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| **Agenda** | **Topic** | **TDoc** | **Title** | **Source** | **Type** | **Notes** | **Decision** | **Replaced-by** |
| 1 | AgendaandMeetingObjectives | S3‑220601 | Agenda | WGChair | agenda | >>CC\_1<<[Chair] presents>>CC\_1<< | available |  |
|  |  | S3‑220603 | ProcessforSA3#107emeeting | WGChair | other | >>CC\_1<<[Chair] presents>>CC\_1<< | available |  |
|  |  | S3‑220606 | ProcessandagendaforSA3#107e | WGChair | other | 　>>CC\_1<<[Chair] presents>>CC\_1<< | revised | S3‑221142 |
|  |  | S3‑221142 | ProcessandagendaforSA3#107e | WGChair | other | 　>>CC\_1<<[Chair] presents>>CC\_1<< | available |  |
| 2 | MeetingReports | S3‑220602 | ReportfromSA3#106e | MCC | report | 　>>CC\_1<<[Chair] presents>>CC\_1<< | available |  |
|  |  | S3‑220604 | ReportfromlastSA | WGChair | report | 　>>CC\_1<<[Chair] presents[Ericsson] asks whether SA3 report could be checked before SA plenary submission.**1st challenge deadline and would be noted.**[Ericsson] asks when would be made decision for Nov. meeting.[Chair] it has not been decided yet.>>CC\_1<< | available |  |
|  |  | S3‑220605 | MeetingnotesfromSA3leadership | WGChair | report | 　 | reserved |  |
| 3 | ReportsandLiaisonsfromotherGroups | S3‑220608 | LSto3GPPCT4onIdentificationofsourcePLMN-IDinSBA | GSMA | LSin | 　>>CC\_1<<[Chair] presents and asks to move forward.[Ericsson] proposes to note[Huawei] has similar comments[Chair] asks do we need a reply in this meeting or later[Huawei] if the LS is replied, it should be made in this meeting.[Ericsson] how to treat it based on discussion in this week.[Chair] will keep this LS pending>>CC\_1<< | available |  |
|  |  | S3‑220649 | ReplyLSonUserControlledPLMNSelectorwithAccessTechnologyinControlplanesolutionforsteeringofroamingin5GS | S1-220187 | LSin | 　>>CC\_1<<[VC] presents.[Chair] proposes to note**1st challenge deadline**>>CC\_1<< | available |  |
|  |  | S3‑220648 | LSonnewparametersforSOR | C1-214118 | LSin | 　>>CC\_1<<[NTT Docomo] presents and proposes to note.[Chair] proposes to note**1st challenge deadline**>>CC\_1<< | available |  |
|  |  | S3‑220651 | ReplyLSonUEcapabilitiesindicationinUPU | C1-223177 | LSin | 　[Nokia]:Nokia is proposing to note the LS>>CC\_1<<[Ericsson] presents and proposes to note[Chair] proposes to note**1st challenge deadline.**>>CC\_1<< | available |  |
|  |  | S3‑220660 | LSon3GPPTS29.244 | BBF | LSin | 　>>CC\_1<<[Ericsson] presents and proposes to note[Chair] proposes to note**1st challenge deadline.**>>CC\_1<< | available |  |
|  |  | S3‑221147 | LSon3GPPTS29.244 | BBF | LSin | 　>>CC\_1<<[Ericsson] presents and proposes to note[Chair] proposes to note**1st challenge deadline.**>>CC\_1<< | available |  |
|  |  | S3‑220666 | ReplyLSonLTEUserPlaneIntegrityProtection | R2-2203663 | LSin | 　[Nokia]: Propose to note this LS.>>CC\_1<<[VC] presents[Huawei] there are CRs related with this LS. Proposes to keep it open.[Chair] keep the LS open.>>CC\_1<< | available |  |
|  |  | S3‑220667 | LSonEPSfallbackenhancements | R2-2204236 | LSin | 　>>CC\_1<<[VC] presents>>CC\_1<< | available |  |
|  |  | S3‑220668 | ReplyLSonEPSfallbackenhancements | S2-2203590 | LSin | 　>>CC\_1<<[VC] presents[Chair] proposes to note**1st challenge deadline.**>>CC\_1<< | available |  |
|  |  | S3‑220879 | DisucssiononsecurityaspectofEPSfallbackenhancementsinRel-17 | Huawei,HiSilicon | discussion | 　>>CC\_1<<[Huawei] presents and has another reply LS.[Huawei] there are 3 contributions and not too much difference. Need to choose one as baseline.[QC] proposes to note discussion paper.[Chair] proposes to note the discussion papers**1st challenge deadline.**>>CC\_1<< | available |  |
|  |  | S3‑220880 | LStoRAN2onEPSfallbackenhancements | Huawei,HiSilicon | LSout | 　 | available |  |
|  |  | S3‑221064 | ReplyLSonEPSfallbackenhancements | Ericsson | LSout | 　[Nokia]: Agree and propose to merge with S3-221109.>>CC\_1<<[Ericsson] comments to agree there is security problem but does not need to have a study to enhancement, so proposes to use Ericsson’s as baseline.[Huawei] is fine to use Ericsson’s as baseline.[Apple] is fine to mention security issue.[Chair] requests Ericsson to hold the pen.>>CC\_1<< | available |  |
|  |  | S3‑221109 | ReplyLSonEPSfallbackenhancements | NokiaCorporation | LSout | 　>>CC\_1<<[Nokia] presents>>CC\_1<< | available |  |
|  |  | S3‑221110 | DiscussiononLSonEPSfallbackenhancements | NokiaCorporation | discussion | 　>>CC\_1<<[QC] proposes to note discussion paper.[Chair] proposes to note**1st challenge deadline.**>>CC\_1<< | available |  |
|  |  | S3‑220669 | ReplyLSonUserPlaneIntegrityProtectionforeUTRAconnectedtoEPC | R3-222610 | LSin | 　>>CC\_1<<[QC] presents[VF] comments for clarification[QC] could not confirm[Huawei] proposes to note[Chair] proposes to note**1st challenge deadline.**>>CC\_1<< | available |  |
|  |  | S3‑220670 | ReplyLSonUEprovidingLocationInformationforNB-IoT | C1-222100 | LSin | 　>>CC\_1<<[VC] presents and proposes to note[Chair] proposes to note**1st challenge deadline.**>>CC\_1<< | available |  |
|  |  | S3‑220671 | ReplyLSonUEprovidingLocationInformationforNB-IoT | R3-222858 | LSin | 　>>CC\_1<<[Ericsson] presents and proposes to note[Chair] proposes to note**1st challenge deadline.**>>CC\_1<< | available |  |
|  |  | S3‑220672 | LSResponsetoLSonUEprovidingLocationInformationforNB-IoT | S2-2201333 | LSin | >>CC\_1<<[Ericsson] presents and proposes to note[Chair] proposes to note**1st challenge deadline.**>>CC\_1<<　 | available |  |
|  |  | S3‑220673 | LSonV2XPC5linkforunicastcommunicationwithnullsecurityalgorithm | R5-222035 | LSin | 　>>CC\_1<<[Huawei] presents and proposes to postpone or wait CT1’s reply[Lenovo] clarifies the issue, and comments some actions are needed.[Lenovo] replies there should be a CR and reply this LS[Chair] proposes to postpone to next meeting and requests to bring a CR to fix it.**1st challenge deadline.**>>CC\_1<< | available |  |
|  |  | S3‑220674 | ReplyLSonreplytoSA6aboutnewSIDonApplicationEnablementforDataIntegrityVerificationServiceinIOT | S1-220185 | LSin | 　>>CC\_1<<[VC] presents.[Chair] proposes to note[Ericsson] comments no need to reply this, but need to discuss in SA3 how to handle this.[Chair] proposes to discuss in email.>>CC\_1<< | available |  |
|  |  | S3‑220678 | LSreplyonRAN2agreementsforpagingwithserviceindication | S2-2201838 | LSin | 　 | available |  |
|  |  | S3‑220680 | LSonMINTfunctionalityforDisasterRoaming | S5-222575 | LSin | 　 | available |  |
|  |  | S3‑220682 | LSonInter-PLMNHandoverofVoLTEcallsandidlemodemobilityofIMSsessions | S3i220244 | LSin | 　 | available |  |
|  |  | S3‑220683 | TCGprogress-reportfromTCGrapporteur | InterDigital,Inc. | other | 　>>CC\_1<<[IDCC] presents>>CC\_1<< | available |  |
|  |  | S3‑220662 | LSonUElocationduringinitialaccessinNTN | R2-2201881 | LSin | 　 | available |  |
|  |  | S3‑220665 | LSonUElocationinconnectedmodeinNTN | R2-2204257 | LSin | 　 | available |  |
|  |  | S3‑220664 | ReplyLSonUElocationduringinitialaccessinNTN | R3-222861 | LSin | 　 | available |  |
|  |  | S3‑221081 | NTN-ReplyLSonUElocationinconnectedmodeinNTN(R2-2204257) | Apple | LSout | 　[Nokia]: Proposal to merge with S3-221106. | available |  |
|  |  | S3‑221106 | ReplyLSonUElocationinconnectedmodeinNTN | NokiaCorporation | LSout | 　 | available |  |
|  |  | S3‑221082 | NTN-ReplyLSonNTNspecificuserconsent(R2-2201754) | Apple | LSout | 　[Nokia]: Proposal to merge with S3-221107. | available |  |
|  |  | S3‑221107 | ReplyLSonReplyLSonNTNspecificUserConsent | NokiaCorporation | LSout | 　 | available |  |
|  |  | S3‑221063 | LSreplyonUElocationinconnectedmodeinNTN | Ericsson | LSout | 　 | available |  |
|  |  | S3‑220609 | LSonnewparametersforSOR | C1-214118 | LSin | 　 | revised | S3‑220648 |
|  |  | S3‑220610 | ReplyLSonUserControlledPLMNSelectorwithAccessTechnologyinControlplanesolutionforsteeringofroamingin5GS | S1-220187 | LSin | 　 | revised | S3‑220649 |
|  |  | S3‑220612 | ReplyLSonUEcapabilitiesindicationinUPU | C1-223177 | LSin | 　 | revised | S3‑220651 |
|  |  | S3‑220621 | LSon3GPPTS29.244 | BBF | LSin | 　 | revised | S3‑220660 |
|  |  | S3‑220623 | LSonUElocationduringinitialaccessinNTN | R2-2201881 | LSin | 　 | revised | S3‑220662 |
|  |  | S3‑220624 | LSonUElocationduringinitialaccessinNTN | R2-2202057 | LSin | 　 | revised | S3‑220663 |
|  |  | S3‑220625 | ReplyLSonUElocationduringinitialaccessinNTN | R3-222861 | LSin | 　 | revised | S3‑220664 |
|  |  | S3‑220626 | LSonUElocationinconnectedmodeinNTN | R2-2204257 | LSin | 　 | revised | S3‑220665 |
|  |  | S3‑220627 | ReplyLSonLTEUserPlaneIntegrityProtection | R2-2203663 | LSin | 　 | revised | S3‑220666 |
|  |  | S3‑220628 | LSonEPSfallbackenhancements | R2-2204236 | LSin | 　 | revised | S3‑220667 |
|  |  | S3‑220629 | ReplyLSonEPSfallbackenhancements | S2-2203590 | LSin | 　 | revised | S3‑220668 |
|  |  | S3‑220630 | ReplyLSonUserPlaneIntegrityProtectionforeUTRAconnectedtoEPC | R3-222610 | LSin | 　 | revised | S3‑220669 |
|  |  | S3‑220631 | ReplyLSonUEprovidingLocationInformationforNB-IoT | C1-222100 | LSin | 　 | revised | S3‑220670 |
|  |  | S3‑220632 | ReplyLSonUEprovidingLocationInformationforNB-IoT | R3-222858 | LSin | 　 | revised | S3‑220671 |
|  |  | S3‑220633 | LSResponsetoLSonUEprovidingLocationInformationforNB-IoT | S2-2201333 | LSin | 　 | revised | S3‑220672 |
