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| **Agenda** | **Topic** | **TDoc** | **Title** | **Source** | **Type** | **Notes** | **Decision** | **Replaced-by** |
| 1 | Agenda and Meeting Objectives | S3‑221710 | Agenda | SA WG3 Chair | agenda | >>CC\_1<<  Chair proposes approved after 1st challenge deadline  >>CC\_1<< | available |  |
|  |  | S3‑221712 | Report from SA3#107e ad-Hoc | SA WG3 Chair | other | >>CC\_1<<  Chair proposes noted after 1st challenge deadline  >>CC\_1<< | available |  |
|  |  | S3‑221713 | Process for SA3#108e | SA WG3 Chair | other | >>CC\_1<<  Chair proposes noted after 1st challenge deadline  >>CC\_1<< | available |  |
|  |  | S3‑221716 | Process and agenda planning for SA3#108e | SA WG3 Chair | other | >>CC\_1<<  Chair proposes noted after 1st challenge deadline  >>CC\_1<< | available |  |
| 2 | Meeting Reports | S3‑221711 | Report from SA3#107e | MCC | report | >>CC\_1<<  Chair proposes noted after 1st challenge deadline  >>CC\_1<< | available |  |
|  |  | S3‑221714 | Report from last SA | SA WG3 Chair | report | >>CC\_1<<  Chair proposes noted after 1st challenge deadline  >>CC\_1<< | available |  |
|  |  | S3‑221715 | Meeting notes from SA3 leadership | MCC | report |  | reserved |  |
| 3 | Reports and Liaisons from other Groups | S3‑221745 | TCG progress - report from TCG rapporteur | InterDigital, Inc. | other | >>CC\_1<<  [Interdigital] presents  >>CC\_1<< | available |  |
|  |  | S3‑221718 | Reply LS on EPS fallback enhancements | C1-223535 | LS in | >>CC\_1<<  Chair proposes noted after 1st challenge deadline  >>CC\_1<< | available |  |
|  |  | S3‑221719 | LS on user’s consent for EDGEAPP | C3-223780 | LS in | >>CC\_1<<  VC presents  >>CC\_1<< | available |  |
|  |  | S3‑221964 | [DRAFT] Reply LS on user’s consent for EDGEAPP | Ericsson | LS out | >>CC\_1<<  [Ericsson] presents status.  [VF] SA6 has lastest LS, should be taken into consideration.  Chair asks Ericsson to hold the pen and lead the discussion as Huawei has no reply the call.  >>CC\_1<< | available |  |
|  |  | S3‑222089 | Reply LS on User Consent for EDGEAPP | Huawei, HiSilicon | LS out | >>CC\_1<<  >>CC\_1<<  [Ericsson] : proposes to merge this contribution into 221964 and continue the discussion in 221964 email thread | available |  |
|  |  | S3‑221976 | LS reply to 3GPP on Alignment of EDGEAPP and ETSI MEC | ETSI ISG MEC | LS in | >>CC\_1<<  VC presents.  Chair proposes noted after 1st challenge deadline  >>CC\_1<< | available |  |
|  |  | S3‑221734 | LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network | S6-221953 | LS in | >>CC\_1<<  [CMCC] presents  >>CC\_1<< | available |  |
|  |  | S3‑222038 | draft-Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network | Intel | LS out | >>CC\_1<<  [Intel] presents.  [KPN] comments, needs to discuss further through email.  [Intel] replies.  [CMCC] is general agreed with Intel, and ok to discuss further as KPN suggested.  Chair request to Intel to hold pen on reply LS, have further discussion on content.  >>CC\_1<<  [Nokia]: agrees with the proposal from Intel.  [KPN:] Objects against this reply LS.  [Ericsson] : Comments  [Intel]: uploads r1  [CMCC]: supports r1.  [Nokia]: supports -r1 | available |  |
|  |  | S3‑221720 | LS on CT specification on Control Plane based security procedures for 5G ProSe UE-to-Network Relay | CP-221322 | LS in | >>CC\_1<<  Chair proposes to continue discussion  >>CC\_1<< | available |  |
|  |  | S3‑221735 | Reply LS on 5G ProSe security open items | SP-220716 | LS in | >>CC\_1<<  VC presents  >>CC\_1<< | available |  |
|  |  | S3‑221732 | LS on 5G ProSe security open items | S2-2204904 | LS in | >>CC\_1<<  VC presents  [Interdigital] asks to open draft reply LS 1758  >>CC\_1<< | available |  |
|  |  | S3‑221721 | LS to 3GPP on user plane security | GSMA | LS in | >>CC\_1<<  [Nokia] presents  >>CC\_1<< | available |  |
|  |  | S3‑222132 | UP IP security | China Mobile | CR | [Nokia]: proposes to merge with S3-221789 and focus on improving TS 33.501 to cover N9 protection accordingly.  [CMCC]: Agree to merge.  [Nokia]: thread is closed, discussion continues in S3-221789 | available |  |
|  |  | S3‑222131 | LS reply on User plane security | China Mobile | LS out | [Nokia]: proposes to merge with S3-221788 and focus on improving TS 33.501 to cover N9 protection accordingly.  >>CC\_1<<  [CMCC] volunteer to hold the pen.  Chair is ok to let CMCC to hold the pen and request to keep everyone inline.  >>CC\_1<<  [Nokia]: accepts that China Mobile answers the LS as discussed in the conference call, and adds some observations to be considered. | available |  |
|  |  | S3‑221788 | LS reply on user plane security | Nokia, Nokia Shanghai Bell | LS out |  | available |  |
|  |  | S3‑221722 | LS on 3GPP TS 29.244 | BBF | LS in |  | available |  |
|  |  | S3‑221723 | East/West Bound Interface for Telco Edge consideration | GSMA | LS in | >>CC\_1<<  [Nokia] presents.  >>CC\_1<< | available |  |
|  |  | S3‑221790 | LS reply on East/West Bound Interface for Telco Edge consideration | Nokia, Nokia Shanghai Bell | LS out | [Ericsson] : Propose minor update before approval  [Huawei] ask for clarifications  [Nokia]: provides clarifications | available |  |
|  |  | S3‑221724 | LS on UE’s LTE UPIP capability for EN-DC | R3-223915 | LS in | [Huawei] Propose to reply and use 2063 as the baseline.  >>CC\_1<<  VC presents.  >>CC\_1<< | available |  |
|  |  | S3‑222063 | Reply LS on UE’s LTE UPIP capability for EN-DC | Huawei, HiSilicon | LS out | >>CC\_1<<  Move to AI#3  Chair asks Huawei to hold the pen and set 2063 as baseline.  >>CC\_1<< | available |  |
|  |  | S3‑221914 | Reply LS on UE’s LTE UPIP capability for EN-DC | Ericsson | LS out | [Huawei] Propose to merge in 2063, move the discussion there and close this thread.  [Ericsson] We are fine with merging LS reply in S3-221914 into 2063, and close this thread.  >>CC\_1<<  Move to AI#3  >>CC\_1<< | available |  |
|  |  | S3‑221725 | Reply LS on User Consent Updating | R3-224076 | LS in | >>CC\_1<<  VC presents  [Huawei] proposes to noted  Chair proposes noted after 1st challenge deadline  [Ericsson] proposes to noted  >>CC\_1<< | available |  |
|  |  | S3‑221726 | Reply LS on UE capabilities indication in UPU | S2-2204722 | LS in | >>CC\_1<<  Chair proposes noted after 1st challenge deadline  >>CC\_1<< | available |  |
|  |  | S3‑221727 | LS on Joint CC for support of LI at HO for S8 Home routing | S2-2204731 | LS in | >>CC\_1<<  Chair proposes noted after 1st challenge deadline  >>CC\_1<< | available |  |
|  |  | S3‑221728 | Reply LS on the impact of MSK update on MBS multicast session update procedure | S2-2204741 | LS in | >>CC\_1<<  VC presents  Chair asks whether there is draft reply  [Huawei] can draft a reply in this meeting but related CR may be made in next meeting  Chair asks Huawei to hold the pen.  >>CC\_1<<  [Huawei]: Provides r1. | available |  |
|  |  | S3‑221729 | Reply LS on Clarifications on Nmbstf\_MBSDistributionSession service | S2-2204742 | LS in | >>CC\_1<<  Chair proposes to continue discussion  >>CC\_1<<  [Huawei]: Propose to note the contribution. | available |  |
|  |  | S3‑221730 | LS OUT on Indication of Network Assisted Positioning method | S2-2204744 | LS in | >>CC\_1<<  [QC] presents and proposes to noted .  [Huawei] agrees with QC and just simply noted.  Chair proposes noted after 1st challenge deadline  >>CC\_1<<  [Nokia] Propose to note the LS  [Huawei] agree with Nokia to note the LS.  [Qualcomm] also agree to note the LS. | available |  |
|  |  | S3‑221731 | LS OUT on alignment of non-seamless NSW handling | S2-2204752 | LS in | >>CC\_1<<  [Nokia] presents.  >>CC\_1<<  [Nokia] Propose to note the LS  [Nokia] Propose to send the LS reply and we have prepared the LS reply “S3-221778 {https://www.3gpp.org/ftp/TSG\_SA/WG3\_Security/TSGS3\_108e/Docs/S3-221778.zip} ” | available |  |
|  |  | 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 | ITU-T Study Group 17 | LS in | >>CC\_1<<  VC presents  >>CC\_1<< | available |  |
|  |  | 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 | LS in | >>CC\_1<<  VC presents  >>CC\_1<< | available |  |
|  |  | S3‑221740 | Facilitating roaming adoption across 3GPP NPN deployments | WBA OpenRoaming Technical Standards Task Group | LS in | >>CC\_1<<  [Intel] presents  [Nokia] comments there is no issue, the key point is whether open-roaming architecture should be considered in 3gpp.  [Intel] agrees there is no issue  [VF] comment. Don’t understand the changes on the background.  [Cisco] comments  [Ericsson] comments further clarification are needed, doesn’t understand the issue.  [VF] asks clarification question to Cisco  [Huawei] comments to keep it open.  [Cisco] clarifies.  >>CC\_1<< | available |  |
|  |  | S3‑222040 | draft-Reply LS on Facilitating roaming adoption across 3GPP NPN deployments | Intel | LS out | >>CC\_1<<  [Intel] presents  >>CC\_1<<  [Ericsson]: requires updates | available |  |
|  |  | S3‑221738 | LS on authentication type and related information of MSGin5G service | C1-223957 | LS in |  | withdrawn |  |
|  |  | S3‑221789 | User plane security for Non-SBA based interfaces | Nokia, Nokia Shanghai Bell | CR |  | available |  |
| 4 | Work areas (Rel-18) |  |  |  |  |  |  |  |
| 4.1 | New WID on Security Assurance Specification for Management Function (MnF) | S3‑221937 | TS33.526 MnF threats | Huawei, Hisilicon | pCR | [Ericsson]:revision needed.  [Huawei] clarify this is intended to the MnF annex in the living document | available |  |
|  |  | S3‑221938 | TS33.526 Mnf\_test cases | Huawei, Hisilicon | pCR | [Ericsson]: changes needed | available |  |
|  |  | S3‑222114 | Update clause 4.2.3 | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑222115 | Update clause 4.2.4 | Huawei, HiSilicon | pCR | [Ericsson]: more info needed | available |  |
|  |  | S3‑222116 | Update clause 4.2.5, and 4.2.6 | Huawei, HiSilicon | pCR | [Ericsson]: changes needed | available |  |
|  |  | S3‑222117 | Add new content for clause 4.3 | Huawei, HiSilicon | pCR | [Ericsson]: changes needed  [Huawei] propose to withdraw this document | available |  |
|  |  | S3‑222118 | Add new content for clause 4.4 | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑222119 | Living document for MnF SCAS | Huawei, HiSilicon | draftCR |  | available |  |
|  |  | S3‑222122 | add a new requirement and test case | Huawei, HiSilicon | pCR | [Ericsson]: changes needed | available |  |
| 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 | China Mobile | pCR | [Ericsson]: question  [CMCC] provides clarification.  [Ericsson]: comment  [CMCC] provides further clarification. | available |  |
|  |  | S3‑222145 | Adding Scope of SECAM for 3GPP virtualized network products of type 1 into clause 4 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222146 | Adding Scope of SECAM for 3GPP virtualized network products of type 2 into clause 4 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222147 | Adding Scope of SECAM for 3GPP virtualized network products of type 3 into clause 4 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222148 | Adding Scope of SECAM evaluation for type 1 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222149 | Adding Scope of SECAM evaluation for type 2 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222150 | Adding Scope of SECAM evaluation for type 3 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222151 | Adding Scope of SECAM accreditation for type 1 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222152 | Adding Scope of SECAM accreditation for type 2 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222153 | Adding Scope of SECAM accreditation for type 3 of 3GPP virtualized network products into clause 4 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222154 | Adding contents of chapters 4.5 about type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222155 | Adding contents of chapters 4.5 about type 2 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222156 | Adding contents of chapters 4.5 about type 3 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222157 | Adding contents of chapters 4.6 for type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222158 | Adding contents of chapters 4.6 for type 2 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222159 | Adding contents of chapters 4.6 for type 3 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222160 | Adding contents of chapters 4.7 for type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222161 | Adding contents of chapters 4.7 for type 2 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222162 | Adding contents of chapters 4.7 for type 3 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222163 | Adding contents of chapters 4.8 for type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222164 | Adding contents of chapters 4.8 for type 2 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222165 | Adding contents of chapters 4.8 for type 3 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222166 | Adding contents of chapters 4.9 for type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222167 | Adding contents of chapters 4.9 for type 2 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222168 | Adding contents of chapters 4.9 for type 3 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222169 | Adding contents of chapters 4.10 for type 1 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222170 | Adding contents of chapters 4.10 for type 2 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222171 | Adding contents of chapters 4.10 for type 3 of 3GPP virtualized network product in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222172 | Adding content to clause 5.1 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222173 | Adding description about general content of SCAS document and ToE to clause 5.2 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222174 | Adding description about SPD to clause 5.2 in TR33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222175 | Adding description about methodology of security requirements to clause 5.2 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222176 | Adding description about improvement of SCAS and new potential security requirements to clause 5.3 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222177 | Adding description about basic vulnerability testing requirements for GVNP to clause 5.4 in TR 33.936 | China Mobile | pCR |  | available |  |
