Security Procedure | Xiaomi Technology | 33.503 | 0036 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-222201 | Updates to Key Definitions | Xiaomi Technology | 33.503 | 0037 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-222202 | Security Method Check during U2N Relay Discovery Procedure | Xiaomi Technology | 33.503 | 0038 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-222203 | Security Method Check during CP-based U2N Relay Communication Establishment | Xiaomi Technology | 33.503 | 0039 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-222204 | Security Method Check during UP-based U2N Relay Communication Establishment | Xiaomi Technology | 33.503 | 0040 | - | Rel-17 | F | 5G\_ProSe | not pursued |
| S3-222205 | Corrections in TS 33.503 | Xiaomi Technology | 33.503 | 0041 | - | Rel-17 | F | 5G\_ProSe | revised |
| S3-222353 | Corrections in TS 33.503 | Xiaomi Technology | 33.503 | 0041 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S3-221826 | Corrections for gNB test cases | Qualcomm Incorporated | 33.511 | 0028 | - | Rel-17 | F | eSCAS\_5G | revised |
| S3-222317 | Corrections for gNB test cases | Qualcomm Incorporated | 33.511 | 0028 | 1 | Rel-16 | F | SCAS\_5G | agreed |
| S3-221886 | Adding a test case for gNB in TS 33.511 clause 4.2.2.1.4-R16 | ZTE Corporation | 33.511 | 0029 | - | Rel-16 | F | SCAS\_5G | not pursued |
| S3-221887 | Adding a test case for gNB in TS 33.511 clause 4.2.2.1.4-R17 | ZTE Corporation | 33.511 | 0030 | - | Rel-17 | A | SCAS\_5G | not pursued |
| S3-221888 | Adding a test case for gNB in TS 33.511 clause 4.2.2.1.4-R18 | ZTE Corporation | 33.511 | 0031 | - | Rel-18 | A | SCAS\_5G | not pursued |
| S3-222318 | Corrections for gNB test cases | Qualcomm Incorporated | 33.511 | 0032 | - | Rel-17 | A | SCAS\_5G | agreed |
| S3-221753 | New test case to cover the AAnF provisioning | Keysight Technologies UK Ltd | 33.516 | 0003 | - | Rel-17 | B | eSCAS\_5G | withdrawn |
| S3-221754 | New test case to cover the AAnF provisioning | Keysight Technologies UK Ltd | 33.516 | 0004 | - | Rel-18 | B | SCAS\_5G\_Ph2 | not pursued |
| S3-221882 | Add ApplicationKey\_ AnonUser\_Get into table 7.1.1-1 | ZTE Corporation | 33.535 | 0132 | - | Rel-17 | F | AKMA | revised |
| S3-222368 | Add ApplicationKey\_ AnonUser\_Get into table 7.1.1-1 | ZTE Corporation | 33.535 | 0132 | 1 | Rel-17 | F | AKMA | agreed |
| S3-221883 | Add Context\_Remove into table 7.1.1-1. | ZTE Corporation | 33.535 | 0133 | - | Rel-17 | F | AKMA | not pursued |
| S3-221884 | Add UDM or OAM in clause 6.6.1and 6.7 | ZTE Corporation | 33.535 | 0134 | - | Rel-17 | F | AKMA | not pursued |
| S3-221885 | AKMA application context removal | ZTE Corporation | 33.535 | 0135 | - | Rel-17 | F | AKMA | not pursued |
| S3-222014 | IETF OSCORE as AKMA Ua\* protocol | Ericsson, Deutsche Telekom | 33.535 | 0136 | - | Rel-18 | B | DUMMY | not pursued |
| S3-222058 | Clarifications to TS 33.535 | Huawei, HiSilicon | 33.535 | 0137 | - | Rel-17 | F | AKMA | agreed |
| S3-222143 | AAnF sending GPSI to internal AKMA AF | China Mobile | 33.535 | 0138 | - | Rel-17 | F | AKMA | not pursued |
| S3-221962 | Correction and clarification in user consent requirements | Ericsson | 33.558 | 0004 | - | Rel-17 | F | eEDGE\_5GC | not pursued |
| S3-221963 | Addressing authorization for EDGE-9 | Ericsson | 33.558 | 0005 | - | Rel-17 | F | eEDGE\_5GC | not pursued |
| S3-221965 | Corrections and clarifications on the usage of HTTPS and X.509 certificates | Ericsson | 33.558 | 0006 | - | Rel-17 | F | eEDGE\_5GC | agreed |
| S3-222037 | EDGE-9 and Interface Between EASs Security | InterDigital Communications | 33.558 | 0007 | - | Rel-17 | B | eEDGE\_5GC | not pursued |
| S3-221796 | Clean up to TR33874 | Huawei, Hisilicon | 33.874 | 0001 | - | Rel-18 | F | FS\_eNS2\_SEC | revised |
| S3-222305 | Clean up to TR33874 | Huawei, Hisilicon | 33.874 | 0001 | 1 | Rel-18 | F | FS\_eNS2\_SEC | agreed |
| S3-221825 | Proposed correction to Annex D on gNB network product class | Qualcomm Incorporated | 33.926 | 0060 | - | Rel-17 | F | eSCAS\_5G | revised |
| S3-222315 | Proposed correction to Annex D on gNB network product class | Qualcomm Incorporated | 33.926 | 0060 | 1 | Rel-16 | F | SCAS\_5G | agreed |
| S3-222316 | Proposed correction to Annex D on gNB network product class | Qualcomm Incorporated | 33.926 | 0061 | - | Rel-17 | A | SCAS\_5G | agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