|  |  | S3‑220634 | LSonV2XPC5linkforunicastcommunicationwithnullsecurityalgorithm | R5-222035 | LSin | 　 | revised | S3‑220673 |
|  |  | S3‑220635 | ReplyLSonreplytoSA6aboutnewSIDonApplicationEnablementforDataIntegrityVerificationServiceinIOT | S1-220185 | LSin | 　 | revised | S3‑220674 |
|  |  | S3‑220639 | LSreplyonRAN2agreementsforpagingwithserviceindication | S2-2201838 | LSin | 　 | revised | S3‑220678 |
|  |  | S3‑220641 | LSonMINTfunctionalityforDisasterRoaming | S5-222575 | LSin | 　 | revised | S3‑220680 |
|  |  | S3‑220663 | LSonUElocationduringinitialaccessinNTN | R2-2202057 | LSin | 　 | withdrawn |  |
| 4 | Workareas |  |  |  |  | 　 |  |  |
| 4.1 | NewWIDonSecurityAssuranceSpecificationforManagementFunction(MnF) | S3‑220885 | 33.926-ClarificationsofthescopeofOAMfunctionsintheGNPmodel | Huawei,HiSilicon | draftCR | 　 | available |  |
|  |  | S3‑220886 | 33.926-Rewritethe5GMnFGNPmodel | Huawei,HiSilicon | draftCR | 　 | available |  |
|  |  | S3‑220887 | 33.926-AddnewassetstotheOAMfunctions | Huawei,HiSilicon | draftCR | 　 | available |  |
|  |  | S3‑220888 | 33.926-Addanewthreat | Huawei,HiSilicon | draftCR | 　 | available |  |
|  |  | S3‑220889 | 33.526-updateclause4.2.3 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220890 | 33.526-updateclause4.2.4 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220891 | 33.526-updateclause4.2.5 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220893 | LivingdocumentforMnFSCAS:draftCRtoTR33.926 | Huawei,HiSilicon | draftCR | 　 | available |  |
| 4.2 | NewWIDonSECAMandSCASfor3GPPvirtualizednetworkproducts | S3‑220840 | ModfiyScopeofTR33.936 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220781 | addingoverviewandScopeofaSECAMSCASfor3GPPvirtualizednetworkproducts | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220782 | addingScopeofSECAMevaluationandaccreditationfor3GPPvirtualizednetworkproducts | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220783 | addingthecontentsofchapters4.5to4.7 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220784 | addingthecontentsofchapters4.8to4.10 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220785 | addingcontenttoclause5.1 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220786 | AddingdescriptionaboutgeneralcontentofSCASdocumentandToEtoclause5.2 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220787 | addingdescriptionaboutSPDtoclause5.2 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220788 | addingdescriptionaboutmethodologyofsecurityrequirementstoclause5.2 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220789 | addingdescriptionaboutimprovementofSCASandnewpotentialsecurityrequirementstoclause5.3 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220790 | addingdescriptionaboutbasicvulnerabilitytestingrequirementsforGVNPtoclause5.4 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220841 | ModfiyScopeofTS33.927 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220775 | Proposaltoaddoverviewinclause4GenericVirtulizatedNetworkProduct(GVNP)class | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220776 | Proposaltoaddclause4.2MinimumsetoffunctionsdefiningtheGVNPclass | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220777 | Proposaltoaddintroductioninclause4.3Genericvirtualizednetworkproductmodel | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220778 | ProposaltoaddGVNPmodeloftype1 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220769 | Supplementtogenericvirtualisednetworkproductmodel | ChinaTelecomCorporationLtd. | pCR | 　[CMCC] proposes to merge into 778 and not introduce OAM requirement currently[China Telecom]: Agree with the merger. | available |  |
|  |  | S3‑220779 | ProposaltoaddGVNPmodeloftype2 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220780 | ProposaltoaddGVNPmodeloftype3 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220839 | ModfiyScopeofTS33.527 | Huawei,HiSilicon | pCR | 　[CMCC] does not agree with this contribution.[Nokia] requests clarification. | available |  |
| 4.3 | NewWIDonMissioncriticalsecurityenhancementsphase3 |  |  |  |  | 　 |  |  |
| 4.4 | NewWIDonSecurityAssuranceSpecification(SCAS)for5GRel-17Features | S3‑220739 | AddingatestcaseforgNBinTS33.511clause4.2.2.1.4 | ZTECorporation | CR | 　 | available |  |
|  |  | S3‑221090 | NewthreatonKausfhanding | Huawei,HiSilicon | draftCR | 　 | available |  |
|  |  | S3‑221091 | threatmodificationsfortokenverification | Huawei,HiSilicon | draftCR | 　 | available |  |
|  |  | S3‑221092 | threatmodificationsforSEPP | Huawei,HiSilicon | draftCR | 　 | available |  |
| 4.5 | NewWIDonSecurityAssuranceSpecificationfortheAuthenticationandKeyManagementforApplications(AKMA)AnchorFunctionFunction(AAnF) | S3‑220689 | Newtestcaseforconfidentiality,integrityandreplayprotectionbetweenAAnFandAUSF | KeysightTechnologiesUKLtd | pCR | 　[Nokia]:Clarificationaskedandproposechanges.[Keysight]: Clarification to Nokia[Keysight]: Clarification made[Nokia]: clarification provided[Keysight]: Provided solution | available |  |
|  |  | S3‑220690 | Newthreatforconfidentiality,integrityandreplaybetweenAAnFandAUSF | KeysightTechnologiesUKLtd | CR | 　MCC commented that the CR didn’t have any revision marks. | available |  |
|  |  | S3‑220691 | Newtestcaseforconfidentiality,integrityandreplayprotectionbetweenAF/NEFandAAnF | KeysightTechnologiesUKLtd | pCR | 　[Nokia]:Clarificationaskedandproposechanges.[Keysight]: Clarification to Nokia | available |  |
|  |  | S3‑220692 | Newthreatforconfidentiality,integrityandreplaybetweenAAnFandAF/NEF | KeysightTechnologiesUKLtd | CR | 　MCC commented that the CR didn’t have any revision marks. | available |  |
|  |  | S3‑220741 | AddingAAnFcriticalassetsandthreatstoTS33.926 | ZTECorporation | CR | 　 | withdrawn |  |
|  |  | S3‑220742 | AddingNetworkproductclassdescriptionfortheAAnFtoTS33.926. | ZTECorporation | CR | 　 | withdrawn |  |
|  |  | S3‑220743 | AKMAsubscriptionasynchronization\_Test\_Case | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220767 | AddingAAnFcriticalassetsandthreatstoTS33.926 | ZTECorporation | draftCR | 　 | available |  |
|  |  | S3‑220768 | AddingNetworkproductclassdescriptionfortheAAnFtoTS33.926 | ZTECorporation | draftCR | 　 | available |  |
|  |  | S3‑220808 | SkeletonforTS33.537(SCASforAAnF) | ChinaMobile | draftTS | 　 | available |  |
|  |  | S3‑220809 | ScopeofTS33.537 | ChinaMobile | pCR | 　 | available |  |
| 4.6 | NewWIDonSCASforsplit-gNBproductclasses | S3‑220988 | ProposedskeletonforTS33.742 | QualcommIncorporated | other | 　[DeutscheTelekom]:aggreesontheproposedskeletonforTS33.742.[Huawei] proposes to remove the SBA related clauses or mark as not applicable from the start since all the target NPs do not support SBIs anyway. | available |  |
|  |  | S3‑220989 | ProposedscopeforTS33.742 | QualcommIncorporated | other | 　[DeutscheTelekom]:agreesontheproposedscopeforTS33.742 | available |  |
|  |  | S3‑220990 | DiscussiononhowtodocumenttestcasesinTS33.742 | QualcommIncorporated | discussion | 　[DeutscheTelekom]:providesviewonTS33.742/TS33.511alignment[Huawei] comments that there is no need to endorse anything and that the first approach is more in line with the drafting rules | available |  |
| 4.7 | SecurityAspectsofProximitybasedservicesin5GSProSe(Rel-17) | S3‑220679 | ReplytoLSonnewreferencepointnamefortheinterfacebetweenPKMFandUDMin5GProSe | S2-2203018 | LSin | 　 | available |  |
|  |  | S3‑221003 | pCRtoTS33.503Abbreviationsupdate | CATT | pCR | 　 | available |  |
|  |  | S3‑220966 | Referencepointname | Ericsson | pCR | 　 | available |  |
|  |  | S3‑221005 | pCRtoTS33.503Clause4.2Updatereferencepointnamebetween5GPKMFandUDM | CATT | pCR | 　[Ericsson] : provides question on merging documents | available |  |
|  |  | S3‑221025 | 33.503:UpdatesinClause4.2 | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑221026 | 33.503:UpdatesinClause5.2.5 | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑220847 | Clarificationonrestricteddiscoveryprocedures | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220851 | AddsubclauseabouttherestricteddiscoveryforUE-to-Networkrelay | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220997 | CRtoProSeTS–AnupdateonMICcalculationfordiscoverymessage | QualcommIncorporated | pCR | 　 | available |  |
|  |  | S3‑220998 | CRtoProSeTS–Clarificationondiscoverymessageprotection | QualcommIncorporated | pCR | 　 | available |  |
|  |  | S3‑221000 | Updateon5GProSerestricteddiscoveryprocedureforU2Nrelay | QualcommIncorporated | pCR | 　 | available |  |
|  |  | S3‑221027 | 33.503:UpdatesinClause6.1.3.2 | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑221028 | 33.503:ClarifiacationonMICCheckinOpenDiscovery | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑221029 | 33.503:GeneralDescriptionforProSeU2NRelayDiscoverySecurity | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑221030 | 33.503:AddSecurityRequirementforProSeU2NRelayDiscovery | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑221031 | 33.503:ControlPlanebasedSecurityProcedureforProSeU2NRelayDiscovery | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑221032 | 33.503:UserPlanebasedSecurityProcedureforProSeU2NRelayDiscovery | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑221033 | 33.503:DerivationofDiscoveryKeysforProSeU2NRelayDiscovery | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑221141 | RelayDiscoveryclarifications | PhilipsInternationalB.V. | pCR | 　 | available |  |