|  |  | S3‑222178 | Proposal to add overview in clause 4 Generic Virtulizated Network Product (GVNP) class for type 1 in TR 33.927 | China Mobile | pCR |  | available |  |
|  |  | S3‑222179 | Proposal to add overview in clause 4 Generic Virtulizated Network Product (GVNP) class for type 2 in TR 33.927 | China Mobile | pCR |  | available |  |
|  |  | S3‑222180 | Proposal to add overview in clause 4 Generic Virtulizated Network Product (GVNP) class for type 3 in TR 33.927 | China Mobile | pCR |  | available |  |
|  |  | S3‑222181 | Proposal to add clause 4.2 Minimum set of functions defining the GVNP class in TR 33.927 | China Mobile | pCR |  | available |  |
|  |  | S3‑222182 | Proposal to add introduction in clause 4.3 Generic virtualized network product model for type 1 in TR33.927 | China Mobile | pCR |  | available |  |
|  |  | S3‑222183 | Proposal to add introduction in clause 4.3 Generic virtualized network product model for type 2 in TR33.927 | China Mobile | pCR |  | available |  |
|  |  | S3‑222184 | Proposal to add introduction in clause 4.3 Generic virtualized network product model for type 3 in TR33.927 | China Mobile | pCR |  | available |  |
|  |  | S3‑222185 | Proposal to add GVNP model of type 1 in TR 33.927 | China Mobile | pCR |  | available |  |
|  |  | S3‑222186 | Proposal to add GVNP model of type 2 in TR 33.927 | China Mobile | pCR |  | available |  |
|  |  | S3‑222187 | Proposal to add GVNP model of type 3 in TR 33.927 | China Mobile | pCR |  | available |  |
| 4.3 | New WID on Mission critical security enhancements phase 3 | S3‑221750 | [33.180] R18 MC client clarification | Motorola Solutions Danmark A/S | CR | [Nokia]: proposes to handle the issue of the CR in a more “elegant” way. | available |  |
| 4.4 | New WID on Security Assurance Specification (SCAS) for 5G Rel-17 Features | S3‑221753 | New test case to cover the AAnF provisioning | Keysight Technologies UK Ltd | CR |  | withdrawn |  |
|  |  | S3‑221875 | Add a test case in TS 33.216 | ZTE Corporation | draftCR | [Ericsson]: proposes to note the contribution | available |  |
|  |  | S3‑221939 | new threat for KAUSF handling | Huawei,HiSilicon | draftCR | [Ericsson]: Proposed to note the document. | available |  |
|  |  | S3‑221940 | token verification modification to include SNPN snenario | Huawei,HiSilicon | draftCR | [Ericsson]: Propose to note the document. | available |  |
|  |  | S3‑221941 | PLMNID verification modification to include SNPN scenario | Huawei,HiSilicon | draftCR | [Ericsson]: Proposed to note the document. | available |  |
|  |  | S3‑222098 | supporting UP IP at eNB | Huawei, HiSilicon | draftCR | [Nokia]: proposes minor update before approval | available |  |
|  |  | S3‑222099 | UP IP policy selection-R18 | Huawei, HiSilicon | draftCR | [Nokia]: proposes minor update before approval | available |  |
|  |  | S3‑222100 | locally UP IP supporting at eNB | Huawei, HiSilicon | draftCR | [Nokia]: proposes minor update before approval | available |  |
|  |  | S3‑222102 | draft CR to 33.926 on locally UP IP supporting at eNB | Huawei, HiSilicon | draftCR |  | available |  |
|  |  | S3‑222103 | draft CR to 33.926 on UP IP policy selection at eNB | Huawei, HiSilicon | draftCR |  | available |  |
|  |  | S3‑222104 | Living document to TR 33.926 for SCAS 5G Ph2 | Huawei, HiSilicon | draftCR |  | available |  |
|  |  | S3‑222105 | update testcase in clause 4.2.3.2.4 | Huawei, HiSilicon | draftCR |  | available |  |
|  |  | S3‑222106 | Update requirement and add new test case to clause 4.2.3.4.3.1 | Huawei, HiSilicon | draftCR |  | available |  |
|  |  | S3‑222107 | Update requirement and add new test case to clause 4.2.3.4.3.2 | Huawei, HiSilicon | draftCR |  | available |  |
| 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 | Keysight Technologies UK Ltd | pCR |  | available |  |
|  |  | S3‑221876 | Adding AAnF critical assets to TS 33.926 | ZTE Corporation | draftCR | [Ericsson]: Proposes changes. | available |  |
|  |  | S3‑221877 | Adding AKMA subscription asynchronization threats to TS 33.926 | ZTE Corporation | draftCR | [Ericsson]: requests for clarifications. | available |  |
|  |  | S3‑221878 | Security Assurance Requirement and Test for AKMA subscription synchronization in the AAnF | ZTE Corporation | pCR | [Ericsson]: requests for clarifications. | available |  |
|  |  | S3‑222108 | AAnF authorized the AF | Huawei, HiSilicon | pCR | [Ericsson]: proposes to note. The test is functionality test for the SBA local policy/static authorization. | available |  |
|  |  | S3‑222109 | NEF authorized the AF | Huawei, HiSilicon | pCR | [Ericsson]: proposes to note. The test is functionality test for the NEF local policy/static authorization. | available |  |
|  |  | S3‑222110 | AAnF replies error response | Huawei, HiSilicon | pCR | [Ericsson]: asks for clarifications. | available |  |
|  |  | S3‑222111 | draft CR to 33.926 on AAnF authorizes the AF | Huawei, HiSilicon | draftCR | [Ericsson]: Proposes to note. | available |  |
|  |  | S3‑222112 | draft CR to 33.926 on NEF authorizes the AF | Huawei, HiSilicon | draftCR | [Ericsson]: Proposes to note. | available |  |
|  |  | S3‑222113 | draft CR to 33.926 on error response | Huawei, HiSilicon | draftCR | [Ericsson]: asks for clarifications. | available |  |
|  |  | S3‑222134 | Introduction of AAnF-specific security requirements and related test cases | China Mobile | pCR |  | available |  |
|  |  | S3‑222135 | General description of clause 4.2.2 | China Mobile | pCR |  | available |  |
|  |  | S3‑222136 | Adding AAnF critical assets and threats to TS 33.926 | China Mobile | draftCR | [Ericsson]: requests for clarifications. | available |  |
|  |  | S3‑222137 | Adding a test case of AKMA key strorage and update | China Mobile | pCR | [Ericsson]: requests for clarifications. | available |  |
|  |  | S3‑222138 | Adding technical baseline text | China Mobile | pCR |  | available |  |
|  |  | S3‑222139 | Adding text to clause 4.2.4 | China Mobile | pCR | [Keysight]: Propose to merge with S3-221752 | available |  |
|  |  | S3‑222140 | Adding text to clause 4.2.5 | China Mobile | pCR | [Keysight]: Propose to merge with S3-221752 | available |  |
|  |  | S3‑222141 | Adding text to clause 4.2.6 | China Mobile | pCR |  | available |  |
|  |  | S3‑222142 | Living document for AAnF SCAS – draftCR to TR 33.926 | China Mobile | draftCR |  | available |  |
|  |  | S3‑221754 | New test case to cover the AAnF provisioning | Keysight Technologies UK Ltd | CR | >>CC\_1<<  Move to AI#AAnf-scas  >>CC\_1<<  MCC pointed out some corrections on the cover page and in the text.  Keysight: Provides solution in r1  Chair: This Tdoc was submitted wrongly to 4.9, belongs to agenda 4.5 SCAS for AAnF, it has been moved over 4.5, please discuss over 4.5.  Keysight: This test case affects AUSF  [Huawei]: propose to discuss in AI 4.4 | available |  |
| 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 | Qualcomm Incorporated | discussion |  | available |  |
|  |  | S3‑221814 | Introducing split gNBs into TR 33.926 | Qualcomm Incorporated | draftCR |  | available |  |
|  |  | S3‑221815 | Proposed text for gNB-CU part of draft CR to TR 33.926 | Qualcomm Incorporated | other | [Huawei]: typo needs to be fixed. | available |  |
|  |  | S3‑221816 | Proposed text for gNB-CU-CP part of draft CR to TR 33.926 | Qualcomm Incorporated | other | [Huawei]: ask for clarification and revision. | available |  |
|  |  | S3‑221817 | Proposed text for gNB-CU-UP part of draft CR to TR 33.926 | Qualcomm Incorporated | other | [Huawei]: Revision is required. | available |  |
|  |  | S3‑221818 | Proposed text for gNB-DU part of draft CR to TR 33.926 | Qualcomm Incorporated | other | [Huawei]: Revision is required before approval. | available |  |
|  |  | S3‑221819 | Discussion paper on 33.501 test cases for TS 33.742 SCAS for split gNB | Qualcomm Incorporated | discussion |  | available |  |
|  |  | S3‑221820 | Proposed text for gNB-CU test cases from TS 33.501 for TS 33.742 | Qualcomm Incorporated | pCR | [Huawei]: Revision is required before approval. | available |  |
|  |  | S3‑221821 | Proposed text for gNB-CU-CP test cases from TS 33.501 for TS 33.742 | Qualcomm Incorporated | pCR | [Huawei]: Revision is required before it is acceptable. | available |  |
|  |  | S3‑221822 | Proposed text for gNB-CU-UP test cases from TS 33.501 for TS 33.742 | Qualcomm Incorporated | pCR | [Huawei]: Revision is needed. | available |  |
|  |  | S3‑221823 | Proposed text for gNB-DU test cases from TS 33.501 for TS 33.742 | Qualcomm Incorporated | pCR | [Huawei]: Revision and clarification is needed. | available |  |
|  |  | S3‑221824 | Proposed corrections for TS 33.742 | Qualcomm Incorporated | pCR |  | available |  |
| 4.7 | Service Based Architecture (Rel-15/16/17) | S3‑221771 | Discussion on authorization issue in inter NF mobility | Nokia, Nokia Shanghai Bell | discussion | >>CC\_1<<  [Nokia] presents.  >>CC\_1<<  [Mavenir]: As usual, this is a discussion paper to be noted but Mavenir still ask few clarifications as they are applicable .  [Nokia]: Nokia provides clarification | available |  |
|  |  | S3‑221772 | Clarification on authorization for inter NF mobility | Nokia, Nokia Shanghai Bell | CR | >>CC\_1<<  [Nokia] presents.  [Ericsson] comments, proposes to understand the issue in this meeting and solve it in next meeting.  [Nokia] clarifies  >>CC\_1<<  [Mavenir]: propose that this CR is to be noted  [Nokia]: Provide clarification on this discussion paper and don't agree to note the contribution | available |  |
|  |  | S3‑221881 | Verification of NSSAIs for preventing slice attack | ZTE Corporation | draftCR | [Ericsson]: not agreeable in its current form  [ZTE]: Note it and discuss in 1786 thread | available |  |
|  |  | S3‑221786 | Verification of NSSAIs for preventing slice attack | CableLabs, Ericsson,Nokia, Nokia Shanghai Bell | CR | >>CC\_1<<  [Nokia] presents status.  [ZTE] will provide comments via email.  [Huawei] comments there are 2 pending issues, asks whether there is relation with study work.  [CableLabs] clarifies.  [Huawei] comments there are two releases.  [Huawei] it is not good to maintanence. The issue is for R18 but the CR for R17.  [Ericsson] clarifies.  [CableLabs] clarifies  [Mavenir] comments  [Nokia] clarifies the motivation about this CR, from CVD, not too much relation with study.  [CableLabs] clarifies it is agreed as a draftCR and this is a transform.  [Nokia] asks to clarify the rule for draftCR  Chair clarifies draftCR need to be submitted as a CR to be approved..  >>CC\_1<<  MCC pointed out that there was a missing mirror for this CR.  [Mavenir]: Before agreeing to this CR, Mavenir has comments and require answers/clarifications  [Huawei] : Request clarification on the Releases, and the overlapping with the eSBA SID.  [ZTE]: Provide comments.  [Huawei] : reply to ZTE. | available |  |
|  |  | S3‑221840 | TargetNFServiceSetId to be part of access token claims | Nokia, Nokia Shanghai Bell | CR | >>CC\_1<<  [Nokia] presents.  [Ericsson] comments  [Huawei] challenges the proposal.  [Mavenir] comments.  [Nokia] clarifies.  [Verizon] comments.  >>CC\_1<<  [Mavenir]: propose that this CR is to be noted  [Huawei] : Propose to note this CR. | available |  |
|  |  | S3‑221841 | Clarification on N32-f connection establishment with TLS | Nokia, Nokia Shanghai Bell | CR | [Ericsson]: generally supportive, but updates are required | available |  |
|  |  | S3‑221842 | pSEPP authorization fo PLMN ID in access token for TLS | Nokia, Nokia Shanghai Bell | CR | [Ericsson]: Requires updates, the check applies for TLS as well.  [Nokia]: proposes update by mail.  [Ericsson]: agrees with Nokia’s proposed update with minor updates  [Mavenir]: disagree with the minor change E/// proposes as it changed the meaning. Correcting text  [Huawei] : Propose new changes.  [Nokia]: proposes update. -r1 uploaded.  [Huawei] : Reply to NOKIA. | available |  |
|  |  | S3‑221866 | DraftCR NRF deployments | Nokia, Nokia Shanghai Bell, Ericsson, Mavenir, Huawei, HiSilicon | draftCR |  | available |  |