| **Tdoc** | **originalLS** | **Title** | **Source** | **Decision** | **ReplyIn** |
| --- | --- | --- | --- | --- | --- |
| S3-221718 |  | Reply LS on EPS fallback enhancements | C1-223535 | noted |  |
| S3-221719 |  | LS on user’s consent for EDGEAPP | C3-223780 | postponed |  |
| S3-221720 |  | LS on CT specification on Control Plane based security procedures for 5G ProSe UE-to-Network Relay | CP-221322 | noted |  |
| S3-221721 |  | LS to 3GPP on user plane security | GSMA | replied to | S3-222426 |
| S3-221722 |  | LS on 3GPP TS 29.244 | BBF | noted |  |
| S3-221723 |  | East/West Bound Interface for Telco Edge consideration | GSMA | replied to | S3-222360 |
| S3-221724 |  | LS on UE’s LTE UPIP capability for EN-DC | R3-223915 | replied to | S3-222432 |
| S3-221725 |  | Reply LS on User Consent Updating | R3-224076 | noted |  |
| S3-221726 |  | Reply LS on UE capabilities indication in UPU | S2-2204722 | noted |  |
| S3-221727 |  | LS on Joint CC for support of LI at HO for S8 Home routing | S2-2204731 | noted |  |
| S3-221728 |  | Reply LS on the impact of MSK update on MBS multicast session update procedure | S2-2204741 | replied to | S3-222391 |
| S3-221729 |  | Reply LS on Clarifications on Nmbstf\_MBSDistributionSession service | S2-2204742 | noted |  |
| S3-221730 |  | LS OUT on Indication of Network Assisted Positioning method | S2-2204744 | noted |  |
| S3-221731 |  | LS OUT on alignment of non-seamless NSW handling | S2-2204752 | noted | S3-221778, S3-222397 |
| S3-221732 |  | LS on 5G ProSe security open items | S2-2204904 | replied to | S3-222363 |
| S3-221733 |  | LS on CAPIF authorization roles related to FS\_SNAAPP | S6-221771 | noted | S3-222256 |
| S3-221734 |  | LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network | S6-221953 | postponed | S3-222038 |
| S3-221735 |  | Reply LS on 5G ProSe security open items | SP-220716 | replied to | S3-222363 |
| S3-221736 |  | LS on X.5Gsec-vs (X.1813): Security requirements for the operation of vertical services supporting ultra- reliable and low latency communication | ITU-T Study Group 17 | noted |  |
| S3-221737 |  | LS to 3GPP Hosted SEPP | GSMA | replied to | S3-222304 |
| S3-221738 |  | LS on authentication type and related information of MSGin5G service | C1-223957 | withdrawn |  |
| S3-221739 |  | LS on consent of ITU-T Q.3062 (ex Q.Pro-Trust) and ITU-T Q.3063 (ex Q.CIDA) | ITU-T SG11 | noted |  |
| S3-221740 |  | Facilitating roaming adoption across 3GPP NPN deployments | WBA OpenRoaming Technical Standards Task Group | postponed | S3-222040 |
| S3-221976 |  | LS reply to 3GPP on Alignment of EDGEAPP and ETSI MEC | ETSI ISG MEC | noted |  |
| S3-222259 |  | Reply LS on PLMN ID used in Roaming Scenarios | C4-224444 | postponed |  |