|  |  | S3‑220874 | Securitycapabilitynegotiationduringunicastestablishmentafterrestricteddiscovery | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220968 | RephrasingClause6.2.1toemphasizethatsecurityparametersforPC5DirectCommunicationaredeterminedduringDirectDiscovery | Ericsson | pCR | 　 | available |  |
|  |  | S3‑220969 | Restructureofsecurityrequirementsfor5GProSeUE-to-networkrelay | Ericsson | pCR | 　 | available |  |
|  |  | S3‑221007 | pCRtoTS33.503Clause6.3UpdatesecurityrequirementsofUE-to-NetworkRelay | CATT | pCR | 　 | available |  |
|  |  | S3‑221012 | pCRtoTS33.503Clause6.3UpdatesecurityrequirementsofLayer-3UE-to-NetworkRelay | CATT | pCR | 　 | available |  |
|  |  | S3‑221013 | pCRtoTS33.503Clause6.3RemoveunnecessarydescriptionfromUP-basedandCP-basedprocedures | CATT | pCR | 　 | available |  |
|  |  | S3‑221015 | pCRtoTS33.503Clause6.3Solutionforco-existenceofUPandCPsecurityoptions | CATT | pCR | 　 | available |  |
|  |  | S3‑221034 | 33.503:UpdatestoGeneralSecurityRequirementsforU2NRelayCommunication | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑221035 | 33.503:UpdatestoSecurityRequirementsforU2NRelayCommunicationviaL3RelayUE | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑221036 | DiscussiononPC5KeyHierarchyforProSeU2NRelayCommunication | XiaomiTechnology | discussion | 　 | available |  |
|  |  | S3‑220746 | RemovetheENintheclause6.3.3.2.2 | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220842 | AddingUDMServicesforSUCIdeconcealandauthorizationinformationretrieval | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220843 | RemoteUEIdentityprovisioninginUE-to-NetworkRelaycommunicationsecurityprocedureoveruserplane | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220869 | ClarificationonPRUKID | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220881 | ClarificationonthedescriptionofPRUK | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220967 | RemoteUEReportinUPbasedsolution | Ericsson | pCR | 　 | available |  |
|  |  | S3‑220971 | DiscussiononUEIDprivacyforRemoteUEReport | Ericsson | discussion | 　 | available |  |
|  |  | S3‑220972 | PLMNIDinDirectSecurityModeFailure | Ericsson | pCR | 　 | available |  |
|  |  | S3‑220973 | KNRPkeyderivation | Ericsson | pCR | 　[Ericsson] : provides question on merge of documents | available |  |
|  |  | S3‑220994 | PC5securitypolicyprovisioningforuser-planeL3U2Nrelaysolution | QualcommIncorporated,Ericsson | pCR | 　 | available |  |
|  |  | S3‑220995 | ClarificationonthePC5linkestablishmentforuser-planeL3U2Nrelaysolution | QualcommIncorporated | pCR | 　[Huawei, HiSilicon]: This contribution can be revised before approval.[China Telecom]: Generally fine with this contribution and add some proposal.[Ericsson] : provides comments and questions | available |  |
|  |  | S3‑220999 | CRtoProSeTS–RemovinganEditor’sNoteinuserplanebasedU2Nprocedure | QualcommIncorporated | pCR | 　 | available |  |
|  |  | S3‑221001 | CRtoProSeTS-ClarificationonKnrpderivationforU2Nrelayoveruserplane | QualcommIncorporated | pCR | 　 | available |  |
|  |  | S3‑221037 | DiscussiononSecurityforProSeU2NRelayCommunicationoverUserPlane | XiaomiTechnology | discussion | 　 | available |  |
|  |  | S3‑221038 | 33.503:UpdatetoSecurityProcedureoverUserPlane | XiaomiTechnology,ChinaTelecom | pCR | 　 | available |  |
|  |  | S3‑221039 | 33.503:PRUKDerivationforProSeU2NRelaySecurityoverUserPlane | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑221140 | UPbasedsecurityselection | Nokia,NokiaShanghaiBell,Interdigital,LGE,Samsung | pCR | 　 | available |  |
|  |  | S3‑220706 | ClarifyrelationshipbetweenKAUSF,KAUSF\_Pand5GPRUK | ChinaTelecomunicationCorp. | pCR | 　 | available |  |
|  |  | S3‑220707 | Clarifythenecessityofrefreshing5GPRUKduringCP-basedSecurityProcedure | ChinaTelecomunicationCorp. | pCR | 　 | available |  |
|  |  | S3‑220734 | UpdateSecurityprocedureoverCPwithusingPRUKIDinDCR | InterDigital,Europe,Ltd.,,Samsung,LGElectronics,Nokia,NokiaShanghaiBell,Ericsson,VerizonWireless,MITRE,ConvidaWirelessLLC,PhilipsInternationalB.V. | pCR | 　>>CC\_1<<[IDCC] presents[Huawei] disagrees with this proposal. Key derivation should be done in existing NF rather than PAnF.[CATT] objects with 8 concerns.[IDCC] asks the clear position from Huawei and CATT.[Huawei] and [CATT] clarifies[Chair] clarifies the status and way forward methodology, and asks whether compromise can be made.[CATT] clarifies the position..[IDCC] clarifies.[CATT] withdraws objecting to introduce new anchor function[Chair] now there is consensus to introduce new anchor function.[IDCC] presents further.[Huawei] can accept using AUSF only to access the key / visit PAnF. (894 is discussion paper to show the reason)[CATT] has similar view as Huawei. can make solution as simple as possible, by reusing routing ID.[IDCC] clarifies.[Chair] asks whether compromise can be made.[Ericsson] comments, the concern from Huawei and CATT is not severe[Chair] as the meeting suddenly interrupted, the question should goes to email list and discussed for tomorrow session to make show of hands[CATT] asks about show of hands.[Chair] clarifies show of hands to decides working agreement. Any resolution based on WA will go to SA plenary.[CATT] asks to set question about support CP based solution or not.[Chair] request to discuss the question on email list.>>CC\_1<< | available |  |
|  |  | S3‑220735 | 5GPRUK/5GPRUKIDStorageOptionsandWayForward | InterDigital,Europe,Ltd.,Ericsson | discussion | 　 | available |  |
|  |  | S3‑220736 | PAnFsupportedservicesdiscussion | InterDigital,Europe,Ltd. | discussion | 　[Huawei, HiSilicon]: Propose to use another Discussion Paper in S3-220894 as the baseline to discuss the CP solutions. | available |  |
|  |  | S3‑220737 | UpdateSecurityprocedureoverCPwithusingPRUKIDinDCR(alt#2) | InterDigital,Europe,Ltd. | pCR | 　[Huawei, HiSilicon]: Ask for clarification about the purpose of sending 5GPRUK ID to the U2NW relay.[LGE]: provides feedback to Huawei.[Huawei, HiSilicon]: provides clarification and re-formulate the question.[ZTE]: Ask for clarification.[LGE]: provides feedback to Huawei and ZTE. | available |  |
|  |  | S3‑220744 | Addsomecontextabout5GPRUKIDrejectcasesintheclause6.3.3.3.2 | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220745 | ClarificationonAUSFinstancestoreinUDM | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220747 | Updatetheclause6.3.3.3.3 | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220815 | ENresolutionforSecondaryAuthenticationforRemoteUEwithL3U2NrelaywithoutN3IWF(Alt1) | LGElectronicsInc. | pCR | 　 | available |  |
|  |  | S3‑220816 | ENresolutionforSecondaryAuthenticationforRemoteUEwithL3U2NrelaywithoutN3IWF(Alt2) | LGElectronicsInc. | pCR | 　 | available |  |
|  |  | S3‑220817 | Revocation\_ReAuthforSecondaryAuthenticationforRemoteUE | LGElectronicsInc. | pCR | 　 | available |  |
|  |  | S3‑220827 | DeleteofCPbasedsolution | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220828 | DeleteofSecondaryauthentication | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220829 | AddressENofsecondaryauthentication | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220844 | RemoteUEauthorizationcheckinUE-to-NetworkRelaycommunicationsecurityprocedureovercontrolplane | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220845 | ResolvingtheENontheneedsandusageof5GPRUKID | Huawei,HiSilicon | pCR | 　>>CC\_1<<[IDCC] comments.>>CC\_1<< | available |  |
|  |  | S3‑220846 | Formatof5GPRUKID | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220850 | KeyderivationrelatedclarificationinCP-basedUE-to-Networkrelayprocedures | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220852 | Terminologyalignmentfor5GProSeRemoteUEspecificauthentication | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220868 | ClarificationonKAUSF\_P | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220882 | Clarificationonthesecondaryauthenticationprocedure | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220883 | Updategeneralclauseforsecondaryauthentication | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220894 | DiscussionforkeystorageandderivationinUE-to-NetworksecurityprocedureoverControlPlane | Huawei,HiSilicon | pCR | 　>>CC\_1<<[Huawei] presents.>>CC\_1<< | available |  |
|  |  | S3‑220934 | SecurityprotocoloverCPwith5GAKAtoestablishPC5keys | THALES | pCR | 　 | available |  |
|  |  | S3‑220936 | SecurityprotocoloverCPwith5GProSesecuritycontextintheUSIM | THALES | pCR | 　 | available |  |
|  |  | S3‑220965 | CorrectionstoCPbasedsolution | Ericsson | pCR | 　 | available |  |
|  |  | S3‑220970 | RemoteUEReportinCPbasedsolution | Ericsson | pCR | 　 | available |  |
|  |  | S3‑221014 | pCRtoTS33.503Clause6.3ClarificationtextforKausf\_p | CATT | pCR | 　 | available |  |
|  |  | S3‑221016 | pCRtoTS33.503Clause6.3UpdatesecurityprocedureoverControlPlane | CATT | pCR | 　 | available |  |
|  |  | S3‑221137 | CPbasedsecurityselection | Nokia,NokiaShanghaiBell,Interdigital,LGE,Samsung | pCR | 　 | available |  |
|  |  | S3‑221138 | derive5GPRUKbasedonKausf\_p | Nokia,NokiaShanghaiBell,Interdigital,LGE,Samsung | pCR | 　 | available |  |