|  |  | S3‑221867 | CR NRF deployments | Nokia, Nokia Shanghai Bell, Ericsson, Mavenir, Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑221983 | Discussion on the SAN and SBA certificate profiles | Ericsson | discussion |  | available |  |
|  |  | S3‑221984 | Clarification on the format of callback URI in the NF certificate profile | Ericsson | CR |  | available |  |
|  |  | S3‑221985 | Clarification on the format of callback URI in the NF certificate profile | Ericsson | CR |  | available |  |
|  |  | S3‑221986 | Clarification on the certificate profile for SCP | Ericsson, Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑221987 | Clarification on the certificate profile for SCP | Ericsson, Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑221988 | Clarification on the certificate profile for SEPP | Ericsson | CR |  | available |  |
|  |  | S3‑221989 | Clarification on the certificate profile for SEPP | Ericsson | CR |  | available |  |
|  |  | S3‑221990 | Review request of an IETF draft on X.509 Certificate Extension for 5G Network Function Types | Ericsson | discussion |  | available |  |
|  |  | S3‑221991 | Clarification of SNI usage for NF clients and servers | Ericsson | CR | [Mavenir]: Requests clarification before approval  [Ericsson]: provides clarification to Mavenir | available |  |
|  |  | S3‑221992 | Clarification on OAuth 2.0 in interconnect and roaming scenarios | Ericsson | discussion | [Huawei]: ask for clarification | available |  |
|  |  | S3‑221993 | Clarification on OAuth2.0 in interconnect and roaming scenarios, alternative 1 | Ericsson | CR | [Mavenir]: proposes editorial changes for clarity otherwise, it is good.  [Ericsson]: provides r1 with Mavenir’s proposed editorial changes  [Huawei]: have discussion under S3-221992 first and make decisions on this CR accordingly | available |  |
|  |  | S3‑221994 | Clarification on OAuth2.0 in interconnect and roaming scenarios, alternative 2 | Ericsson | CR | [Mavenir]: proposes note this CR.  [Huawei]: have discussion under S3-221992 first and make decisions on this CR accordingly | available |  |
|  |  | S3‑221995 | Authorization between SCPs: Alignment with CR 1414 | Ericsson | CR | [Nokia]: objects frozen Rel-16 change. Suggest to align Rel-17 with text from Rel-16. | available |  |
|  |  | 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 | CR | [Nokia]: comments, update needed.  [Ericsson]: asks Nokia to clarify  [Mavenir]: proposes to NOTE this CR. | available |  |
|  |  | 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 | CR | [Mavenir]: This is a mirror of Rel-16 CR and proposes to NOTE this CR. | available |  |
|  |  | S3‑221998 | SEPP to include and verify the source PLMN-ID | Ericsson, Nokia, Nokia Shanghai Bell, Mavenir | draftCR | [Huawei] : Ens in the draftCR depends on the feedback from SA2 and CT4.  [Ericsson]: This draftCR was approved at SA3#107-e and is submitted as living document. | available |  |
|  |  | S3‑222028 | Adding optional use of CCA for delegated discovery | China Telecommunications, Nokia, Nokia Shanghai Bell | CR | [Ericsson]: not agreeable in its current form, should be discussed as new feature for Rel-18  [China Telecom]: provides clarification  [Huawei] support the contribution and would like to co-sign | available |  |
|  |  | S3‑222031 | Adding optional use of CCA for delegated discovery(mirror) | China Telecommunications, Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑222033 | Revise the pre-requisite of access token request | China Telecommunications | CR | [Mavenir]: proposes to NOTE this CR. | available |  |
|  |  | S3‑222034 | Revise the pre-requisite of access token request(mirror) | China Telecommunications | CR | [Mavenir]: This is a mirror of S3-222033 and proposes to NOTE this CR. | available |  |
|  |  | S3‑222035 | Revise the subject that performs verificaiton of access token | China Telecommunications | CR |  | available |  |
|  |  | S3‑222036 | Revise the subject that performs verificaiton of access token(mirror) | China Telecommunications | CR |  | available |  |
| 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 | InterDigital, Europe, Ltd. | LS out | >>CC\_1<<  Related with 1735 and 1732  [Interdigital] presents  >>CC\_1<< | available |  |
|  |  | S3‑222030 | CR to TS33.503 Update Abbreviations | CATT | CR |  | available |  |
|  |  | S3‑222027 | CR to TS33.503 Define reference point for PAnF | CATT | CR | [Nokia]: fine with question | available |  |
|  |  | S3‑221834 | Updates on Open 5G ProSe Direct Discovery | Qualcomm Incorporated | CR |  | available |  |
|  |  | S3‑221835 | Updates on Restricted 5G ProSe Direct Discovery | Qualcomm Incorporated | CR | [Huawei, HiSilicon]: This contribution needs revision before approve. | available |  |
|  |  | S3‑221910 | Clarifications of general description to Restricted 5G ProSe Direct Discovery | Ericsson | CR |  | available |  |
|  |  | S3‑221975 | Correction figure in 5G ProSe Discoervery in TS33.503 | China Telecom Corporation Ltd. | CR |  | available |  |
|  |  | S3‑222023 | CR to TS33.503 Clean up clause 6.1.3.2.2 | CATT | CR | [Nokia]: ask clarification | available |  |
|  |  | S3‑222198 | Updates to U2N Relay Discovery Security Procedure | Xiaomi Technology | CR | [Nokia]: ask clarification | available |  |
|  |  | S3‑222199 | DDNMF Selection during U2N Relay Discovery Security Procedure | Xiaomi Technology | CR | [Nokia]: provide comments | available |  |
|  |  | S3‑222200 | Match Report in U2N Relay Discovery Security Procedure | Xiaomi Technology | CR | [Nokia]: ask clarification | available |  |
|  |  | S3‑222202 | Security Method Check during U2N Relay Discovery Procedure | Xiaomi Technology | CR | [Nokia]: provide comments  [Huawei, HiSilicon]: This contribution requires further clarification before approve. | available |  |
|  |  | S3‑221760 | CP-UP Security Procedure selection | InterDigital, Europe, Ltd. | CR | MCC pointed out a couple of issues on the cover page.  [Nokia]: propose merge and provide comments.  [Interdigital]: fixed subject. Closing thread. Discussion to continue under merger 2074. | available |  |
|  |  | S3‑222074 | Resolution of the issue of authentication mechanism selection | Huawei, HiSilicon | CR | [Nokia]: propose merge and provide comments.  [Huawei, HiSilicon]: Fine to merge with 1760 and reply to Nokia.  [Nokia]: Provide further comment.  [Interdigital]: OK with merger of 1760 in 2074.  [Huawei, HiSilicion]: Provides r1 and reply to Nokia. | available |  |
|  |  | S3‑222124 | Clarification on ID handling at AMF and 5G PKMF | Huawei, HiSilicon | CR | [Ericsson] : ask questions  [Nokia] : suggest to leave to stage 3 | available |  |
|  |  | S3‑222196 | CR to TS33.503 Modify clause and figure titles for U2N relay clauses | CATT | CR |  | available |  |
|  |  | S3‑222201 | Updates to Key Definitions | Xiaomi Technology | CR |  | available |  |
|  |  | S3‑221746 | Clarification on NAI format for PRUK ID | ZTE Corporation | CR | [Ericsson] : we propose to note  [Philips] provides opinion.  [ZTE]: Provide clarification. | available |  |
|  |  | S3‑221748 | HPLMN ID of Remote UE in Remote UE Report message | Ericsson | CR |  | available |  |
|  |  | S3‑221749 | Implementation correction of S3-221294 | Ericsson | CR | [CATT]: Merger plan: S3-221749 is the baseline for merging S3-221749 and S3-222026. | available |  |
|  |  | S3‑221909 | Correction to authorization based on RSC | Ericsson | CR |  | available |  |
|  |  | S3‑222026 | CR to TS33.503 Correct error in clause 6.3.3.2.2 | CATT | CR | [CATT]: Merger plan: S3-222026 is merged into S3-221749. | available |  |
|  |  | S3‑222204 | Security Method Check during UP-based U2N Relay Communication Establishment | Xiaomi Technology | CR | [Nokia]: provide comments  [Huawei, HiSilicon]: This contribution requires further clarification before approve.  [Ericsson]: provides comments | available |  |
|  |  | S3‑221759 | Support for Prose Secondary Authentication excluded from Rel-17 | InterDigital, Europe, Ltd., LG Electronics, Samsung | CR | MCC commented that it was asked by SA to remove the secondary authentication, so this note wasn’t enough. When a feature is not supported in a 3GPP release it is normally removed from the release.  [Nokia]: propose merge.  [Interdigital] replies  MCC commented that the removed text could be added later in Rel-18, so a draft CR for Rel-18 was a good idea to preserve the secondary authentication text.  >>CC\_2<<  CATT(Rapporteur) presents general status, there are 3 documents, to add NOTE rather than removal.  Chair asks MCC to give guidance on how to implement SA plenary requirement  MCC clarifies.SA plenary requires removal  [Interdigital] replies it is clear how to deal with it in R17, but not clear in R18, so a draft CR is helpful to keep the content.  [Huawei] has same concern with Interdigital  [CATT] asks whether a new WID is needed or not for draft CR.  [CATT] asks how to deal with R18 SID future work  [CMCC] suggests a way forward.  [IDCC] proposes a discussion paper to find a way forward  Chair suggests to have a mini WID for this specific issue.  [ZTE] comments 2nd authentication is in R18 SID scope, why a separate WID is needed.  [Oppo] suggests to record the conclusion in SID and do not need 2 WIDs.  [Ericsson] supports to 2 separate WID/SID.  [Huawei] doesn’t want to put current context into study.  [CATT] points out there are ENs to indicate that is a complete feature.  [IDCC] doesn’t want to make 2nd authentication interfere current SID. The mini WID can have a very clear scope.  Chair suggests to using current text, clean it up, and pack it and put it in R18 when the WID is approved.  [Huawei] supports to separate it and work into normative phase.  Chair proposes a working assumption as way forward: Convert existing Secondar authentication text as a draft CR. Handle the Rel-18 work as an independent mini WID for this feature, not coupled with ongoing study. Existing ENs in the current text will be resolved as per normal procedures, before adopting..  >>CC\_2<< | available |  |
|  |  | S3‑221879 | 5GPRUK refresh in clause 6.3.3.3.2 | ZTE Corporation | CR | [Xiaomi]: provides comments  [Nokia]: provides comments  [ZTE]: Provide clairfication. | available |  |
|  |  | S3‑221880 | Clarification on subscription update in clause 6.3.3.3.2 | ZTE Corporation | CR | [Ericsson] : asks questions  [ZTE]: Provide clarification.  [Nokia]: question for discussion.  [ZTE]: provide clarification.  [Huawei, HiSilicon]: requires clarification/revision before approve.  [ZTE]: provide r1. | available |  |
|  |  | S3‑221972 | Clarification for ProSe UE-to-Network Relay security procedure over Control Plane in TS33.503 | China Telecom Corporation Ltd. | CR | [Nokia]: Fine with minor comments  [ChinaTelecom]: Reply to comments. | available |  |
|  |  | S3‑221981 | Correction figure in ProSe UE-to-Network Relay security procedure over Control Plane in TS33.503 | China Telecom Corporation Ltd. | CR | [CATT]: Merger plan: S3-221981 is the baseline for merging S3-221981 and S3-222032. | available |  |
|  |  | S3‑222205 | Corrections in TS 33.503 | Xiaomi Technology | CR | [Nokia]: provide comments | available |  |
|  |  | S3‑222032 | CR to TS33.503 Update Figure 6.3.3.3.2-1 | CATT | CR | [CATT]: Merger plan: S3-222032 is merged into S3-221981. | available |  |
|  |  | S3‑222076 | Clarification on 5G ProSe Remote UE specific authentication mechanism | Huawei, HiSilicon | CR | [Ericsson] : needs updates before it can be agreed  [Interdigital] : revision required to be approved | available |  |
|  |  | S3‑222077 | Remote UE Report when security procedure over Control Plane is performed | Huawei, HiSilicon | CR | [Huawei, HiSilicon]: propose to merge contribution S3-222005 into S3-222077.  [Nokia]: Fine to merge with comments.  [Huawei, HiSilicon]: provides r1.  [Nokia]: provides comment on r1.  [Huawei, HiSilicon]: provides r2.  [Nokia]: fine with r2.  [Interdigital]: OK with r2. Remember to add merger info with 2005 in header | available |  |
|  |  | S3‑222203 | Security Method Check during CP-based U2N Relay Communication Establishment | Xiaomi Technology | CR | [Nokia]: provide comments  [Huawei, HiSilicon]: This contribution requires further clarification before approve.  [Ericsson]: provides comments | available |  |
|  |  | S3‑222078 | clarification on SUPI in Nudm\_UEAuthentication\_GetProseAv service | Huawei, HiSilicon | CR | [Nokia]: Provide comments  [Ericsson]: Provide comments  [Huawei, HiSilicon]: reply to Nokia. | available |  |
|  |  | S3‑222096 | Correction to Nausf\_UEAuthentication\_Authenticate service | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑221911 | Rename 5GPRUK ID and 5GPRUK in CP based solution | Ericsson | CR |  | available |  |
|  |  | S3‑222029 | CR to TS33.503 Remove secondary authentication related content | CATT | CR | [CATT]: Propose using S3-222029 as the baseline for merging S3-222029 and S3-222075.  [OPPO]: requires changes.  [Nokia]: propose merge.  [Interdigital]: not ok with straight deletion of the secondary authentication without knowing where to “park” the text in the mean time  >>CC\_2<<  [CATT] asks to keep reference even when secondary authentication is removed.  [Oppo] comments ref#12 could be used in other place.  Chair asks to check whether it is used in other place or not.  >>CC\_2<< | available |  |