### C2: Outgoing liaison statements

| **Tdoc** | **Title** | **To** | **Cc** | **ReplyTo** |
| --- | --- | --- | --- | --- |
| S3-222304 | LS reply to GSMA on Hosted SEPP | GSMA 5GMRR | - | S3-221737 |
| S3-222360 | LS reply on East/West Bound Interface for Telco Edge consideration | GSMA | - | S3-221723 |
| S3-222391 | Reply LS on the impact of MSK update on MBS multicast session update procedure | SA2, CT1, SA4 | CT4 | S3-221728 |
| S3-222397 | LS reply on 5G NSWO roaming aspects | SA2 | CT4 | S3-221731 |
| S3-222426 | LS reply on User plane security | GSMA | - | S3-222721 |
| S3-222434 | LS Reply on Reply LS on 5G ProSe security open items | SA, SA2 | CT, CT1, CT3, CT4, CT6 | S3-221732,S3-221735 |
| S3-222435 | Reply LS on UE’s LTE UPIP capability for EN-DC | RAN3 | - | S3 221724 |

## Annex D: List of draft Technical Specifications and Reports

| **Tdoc** | **Spec** | **Version-Current** | **Title** |
| --- | --- | --- | --- |
| S3-222269 | 33.526 | 0.3.0 | new draft TS 33.526 MnF SCAS |
| S3-222276 | 33.537 | 0.2.0 | draft TS 33.537 |
| S3-222295 | 33.875 | 1.3.0 | TR 33.875-130 eSBA Security |
| S3-222321 | 33.742 | 0.2.0 | TS 33.742 |
| S3-222323 | 33.891 | 0.2.0 | Draft TR 33.891 |
| S3-222325 | 33.883 | 0.2.0 | TR 33.883 for 5MBS security |
| S3-222340 | 33.890 | 0.2.0 | Draft TR 33.890 020 |
| S3-222342 | 33.896 | 0.2.0 | TR 33.896v020 |
| S3-222344 | 33.740 | 0.2.0 | TR 33.740 v0.2.0 Study on security aspects of Proximity Based Services (ProSe) in 5G System (5GS) phase 2 |
| S3-222399 | 33.887 | 0.2.0 | Draft 33.887 Study on Security aspects for 5WWC Phase 2 |
| S3-222405 | 33.877 | 0.2.0 | Draft TR 33.877 v0.2.0 Study on the security aspects of Artificial Intelligence (AI)/Machine Learning (ML) for the NG-RAN |
| S3-222406 | 33.893 | 0.2.0 | Draft TR 33.893 v0.2.0 Study on Security Aspects of Ranging Based Services and Sidelink Positioning |
| S3-222421 | 33.936 | 0.3.0 | TR 33.936 |
| S3-222422 | 33.927 | 0.2.0 | TR 33.927 |
| S3-222423 | 33.894 | 0.2.0 | TR 33.894 for FS\_ZTS |
| S3-222424 | 33.892 | 0.2.0 | Draft TR 33.892 v0.2.0 |
| S3-222429 | 33.882 | 0.2.0 | TR 33.882 v0.2.0 Study on personal IoT networks security aspects |