|  |  | S3‑221139 | authorizationofremoteUE | Nokia,NokiaShanghaiBell,Interdigital,LGE,Samsung | pCR | 　 | available |  |
|  |  | S3‑220848 | ClarificationonthesecurityofL2U2NW | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑221040 | 33.503:UpdatesinClause6.3.4 | XiaomiTechnology | pCR | 　 | available |  |
|  |  | S3‑220825 | IntegrityprotectionofDCRmessage | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220826 | ClarificationontheprivacyprotectionofDCR | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220996 | CRtoProSeTS-AddresstheEditor’sNotesinclause6.3.5 | QualcommIncorporated | pCR | 　 | available |  |
|  |  | S3‑220748 | Updatetheclause7.4.2 | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220830 | Addanewclausefor5GProSeLayer-3UE-to-NetworkRelaywithN3IWFsupport | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220974 | CRforProsechangestoTS33.220inRel-17 | Ericsson | CR | 　 | available |  |
|  |  | S3‑221006 | pCRtoTS33.503Wordingupdate | CATT | pCR | 　 | available |  |
|  |  | S3‑220640 | ReplytoLSonnewreferencepointnamefortheinterfacebetweenPKMFandUDMin5GProSe | S2-2203018 | LSin | 　 | revised | S3‑220679 |
|  |  | S3‑220855 | Clarification | Huawei,HiSilicon | pCR | 　 | withdrawn |  |
|  |  | S3‑221149 | 5GProsequestionsonCPforshow-of-hands | Interdigital,CATT | other | 　[Interdigital]: announce initial draft for CP contentious issues and SoH questions>>CC\_offlineProSeCall<<[IDCC] presents[Chair] asks whether this question could make merger easier.[IDCC] confirms.[IDCC] figures out Q1 is more important.[Oppo] comments[IDCC] clarifies[Chair] asks whether Q1 & Q2 are for CP based solution[IDCC] clarifies [Chair] asks whether Q1 & Q2 has higher priority.[CATT] comments the question currently is not very clear. Not very simple. Q1 should be which NF is used t o store key. Q2 should be which NF accesses the key. And Q3...[IDCC] is ok with the proposal and will extend Q2.[Chair] asks to revise Q3.[Vivo] asks the procedure about show of hands.[Chair] clarifies.>>CC\_offlineProSeCall<< | reserved |  |
| 4.8 | EnhancedsecurityforPhase2networkslicing(Rel-17) | S3‑220799 | AddressENonalignmenttoSA2 | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑221047 | ResolvingthealignmentrelatedENforNSACFSubscription/unsubscriptionprocedure | XiaomiCommunication | CR | 　 | available |  |
|  |  | S3‑220800 | AddressENonAFAuthorization | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑221050 | UpdateSubscriptionandunsubscriptionprocedureofNSACFnotificationservice | XiaomiCommunication | CR | 　 | available |  |
|  |  | S3‑221061 | ClarificationonAFauthorizationfortheNSACFnotificationprocedure | Ericsson | CR | 　 | available |  |
| 4.9 | SecurityAspectsofeNPN(Rel-17) | S3‑220837 | FormatofanonymousSUCI | Huawei,HiSilicon | CR | 　[Ericsson] : Clarification needed | available |  |
|  |  | S3‑220838 | LSonanonymousSUCI | Huawei,HiSilicon | LSout | 　[Ericsson] : Clarification needed | available |  |
|  |  | S3‑220863 | AddressEnsforNPN | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220912 | DefinitionofAnonymousSUCI | Ericsson,Qualcomm | CR | 　 | available |  |
|  |  | S3‑220913 | UDMinteractionforAnonymousSUCI | Ericsson | CR | 　 | available |  |
|  |  | S3‑220914 | RemovingEditor’snoteonusingonlynull-schemeSUCI | Ericsson | CR | 　 | available |  |
|  |  | S3‑220915 | AnonymousSUCIforonboarding | Ericsson | CR | 　 | available |  |
|  |  | S3‑220916 | ClarificationSUPIprivacyforNPN | Ericsson | CR | 　 | available |  |
|  |  | S3‑221002 | ResolvingEditor’snoteonusingonlynull-schemeSUCI | QualcommIncorporated | CR | 　 | available |  |
|  |  | S3‑221008 | Resolutionofeditor'snoterelatingtoanonymizingSUPIorskippingdefaultcredentialidentifier. | Nokia,NokiaShanghaiBell | CR | 　[Ericsson] : proposes to merge in S3-221049[Nokia] : Accepts merge proposal | available |  |
|  |  | S3‑221009 | Resolutionofeditor'snoterelatingtousageofSUPIasaverifiableidentifier | Nokia,NokiaShanghaiBell | CR | 　[Ericsson] : proposes to merge in S3-221049[Nokia] : Accepts merge proposal | available |  |
|  |  | S3‑221010 | Resolutionofeditor’snoterelatingtoexclusiveuseofanonymizedSUCI. | Nokia,NokiaShanghaiBell | CR | 　 | available |  |
|  |  | S3‑221011 | ResolutionofinconsistencyinSUCIusageduringUEonboarding. | Nokia,NokiaShanghaiBell | CR | 　 | available |  |
|  |  | S3‑221049 | ResolvingtheEditor’sNotesforUEonboardinginSNPNs | XiaomiCommunication,Ericsson | CR | 　[Ericsson] : proposes that this contribution is the baseline for a merger of documents that resolve the ENs in Annex I.9.2.1 | available |  |
|  |  | S3‑221111 | DerivationofSUPIfromdefaultUEcredentials | Ericsson,CableLabs,Intel,Qualcomm,Philips | CR | 　[Ericsson] : proposes to merge in S3-221049 | available |  |
|  |  | S3‑221112 | RemovingENonUEbeinguniquelyidentifiableandverifiablysecure | Ericsson,CableLabs,Intel,Qualcomm,Xiaomi,Philips | CR | 　[Ericsson] : proposes to merge in S3-221049 | available |  |
|  |  | S3‑220688 | ClarificationstosecondaryauthenticationforUEonboarding | IntelCorporation(UK)Ltd | CR | 　MCC commented that there were revision marks on the CR cover page.[Ericsson] : proposes to merge in S3-220939 and discuss updates to Annex I.9.2.4 in the thread for S3-220939 | available |  |
|  |  | S3‑220939 | CorrectionsandclarificationstosecondaryauthenticationduringUEonboarding | Ericsson | CR | 　[Ericsson] : provides revision r1 | available |  |
|  |  | S3‑220937 | TerminologycorrectionforsecurityofUEonboarding | Ericsson | CR | 　 | available |  |
|  |  | S3‑220938 | PWSforNon-PublicNetworks | Ericsson | CR | 　 | available |  |
|  |  | S3‑220942 | ImplementationcorrectionofCR1309 | Ericsson | CR | 　 | available |  |
|  |  | S3‑221048 | UpdateFigure:I.2.2.2.2-1forconsistentserviceoperationnames | XiaomiCommunication | CR | 　 | available |  |
|  |  | S3‑220940 | DerivationofSUPIfromdefaultUEcredentials | Ericsson,CableLabs,Intel,Qualcomm | CR | 　 | revised | S3‑221111 |
|  |  | S3‑220941 | RemovingENonUEbeinguniquelyidentifiableandverifiablysecure | Ericsson,CableLabs,Intel,Qualcomm,Xiaomi | CR | 　 | revised | S3‑221112 |
| 4.10 | SecurityAspectsofEnhancementsfor5GMulticast-BroadcastServices(Rel-17) | S3‑220650 | LSontheimpactofMSKupdateonMBSmulticastsessionupdateprocedure | C1-221747 | LSin | 　[Huawei]: No action is required for SA3. It’s proposed to note the LS. | available |  |
|  |  | S3‑220658 | LSonClarificationonMBSSecurityContext(MSK/MTK)Definitions | C4-222303 | LSin | 　 | available |  |
|  |  | S3‑220958 | ReplyLSonClarificationonMBSSecurityContext(MSK/MTK)Definitions | Ericsson | LSout | 　 | available |  |
|  |  | S3‑221145 | LSonSecurityarchitecturefor5Gmulticast/broadcastservices | S4-220531 | LSin | 　>>CC\_1<<[VC] presents[Huawei] prepares a reply LS and asks to review it>>CC\_1<< | available |  |
|  |  | S3‑220871 | ReplyLSonsecurityarchitecturefor5Gmulticast-broadcastservices | Huawei,HiSilicon | LSout | 　>>CC\_1<<[Huawei] presents.[Chair] requests to discuss and decides before Wednesday.>>CC\_1<< | available |  |
|  |  | S3‑221146 | ResponseLSonClarificationsonNmbstf\_MBCDistributionSessionservice | S4-220575 | LSin | 　[Huawei]: No action is required for SA3. It’s proposed to note the LS. | available |  |
|  |  | S3‑221148 | ReplyLSonsecondaryauthenticationformulticastPDUsession | S2-2201311 | LSin | 　 | available |  |
|  |  | S3‑220923 | RemovingENonsecondaryauthentication | Ericsson | CR | 　 | available |  |
|  |  | S3‑220858 | RemovingtheEditor’sNoteandaddclarificationsinthesecuritymechanismsforMBS | Huawei,HiSilicon | CR | 　[Nokia]: Partially disagree and suggests changes. | available |  |
|  |  | S3‑220860 | Enhancementforserviceannouncement | Huawei,HiSilicon | CR | 　[Nokia]: Partially disagree and suggests changes. | available |  |
|  |  | S3‑221135 | MBScapabilityexchangeanddeliverymethod | Samsung | CR | 　 | available |  |
|  |  | S3‑220859 | Clarificationsonthecontrol-planeanduser-planeprocedures | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220870 | Clarificationsonthemulticastsecuritycontexthandlinginsessioncreationprocedure | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220611 | LSontheimpactofMSKupdateonMBSmulticastsessionupdateprocedure | C1-221747 | LSin | 　 | revised | S3‑220650 |
|  |  | S3‑220619 | LSonClarificationonMBSSecurityContext(MSK/MTK)Definitions | C4-222303 | LSin | 　 | revised | S3‑220658 |
|  |  | S3‑220636 | ReplyLSonsecondaryauthenticationformulticastPDUsession | S2-2201311 | LSin | 　 | revised | S3‑220675 |
|  |  | S3‑220675 | ReplyLSonsecondaryauthenticationformulticastPDUsession | S2-2201311 | LSin | 　[Huawei]: No further action is required for SA3. It’s proposed to note the LS. | revised | S3‑221148 |
| 4.11 | SecurityAspectsofEnhancementofSupportforEdgeComputingin5GC(Rel-17) | S3‑220652 | LSonAFspecificUEIDretrieval | C3-221735 | LSin | 　 | available |  |
|  |  | S3‑220653 | ReplyLSonAFspecificUEIDretrieval | S6-220976 | LSin | 　 | available |  |
|  |  | S3‑220654 | ReplyLSonAFspecificUEIDretrieval | S2-2203426 | LSin | 　 | available |  |
|  |  | S3‑220918 | [DRAFT]ReplyLSonAFspecificUEIDretrieval | Ericsson | LSout | 　 | available |  |
|  |  | S3‑221080 | MEC-ReplyLSonAFspecificUEIDretrieval(C3-221735) | Apple | LSout | 　 | available |  |