|  |  | S3‑222075 | Delete of secondary authentication | Huawei, HiSilicon | CR | [CATT]: Propose using S3-222029 as the baseline for merging S3-222029 and S3-222075.  [Nokia]: propose merge.  [Huawei, HiSilicon]: ask for clarification.  [Nokia]: Answer question from Huawei  [Interdigital]: not ok with straight deletion of the secondary authentication without knowing where to “park” the text in the mean time | available |  |
|  |  | S3‑222079 | Add clause of broadcast communication | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑222080 | Add clause of groupcast communication | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑222005 | clarify Remote UE ID of Remote UE report for CP based security | Nokia, Nokia Shanghai Bell | CR | [Huawei, HiSilicon]: propose to merge contribution S3-222005 into S3-222077.  [Nokia]: close the thread as merged to 2077. | available |  |
|  |  | S3‑222121 | Clarification on ID handling at AMF and 5G PKMF | Huawei, HiSilicon | CR |  | withdrawn |  |
| 4.9 | All topics (Rel-15/16/17/18 ) | S3‑221741 | [33.180] R14 Incorrect Reference | Motorola Solutions Danmark A/S | CR |  | available |  |
|  |  | S3‑221742 | [33.180] R15 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | CR |  | available |  |
|  |  | S3‑221743 | [33.180] R16 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | CR |  | available |  |
|  |  | S3‑221744 | [33.180] R17 Incorrect Reference (mirror) | Motorola Solutions Danmark A/S | CR | [Nokia]: agrees that reference is wrong , but does not agree with resolution.  [MSI: Agrees to use Annex B.4 as the reference. | available |  |
|  |  | S3‑221747 | Address ENs related to sending UAV ID to UAV | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑221827 | Resolving the EN on CAA level ID during UUAA procedures | Qualcomm Incorporated | CR | [Huawei] This CR is not aligned with the stage-3 spec. proposes to use 1747 CR to resolve the EN. | available |  |
|  |  | S3‑221828 | Resolving the ENs on CAA level ID during revocation | Qualcomm Incorporated | CR | [Huawei] proposes to remove the EN as in 1747 CR. | available |  |
|  |  |  |  |  |  |  |  |  |
|  |  | S3‑221825 | Proposed correction to Annex D on gNB network product class | Qualcomm Incorporated | CR |  | available |  |
|  |  | S3‑221826 | Corrections for gNB test cases | Qualcomm Incorporated | CR |  | available |  |
|  |  | S3‑221886 | Adding a test case for gNB in TS 33.511 clause 4.2.2.1.4-R16 | ZTE Corporation | CR | MCC asked whether it was possible to keep adding new test cases in deeply frozen Releases (like Rel-16).  The cover page states that this is cat-B, it is not possible to present cat-B CRs for releases under rel-18.  MCC noticed that this group of CRs (886-888) was related to the changes proposed by the CRs in tdocs 889-891. This relationship should appear in the cover pages of both groups, using the field  Other specs  affected:  (show related CRs)  [Qualcomm] Test name is missing  [ZTE]: Will update it in the next version.  [Huawei]: does not agree with the change.  [ZTE]: provide clarification.  [Ericsson]: propose to note the document. | available |  |
|  |  | S3‑221887 | Adding a test case for gNB in TS 33.511 clause 4.2.2.1.4-R17 | ZTE Corporation | CR | [Huawei]: does not agree with the change.  [Ericsson]: propose to note the document. | available |  |
|  |  | S3‑221888 | Adding a test case for gNB in TS 33.511 clause 4.2.2.1.4-R18 | ZTE Corporation | CR | [Huawei]: does not agree with the change.  [Ericsson]: propose to note the document. | available |  |
|  |  | S3‑221942 | clarification on IP\_FWD\_DISABLING-R16 | Huawei,HiSilicon | CR | [Qualcomm] Added NOTE is in the wrong format and incorrect NOTE numbering  [Huawei] correct the format and the numbering and provide r1 | available |  |
|  |  | S3‑221943 | clarification on IP\_FWD\_DISABLING-R17 | Huawei,HiSilicon | CR |  | available |  |
|  |  | S3‑221944 | modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R16 | Huawei,HiSilicon | CR | [Qualcomm] No numbering of NOTES in CR  [Huawei] correct the numbering and provide r1 | available |  |
|  |  | S3‑221945 | modification on EXCLUSIVE\_EXECUTE\_RIGHTS-R17 | Huawei,HiSilicon | CR |  | available |  |
|  |  | S3‑221946 | modification on Handling of ICMP-R16 | Huawei,HiSilicon | CR | [Qualcomm] TS version is incorrect  [Huawei] correct the version and provide r2 | available |  |
|  |  | S3‑221947 | modification on Handling of ICMP-R17 | Huawei,HiSilicon | CR |  | available |  |
|  |  | S3‑221948 | modification on IP\_MULTICAST\_HANDLING-R16 | Huawei,HiSilicon | CR | [Qualcomm] No numbering of NOTES in CR  [Huawei] correct the numbering and provide r1  [Ericsson] This applicability should be under Pre-Conditions, not under Purpose. Needs new revision. | available |  |
|  |  | S3‑221949 | modification on IP\_MULTICAST\_HANDLING-R17 | Huawei,HiSilicon | CR | [Ericsson] This applicability should be under Pre-Conditions, not under Purpose. Needs a revision. | available |  |
|  |  | S3‑222024 | Discussion paper on improvements of TS33.117 | BSI (DE) | discussion | >>CC\_1<<  [BSI] presents, multiple clarifications needed, plan is to bring CRs in the next meeting.  [NTT Docomo] asks which release should be updated?  [BSI] has no hard proposal on which release.  [Chair] Please discuss applicable Rel over email.  >>CC\_1<< | available |  |
|  |  | S3‑221773 | Discussion on privacy issue in AKMA | Nokia, Nokia Shanghai Bell | discussion | >>CC\_1<<  [Nokia] presents  [Ericsson] doesn’t understand the issue.  [Nokia] clarifies.  [Huawei] has similar consideration with Ericsson, doesn’t consider the issue valid  >>CC\_1<<  [Ericsson]: Proposes to note the document. Requests for clarifications.  [Nokia]: Provide clarification  [Samsung] Agree with the threat proposed in this DP. | available |  |
|  |  | S3‑221882 | Add ApplicationKey\_ AnonUser\_Get into table 7.1.1-1 | ZTE Corporation | CR | [Nokia] Provide comments and suggest changes  [ZTE]: Provide R1.  [Nokia]: Fine with R1  [Ericsson]: Asks for clarifications.  [ZTE]: provide r2.  [Ericsson]: is fine with r2. | available |  |
|  |  | S3‑221883 | Add Context\_Remove into table 7.1.1-1. | ZTE Corporation | CR | [Ericsson]: Proposes not to pursue.  [ZTE]: provide r1. | available |  |
|  |  | S3‑221884 | Add UDM or OAM in clause 6.6.1and 6.7 | ZTE Corporation | CR | [Ericsson]: Proposes not to pursue.  [ZTE]: provide r1. | available |  |
|  |  | S3‑221885 | AKMA application context removal | ZTE Corporation | CR | [Nokia] Ask for clarification  [ZTE]: Provide clarification.  [Nokia] Fine with the clarification  [ZTE]: Provide more clarification.  [Ericsson]: Propose not to pursue. This procedure is not needed. | available |  |
|  |  | S3‑222014 | IETF OSCORE as AKMA Ua\* protocol | Ericsson, Deutsche Telekom | CR |  | available |  |
|  |  | S3‑222015 | Extending the Ua security protocol namespace to include the AKMA OSCORE Ua\* protocol | Ericsson, Deutsche Telekom | CR |  | available |  |
|  |  | S3‑222143 | AAnF sending GPSI to internal AKMA AF | China Mobile | CR | [Ericsson]: Proposes not to pursue. | available |  |
|  |  | S3‑222058 | Clarifications to TS 33.535 | Huawei, HiSilicon | CR | [Ericsson]: asks for clarifications. | available |  |
|  |  | S3‑221774 | Correction in UPU procedure to align with stage 3 | Nokia, Nokia Shanghai Bell | CR | [Huawei] Not OK with adding UPU header in MAC calculation since we cannot see the misalignment between SA3 and CT1 on this point.  [Nokia] Provide clarification  [Qualcomm] Not OK with CR as proposed as don’t agree with changes to MAC calculation and step 6  >>CC\_2<<  [Nokia] presents.  [QC] comments.  [Nokia] replies CT4 has changed the description. This is only an alignment CR with CT4.  [Huawei] comments current spec is very clear, header is not included in the MAC-I calculation and there is no security issue.  [NTT Docomo] comments CT4 didn’t change.  >>CC\_2<< | available |  |
|  |  | S3‑221775 | Correction in UPU procedure to align with stage 3 | Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑221776 | NSWO alignment for MSK and PMK | Nokia, Nokia Shanghai Bell, CableLabs | CR |  | available |  |
|  |  | S3‑221777 | Correction in AUSF api related to NSWO | Nokia, Nokia Shanghai Bell, CableLabs | CR | [Ericsson] Proposes to update the CR with UDM service API impacts and other missing AUSF service API parameters.  [Nokia] Agree with the comment and propose r1 | available |  |
|  |  | S3‑221778 | LS reply on 5G NSWO roaming aspects | Nokia, Nokia Shanghai Bell | LS out |  | available |  |
|  |  | S3‑222025 | Clarification on Authentication for UE behind 5G-RG and FN-RG | CableLabs | CR | [Huawei]: revision is needed before approval.  [Ericsson]: Propose to note | available |  |
|  |  | S3‑221795 | Include SN ID in NSSAA procedure in support of multiple registration | Huawei, Hisilicon | CR | MCC pointed out that the mirror for this CR was missing.  [Huawei] response to MCC. | available |  |
|  |  | S3‑221796 | Clean up to TR33874 | Huawei, Hisilicon | CR | MCC clarified that the scope of this TR was Rel-18, so the added conclusion should read something like “it is concluded that no normative work is recommended for the usage based NSAC issue under KI#2.”  [Huawei] r1 is provided according to MCC’s suggestion.  [Huawei] r1 is provided according to MCC’s suggestion.  [Huawei] r1 is provided according to MCC’s suggestion. | available |  |
|  |  | S3‑221797 | Address EN on alignment to SA2 | Huawei, Hisilicon | CR |  | available |  |
|  |  | S3‑221798 | LS to SA2 to align NSACF procedure | Huawei, Hisilicon | LS out |  | available |  |
|  |  | S3‑221799 | Address EN on AF Authorization | Huawei, Hisilicon | CR |  | available |  |
|  |  | S3‑222018 | Discussion on the authorization of Application Functions for NSACF services via the NEF | Ericsson | discussion | >>CC\_1<<  [Ericsson] presents  [Huawei] comments, has good summary of problem, but has different proposal on how to solve the issue, proposes to continue discussion via email.  >>CC\_1<<  [Huawei] proposes to note this discussion paper presented yesterday and continue discussions on respective CR threads. | available |  |
|  |  | S3‑222019 | Clarification on AF authorization for the NSACF notification procedure | Ericsson | CR |  | available |  |
|  |  | S3‑222020 | Alignment of NSACF notification procedure with existing procedures | Ericsson | CR |  | available |  |
|  |  | S3‑222235 | Resolving the alignment related EN for NSACF Subscription and unsubscription procedure | Xiaomi Communication | CR |  | available |  |
|  |  | S3‑222236 | Update Subscription and unsubscription procedure of NSACF notification service | Xiaomi Communication | CR |  | available |  |
|  |  | S3‑221874 | Secondary PDU re-authentication when UE is not reachable | Samsung | CR | >>CC\_1<<  [Samsung] presents.  [Huawei] comments, has different view on this issue. It should not be a cat-F CR, but a cat-B.  [Samsung] clarifies, just try to align with SA2/CT3  >>CC\_1<<  [Huawei] The CR is not needed.  [Samsung] provides clarification. | available |  |
|  |  | S3‑222228 | 33.501: R15 Update EAP based secondary authentication by an external DN-AAA server | Xiaomi Communication | CR | [Huawei] The CR is not needed.  [Xiaomi] provides clarification. | available |  |
|  |  | S3‑222229 | 33.501: R16 Update EAP based secondary authentication by an external DN-AAA server (mirror) | Xiaomi Communication | CR | [Huawei] The CR is not needed.  [Xiaomi]: provides clarification. | available |  |
|  |  | S3‑222230 | 33.501: R17 Update EAP based secondary authentication by an external DN-AAA server (mirror) | Xiaomi Communication | CR | [Huawei] The CR is not needed.  [Xiaomi]: provides clarification. | available |  |
|  |  | S3‑221889 | Clarification on ResumeMAC-IshortResumeMAC-I check failed in clause 6.8.2.1.3-R15 | ZTE Corporation | CR | [Nokia]: difficult to agree, because the TS 33.501 is typically describing the successful cases  [ZTE]: Provide clarifications.  Dependency with tdoc group 886-88 should appear in the cover page. The WID code for Rel-15 is 5GS\_Ph1-SEC. All the CRs, cat-F to A should have the same WID code.  [ZTE]: Will update it in the next version.  [Nokia]: Commenting on the clarification.  [ZTE]: provide clarification.  [Keysight]: Provide clarifications  [Ericsson]: Propose to note the document.  >>CC\_2<<  [ZTE] presents  Chairs asks whether this is a FASMO issue.  [ZTE] believes it is FASMO issue.  [VF] comments whether it has backward compatibility with frozen releases.  >>CC\_2<< | available |  |
|  |  | S3‑221890 | Clarification on ResumeMAC-IshortResumeMAC-I check failed in clause 6.8.2.1.3-R16 | ZTE Corporation | CR | [Nokia]: difficult to agree, because the TS 33.501 is typically describing the successful cases | available |  |
|  |  | S3‑221891 | Clarification on ResumeMAC-IshortResumeMAC-I check failed in clause 6.8.2.1.3-R17 | ZTE Corporation | CR | [Nokia]: difficult to agree, because the TS 33.501 is typically describing the successful cases | available |  |