## Annex E: List of participants

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Employer Category Code | Organization Represented | Organization Represented Category Code |
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| Mr. | Shi | Xiaoyan | Intel | ATIS | Intel Ireland | ETSI |
| Ms. | Si | Xuan | China Telecommunications | ETSI | China Telecomunication Corp. | CCSA |
| Mr. | Sirotkin | Sasha | Apple Benelux B.V. | ETSI | Apple Marketing Iberia | ETSI |
| Ms. | So | Tricci | OPPO | ETSI | Orope Germany GmbH | ETSI |
| Mr. | Srinivasan | Suresh | Intel | ATIS | Intel K.K. | ARIB |
| Mrs. | Stanetsky | Nataliya | Google Ireland Limited | | Google Inc. | ATIS |
| Mr. | Starsinic | Michael | InterDigital, Inc. | ETSI | InterDigital France R&D, SAS | ETSI |
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| Mrs. | Vahidi | Helena | Ericsson LM | ETSI | Ericsson Japan K.K. | ARIB |
| Mr. | Vujcic | Dragan | IDEMIA | ETSI | IDEMIA | ETSI |
| Dr. | Wan | Tao | CableLabs | ETSI | CableLabs | ETSI |
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| Ms. | Warren | Denisha | U.S. National Security Agency | ATIS | U.S. National Security Agency | ATIS |
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| Mrs. | Xu | Dan | Ericsson LM | ETSI | Nanjing Ericsson Panda Com Ltd | CCSA |
| Ms. | Xu | Fangli | Apple Computer Trading Co. Ltd | CCSA | Apple Portugal | ETSI |
| Dr. | Xu | Jin | BUPT | CCSA | BUPT | CCSA |
| Mr. | Xu | Yang | Guangdong OPPO Mobile Telecom. | CCSA | Dongguan OPPO Precision Elec. | CCSA |
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| Miss | Yang | Haorui | OPPO Beijing | CCSA | Hangzhou Mengyuxiang | CCSA |
| Dr. | Yang | Tang | Apple AB | ETSI | Apple AB | ETSI |
| Dr. | Yao | Ge | China Unicom | CCSA | China Unicom | CCSA |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | ETSI | Intel Technology Poland SP Zoo | ETSI |
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| Miss | Yuan | Liya | ZTE Corporation | ETSI | Jetflow | CCSA |
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## Annex F: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA3#87-LI-e-a | 2022-10-05 | 2022-10-07 | Online |  | S3-87-e |
| SA3#108-bis-e | 2022-10-10 | 2022-10-14 | Online |  | S3-108-bis-e |
| SA3#87-LI-b | 2022-11-01 | 2022-11-04 | US TBC | US | S3-87 |
| SA3#109 | 2022-11-14 | 2022-11-18 | Toulouse | FR | S3-109 |
| SA3#109-bis | 2023-01-16 | 2023-01-20 | TBD |  | S3-109-bis |
| SA3#88-LI | 2023-01-31 | 2023-02-03 | Sophia Antipolis | FR | S3-88 |
| SA3#110 | 2023-02-20 | 2023-02-24 | EU | EU | S3-110 |
| SA3#110-bis | 2023-04-17 | 2023-04-21 | TBD | US | S3-110-bis |
| SA3#111 | 2023-05-22 | 2023-05-26 | China | CN | S3-111 |
| SA3#112 | 2023-08-14 | 2023-08-18 | EU | EU | S3-112 |
| SA3#113 | 2023-11-06 | 2023-11-10 | TBD | US | S3-113 |
| SA3#114 | 2024-01-22 | 2024-01-26 | TBD |  | S3-114 |
| SA3#115 | 2024-02-26 | 2024-03-01 | TBD |  | S3-115 |
| SA3#116-(option 1) | 2024-05-13 | 2024-05-17 | TBD |  | S3-116 |
| SA3#116-(option 2) | 2024-05-20 | 2024-05-24 | TBD |  | S3-116 |
| SA3#117 | 2024-08-26 | 2024-08-30 | TBD |  | S3-117 |
| SA3#118 | 2024-10-07 | 2024-10-11 | TBD |  | S3-118 |
| SA3#119 | 2024-11-11 | 2024-11-15 | TBD |  | S3-119 |