|  |  | S3‑220676 | ReplyLStoGSMAOPGonFurtherOperatorPlatformGroupquestionsfollowingSDOWorkshop | SP-220346 | LSin | 　 | available |  |
|  |  | S3‑220677 | ReplyLSonFurtherGSMAOPAGquestionsfollowingSDOWorkshop | S2-2201721 | LSin | 　 | available |  |
|  |  | S3‑220681 | ReplyLStoETSIMEConMECFederationandinteresttocollaborate | S6-220931 | LSin | 　 | available |  |
|  |  | S3‑220922 | ClarificationofaccesstokenusageinEC | Ericsson | CR | 　 | available |  |
|  |  | S3‑221120 | ClarificationonselectedEDGEauthenticationmethodindication | Samsung | CR | 　 | available |  |
|  |  | S3‑221130 | Editorialcorrectionsandtechnicalclarifications | Ericsson | CR | 　 | available |  |
|  |  | S3‑220613 | LSonAFspecificUEIDretrieval | C3-221735 | LSin | 　 | revised | S3‑220652 |
|  |  | S3‑220614 | ReplyLSonAFspecificUEIDretrieval | S6-220976 | LSin | 　 | revised | S3‑220653 |
|  |  | S3‑220615 | ReplyLSonAFspecificUEIDretrieval | S2-2203426 | LSin | 　 | revised | S3‑220654 |
|  |  | S3‑220637 | ReplyLStoGSMAOPGonFurtherOperatorPlatformGroupquestionsfollowingSDOWorkshop | SP-220346 | LSin | 　 | revised | S3‑220676 |
|  |  | S3‑220638 | ReplyLSonFurtherGSMAOPAGquestionsfollowingSDOWorkshop | S2-2201721 | LSin | 　 | revised | S3‑220677 |
|  |  | S3‑220642 | ReplyLStoETSIMEConMECFederationandinteresttocollaborate | S6-220931 | LSin | 　 | revised | S3‑220681 |
|  |  | S3‑220921 | Editorialcorrectionsandtechnicalclarifications | Ericsson | CR | 　 | revised | S3‑221130 |
| 4.12 | Non-seamlessWLANOffloadin5GS(Rel-17) | S3‑220655 | LSon5GNSWOroamingaspects | S2-2203253 | LSin | 　 | available |  |
|  |  | S3‑220656 | ReplyLSon5GNSWOroamingaspects | C3-222487 | LSin | 　[Nokia]:NokiaisproposingtonotetheLS | available |  |
|  |  | S3‑220657 | ReplyLSon5GNSWOroamingaspects | C4-222436 | LSin | 　[Nokia]:NokiaisproposingtonotetheLS | available |  |
|  |  | S3‑220697 | LSreplyon5GNSWOroamingaspects | Nokia,NokiaShanghaiBell | LSout | 　 | available |  |
|  |  | S3‑221019 | DraftLSonNSWOsecurity | Ericsson | LSout | 　 | available |  |
|  |  | S3‑220698 | NSWOalignmentwithSA2specs | Nokia,NokiaShanghaiBell | CR | 　 | available |  |
|  |  | S3‑221098 | ClarificationontheNSWOintheUEside | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220818 | SummaryforNon-SeamlessWLANoffloadauthenticationin5GS | NokiaSolutions&Networks(I) | WIsummary | 　 | available |  |
|  |  | S3‑221018 | NSWOsecurityrevisited | Ericsson,DeutscheTelekom,Vodafone | discussion | 　[Nokia]:Clarificationrequired | available |  |
|  |  | S3‑220616 | LSon5GNSWOroamingaspects | S2-2203253 | LSin | 　 | revised | S3‑220655 |
|  |  | S3‑220617 | ReplyLSon5GNSWOroamingaspects | C3-222487 | LSin | 　 | revised | S3‑220656 |
|  |  | S3‑220618 | ReplyLSon5GNSWOroamingaspects | C4-222436 | LSin | 　 | revised | S3‑220657 |
| 4.13 | SecurityAspectsofUserConsentfor3GPPservices(Rel-17) | S3‑220622 | ReplyLSonNTNspecificUserConsent | R2-2201754 | LSin | 　 | revised | S3‑220661 |
|  |  | S3‑220661 | ReplyLSonNTNspecificUserConsent | R2-2201754 | LSin | 　 | available |  |
|  |  | S3‑220864 | AddressENforUC3S | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220865 | ClarificationonEnforcementPointforUserConsent | Huawei,HiSilicon | CR | 　 | available |  |
| 4.14 | SreviceBasedArchitecture(Rel-15/16/17) | S3‑220724 | ClarificationonseparatehandlingofN32-candN32-f | Nokia,NokiaShanghaiBell,Ericsson,Mavenir,Lenovo,DeutscheTelekom,NCSC,Xiaomi,BT,AT&T,Interdigital | CR | 　>>CC\_1<<[Nokia] proposes to mark as WA and send back to SA again.[Huawei] doesn’t agree to send as WA without discussion.>>CC\_1<< | available |  |
|  |  | S3‑220725 | ClarificationonseparatehandlingofN32-candN32-f | Nokia,NokiaShanghaiBell,Ericsson,Mavenir,Lenovo,DeutscheTelekom,NCSC,Xiaomi,BT,AT&T,Interdigital | CR | 　 | available |  |
|  |  | S3‑220726 | ClarificationonseparatehandlingofN32-candN32-f | Nokia,NokiaShanghaiBell,Ericsson,Mavenir,Lenovo,DeutscheTelekom,NCSC,Xiaomi,BT,AT&T,Interdigital | CR | 　 | available |  |
|  |  | S3‑220728 | AuthorizationofN32-fconnectionestablishmentwithTLS | Nokia,NokiaShanghaiBell | CR | 　 | available |  |
|  |  | S3‑220729 | AuthorizationofN32-fconnectionestablishmentwithTLS | Nokia,NokiaShanghaiBell | CR | 　 | available |  |
|  |  | S3‑220731 | ResolvingENonauthorizationbetweenSCPs | Nokia,NokiaShanghaiBell | CR | 　 | available |  |
|  |  | S3‑221099 | RemovingtheEnsontheSCPauthorization | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220765 | Addingauthorizationfordelegateddiscovery | ChinaTelecommunications | CR | 　>>CC\_1<<[CT] presents[Ericsson] comments, confused with motivation about delegate discovery.[CT] clarifies.[Nokia] comments.[Chair] suggests to continue discussion>>CC\_1<< | available |  |
|  |  | S3‑220766 | Addingauthorizationfordelegateddiscovery(mirror) | ChinaTelecommunications | CR | 　 | available |  |
|  |  | S3‑220943 | ClarificationonthecertificateprofileforSCPandSEPP | Ericsson,Nokia,NokiaShanghaiBell | draftCR | 　 | available |  |
|  |  | S3‑220944 | SEPPinterconnectcertificateprofile | Ericsson | other | 　 | available |  |
|  |  | S3‑220945 | ClarificationonCN-IDwhenitispresentedinthecertificate | Ericsson | CR | 　 | available |  |
|  |  | S3‑220946 | ClarificationonCN-IDwhenitispresentedinthecertificate | Ericsson | CR | 　 | available |  |
|  |  | S3‑220947 | ClarificationontheformatofcallbackURIintheNFcertificateprofile | Ericsson | CR | 　 | available |  |
|  |  | S3‑220948 | ClarificationontheformatofcallbackURIintheNFcertificateprofile | Ericsson | CR | 　 | available |  |
|  |  | S3‑220949 | ClarificationonaccesstokenrequestsforNFProducersofaspecificNFtypeandtoken-basedauthorizationforindirectcommunicationwithdelegateddiscovery | Ericsson | CR | 　 | available |  |
|  |  | S3‑220950 | ClarificationonaccesstokenrequestsforNFProducersofaspecificNFtypeandtoken-basedauthorizationforindirectcommunicationwithdelegateddiscovery | Ericsson | CR | 　 | available |  |
|  |  | S3‑220952 | LSonPLMNIDusedinRoamingScenarios | Ericsson | LSout | 　 | available |  |
|  |  | S3‑220951 | SEPPtoincludeandverifythesourcePLMN-ID | Ericsson,Nokia,NokiaShanghaiBell,Mavenir | draftCR | 　 | available |  |
|  |  | S3‑220953 | SEPPhandlingofPLMN-IDinRoamingscenariosforPLMNssupportingmorethanonPLMN-ID | Ericsson | other | 　 | available |  |
|  |  | S3‑220954 | ClarificationofSNIusageforNFclientsandservers | Ericsson | CR | 　 | available |  |
|  |  | S3‑221100 | ClarificationonIVusageonN32-fprotection-R15 | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑221101 | ClarificationonIVusageonN32-fprotection-R16 | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑221102 | ClarificationonIVusageonN32-fprotection-R17 | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑221103 | ClarificationonhandlingoftheincomingN32-fmessageinthepSEPPside–R15 | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑221104 | ClarificationonhandlingoftheincomingN32-fmessageinthepSEPPside–R16 | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑221105 | ClarificationonhandlingoftheincomingN32-fmessageinthepSEPPside–R17 | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑221131 | VerificationofNSSAIsforpreventingsliceattack | CableLabs,Ericsson,Nokia,NokiaShanghaiBell | draftCR | 　[DeutscheTelekom]:Asksforfurtherclarification | available |  |
|  |  | S3‑221133 | CheckingS-NSSAIagainstauthoritativeinformationsource | CableLabs,Nokia,NokiaShanghaiBell | other | 　 | available |  |
|  |  | S3‑221108 | CableLabs,Ericsson,Nokia,NokiaShanghaiBell | CableLabs | draftCR | 　 | withdrawn |  |
| 4.15 | SecurityAssurance-AllNFs(Rel-15/16/17) | S3‑220749 | CorrectiononclauseF.2.1inTS33.926-R16 | ZTECorporation | CR | 　 | available |  |
|  |  | S3‑220750 | CorrectiononclauseF.2.1inTS33.926-R17mirror | ZTECorporation | CR | 　 | available |  |
|  |  | S3‑220751 | UpdatethetestcaseinTS33.216clause4.2.2.1.10 | ZTECorporation | CR | 　 | available |  |
|  |  | S3‑220875 | DeleteUseCaseonFindingtherightNFinstanceareservingtheUE | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220876 | DeleteThreatAnalysisonFindingtherightNFinstanceareservingtheUE | Huawei,HiSilicon | CR | 　 | available |  |
| 4.16 | Rel-15/16/17maintenance(Alltopics) | S3‑220659 | LSonIndicationofNetworkAssistedPositioningmethod | C4-222306 | LSin | 　>>CC\_1<<[VC] presents.>>CC\_1<< | available |  |
|  |  | S3‑220872 | ReplyLSontheIndicationofNetworkAssistedPositioningmethod | Huawei,HiSilicon | LSout | 　>>CC\_1<<[Huawei] presents>>CC\_1<< | available |  |
|  |  | S3‑220699 | LSreplyonHigh-reliabilityrequirementofUAV | Nokia,NokiaShanghaiBell | LSout | 　>>CC\_1<<[Nokia] presents.>>CC\_1<< | available |  |
|  |  | S3‑220985 | ReplyLSonIndicationofNetworkAssistedPositioningmethod | QualcommIncorporated | LSout | 　>>CC\_1<<[QC] presents.[QC] would like to hold the pen[Huawei] is fine.[Nokia] comments, not agree with QC.[Chair] requests Huawei to hold the pen.[Huawei] prefers QC’s contribution and would like to use QC’s contribution as baseline.>>CC\_1<< | available |  |
|  |  | S3‑220700 | High-reliability requirement of UAV | Nokia,Nokia Shanghai Bell | CR | 　>>CC\_1<<[Nokia] presents.>>CC\_1<< | available |  |
|  |  | S3‑220984 | Clarificationon‘highreliability’locationinformation | QualcommIncorporated | CR | 　[Nokia]:Clarification asked | available |  |