|  |  | S3‑222021 | Living document for SERP: draftCR to TS 33.501 on the Protection of the RRC Resume Request message | Ericsson | draftCR | [Huawei]: fine to use 2021 as baseline and provide comments.  [Samsung]: Objects to current version. Seems incomplete as compared to the concluded solution#17  >>CC\_2<<  [Apple] presents current status. 3 contributions could be merged.  >>CC\_2<< | available |  |
|  |  | S3‑222090 | Protection of RRC Resume Request mesasge | Huawei, HiSilicon | draftCR | [Ericsson]: Proposes to merge this contribution to Ericsson’s S3-222021 and use 2021 as baseline.  [Samsung]: Objects to current version. Seems incomplete as compared to the concluded solution#17. | available |  |
|  |  | S3‑222190 | SERP-CR to 33501 | Apple | CR | [Ericsson]: Proposes to merge this contribution to Ericsson’s S3-222021 and use 2021 as baseline.  [Samsung]: Objects to current version. Seems incomplete as compared to the concluded solution#17. | available |  |
|  |  | S3‑222191 | SERP-Draft LS on SERP | Apple | LS out | [Ericsson]: Proposes to postpone this LS for a later meeting.  >>CC\_2<<  [Apple] presents current status.  [Ericsson] suggests to postpone the draft LS to next meeting.  [QC] doesn’t agree to send LS out for these kind of work. When CR is agreed in SA plenary, other WGs can pick up the work..  >>CC\_2<< | available |  |
|  |  | S3‑222255 | Clarification to multiple registrations in different PLMNs | Ericsson | CR | [Nokia] asks for clarification before approval  [Huawei]: propose to not pursued  [Ericsson]: provides comments  [Nokia]: provides further comments  [Ericsson]: provides further comments  [Nokia]: provides further comments and clarification | available |  |
|  |  | S3‑222257 | Discussion paper on multiple registrations in different PLMN’s and different access types | Ericsson | discussion | >>CC\_1<<  [VF] why we do multiple registration in different PLMNs?  Chair clarifies the background.  [Ericsson] presents.  [Nokia] comments the discussion is not aligned with CR proposed.  [Huawei] comments.  >>CC\_1<< | available |  |
|  |  | S3‑222006 | Add restriction for multi registrations in two PLMNs | Nokia, Nokia Shanghai Bell | CR | [Ericsson] : provides initial comments  >>CC\_2<<  [Nokia] presents current status.  [Ericsson] clarifies there are 3 kinds of contributions. Yesterday just discuss 1st one mentioned in Ericsson contribution.  [Nokia] clarifies the contribution related to 3 different issues.  >>CC\_2<< | available |  |
|  |  | S3‑222007 | control on NSSAA procedures for multi registrations in two PLMNs | Nokia, Nokia Shanghai Bell | CR | >>CC\_2<<  [Huawei] requests to move 007 and 009 to slicing part to discuss together.  Chair is ok with the proposal.  >>CC\_2<< | available |  |
|  |  | S3‑222008 | Add restriction for multi registrations in two PLMNs | Nokia, Nokia Shanghai Bell | CR | >>CC\_2<<  >>CC\_2<< | available |  |
|  |  | S3‑222009 | control on NSSAA procedures for multi registrations in two PLMNs | Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑222010 | LS for multi-registration impact on UE authentication | Nokia, Nokia Shanghai Bell | LS out |  | available |  |
|  |  |  |  |  |  |  |  |  |
|  |  | S3‑221915 | Activation of UP IP in SgNB | Ericsson | CR | [Huawei] Propose to merge in 2062, move the discussion there and close this thread.  [Ericsson] We are fine with merging S3-221915 into 2062, and close this thread. | available |  |
|  |  | S3‑222062 | Alignment with RAN3 LS for EN-DC for UPIP | Huawei, HiSilicon | CR |  | available |  |
|  |  |  |  |  |  |  |  |  |
|  |  | S3‑221918 | Alignment of NAS transport protocol for 5G-RG over Wireline | Ericsson | CR | [Nokia] Provide minor comments  [Qualcomm] Provides comment on coversheet | available |  |
|  |  | S3‑221919 | Alignment of NAS transport protocol for 5G-RG over Wireline | Ericsson | CR |  | available |  |
|  |  | S3‑221932 | Clarification on the authorzation of NF Service Consumers for data access via DCCF for R17 | Huawei, Hisilicon | CR |  | available |  |
|  |  | S3‑221959 | Rel-15 Correcting the OAuth 2.0 roles in CAPIF | Ericsson | CR |  | available |  |
|  |  | S3‑221960 | Rel-16 Correcting the OAuth 2.0 roles in CAPIF | Ericsson | CR |  | available |  |
|  |  | S3‑221961 | Rel-17 Correcting the OAuth 2.0 roles in CAPIF | Ericsson | CR | [Nokia]: agrees with the issue, but has doubts that the proposed CR is the right way to address the issue.  [Nokia]: Sorry, wrong agenda item in the subject. Please ignore previous message.  [Xiaomi]: provides some comments.  [Ericsson] : provides clarification | available |  |
|  |  | S3‑221962 | Correction and clarification in user consent requirements | Ericsson | CR | [Huawei]: Disagree with this change, don’t think this is correct understanding.  [Samsung]: Objects with the changes proposed in this CR and requests clarification. | available |  |
|  |  | S3‑221963 | Addressing authorization for EDGE-9 | Ericsson | CR | MCC commented that a missing feature was not necessarily a correction. This might be cat-B and probably to be better addressed in Rel-18. | available |  |
|  |  | S3‑221965 | Corrections and clarifications on the usage of HTTPS and X.509 certificates | Ericsson | CR |  | available |  |
|  |  | S3‑222037 | EDGE-9 and Interface Between EASs Security | InterDigital Communications | CR |  | available |  |
|  |  | S3‑221966 | Correction on the implementation of CR 0013 (S3-220917) | Ericsson | CR |  | available |  |
|  |  | S3‑221977 | Confidentiality protection of SMS content over N32 | NTT DOCOMO INC. | CR | >>CC\_2<<  [NTT Docomo] presents, this is a straightforward issue and fix.  >>CC\_2<< | available |  |
|  |  | S3‑222002 | Correction figure in ProSe Discoervery in TS33.303(R15) | China Telecom Corporation Ltd. | CR | >>CC\_2<<  [China Telecom] presents.  Chair asks whether it is FASMO issue.  [NTT Docomo] comments not in favor of changing past releases.  [VF] doesn’t agree to change R15 specs.  [QC] comments, only figure change needed, text is clear.  [VF] it is not essential change, so it can go in later releases not in Rel-15/16/17..  >>CC\_2<< | available |  |
|  |  | S3‑222003 | Correction figure in ProSe Discoervery in TS33.303(R16) - mirror | China Telecom Corporation Ltd. | CR |  | available |  |
|  |  | S3‑222004 | Correction figure in ProSe Discoervery in TS33.303(R17) - mirror | China Telecom Corporation Ltd. | CR |  | available |  |
|  |  | S3‑222016 | Discussion on the authentication result removal operation | Ericsson | discussion | >>CC\_1<<  [Ericsson] presents  [Nokia] doesn’t fully agree with this.  [VF] comments  [Ericsson] clarifies  >>CC\_1<<  [Huawei] propose to note | available |  |
|  |  | S3‑222017 | LS on AUSF and UDM authentication result service operation | Ericsson | LS out | [Nokia] Ask for clarification  [Huawei] propose to note since we don’t see any security threat on this feature.  [Nokia] After conf call clarification, Nokia agreed on the issue raised in LS/discussion with some changes | available |  |
|  |  | S3‑222047 | Update IPSec reference from obsolete RFC 7296 to RFC 8247 | Intel | CR |  | available |  |
|  |  | S3‑222048 | Update IPSec reference from obsolete RFC 7296 to RFC 8247 | Intel | CR | [Huawei] asks for clarifications  [Intel] provides clarification and agrees to revise in r1 | available |  |
|  |  | S3‑222059 | Discussion on Kiab handling in IAB migiration | Huawei, HiSilicon | discussion | >>CC\_1<<  [Huawei] presents.  >>CC\_1<< | available |  |
|  |  | S3‑222060 | CR on Kiab handling in IAB migiration | Huawei, HiSilicon | CR | [Samsung]: Clarification needed before approval.  [Qualcomm]: Also question why old key can not be used | available |  |
|  |  | S3‑222061 | LS on Kiab handling in IAB migiration | Huawei, HiSilicon | LS out |  | available |  |
|  |  | S3‑222088 | Address EN for UC3S | Huawei, HiSilicon,Nokia, Nokia Shanghai Bell | CR | [Ericsson] : Asks for clarification | available |  |
|  |  | S3‑222097 | Address UPIP forward compability issue | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑222123 | clarification on the internal authentication and an external authentication | Huawei, HiSilicon | CR | [Nokia]: Changes needed before acceptable.  [Xiaomi]: provides some comments.  [Ericsson]: Proposing changes | available |  |
|  |  | S3‑222133 | Correction of Transport security protection for MSGin5G interfaces | China Mobile | CR |  | available |  |
|  |  | S3‑222192 | 33401CR - Clarification on NAS COUNT usage in KeNB derivation | Apple | CR | >>CC\_2<<  [Apple] presents.  [Huawei] doesn’t agree with this. The note is not needed.  [Apple] clarifies.  [Nokia] comments that is an editorial CR, not FASMO.  >>CC\_2<< | available |  |
|  |  | S3‑222193 | 33501CR - Clarification on NAS COUNT usage in KeNB derivation | Apple | CR |  | available |  |
|  |  | S3‑222194 | 33501\_s1n1\_idlemode\_mapped\_ctxt | Apple | CR |  | available |  |
|  |  | S3‑222195 | 33501CR on fast reauthentication | Apple | CR | [Huawei]: does not agree with the change.  [Huawei]: does not agree with the change. | available |  |
|  |  | S3‑221907 | Clarification to multiple registrations in different PLMNs | Ericsson | CR |  | revised | [S3‑222255](file:///C:\Users\cmcc\Desktop\AgendaWithTdocAllocation_2022-08-19_20h14.htm#RANGE!S3-222255) |
|  |  | S3‑221908 | Discussion paper on multiple registrations in different PLMN’s and different access types | Ericsson | discussion |  | revised | [S3‑222257](file:///C:\Users\cmcc\Desktop\AgendaWithTdocAllocation_2022-08-19_20h14.htm#RANGE!S3-222257) |
|  |  | S3‑222055 | clarification on the internal authentication and an external authentication | Huawei, HiSilicon | CR |  | withdrawn |  |
| 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 | Samsung | pCR |  | available |  |
|  |  | S3‑221929 | New Key Issue on path switching between different N3IWFs | KPN N.V. | pCR |  | available |  |
|  |  | S3‑222052 | Update of KI#2 | OPPO | pCR |  | available |  |
|  |  | S3‑222053 | New KI on U2U relay protection of remote UE traffic | OPPO | pCR | [Huawei] : clarification is needed before approval. | available |  |
|  |  | 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 | pCR |  | available |  |
|  |  | S3‑222082 | New Key Issue on Security and privacy of path switch between L2 U2NW and direct connections | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑222083 | New Key Issue on Security and privacy of multi-path transmission for UE-to-Network Relay | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑222188 | New key issue on Identity verification for UE-to-UE relay scenarios | OPPO | pCR |  | available |  |
|  |  | S3‑221763 | New Solution for Security of Layer-2 based UE-to-UE Relay | InterDigital, Europe, Ltd. | pCR | [Huawei] : clarification is needed before approval. | available |  |
|  |  | S3‑221764 | New solution: Restricted Peer UE IP Discovery with Layer-3 UE-to-UE Relay | InterDigital, Europe, Ltd. | pCR | [Huawei] : clarification is needed before approval. | available |  |
|  |  | S3‑221765 | New solution: Privacy for Layer-3 UE-to-UE Relay based on IP routing | InterDigital, Europe, Ltd. | pCR |  | available |  |
|  |  | S3‑221831 | A new solution for security mechanism for UE-to-UE Relay discovery | Qualcomm Incorporated | pCR |  | available |  |
|  |  | 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 | pCR | [Xiaomi]: Ask for clarification | available |  |
|  |  | S3‑221833 | A new solution for secure PC5 link establishment for UE-to-UE relay | Qualcomm Incorporated | pCR | [Xiaomi]: Ask for clarification  [Huawei] : clarification is needed before approval. | available |  |
|  |  | S3‑221912 | New solution for PC5 link security when UE-to-UE relay is in coverage | Ericsson | pCR | [Huawei] : clarification is needed before approval. | available |  |
|  |  | S3‑221913 | New solution for PC5 link security when UE-to-UE relay is out of coverage | Ericsson | pCR | [Huawei] : clarification is needed before approval. | available |  |
|  |  | S3‑221921 | Solution for PC5 link security establishment for U2U Relay | China Telecom Corporation Ltd. | pCR |  | available |  |
|  |  | S3‑221924 | New Solution UE-to-UE security | Philips International B.V. | pCR |  | available |  |
|  |  | S3‑221926 | Solution for U2U Relay (model A) discovery security | China Telecom Corporation Ltd. | pCR |  | available |  |
|  |  | S3‑221930 | Solution for U2U Relay (model B) discovery security | China Telecom Corporation Ltd. | pCR |  | available |  |
|  |  | S3‑221969 | New solution on authentication procedure of UE-to-UE relay | OPPO | pCR | [Huawei] : clarification is needed before approval. | available |  |
|  |  | S3‑222054 | New Solution on security negotiation of U2U relay protection of remote UE traffic | OPPO | pCR |  | available |  |
|  |  | S3‑222189 | New solution on end-to-end security establishmet for UE-to-UE relay | OPPO | pCR | [Huawei] : clarification is needed before approval. | available |  |
|  |  | S3‑222216 | New solution on Network-assisted Security Establishment Procedure for 5G ProSe Layer-3 UE-to-UE Relay | Beijing Xiaomi Mobile Software | pCR | [ChinaTelecom] : provide comments. | available |  |
|  |  | S3‑222217 | New solution on Non-network-assisted Security Establishment Procedure for 5G ProSe Layer-3 UE-to-UE Relay | Beijing Xiaomi Mobile Software | pCR |  | available |  |
|  |  | S3‑222218 | New solution on Restricted 5G ProSe UE-to-UE Relay Discovery Model A | Beijing Xiaomi Mobile Software | pCR |  | available |  |
|  |  | S3‑222219 | New solution on Restricted 5G ProSe UE-to-UE Relay Discovery Model B | Beijing Xiaomi Mobile Software | pCR |  | available |  |
|  |  | S3‑221927 | Architectural assumption on out-of-coverage operation of UE-to-UE relay | Philips International B.V. | pCR |  | available |  |
|  |  | S3‑221971 | New solution on end-to-end security establishmet for UE-to-UE relay | OPPO | pCR | [ChinaTelecom] : discuss s3-221971 in s3-222189 thread.  [OPPO] : S3-221971 is withdrawn. | withdrawn |  |
|  |  | S3‑221979 | new KI on Identity verification for UE-to-UE relay scenarios | OPPO | pCR |  | withdrawn |  |
| 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 |  |  |  |  |  |  |  |
| 5.1 | Study on Personal IoT Networks Security Aspects | S3‑221782 | New subclause - Assumptions for PIN | InterDigital, Inc. | pCR |  | available |  |
|  |  | S3‑221892 | Add terms and abbreviations to TR 33.882 | ZTE Corporation | pCR |  | available |  |
|  |  | S3‑221779 | New key issue on Protecting Identification of PIN and PIN Privacy | InterDigital, Inc. | pCR |  | available |  |
|  |  | S3‑221780 | New key issue on Security of Discovery of PINE and PIN | InterDigital, Inc. | pCR |  | available |  |
|  |  | S3‑221783 | New key issue on Secure Communication between PINEs | InterDigital, Inc. | pCR |  | available |  |
|  |  | S3‑221792 | New Key Issue for security protection on parameters requested from PEMC that will be provisioned to PEGC | vivo | pCR | [Interdigital]: Remove “key management” from the requirement and merge with S3-221784 and use S3-221784 as the baseline for the PCR. | available |  |
|  |  | S3‑221784 | New key issue on Secure policy and parameters provisioning for PIN | InterDigital, Inc. | pCR |  | available |  |
|  |  | S3‑221793 | New Key Issue for controlling credential downloading to PINE | vivo | pCR | [Interdigital]: Remove the second paragraph of Requirements, 'After credential downloading, the 5GC shall be able to link the PINE with the 3GPP subscription of the PEGC where the credential is downloaded via.' as having nothing to do with requirements.  Merge with S3-221784 and use S3-221784 as the baseline for the PCR. | available |  |
|  |  | S3‑221805 | New Ki related to authorization of exposed PIN capabilites | Nokia, Nokia Shanghai Bell | pCR | [Interdigital]: Clarification and changes are needed before approval. | available |  |
|  |  | S3‑221791 | Update Key Issue for authentication of PINE | vivo | pCR | [Interdigital]: propose to merge with and use S3-221781 as the baseline  [Huawei]: Propose to use S3-222064 as baseline.  [vivo]: provides r1, merge S3-221791, S3-221781, S3-221920, and S3-222064. | available |  |
|  |  | S3‑221781 | Adding threats and requirements to KI#1 | InterDigital, Inc. | pCR | [vivo]: proposes merging S3-221781 into S3-221791. | available |  |
|  |  | S3‑221920 | Update key issue on Authentication and authorization for PINE | Philips International B.V. | pCR | [Interdigital]: Propose to merge with S3-221781.  [Philips] Agrees to merge. Makes proposal for requirements.  [Huawei]: Propose to use S3-222064 as baseline.  [vivo]: proposes merging S3-221920 into S3-221791.  [Philips] provides opinion. | available |  |
|  |  | S3‑222064 | Add threat and requirement to PINE authentication | Huawei, HiSilicon | pCR | [Ericsson]: propose to merge , use S3-222064 as baseline  [Interdigital]: Propose to merge with S3-221781.  [Huawei]: Propose to use S3-222064 as baseline.  [vivo]: proposes merging S3-222064 into S3-221791. | available |  |
|  |  | S3‑221804 | New solution for network triggered authentication of PINE | vivo | pCR | [Interdigital]: Clarification and changes are needed before approval.  [Philips] asks questions. | available |  |
|  |  | S3‑222065 | Solution on PINE authentication | Huawei, HiSilicon | pCR | [Interdigital]: Clarification and changes are needed before approval.  [Philips] asks questions.  [Huawei]: Provides reply and r1 {https://www.3gpp.org/ftp/tsg\_sa/WG3\_Security/TSGS3\_108e/Inbox/Drafts/draft\_S3-222065-r1.DOCX} . | available |  |
| 5.11 | Study on SNAAPP security | S3‑221806 | Discussion Paper on Structure of KIs | Nokia, Nokia Shanghai Bell | discussion | [NTT DOCOMO]: agree with proposal  [Xiaomi]: requests for clarification.  [Ericsson]: comments  [Nokia]: supports having a drafting session.  >>CC\_2<<  [Nokia] presents.  [Ericsson] comments.  [Huawei] comments the discussion paper changes the whole way forward, so doesn’t agree  [QC] comments, agree on case 1 and 2, case 3 not sure..  [NTT Docomo] presents current status.  [Huawei] comments it has no idea how to merge, but it is ok to find a way.  Chair suggests to have an offline call 1 hour before official call at Thursday.  [NTT Docomo] proposes to set up two conf call. One for western hemisphere today, after the official call ,and the other for asia at Thursday.  >>CC\_2<< | available |  |
|  |  | S3‑221807 | New KI on securing resource owner access to own resources | Nokia, Nokia Shanghai Bell | pCR | [Xiaomi]: provides some comments. | available |  |
|  |  | S3‑221808 | New KI on securing API access from AF acting on own behalf | Nokia, Nokia Shanghai Bell | pCR | [Xiaomi]: request for clarification. | available |  |
|  |  | S3‑221809 | New Ki on securing API access from subscriber to resources of other subscriber | Nokia, Nokia Shanghai Bell | pCR | [Xiaomi]: request for clarification. | available |  |
|  |  | S3‑221967 | Update to key issue #1 | Ericsson | pCR | [NTT DOCOMO]: changes required  [Ericsson]: provides clarification  [Xiaomi]: provides comments.  [NTT DOCOMO]: provides more comments  [Xiaomi]: provides more inputs | available |  |
|  |  | S3‑221968 | A new key issue on authorization by resource owner | Ericsson | pCR |  | available |  |
|  |  | S3‑222248 | pCR to TR 33.884 on new KI on authorization revocation | NTT DOCOMO | pCR | [Ericsson]: requires update before approval | available |  |
|  |  | S3‑222249 | pCR to TR 33.884 on new KI on AF originated API invocation | NTT DOCOMO | pCR |  | available |  |
|  |  | S3‑222250 | pCR to TR 33.884 on new KI on placement of authorization function | NTT DOCOMO | pCR | [Nokia]: proposes to add content of KI to other KIs.  [NTT DOCOMO]: asks for clarification | available |  |
|  |  | S3‑221925 | Authentication and Authorization for UE originated API Invocation | Lenovo | pCR | [Ericsson]: requires clarification before approval  [Nokia]: proposes to note the contribution. | available |  |
|  |  | S3‑222095 | New solution on User authorization for network exposure | Huawei, HiSilicon | pCR | [Ericsson]: requires clarification before approval  [Nokia]: proposes to note the contribution. | available |  |
|  |  | S3‑222240 | KI1, New Sol AKMA based UE authentication for API invoker on-boarding procedure in SNA scenarios | Xiaomi Communication | pCR | [Ericsson]: requires clarification before approval  [Xiaomi]: provides clarification and r1. | available |  |
|  |  | S3‑222241 | KI1,New Sol GBA based UE authentication in SNA scenarios | Xiaomi Communication | pCR | [Ericsson]: requires clarification before approval  [Xiaomi]: provides clarification and r1. | available |  |
|  |  | S3‑222242 | KI1, New Sol User authorization based API invocation procedure | Xiaomi Communication | pCR | [Nokia]: proposes to note the contribution.  [Xiaomi]: provides clarification and requests for technical discussion.  [Ericsson]: requires clarification before approval  [Xiaomi]: provides clarification and r1. | available |  |
|  |  | S3‑222243 | KI1,New Sol UE credential based API invocation procedure | Xiaomi Communication | pCR | [Ericsson]: requires clarification before approval  [Xiaomi]: provides clarification. | available |  |
|  |  | S3‑222244 | KI1,New Sol User authorization revocation for API invocation procedure | Xiaomi Communication | pCR | [Ericsson]: requires clarification before approval | available |  |
|  |  | S3‑222245 | KI1,New Sol User resource authorization profile based API invocation procedure | Xiaomi Communication | pCR | [Nokia]: proposes to note the contribution.  [Xiaomi]: provides clarification.  [Ericsson]: requires clarification before approval | available |  |
|  |  | S3‑222251 | pCR to TR 33.884 new solution on UE authentication | NTT DOCOMO | pCR |  | available |  |
|  |  | S3‑222252 | pCR to TR 33.884 new solution on non resource owner UE authorization | NTT DOCOMO | pCR | [Nokia]: proposes to note the contribution.  [NTT DOCOMO]: provides clarification  [Nokia]: provides answers to NTT Docomo  >>CC\_2<<  [NTT Docomo] presents.  [Nokia] comments.  >>CC\_2<< | available |  |
|  |  | S3‑222253 | pCR to TR 33.884 new solution on authenticating the triggering UE | NTT DOCOMO | pCR | [Nokia]: proposes to add this solution detail to an appropriate solution.  [NTT DOCOMO]: provides clarification and a proposal | available |  |
|  |  | S3‑221733 | LS on CAPIF authorization roles related to FS\_SNAAPP | S6-221771 | LS in |  | available |  |
|  |  | S3‑222256 | draft LS reply on CAPIF authorization roles related to FS\_SNAAPP | NTT DOCOMO INC. | LS out |  | available |  |
| 5.12 | Study on enhanced security for network slicing Phase 3 | S3‑221800 | update to KI#1 | Huawei, Hisilicon | pCR |  | available |  |
|  |  | S3‑221917 | Update to KI#1 Providing VPLMN slice information to roaming UE | Lenovo | pCR | [Huawei]: agree in principle. Propose to merge 1917, 1800, 2237, 1894 into one.  [Lenovo]: Accepts to have a merger to have one common Key Issue.  [Huawei]: provides r1 under the thread 221800 (1800r1). | available |  |
|  |  | S3‑222237 | Update KI1 providing VPLMN slice information to roaming UE | Xiaomi Communication | pCR | [Huawei]: agree in principle. Propose to merge 1917, 1800, 2237, 1894 into one.  [Xiaomi]: agrees to the merging proposal.  [Huawei]: provides r1 under the thread 221800 (1800r1). | available |  |
|  |  | S3‑221894 | New KI-protecting information transfer in UE initiated slice-based SoR | ZTE Corporation | pCR | [Huawei]: agree in principle. Propose to merge 1917, 1800, 2237, 1894 into one.  [ZTE]: Agree to this merging proposal.  [Huawei]: provides r1 under the thread 221800 (1800r1). | available |  |
|  |  | S3‑221801 | update to KI#2 | Huawei, Hisilicon | pCR |  | available |  |
|  |  | S3‑221802 | update to KI#3 | Huawei, Hisilicon | pCR |  | available |  |
|  |  | S3‑221893 | New KI on the Security of Network Slice Service continuity | ZTE Corporation | pCR | [Huawei]: clarification is required | available |  |
|  |  | S3‑221803 | Solution on temporay slice authorization | Huawei, Hisilicon | pCR |  | available |  |
|  |  | S3‑222238 | KI1, New Sol Secure mechanism for UE initiated capability indication procedure | Xiaomi Communication | pCR |  | available |  |
|  |  | S3‑222239 | KI1, New Sol Secure mechanism for network triggered UE capability indication procedure | Xiaomi Communication | pCR |  | available |  |
|  |  | S3‑221794 | Solution on Key Issue #3 | BUPT | pCR |  | withdrawn |  |
| 5.13 | Study on Security aspects for 5WWC Phase 2 | S3‑221766 | KI1 Update | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221767 | KI2 Update | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221768 | EAP\_AKA prime based authentication for AUN3 devices | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221769 | EAP\_TLS based authentication for AUN3 devices | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221770 | Solution for UE privacy | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221906 | EAP base authentication for AUN3 devices behind RG | CableLabs | pCR |  | available |  |
| 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 | Ericsson | pCR |  | available |  |
|  |  | S3‑222012 | New Key issue on the privacy of information handled by the RAN AI/ML framework | Ericsson | pCR | [Huawei]: ask for revision. | available |  |
|  |  | S3‑222046 | Privacy-Preserving Machine Learning | Intel | pCR | [Huawei]: propose to merge into S3-222012. | available |  |
|  |  | S3‑221955 | New Key Issue: Robustness of NG-RAN AI/ML against attacks | Philips International B.V. | pCR | [Huawei]: propose to note or add NOTE. | available |  |
|  |  | S3‑222043 | Detection of MiTM attacks. | Intel | pCR | [Huawei]: Disagree with this proposal and it is put in the wrong agenda. | available |  |
|  |  | S3‑222044 | Anomalous Behaviour Detection | Intel | pCR | [Huawei]: propose to note. | available |  |
|  |  | S3‑222125 | Detecting sources of potential data poisoning attacks towards RAN AI-ML based network optimizations | Nokia, Nokia Shanghai Bell | pCR | [Huawei]: propose to note. | available |  |
|  |  | S3‑221957 | Editorial correction | Philips International B.V. | pCR |  | available |  |
|  |  | S3‑222126 | Discussion of Distributed Intelligent Enabled 6G Networks | Xidian University | discussion |  | available |  |
|  |  | S3‑221837 | Detecting sources of potential data poisoning attacks towards RAN AI-ML based network optimizations | Nokia Japan | pCR |  | withdrawn |  |
|  |  | S3‑222045 | Privacy-Preserving Machine Learning | Intel | pCR |  | withdrawn |  |
| 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 | Qualcomm Incorporated | pCR | [Huawei]: propose to use this contribution as the baseline to incorporate similar solutions proposed in S3-221952 and S3-222220.  [Huawei]: provides r1.  [Xiaomi]: agree with the merging proposal and provide r2. | available |  |