|  |  | S3‑220803 | AddressENonUAVID | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220979 | ResolvingtheENonCAAlevelIDduringUUAAprocedures | QualcommIncorporated | CR | 　 | available |  |
|  |  | S3‑220804 | AddressENonUAVre-auth | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220964 | ResolvingofENinClause5.2.1.4UUAAre-authenticationprocedure | Lenovo | CR | 　 | available |  |
|  |  | S3‑220980 | ResolvingtheENsrelatedtore-authentication | QualcommIncorporated | CR | 　 | available |  |
|  |  | S3‑220960 | CorrectiontoClause5.2.1.5UUAARevocation | Lenovo | CR | 　 | available |  |
|  |  | S3‑220961 | CorrectiontoClause5.2.2.4UUAARevocation | Lenovo | CR | 　 | available |  |
|  |  | S3‑220977 | Addingtermsandabbreviations | QualcommIncorporated | CR | 　 | available |  |
|  |  | S3‑220978 | AddingtextfortheOverviewclause | QualcommIncorporated | CR | 　 | available |  |
|  |  | S3‑220981 | ResolvingtheENsonCAAlevelIDduringrevocation | QualcommIncorporated | CR | 　 | available |  |
|  |  | S3‑220982 | RemovingENonUSSauthorisation | QualcommIncorporated | CR | 　 | available |  |
|  |  | S3‑220983 | RemovingENonTPAE | QualcommIncorporated | CR | 　 | available |  |
|  |  | S3‑220986 | ResolvingtheENsonprotectionofUASdata | QualcommIncorporated | CR | 　 | available |  |
|  |  | S3‑220693 | AligningtextforAKMAprocedure | Nokia,NokiaShanghaiBell | CR | 　 | available |  |
|  |  | S3‑220694 | Clarificationonanonymizationapi | Nokia,NokiaShanghaiBell | CR | 　 | available |  |
|  |  | S3‑220752 | CorrectAAnFserviceinclause6.3 | ZTECorporation | CR | 　 | available |  |
|  |  | S3‑220753 | NFselectsAAnFinclause6.7 | ZTECorporation | CR | 　[Nokia]:Clarificationasked[ZTE]: Provide some clarification and R1.[Nokia]: Clarification asked and propose changes[ZTE]: Fine with Nokia's suggestion.MCC reminded that the WID code on the CR cover page should be related to the technical change.[Nokia]: Provided V2. | available |  |
|  |  | S3‑220770 | ClarificationonthedescriptionaboutAAnF | ChinaTelecomCorporationLtd. | CR | 　[Nokia]:Providingsuggestion | available |  |
|  |  | S3‑220807 | AAnFsendingGPSItointernalAKMAAF | ChinaMobile | CR | 　[Nokia]:Clarificationasked | available |  |
|  |  | S3‑220805 | IssueofNSSAAinmultipleregistration | Huawei,HiSilicon | discussion | 　 | available |  |
|  |  | S3‑220806 | IncludeSNIDinNSSAAprocedure | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑221088 | editorialchangesofENSI | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑221089 | mirror-editorialchangesofENSI | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220861 | AlignmentwithRAN2forLTEUPIP | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220862 | AddressENforLTEUPIP | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220959 | UPIP:mappingofEPSintegrityalgorithmtoNRintegrityalgorithm | Ericsson | CR | 　 | available |  |
|  |  | S3‑221143 | AvoidlinkagebetweensecurityfunctionsandUERadioAccessCapabilities | VODAFONE | CR | 　 | available |  |
|  |  | S3‑220962 | ClarificationtomultipleregistrationsindifferentPLMNs | Ericsson | CR | 　 | available |  |
|  |  | S3‑220963 | ClarificationtomultipleregistrationsindifferentPLMNs | Ericsson | CR | 　 | available |  |
|  |  | S3‑221132 | DiscussiononsecurityprocedureduringregistrationprocedureovertwodifferentPLMN | NECCorporation | discussion | 　 | available |  |
|  |  | S3‑221134 | UpdatetoNASsecuritycontextprocedurewhenUEisregisteringovertwodifferentPLMNs | NECCorporation | CR | 　 | available |  |
|  |  | S3‑220685 | ClarificationstosecondaryauthenticationPDUSessionContainer | IntelCorporation(UK)Ltd | CR | 　MCC commented that the mirrors in 686 and 687 should have the same WID code as the cat-F CR: TEI15. | available |  |
|  |  | S3‑220686 | ClarificationstosecondaryauthenticationPDUSessionContainer | IntelCorporation(UK)Ltd | CR | 　 | available |  |
|  |  | S3‑220687 | ClarificationstosecondaryauthenticationPDUSessionContainer | IntelCorporation(UK)Ltd | CR | 　 | available |  |
|  |  | S3‑220991 | DiscussiononUasecurityprotocolidentifierforPSKTLS1.3 | QualcommIncorporated | discussion | 　 | available |  |
|  |  | S3‑220992 | AddingaNoteaboutthenewUasecurityprotocolidentifierforTLS1.3 | QualcommIncorporated | CR | 　[Nokia]:Clarificationaskedandproposechanges. | available |  |
|  |  | S3‑220993 | AddinganewUasecurityprotocolidentifierforTLS1.3 | QualcommIncorporated | CR | 　 | available |  |
|  |  | S3‑220695 | UPUprocedurealignment | Nokia,NokiaShanghaiBell | CR | 　 | available |  |
|  |  | S3‑220696 | UPUprocedurealignment | Nokia,NokiaShanghaiBell | CR | 　 | available |  |
|  |  | S3‑220849 | Rel-16Addclarificationstounicastprocedures | Huawei,HiSilicon | CR | 　 | available |  |
|  |  | S3‑220873 | Rel-17Addclarificationstounicastprocedures | Huawei,HiSilicon | CR |  | available |  |
|  |  | S3‑220647 | LSonETSIPlugtest#6Observation10.1.11 | MotorolaSolutionsDanmarkA/S | LSout | 　 | available |  |
|  |  | S3‑220917 | Updatesto33.434forCoAPusage | Ericsson | CR | 　 | available |  |
|  |  | S3‑220935 | Editorialcorrectionandclarificationto33.501 | Ericsson | CR | 　 | available |  |
|  |  | S3‑221119 | [SBA]CRtoupdateNFprofileforinter-sliceaccess | Samsung | CR | 　 | available |  |
|  |  | S3‑220643 | CRonModernizationoftheIntegrity&EncryptionAlgorithmsbetweenUEandP-CSFC | DeutscheTelekomAG | CR | 　MCC commented that the CR number was missing on the cover page. | available |  |
|  |  | S3‑221076 | CR-33501-ClarificationonFastre-authentication | Apple | CR | 　 | available |  |
|  |  | S3‑221077 | CR-33501-ClarificationontheNASCOUNTforKeNBderivation | Apple | CR | 　 | available |  |
|  |  | S3‑221144 | E1interfacesecurityrequirements | VODAFONE | CR | 　 | available |  |
|  |  | S3‑220620 | LSonIndicationofNetworkAssistedPositioningmethod | C4-222306 | LSin | 　 | revised | S3‑220659 |
|  |  | S3‑220646 | DPonModernizationoftheIntegrity&EncryptionAlgorithmsbetweenUEandP-CSFC(forSIPSessions). | DeutscheTelekomAG | discussion | 　 | withdrawn |  |
| 5 | Studiesareas |  |  |  |  | 　 |  |  |
| 5.1 | Studyon5Gsecurityenhancementagainstfalsebasestations | S3‑221072 | 5GFBS-Conclusionforsolution#17 | Apple.Ericsson,Intel,Nokia,DeutscheTelekom,CableLabs,LGE,OPPO,Xiaomi,Huawei,NIST,TelecomItalia,AT&T | pCR | 　 | available |  |
|  |  | S3‑221073 | 5GFBS-DraftLStoRANplenaryontheconlcusionofsolution#17 | Apple | LSout | 　 | available |  |
|  |  | S3‑221075 | 5GFBS-Securityriskinlowerlayers | Apple | pCR | 　 | available |  |
|  |  | S3‑220710 | Addressingtheeditor’snotein6.27.2.1.1ofSol#27 | CableLabs,DeutscheTelekom,PhilipsInternationalB.V. | pCR | 　 | available |  |
|  |  | S3‑220711 | Addressingtheeditor’snotein6.27.2.1.7ofsol#27 | CableLabs,DeutscheTelekom,PhilipsInternationalB.V. | pCR | 　 | available |  |
|  |  | S3‑220712 | Addressingtheeditor’snotein6.27.2.2.1ofSol#27 | CableLabs,DeutscheTelekom,PhilipsInternationalB.V. | pCR | 　 | available |  |
|  |  | S3‑220713 | Addressingtheeditor’snote#1in6.27.2.2.4ofSol#27 | CableLabs,DeutscheTelekom | pCR | 　 | available |  |
|  |  | S3‑220714 | Addressingtheeditor’snote#2in6.27.2.2.4ofSol#27 | CableLabs,DeutscheTelekom,PhilipsInternationalB.V. | pCR | 　 | available |  |
|  |  | S3‑220715 | Removingincorrecttextsin6.27.2.2.4ofSol#27 | CableLabs,DeutscheTelekom,PhilipsInternationalB.V. | pCR | 　 | available |  |
|  |  | S3‑220716 | Removingredundanttextsin6.27.2.2.4ofSol# | CableLabs,DeutscheTelekom,PhilipsInternationalB.V. | pCR | 　 | available |  |
|  |  | S3‑220717 | Removingunrelatedtextsin6.27.2.2.4ofSol#27 | CableLabs,DeutscheTelekom,PhilipsInternationalB.V. | pCR | 　 | available |  |
|  |  | S3‑220718 | LSoutonauthenticityandreplayprotectionofsysteminformation | CableLabs,DeutscheTelekom,PhilipsInternationalB.V. | LSout | 　 | available |  |
|  |  | S3‑220792 | Updatetosolution#25 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220793 | Evaluationofsolution#4 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220794 | ConclusionforKI#3 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑221084 | DetectionofMitMattackswithsecretpaging | Lenovo | pCR | 　 | available |  |
| 5.2 | StudyonSecurityImpactsofVirtualisation | S3‑220705 | EvaluationofSolution#5 | JohnsHopkinsUniversityAPL,USNationalSecurityAgency,CableLabs,InterDigital,AT&T,CISAECD | pCR | 　 | available |  |
|  |  | S3‑220866 | Updateforsolution5 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220898 | AddingevaluationforSol#6 | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220976 | AddingconclusionsandrecommendationsrelatedtoKI#13 | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑221087 | correctionsonmeasurementsflowofsolution#5 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑221115 | KI#27update-requirements | MITRECorporation | pCR | 　 | available |  |
| 5.3 | StudyonSecurityAspectsofEnhancementforProximityBasedServicesin5GS | S3‑220754 | Keyissueonauthorizationinmulti-pathtransmissionforUE-to-NetworkRelayscenario | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220755 | KeyissueonauthorizationintheUE-to-UErelayscenario | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220756 | KeyissueonIntegrityandconfidentialityofinformationovertheUE-to-UERelay | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220757 | KeyissueonPrivacyofinformationovertheUE-to-UERelay | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220758 | KeyissueonSupportdirectcommunicationpathswitchingbetweenPC5andUu | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑221114 | NewKeyIssueonUE-to-UERelayTrustModel | OPPO | pCR | 　 | available |  |