|  |  | S3‑221952 | New solution for 3rd party ID | Huawei, HiSilicon | pCR | [Huawei]: propose to merge in S3-221830. | available |  |
|  |  | S3‑221953 | New KI on security aspects of SBA in IMS | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑221954 | New KI on security aspects of IMS DC | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑222022 | New solution: How the Originating IMS network signs the 3rd party IDs and terminating IMS network verifies the 3rd party IDs | Ericsson | pCR | [Huawei]: propose to use this contribution as the baseline to incorporate similar solution proposed in S3-222221.  [Huawei]: provides r1.  [Xiaomi]: agree with the merging proposal and provide r2. | available |  |
|  |  | S3‑222220 | New solution on AAA Server based Authorization for Third Party Specific User Identities | Beijing Xiaomi Mobile Software | pCR | [Huawei]: propose to merge in S3-221830.  [Xiaomi]: is fine with the merging proposal | available |  |
|  |  | S3‑222221 | New solution on IMS HSS based Authorization for Third Party Specific User Identities | Beijing Xiaomi Mobile Software | pCR | [Huawei]: propose to use this contribution as the baseline to incorporate similar solution proposed in S3-222221.  [Huawei]: propose to merge in S3-222022.  [Xiaomi]: is fine with the merging proposal | available |  |
|  |  | S3‑222222 | New solution on Verification of Third Party Specific User Identities based on STIR/SHAKEN framework | Beijing Xiaomi Mobile Software | pCR | [Huawei]: asks for clarification.  [Xiaomi]: provide responses | available |  |
| 5.16 | Study on security aspects of enhanced support of Non-Public Networks phase 2 | S3‑222042 | Updates to non-3gpp access key issue | Intel | pCR |  | available |  |
|  |  | S3‑222232 | KI1,New Sol Authentication mechanism for untrusted non-3GPP Access in NPN scenarios | Xiaomi Communication | pCR |  | available |  |
|  |  | S3‑222233 | KI1,New Sol Authentication mechanism for trusted non-3GPP Access in NPN scenarios. | Xiaomi Communication | pCR |  | available |  |
|  |  | S3‑222234 | KI1,New Sol Authentication for devices that do not support 5GC NAS over WLAN access in NPN scenarios | Xiaomi Communication | pCR |  | available |  |
|  |  | S3‑221895 | New KI on the security of providing access to local services | ZTE Corporation | pCR | [Ericsson]: requires updates, proposes to merge in S3-221982  [ZTE]: provides response and agrees to merge. | available |  |
|  |  | S3‑221923 | Key Issue on Authentication for access to localized services | Lenovo | pCR | [Ericsson]: requires updates, proposes to merge in S3-221982 | available |  |
|  |  | S3‑221982 | New Key Issue "Authentication for UE access to hosting network" | Ericsson, Intel, Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221950 | DP on loss of control of preferred SNPN list in eNPN | Huawei,HiSilicon | discussion |  | available |  |
|  |  | S3‑221951 | New KI on loss of control of preferred SNPN list in eNPN | Huawei,HiSilicon | pCR | [Nokia]: Requires clarification before acceptable. | available |  |
|  |  | S3‑222231 | New KI: Home control enhancement for eNPN | Xiaomi Communication | pCR | [Nokia]: Requires clarification before acceptable. | available |  |
| 5.17 | Study on Security of Phase 2 for UAS, UAV and UAM | S3‑221755 | Key Issue on Direct C2 Authorization | InterDigital, Europe, Ltd. | pCR |  | available |  |
|  |  | S3‑221756 | Key Issue: UAV Privacy over PC5 link | InterDigital, Europe, Ltd. | pCR |  | available |  |
|  |  | S3‑221838 | Key issue on Privacy and security aspects of broadcasting remote ID | Samsung | pCR |  | available |  |
|  |  | S3‑222129 | Key issue for privacy protection for unicast messages over PC5 | China Mobile | pCR |  | available |  |
|  |  | S3‑221757 | Solution on Direct C2 Security | InterDigital, Europe, Ltd. | pCR | [Huawei, HiSilicon]: This contribution needs revision/clarification before approve.  [Interdigital]: provide clarification. | available |  |
|  |  | S3‑221829 | Re-using V2X unicast security for UAS | Qualcomm Incorporated | pCR |  | available |  |
|  |  | S3‑221900 | Solution to secure direct C2 and DAA connection | Lenovo | pCR |  | available |  |
|  |  | S3‑222087 | New solution about Security establishment and link security protection of unicast PC5 communication | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑222130 | Address EN in Overview and editorial modification | China Mobile | pCR |  | available |  |
| 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 | Nokia, Nokia Shanghai Bell, Lenovo | pCR |  | available |  |
|  |  | S3‑221901 | Solution on enhancing the URSP rule with certificate fingerprint | Lenovo | pCR | [Lenovo] corrected tdoc nr in subject field and provides rev r1 | available |  |
|  |  | S3‑221902 | Scope for TR 33.892 | Lenovo, Nokia, Nokia Shanghai Bell | pCR | [Nokia] Requires changes before acceptable.  [Lenovo] ok with the change proposal | available |  |
|  |  | S3‑221903 | Update of KI#1 | Lenovo, Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221905 | Assumption on actors and attacker model | Lenovo | pCR |  | available |  |
| 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 | Philips International B.V. | pCR | [Xiaomi]: requests clarification before approval  [Philips] provides answer.  [Interdigital]: requests clarification before approval and proposes merger with S3-221207.  [Philips] provides input.  [Interdigital]: requests better wording of the added requirement and proposes merger with S3-221207.  [Huawei]: requests clarification before approval | available |  |
|  |  | S3‑222071 | Addressing the editor's note in key issue#1 | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑222209 | 33.893: Add Third Party UE in KI#2 | Xiaomi Technology | pCR |  | available |  |
|  |  | S3‑221973 | Update Key Issue #3: source authenticity verification | Philips International B.V. | pCR | [Interdigital]: Supports the proposal.  [Huawei]: agrees with the proposal. | available |  |
|  |  | S3‑222084 | New Key Issue on the Security of Ranging/SL Positioning PC5 direct | Huawei, HiSilicon | pCR | [Xiaomi]: proposes to merge it into S3-222207  [Interdigital]: Supports the proposal.  [Xiaomi]: proposes to merge it into S3-222207 | available |  |
|  |  | S3‑221916 | Key issue on Direct Communication Security | China Telecom Corporation Ltd. | pCR | [Xiaomi]: provides comments and proposes to merge it into S3-222207  [Interdigital]: requests clarification before approval and proposes merger with S3-221916.  [ChinaTelecom]: Request confirmation of IDDC's comments about S3-221916  [ChinaTelacom]: reply the comments from Xiaomi.  [Xiaomi]: provides response to response  [ChinaTelecom]: provides response | available |  |
|  |  | S3‑222207 | 33.893: New Key Issue on Security for PC5 Communication | Xiaomi Technology | pCR | [Interdigital]: Requires clarifications and changes.  [OPPO]: asks for clarification.  [Xiaomi]: provides clarification and r1 | available |  |
|  |  | S3‑222208 | 33.893: New Key Issue on Security for SR5 Communication | Xiaomi Technology | pCR | [Interdigital]: Requires clarifications and recommends postponing.  [Xiaomi]: provides clarification  [Xiaomi]: provides additional clarification  [ChinaTelecom]: request change the requirements about integrity protection  [Xiaomi]: provides clarification  [ChinaTelecom]: provides clarification  [Xiaomi]: accepts the suggestion and provides r1 | available |  |
|  |  | S3‑222210 | 33.893: Solution on Assistant UE Authorization during Discovery for KI#2 | Xiaomi Technology | pCR | [Interdigital]: Requires clarifications and recommends postponing.  [Xiaomi]: provides clarification  [Huawei]: clarification is required before approval.  [Xiaomi]: provides clarification | available |  |
|  |  | S3‑222211 | 33.893: Solution on Application Server Authorization for KI#2 | Xiaomi Technology | pCR | [Interdigital]: Requires clarifications and recommends postponing.  [Xiaomi]: provides clarification  [Huawei]: clarification is required before approval. | available |  |
|  |  | S3‑222212 | 33.893: Solution on 5GC NF Authorization for KI#2 | Xiaomi Technology | pCR | [Huawei]: clarification is required before approval. | available |  |
|  |  | S3‑222226 | New solution on GMLC based authorization for Ranging/SL Positioning services | Beijing Xiaomi Mobile Software | pCR | [Interdigital]: Requires clarifications.  [Xiaomi]: provides responses.  [Huawei]: clarification is required before approval. | available |  |
|  |  | S3‑222227 | New solution on NEF based authorization for Ranging/SL Positioning services | Beijing Xiaomi Mobile Software | pCR | [Interdigital]: Requires clarifications.  [Xiaomi]: provides responses.  [Huawei]: clarification is required before approval. | available |  |
|  |  | S3‑222206 | 33.893: Terminology Alignment | Xiaomi Technology | pCR |  | available |  |
| 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 | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221931 | KI "Need for trust evidence collection for dynamic trust monitoring" | Ericsson India Private Limited | pCR | [Lenovo] : Propose to merge S3-221931 in S3-221956.  [Lenovo] : The contribution has most of the aspect same as S3-221956. Additional aspects in S3-221931 are more solution specific.  Hence we Propose to ‘NOTE’ or ‘merge S3-221931 in S3-221956’.  [Nokia]: suggests to merge S3-221931 in S3-221956 as a way to move this forward | available |  |
|  |  | 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 | pCR | [Ericsson] : Propose to note.  [Lenovo] : Provides clarification and r1. | available |  |
|  |  | S3‑221958 | New Key Issue on Usage of Evaluated Trust Information | Lenovo | pCR | [Lenovo] : Propose to merge S3-221958 in S3-221956.  [Ericsson] : Object to Lenovo’s proposal. Propose to note3-221958.  [Lenovo] : Asks clarification from Ericsson for their Objection.  Also provides additional clarification about purpose of the contribution.  Cited Ericsson’s last meeting feedback which aligns with the purpose of this contribution.  [Nokia]: suggest to proceed with the merge and continue the discussion in the S3-221956. | available |  |
|  |  | S3‑222056 | Discussion on ZTA study approach | Huawei, HiSilicon | discussion |  | available |  |
|  |  | S3‑222057 | Addition of tenant evaluation clause | Huawei, HiSilicon | pCR | [Ericsson] : Supports S3-222057  [NCSC] : Also supports S3-222057  [Nokia]: Supports the addition of the clause and provides some observations to S3-222056 and S3-222057  [Lenovo] : Provides comment and asks for clarification. | available |  |
| 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 | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑222223 | New solution on User Consent for UE Data Exposure to HPLMN in the Roaming case | Beijing Xiaomi Mobile Software | pCR | [Huawei]: Ask for clarification and propose ENs before approval.  [Xiaomi]: provides responses and provides r1. | available |  |
|  |  | S3‑222224 | New solution on User Consent for UE Data Exposure to VPLMN in the Roaming case | Beijing Xiaomi Mobile Software | pCR | [Huawei]: Ask for clarification and propose ENs before approval. Comments for S3-222223 also apply here entirely.  [Xiaomi]: provides responses and provides r1. Same response as 2223. | available |  |
|  |  | S3‑222225 | New solution on Modification or Revocation of User Consent for eNA in the Roaming case | Beijing Xiaomi Mobile Software | pCR |  | available |  |
|  |  | S3‑221974 | Update Key Issue #2: User consent for NTN | Philips International B.V. | pCR | [Huawei]: propose to merge with S3-222092. | available |  |
|  |  | S3‑222092 | Key Issue Update on User Consent for NTN | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑222213 | 33.896: Requirements for Key Issue #2 | Xiaomi Technology | pCR | [Huawei]: proposes to merge into S3-222092. | available |  |
|  |  | S3‑221810 | Solution for NTN User consent | Nokia, Nokia Shanghai Bell | pCR | [Huawei]: proposes minor update.  [Huawei]: resend with the grouping in the subject. | available |  |
|  |  | S3‑222094 | New solution on User Consent Architecture for RAN as enforcement point | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑222214 | 33.896: Solution on Obtaining User Consent in Non-mobility Case for KI#2 | Xiaomi Technology | pCR | [Huawei]: propose to add EN. | available |  |
|  |  | S3‑222215 | 33.896: Solution on Obtaining User Consent Revocation for KI#2 | Xiaomi Technology | pCR | [Huawei]: propose to add EN. Similar as S3-222214. | available |  |
|  |  | S3‑222091 | New key issue on User Consent for AI/ML for RAN | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑222127 | New Key Issue on User Consent for Roaming of Edge Application | China Mobile, Huawei, HiSilicon, OPPO | pCR |  | available |  |
|  |  | S3‑222128 | New Solution on User Consent for Edge Application | China Mobile, Huawei, HiSilicon, OPPO | pCR |  | available |  |
| 5.23 | Study on security enhancements for 5G multicast-broadcast services Phase 2 | S3‑221812 | MOCN security handling for MBS | Nokia, Nokia Shanghai Bell | pCR | [Huawei]: Provides comments. | available |  |