|  |  | S3‑221116 | NewKI:RemoteUESecurityEstablishmentviaUE-to-UERelay | OPPO | pCR | 　 | available |  |
| 5.4 | StudyonenhancedSecurityAspectsofthe5GServiceBasedArchitecture | S3‑220727 | SecurityimprovementsofN32connection | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220932 | UpdatetoKIonroaminghub | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220933 | RequirementtoKIonroaminghub | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220931 | TrustinSEPPdeploymentscenarios | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑221136 | NewKIforAuthenticationofPLMNsoverIPX | CableLabs | pCR | 　 | available |  |
|  |  | S3‑220955 | NewKI,NRFvalidationofNFcforaccesstokenrequests | Ericsson | pCR | 　 | available |  |
|  |  | S3‑221096 | UpdateofSolution#12 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑221097 | UpdateofSolution#9 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220730 | ResolutionENauthorizationmethodnegotiationperKI7-Sol9 | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220732 | Newsol.forKI7onauthorizationmechanismnegotiation | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220733 | Conclusiononauthorizationmethodnegotiation | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220910 | RapporteurupdatetoTR33.875 | Nokia | pCR | 　 | available |  |
| 5.5 | StudyonenhancedsecurityfornetworkslicingPhase2 | S3‑221051 | eNS2\_Sec:Solution#1update | XiaomiCommunication | pCR | 　 | available |  |
|  |  | S3‑220795 | KI#2update-threatsandrequirements | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220796 | Newsolutionforpart1ofKI#2 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220797 | Newsolutionforpart2ofKI#2 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220798 | Conclusionforpart2ofKI#2 | Huawei,HiSilicon | pCR | 　 | available |  |
| 5.6 | Studyonprivacyofidentifiersoverradioaccess | S3‑220701 | NewcontentforTermsclauseonkeypropertiesofprivacy | InterDigital,Inc. | pCR | 　 | available |  |
|  |  | S3‑220702 | TR33.870–InformativeAnnexA | InterDigital,Inc. | pCR | 　 | available |  |
|  |  | S3‑220645 | DPonPost-QuantumSecureSubscriptionConcealedIdentifier | DeutscheTelekomAG | discussion | 　 | available |  |
|  |  | S3‑220644 | NewKIonPost-QuantumSecureSubscriptionConcealedIdentifier | DeutscheTelekomAG | pCR | 　 | available |  |
|  |  | S3‑220911 | NewkeyissueonSUPIlengthdisclosedbySUCI | Ericsson,Apple,AT&T,CableLabs,ChinaSouthernPowerGridCo,ConvidaWirelessLLC,Intel,Interdigital,JohnsHopkinsUniversityAPL,Lenovo,LGE,Mavenir,MITRE,NCSC,Oppo,Phillips,Samsung,Telefonica,USNIST,USNSA,VerizonWireless,Xiaomi,ZT | pCR | 　 | available |  |
|  |  | S3‑221078 | IDPrvc-SecurityissueonC-RNTI | Apple | pCR | 　 | available |  |
|  |  | S3‑220703 | NewkeyissueonTMGIPrivacy | InterDigital,Inc.,Convida | pCR | 　 | available |  |
|  |  | S3‑220704 | NewkeyissueonPINIDPrivacy | InterDigital,Inc. | pCR | 　 | available |  |
|  |  | S3‑220759 | NewsolutiononkeyissueSUPIlengthdisclosedbySUCI. | ChinaSouthernPowerGridCo.,Ltd,ZTE | pCR | 　 | available |  |
| 5.7 | StudyonStandardisingAutomatedCertificateManagementinSBA | S3‑220823 | NewKIforsecurityofcertificateupdate | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220824 | NewKIforSecurityprotectionofcertificateenrolment | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220919 | Anewkeyissueforsingleautomatedcertificatemanagementprotocolandprocedures | Ericsson | pCR | 　 | available |  |
|  |  | S3‑220928 | KeyissueonCMPv2adoptionandinitialNFtrustduringcertificateenrolment | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220920 | AnewkeyissuefortherelationbetweenNFlifecycleandcertificatelifecycle | Ericsson | pCR | 　 | available |  |
|  |  | S3‑220925 | KeyissueonRelationbetweenNFandCertificatelifecyclemanagement | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220924 | UpdateoftheintroductionandscopeofTR33.876skeleton | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220927 | KeyissueonMultiplecertificatestobeassociatedwithaNetworkFunction | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑221046 | KeyIssueonTrustChainofCertificateAuthorityHierarchy | BeijingXiaomiMobileSoftware | pCR | 　 | available |  |
|  |  | S3‑220926 | KeyissueonNetworkFunctioninstancesidentifiers | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220929 | KeyissueonCertificatesrevocationprocedures | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220930 | KeyissueonAutomatedcertificatemanagementforNetworkSlicing | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
| 5.8 | NewSIDonAKMAphase2 | S3‑220810 | SkeletonforTR33.737(AKMAph2) | ChinaMobile | draftTR | 　 | available |  |
|  |  | S3‑220811 | ScopeofTR33.737 | ChinaMobile | pCR | 　[Nokia]: provide r1 | available |  |
|  |  | S3‑220812 | ArchitecturalAsumptionsinTR33.737 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220813 | KeyissueofAKMAroaming | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220901 | KeyissueonAKMARoamingScenario | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑221057 | NewkeyissueonAKMAapplicationkeyrequestinhomeroutedandlocal-breakoutscenarios | XiaomiCommunication | pCR | 　 | available |  |
|  |  | S3‑221058 | NewkeyissueonSecureAAnFservicerequestinroamingscenariosofAKMA | XiaomiCommunication | pCR | 　 | available |  |
|  |  | S3‑221059 | NewkeyissueonsecurearchitectureforroamingscenariosinAKMA | XiaomiCommunication | pCR | 　 | available |  |
|  |  | S3‑221122 | NewKeyIssueonAKMARoaming | Samsung | pCR | 　 | available |  |
|  |  | S3‑221123 | NewsolutiononAKMARoaming | Samsung | pCR | 　 | available |  |
|  |  | S3‑221124 | NewsolutiononpushingAKMAcontexttovisitedPLMN | Samsung | pCR | 　 | available |  |
|  |  | S3‑220814 | KeyissueofintroducingapplicationproxyintoAKMA | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220902 | KIonAPfunctionintroduction | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑221052 | NewkeyissueonauthenticationproxyarchitectureforAKMA | XiaomiCommunication | pCR | 　 | available |  |
|  |  | S3‑221053 | Newkeyissueonprotectingapplicationserverswithdifferentsecurityrequirements | XiaomiCommunication | pCR | 　 | available |  |
|  |  | S3‑221054 | NewkeyissueonsecureAKMAapplicationkeyrequestinAKMAsupportingauthenticationproxy | XiaomiCommunication | pCR | 　[Nokia]: clarification asked | available |  |
|  |  | S3‑221055 | NewkeyissueonsecureauthorizationforAKMAsupportingauthenticationproxy | XiaomiCommunication | pCR | 　 | available |  |
|  |  | S3‑221056 | NewkeyissueonsecureidentificationofauthenticationproxyandapplicationserverinAKMAscenarios | XiaomiCommunication | pCR | 　 | available |  |
|  |  | S3‑221079 | AKMA-NewkeyissueofintroducingAPtoAKMAarchitecture | Apple | pCR | 　 | available |  |
|  |  | S3‑220760 | DiscussionpaperonAKMAapplicationcontextremoval. | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220761 | DiscussionpaperonAKMAinterworking | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220762 | NewKIonAKMAinterworking | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220897 | NewKIAKMAKafrefresh | OPPO | pCR | 　 | available |  |
|  |  | S3‑220899 | NewsolutionSecurityprocedureofKAFrefresh-MAC | OPPO | pCR | 　 | available |  |
|  |  | S3‑220900 | NewsolutionSecurityprocedureofKAFrefresh-Counter | OPPO | pCR | 　 | available |  |
|  |  | S3‑220906 | NewsolutionSecurityprocedureofKAF-Nonce | OPPO | pCR | 　 | available |  |
| 5.9 | NewStudyofSecurityaspectofhomenetworktriggeredprimaryauthentication | S3‑220831 | SkeletonofHNTRA | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220832 | ScopeofHNTRA | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220833 | AddingausecaseofinterworkingfromEPSto5G | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑221045 | NewUseCaseforSecurityofInterworking | BeijingXiaomiMobileSoftware | pCR | 　 | available |  |
|  |  | S3‑220819 | AusecaseofHONTRAinSoRprotectionservicesuspension | LGElectronicsFrance | pCR | 　 | available |  |
|  |  | S3‑220821 | AusecaseofHONTRAinUPUprotectionservicesuspension | LGElectronicsFrance | pCR | 　 | available |  |
|  |  | S3‑221043 | NewUseCaseforContinuityofSteeringofRoamingServiceDelivery | BeijingXiaomiMobileSoftware | pCR | 　 | available |  |
|  |  | S3‑221044 | NewUseCaseforContinuityofUEParametersUpdateServiceDelivery | BeijingXiaomiMobileSoftware | pCR | 　 | available |  |
|  |  | S3‑220892 | AddingausecaseofSoRCounterWraparound | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220835 | AddingausecaseofKakmarefresh | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220708 | NewKIonHomenetworktriggeredprimaryauthentication | ChinaTelecomunicationCorp. | pCR | 　 | available |  |
|  |  | S3‑220822 | AKeyissueinUPUprotectionservicesuspension | LGElectronicsFrance | pCR | 　 | available |  |
|  |  | S3‑220820 | AKeyissueinSoRprotectionservicesuspension | LGElectronicsFrance | pCR | 　 | available |  |
|  |  | S3‑221083 | HN-auth-NASbasedHNtriggeredauthentication | Apple | pCR | 　 | available |  |
|  |  | S3‑220834 | KIonScalabilityofthehometriggeredprimaryauthentication | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑221126 | NewSolutiononUDMinitiatedre-authenticationbasedonAUSFrequest | Samsung | pCR | 　 | available |  |
|  |  | S3‑220904 | KeyissueonHNtriggeringprimaryreauthentication | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑221127 | NewsolutiononHNinitiatedre-authenticationviaAUSF | Samsung | pCR | 　 | available |  |
|  |  | S3‑220905 | Reauthenticationduringthehandover | IntelCorporation(UK)Ltd | pCR | 　 | available |  |
|  |  | S3‑221128 | NewsolutiononUDMtriggeredkeyupdateprocecdurebasedonAAnFrequest | Samsung | pCR | 　 | available |  |
|  |  | S3‑221041 | KeyIssueonRefreshofLongLivedKeyKAUSF | BeijingXiaomiMobileSoftware | pCR | 　 | available |  |
|  |  | S3‑221129 | NewsolutiononUPUbasedre-authenticationprocedure | Samsung | pCR | 　 | available |  |
|  |  | S3‑221042 | KeyIssueonSecurityofInterworking | BeijingXiaomiMobileSoftware | pCR | 　 | available |  |
|  |  | S3‑221125 | NewKeyissueonHNinitiatedRe-authentication | Samsung | pCR | 　 | available |  |
|  |  | S3‑220836 | KIonSignallingoverhead | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220903 | KeyissueonKAFrefreshwithoutprimaryreauthentication | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑221093 | AddingakeyissueofMultipleregistrations | Huawei,HiSilicon | pCR | 　 | available |  |
| 5.10 | NewStudyonsecurityaspectsofenablersforNetworkAutomationfor5G-phase3 | S3‑220771 | draft\_TR\_33.738-skeletonforeNAsecurityph3 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220772 | ScopeofTR33.738 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220773 | OverviewofTR33.738 | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220720 | KeyissueonSecurityfordataandanalyticsexchangeinroaming | Nokia,NokiaShanghaiBell | pCR | 　[China mobile] : Clarifications requested. | available |  |
|  |  | S3‑220738 | NewKIonTopologyHidinginDataandAnalyticsExchange | ChinaTelecommunications | pCR | 　[China mobile] : propose to merge this contribution into 0774, and use 0774 as baseline. | available |  |
|  |  | S3‑220774 | KIonProtectionofdataandanalyticsexchangeinroamingcase | ChinaMobile | pCR | 　 | available |  |
|  |  | S3‑220740 | NewKIonauthorizationofselectionofparticipantNWDAFinstancesintheFederatedLearninggroup | ChinaTelecommunications | pCR | 　 | available |  |
|  |  | S3‑220721 | KeyissueonSecurityforAIMLmodelstorage | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220722 | KeyissueonSecurityforAIMLmodelsharing | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
|  |  | S3‑220723 | KeyissueonAnomalousNFbehaviourdetectionbyNWDAF | Nokia,NokiaShanghaiBell | pCR | 　 | available |  |
| 5.11 | NewStudyonSecurityEnhancementofsupportforEdgeComputing—phase2 | S3‑220763 | KeyissueonsecurityofEASDiscoveryProcedurewithEASDF | ZTECorporation | pCR | 　 | available |  |
|  |  | S3‑220877 | newKIonAuthenticationandAuthorizationwhenEHEinaVPLMN | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220878 | NewKIonSecurityforDNSserverIPaddress | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑220907 | NewKIEdgealgorithmselection | OPPO | pCR | 　 | available |  |
|  |  | S3‑221060 | NewkeyissueonauthenticationandauthorizationproblemfortheEEChostedintheroamingUE | XiaomiCommunication | pCR | 　 | available |  |
|  |  | S3‑220908 | NewsolutionAuthenticationalgorithmselectioninEDGE | OPPO | pCR | 　 | available |  |
|  |  | S3‑220909 | NewsolutionAuthenticationalgorithmselectionamongEEC,ECS,andEES | OPPO | pCR | 　 | available |  |
|  |  | S3‑221094 | TheScopeoftheFS\_EDGE\_Ph2 | Huawei,HiSilicon | pCR | 　 | available |  |
|  |  | S3‑221095 | TheSkeletonoftheFS\_EDGE\_Ph2 | Huawei,HiSilicon | pCR | 　 | available |  |
| 6 | NewStudy/Workitemproposals | S3‑220709 | NewSIDonPersonalIoTNetworksSecurityAspects | vivo,Apple,ZTE,Xiaomi,CATT,OPPO,ChinaUnicom,ChinaTelecom,CableLabs,InterDigital,LGE,Nokia,NokiaShanghaiBell,Lenovo,Motorolamobility,Philips | SIDnew | 　 | available |  |
|  |  | S3‑220719 | NewSID:StudyonSNAAPPsecuritY | NTTDOCOMOINC. | SIDnew | 　 | available |  |
|  |  | S3‑220764 | RevisedSIDonAKMAphase2 | ZTECorporation | SIDrevised | 　 | available |  |
|  |  | S3‑220791 | NewSIDonStudyonXRSecurity | ChinaMobile | SIDnew | 　 | available |  |
|  |  | S3‑220801 | DiscussiononRel-18studyfornetworkslicingsecurity | Huawei,HiSilicon,Lenovo,CATT,CAICT,ChinaMobile,ChinaUnicom,InterDigital,NEC,Nokia | SIDnew | 　 | available |  |
|  |  | S3‑220802 | NewSID:Rel-18studyfornetworkslicingsecurity | Huawei,HiSilicon,Lenovo,CATT,CAICT,ChinaMobile,ChinaUnicom,InterDigital,NEC,Nokia | SIDnew | 　[DeutscheTelekom]:supportstheSIDproposal | available |  |
|  |  | S3‑220853 | NewWIDonSecurityaspectsof5GIsolatedoperationforpublicsafety(IOPS) | Huawei,HiSilicon | WIDnew | 　 | available |  |
|  |  | S3‑220854 | Discussionpaperon5GIOPS | Huawei,HiSilicon | discussion | 　 | available |  |
|  |  | S3‑220856 | NewSIDonsecurityenhancementsfor5Gmulticast-broadcastservicesPhase2 | Huawei,HiSilicon | SIDnew | 　 | available |  |
|  |  | S3‑220857 | NewSIDonsecurityenhancementsfor5GCLoCationServicesPhase3 | Huawei,HiSilicon | SIDnew | 　 | available |  |
|  |  | S3‑220884 | Discussionpaperonsecurityenhancementsfor5GCLoCationServicesPhase3 | Huawei,HiSilicon | discussion | 　 | available |  |
|  |  | S3‑220867 | NewSIDonEnhancementofUserConsentfor3GPPServices | Huawei,HiSilicon | SIDnew | 　 | available |  |
|  |  | S3‑220895 | NewSIDonSecurityaspectsfor5WWCPhase2 | NokiaSolutions&Networks(I) | SIDnew | 　 | available |  |
|  |  | S3‑220896 | DiscussiononSecurityaspectsfor5WWCPhase2 | NokiaSolutions&Networks(I) | SIDnew | 　 | available |  |
|  |  | S3‑220956 | NewSIDonsecurityaspectsofenhancedsupportofNon-PublicNetworksphase2 | Ericsson,CableLabs,InterDigital,Intel,Xiaomi,Nokia,NokiaShanghaiBell,ZTE,ChinaMobile,LGE,Philips,Lenovo,Samsung | SIDnew | 　 | available |  |
|  |  | S3‑220957 | SkeletonforproposedFS\_eNPN\_Ph2\_SEC | Ericsson | other | 　 | available |  |
|  |  | S3‑220975 | DiscussionforStudyonZeroTrustSecurity | Lenovo | discussion | 　 | available |  |
|  |  | S3‑221004 | StudyonZeroTrustSecurity | Lenovo,MotorolaMobility,Interdigital,Verizon,Cablelabs,Mavenir,JohnsHopkinsUniversityAPL,LGElectronics,Telefonica,NEC,TeliaCompany,AT&T,Samsung,PCCWGlobalB.V,ChinaMobile,MotorolaSolutions,Inc,Nokia,NokiaShanghaiBell,Intel,N | SIDnew | 　 | available |  |
|  |  | S3‑220987 | NewWIDonStudyonsecurityofarchitectureenhancementforUAVandUAM | QualcommIncorporated | SIDnew | 　 | available |  |
|  |  | S3‑221021 | DraftskeletonofTR33.740 | CATT | draftTR | 　 | available |  |
|  |  | S3‑221023 | NewSIDonSecurityAspectsofRangingBasedServicesandSidelinkPositioning | Xiaomi,Apple,ChinaMobile,CATT,Huawei,Hisilicon,InterDigital,LGE,Philips,vivo,ZTE,Lenovo,Ericsson,Nokia,NokiaShanghaiBell,ChinaTelecom | SIDnew | 　 | available |  |
|  |  | S3‑221024 | NewSIDonSecurityAspectsofSatelliteAccess | Xiaomi,ChinaMobile,ChinaTelecom | SIDnew | 　 | available |  |
|  |  | S3‑221062 | NewSIDonthesecurityaspectsofArtificialIntelligence(AI)/MachineLearning(ML)fortheNRAirInterfaceandNG-RAN | Ericsson | SIDnew | 　 | available |  |
|  |  | S3‑221065 | NewWIDonIETFOSCOREUa\*protocolprofileforAKMA | Ericsson | WIDnew | 　 | available |  |
|  |  | S3‑221066 | IETFOSCOREasAKMAUa\*protocol | Ericsson,DT | CR | 　 | available |  |
|  |  | S3‑221067 | ExtendingtheUasecurityprotocolnamespacetoincludetheAKMAOSCOREUa\*protocol | Ericsson,DT | CR | 　 | available |  |
|  |  | S3‑221068 | 5Gregistrationviatrustednon-3GPPaccessafterNSWOauthentication | Lenovo | discussion | 　 | available |  |
|  |  | S3‑221069 | NewStudytoenable5Gregistrationviatrustednon-3GPPaccessafterNSWOAuthentication(FS\_5GRTN3) | Lenovo | SIDnew | 　 | available |  |
|  |  | S3‑221070 | StudytoenableURSPrulestosecurelyidentifyapplications | Lenovo | discussion | 　 | available |  |
|  |  | S3‑221071 | NewStudytoenableURSPrulestosecurelyidentifyApplications(FS\_USIA) | Lenovo,AT&T,Broadcom,CableLabs,CATT,ChinaMobile,ChinaTelecom,DeutscheTelekom,Intel,LGElectronics,MotorolaSolutionsMSI,NEC,PCCWGlobalB.V.,Verizon,Xiaomi | SIDnew | 　 | available |  |
|  |  | S3‑221074 | 5GFBS-newWIDon5GFBS | Apple,USNationalSecurityAgency,AT&T,DeutscheTelekom,Ericsson,Huawei,Hisilicon,CableLabs,Intel,InterDigital,JohnsHopkinsUniversityAPL,NIST,Xiaomi,OPPO | WIDnew | 　 | available |  |
|  |  | S3‑221085 | DiscussiononsecurityaspectsofNGRTC | Huawei,HiSilicon,DeutscheTelekom | discussion | 　 | available |  |
|  |  | S3‑221086 | NewSIDonNGRTC | Huawei,HiSilicon | SIDnew | 　 | available |  |
|  |  | S3‑221113 | NewSIDonSecurityandPrivacyofAI/ML-basedservicesandapplicationsin5G | OPPO,Apple,vivo,InterDigital,ChinaMobile,Samsung,Nokia,NokiaShanghaiBell | SIDnew | 　 | available |  |
|  |  | S3‑221117 | NeedforRel-18studyonUPsecurityenhancement | Samsung,CableLabs,Interdigital | discussion | 　 | available |  |
|  |  | S3‑221118 | NewSIDon5GUserplanesecurityenhancements | Samsung | SIDnew | 　 | available |  |
|  |  | S3‑221121 | NewSIDonsecurityaspectsofcontrolplanebasedremoteprovisioninginNon-PublicNetworks | Samsung | SIDnew | 　 | available |  |
| 7 | CVDandresearch | S3‑220600 | Reserved | -- | CR | 　 | withdrawn |  |
| 8 | AnyOtherBusiness | S3‑220607 | Meetingcalendar | WGChair | other | 　 | revised | S3‑220684 |
|  |  | S3‑220684 | Meetingcalendar | WGChair | other | 　 | available |  |