|  |  | S3‑221836 | TMGI protection during group Paging | Nokia, Nokia Shanghai Bell | pCR | [Huawei]: Provides comments. | available |  |
|  |  | S3‑222066 | Add threat and requirement to key issue on TMGI protection | Huawei, HiSilicon | pCR | [Nokia]: request for clarification, updates proposed and technical discussion needed why privacy is avoiding a spoofing  [Huawei]: Provides reply and r1 {https://www.3gpp.org/ftp/tsg\_sa/WG3\_Security/TSGS3\_108e/Inbox/Drafts/draft\_S3-222066-r1.docx} . | available |  |
|  |  | S3‑222067 | Add threat and requirement to key issue on MOCN | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑222068 | New key issue on security protection for Ues in RRC inactive state | Huawei, HiSilicon | pCR | [Nokia]: request for clarification, this new ‘key update procedure’ seems to exist already  [Huawei]: Provides reply. | available |  |
|  |  | S3‑222069 | Solution on security protection in MOCN network sharing scenario | Huawei, HiSilicon | pCR | [Samsung]: Clarification needed before approval.  [Huawei]: provide clarification.  [Samsung]: Comments on the clarification. | available |  |
|  |  | S3‑222070 | MBS\_Abbreviations update | Huawei, HiSilicon | pCR |  | available |  |
| 5.24 | Study on enhanced Security Aspects of the 5G Service Based Architecture | S3‑221899 | Updated work plan for SID eSBA security | Nokia, Nokia Shanghai Bell | WI status report |  | available |  |
|  |  | S3‑221843 | Editiorial updates to 33875-120 | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221844 | Scope update | Nokia, Nokia Shanghai Bell | pCR | [Huawei] : request revision with the specific scenarios.  [Nokia] : provides revision by mail. | available |  |
|  |  | S3‑221845 | Clause 3 clean up of subsections | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221846 | Scope general remark | Nokia, Nokia Shanghai Bell | pCR | [Huawei] : propose to note.  [Nokia] : do not agree. | available |  |
|  |  | S3‑221847 | Trust clause editorial update | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221848 | KI1 EN resolution in KI1 - threat clarification | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221849 | KI1 solution 1 update | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221850 | KI1 EN resolution in solution 6 - evaluation part | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221933 | Resolving EN in solution #6 | Huawei, Hisilicon | pCR |  | available |  |
|  |  | S3‑221904 | Authentication of NF Producer in Indirect Communication | CableLabs, Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221851 | KI1 conclusion on NFp authentication in indirect comm | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221852 | KI2 update with solution and conclusion on trust domain | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221853 | KI3 EN resolution on requirements for subscribe notify | Nokia, Nokia Shanghai Bell | pCR | [Ericsson]: should be noted | available |  |
|  |  | S3‑221854 | KI3 EN resolution in solution 12 | Nokia, Nokia Shanghai Bell | pCR | [Ericsson]: requires updates or should be noted | available |  |
|  |  | S3‑221936 | Resolving EN in KI#3 | Huawei, Hisilicon | pCR | [Ericsson]: should be noted | available |  |
|  |  | S3‑221934 | New solution for the authorization of the delegated subscribe | Huawei, Hisilicon | pCR | [Ericsson]: requires updates | available |  |
|  |  | S3‑221855 | KI4 EN resolution of solution 3 | Nokia, Nokia Shanghai Bell | pCR | [Ericsson]: requires updates  [Nokia]: -r1 uploaded | available |  |
|  |  | S3‑221856 | KI4 conclusion on authorization of SCP to act on behalf of another SCP | Nokia, Nokia Shanghai Bell | pCR | [Ericsson]: requires updates  [Nokia]: responses and provides -r1 | available |  |
|  |  | S3‑221857 | KI5 Sol4 ENs resolution | Nokia, Nokia Shanghai Bell | pCR | [Nokia] : -r1 uploaded, text clarification for one EN.  [Nokia] : -r1 uploaded, text clarification for one EN. | available |  |
|  |  | S3‑221858 | KI5 Sol5 ENs resolution | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221859 | KI5 Sol8 ENs resolution | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑222247 | Selective End of End Protection of HTTP Request and Response in Indirect | CableLabs | pCR |  | available |  |
|  |  | S3‑221860 | KI5 conclusion on e2e integrity prot of HTTP msg | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221861 | KI6 EN resolution in KI threat | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221862 | KI6 related Sol7 update and conclusion on access token usage by NFs of an NF Set | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221863 | KI7 evaluation of solution 9 on authorization method negotiation | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221935 | Resolving EN in solution #9 | Huawei, Hisilicon | pCR |  | available |  |
|  |  | S3‑221864 | KI7 Adding a solution on how to handle static auth in roaming with existing methods | Nokia, Nokia Shanghai Bell | pCR | [Nokia]: -r1 upload, reflecting GSMA recommendations from Ericsson made in S3-221865  [Huawei] : request clarification on how to configure the parameter.  [CMCC] : request clarification.  [Nokia] : responses. | available |  |
|  |  | S3‑221865 | KI7 conclusion on authorization mechanism determination | Nokia, Nokia Shanghai Bell | pCR | [Ericsson]: comments that the issue is already addressed in GSMA guidelines  [Nokia]: -r1 uploaded. It proposes to add the recommendations by GSMA on handling the key issue as part of the analysis  [Huawei] : disagree with r1. | available |  |
|  |  | S3‑221868 | KI8 update of solution 10 and evaluation | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221869 | KI8 conclusion on deploying multiple NRFs | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221870 | KI9 sol11 EN resolution on authorization for inter-slicing access | Nokia, Nokia Shanghai Bell | pCR | [Nokia]: merge 1870 into 1897 | available |  |
|  |  | S3‑221897 | Resolve EN for solution#11 | Samsung | pCR | [Samsung]: Provides r1 based on the comments received during last week's conf call  [Nokia]: 1870 should be merged into 1897  [Samsung]: Provides r2, merging 1870 into 1897 | available |  |
|  |  | S3‑221928 | Conclusion on KI9 authorization for inter-slicing access | Nokia, Nokia Shanghai Bell | pCR | Nokia: Merge 1928 into 1898  Nokia: Merge 1928 into 1898 | available |  |
|  |  | S3‑221898 | Conclusion for KI#9 | Samsung | pCR |  | available |  |
|  |  | S3‑221737 | LS to 3GPP Hosted SEPP | GSMA | LS in | >>CC\_1<<  [Ericsson] presents.  >>CC\_1<< | available |  |
|  |  | S3‑221871 | LS reply to GSMA on Hosted SEPP | Nokia, Nokia Shanghai Bell | LS out | >>CC\_1<<  [Nokia] presents that is a dummy draft reply.  [Mavenir] asks proposal on draft reply.  [Nokia] clarifies, just a polite answer, and to keep study.  >>CC\_1<< | available |  |
|  |  | S3‑221978 | Update to and split of KI#10 to clarify the scenarios | BSI (DE),Nokia, Nokia Shanghai Bell | pCR | [BSI (DE)] : provides r1 on behalf of Nokia  [BSI (DE)] : provides r2  [Ericsson]: proposes updates to r2  [BSI (DE)]: comments on updates to r2 from Ericsson  [Ericsson]: replies to BSI’s comments | available |  |
|  |  | S3‑221980 | Solution for KI#10 (hosted SEPP) | BSI (DE),Nokia, Nokia Shanghai Bell | pCR | [BSI (DE)] : provides r1 on behalf of Nokia  [Ericsson]: provides updates to r1  [BSI (DE)]: comments on updates to r1 from Ericsson  [Ericsson]: replies to BSI | available |  |
|  |  | S3‑222246 | pCR to TR33.875 new solution on PRINS for roaming hubs | NTT DOCOMO INC., Nokia, NokiaShanghai Bell, BSI (DE), Deutsche Telekom | pCR | [Ericsson]: requires clarifications  [NTT DOCOMO]: provides clarifications and updates in -r1  [Deutsche Telekom] : agrees to -r1 | available |  |
|  |  | S3‑221872 | KI10 conclusion on N32 roaming | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑221999 | Discussion regarding issues for NRF validation of NFc for access token | Ericsson | discussion |  | available |  |
|  |  | S3‑222000 | Certificate solution for NRF validation of NFc for access token requests | Ericsson | pCR |  | available |  |
|  |  | S3‑222001 | Combined certificate and profile solution for NRF validation of NFc for access token requests | Ericsson | pCR |  | available |  |
|  |  | S3‑221873 | KI11 conclusion on NFc registration at NRF | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
| 6 | New Study/Work item proposals | S3‑221751 | Discussion paper on open questions regarding 256-bit algorithms | KDDI Corporation | discussion | >>CC\_2<<  [KDDI] presents.  [VF] comments.  [KDDI] clarifies.  [Ericsson] comments.  Chair has concern about time required for the study and the Rel-18 timeline available. Probably need to be taken up in Rel-19. But probably the TR cleanup can be taken up before that.  >>CC\_2<< | available |  |
|  |  | S3‑221761 | Discussion on Work for Prose Secondary Authentication in Rel-18 | InterDigital, Europe, Ltd. | discussion |  | available |  |
|  |  | S3‑221762 | New WID: 5G ProSe Secondary Authentication | InterDigital, Europe, Ltd., LG Electronics, Samsung, China Telecom | WID new |  | available |  |
|  |  | S3‑221785 | Discussion on authenticating carrier applications via IMS | Google, Apple | discussion | >>CC\_2<<  [Apple] presents.  [VF] comments whether, it is related to UC3S work?.  [Apple] clarifies, no they are different.  [NTT Docomo] asks the relationship with AKMA.  [Apple] clarifies they are different.  [Interdigital] comments the solution and the goal is similar as AKMA.  [DT] asks whether there is relationship with GSMA IMS related work.  Chair comments it is not urgent work for R18, suggest to bring it for R19.  >>CC\_2<< | available |  |
|  |  | S3‑221896 | DTLS for AKMA WID | ZTE Corporation | WID new |  | available |  |
|  |  | S3‑222013 | New WID on IETF OSCORE Ua\* protocol profile for AKMA | Ericsson | WID new | [Samsung] Asks for Clarification.  [Thales]: asks for change. | available |  |
|  |  | S3‑222039 | Study on enhancements to facilitate N32 adoption by Standalone Non-Public Networks | Intel | SID new | [Ericsson]: Requires clarification. It is not clear what exactly should be studied and whether a SID is the correct way to study it.  [Intel]: Provides clarification to Ericsson | available |  |
|  |  | S3‑222041 | Discussion about the enhancement to N32 Reference Point | Intel | discussion | [Ericsson]: proposes to note this discussion paper and keep the discussion in the thread for S3-222039, the related SID  >>CC\_2<<  [Intel] presents current status.  [Ericsson] comments the proposal will change N32 fundamentally.  [VF] comments.  [NTT Docomo] concerns N32 is purely signaling interface.  [Nokia] comments proposal is more like a solution.  [Huawei] shares same view as Ericsson and Nokia.  >>CC\_2<< | available |  |
|  |  | S3‑222049 | Discussion Paper on Revised WID(s) on AKMA Kaf Refresh | OPPO, ZTE, Nokia, Nokia Shanghai Bell, Samsung | discussion |  | available |  |
|  |  | S3‑222050 | Revised SID on enhancement of AKMA | OPPO, ZTE, Nokia, Nokia Shanghai Bell, Samsung, Apple, VIVO | other |  | available |  |
|  |  | S3‑222051 | Revised SID on Study of Security aspect of home network triggered primary authentication | OPPO, ZTE, Nokia, Nokia Shanghai Bell, Samsung | other |  | available |  |
|  |  | S3‑222072 | New SID on eLCS security | Huawei, HiSilicon | WID new |  | available |  |
|  |  | S3‑222073 | Discussion paper on eLCS security | Huawei, HiSilicon | discussion | >>CC\_2<<  [Huawei] presents.  [Interdigital] comments to co-ordination with Ranging.  [QC] comments objectives not clear, doesn’t agree. Wait for SA2 to progress, to see if there is anything specifically to be done in SA3.  >>CC\_2<< | available |  |
|  |  | S3‑222085 | R18 WID on security for Isolated Operation for Public Safety in 5G system | Huawei, HiSilicon | WID new | MSI requires clarification of Objectives before agreement of this WID  [Huawei, HiSilicon]: Provide r1 to address concern from MSI.  [Ericsson]: provides comments. | available |  |
|  |  | S3‑222086 | Discussion on the security of Isolated Operation for Public Safety in 5GS | Huawei, HiSilicon | discussion | >>CC\_2<<  [Huawei] presents.  [Nokia] does not agree, SA2 didn’t agree with this work.  [Ericsson] has provided comments via email, so doesn’t agree with this.  >>CC\_2<< | available |  |
|  |  | S3‑222101 | Revised WID for 5G SCAS work for Rel-17 features on existing functions | Huawei, HiSilicon | WID revised |  | available |  |
|  |  | S3‑222120 | Security assurance specification drafting | Huawei, HiSilicon | discussion | >>CC\_2<<  [Huawei] presents  [QC] comments.  [CMCC] comments on 2nd point.  [Oppo] asks the relationship between this one and BSI contribution.  >>CC\_2<< | available |  |
|  |  | S3‑222197 | New SID on Security Aspects of Satellite Access | Xiaomi, China Mobile, China Telecom, Qualcomm, InterDitigal, ZTE, Nokia, Nokia Shanghai Bell, Thales | SID new |  | available |  |
|  |  | S3‑222254 | WID on SBA security | Nokia, Nokia Shanghai Bell | WID new |  | available |  |
| 7 | CVD and research | S3‑221922 | Recent research papers on LTE security | CableLabs | discussion |  | available |  |
| 8 | Any Other Business | S3‑221717 | SA3 meeting calendar | SA WG3 Chair | other |  | available |  |