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| **Agenda** | **Topic** | **TDoc** | **Title** | **Source** | **Type** | **Notes** | **Decision** | **Replaced-by** |
| 1 | Agenda and Meeting Objectives | S3‑220001 | Agenda | SA WG3 Chair | agenda | >>CC\_1<<[Chair] presents>>CC\_1<< | available |  |
|  |  | S3‑220003 | Process for SA3#106e meeting | SA WG3 Chair | other | >>prep call<<[Chair] presents with adjustment on agenda.[Ericsson] requests to move one group of AI#4.9(onboard) from week 2 to week1 as SA2 is waiting for results.[HW] proposes to give priority for R-17, and requests to move AIs with exceptions to week1. (MEC, Prose, ??)[Chair] would ask status update from rapporteurs and decides how to adjust agenda.[Nokia] requests to move all groups of AI#4.9 as contributions in other group are dependent with requested group.---status update---[Apple] 5GFBS would like to set conclusion which may get consensus as R17 and others can be R18.[Chair] does not like to split AI into 2 weeks. And proposes not to continue discussion on other parts[SIV] no show.[Ericsson] FS\_Auth\_enh needs to reply LS. TR could be seen as completed.[HW] FS\_edge\_sec is already concluded, proposes to keep discussion raised by Apple in normative work phase. WI still has some left issues, shall be solved in this meeting.[Chair] asks whether proposal is to move AI#4.10 instead of AI#5.4 in week 1.[HW] confirms.[QC] comments moving too much will confuse people.[Chair] proposes to move AI#4.10 in week 1, no one object.[CATT] Prose, SID is 80%, already sent for approval. 14 contributions still for TR, 8 for conclusion. Pending issue still needs discussion. Open issue will go in R18. So TR can be closed in this meeting. WID is 45%. Pending issues (CP solution) needs details, needs to reach consensus. Approval is expected to be reached in this meeting and reply to other WG, no more ENs.[Chair] how to complete?[IDCC] too many papers, proposes to merge and 1-2 confcalls to speed up.[Chair] major issue comes from work item in week2, proposes to have offline call and merging way forward in next Monday call.[QC] comments about the work load.[CATT] proposes to have 3 days for SI and others for WI.[Chair] will allocate 1 slot for WI discussion in week 1, then offline discussion encouraged, keep normative work in week 2 still.[HW] comments Monday cc is very early as there is nearly no discussion spread.[Chair] clarifies the cc will be used for merger only. No technical/email discussion in week 1. It just uses to help fast handling in week 2.[QC] comments.[HW] MBMS TR has been sent for approval. 100%. for TS, no major issue. LS from SA2 needs to treat, should go into R18 study. [Chair] questions on completion percentage.[HW] TR can be 100%, TS has leftover issue.[CMCC] 5GMSG TR 95% only cleanup needed. TS left EN only and could be 100% after this meeting.[CMCC] eNA TR 90%, all EN convert to Note by Edithelp. So 100% can be marked. TS needs to wait for the consensus of user consent in week 1.[Ericsson] AMF\_Reallocation is concluded. Only 1 contribution, so it could delay to week 2.[Chair] can use slot directly.[Samsung] IAB is 100% completed. No open issue. Needs to send for approval.[Chair] asks why not 100% last meeting.[Samsung] no coversheet prepared last meeting.[Nokia] eSBA should go to R18, no percentage prepared right now. Will push conclusion next meeting. R17 related discussion will also has related CR for normative work[HW] slicing2 has left 2 open issues in study. 1 for SA3 only(pending conclusion), and 1 dependent from SA2 but SA2 goes into R18. propose to align with SA2 to shift last one to R18.[Nokia] NSWO. TR left cleanup.[eNPN] no major issue. 90% already, all left should be solved in this meeting.[UAS] TR 100%, TS two types open issue left. Has very little impact on stage 3.[UC3S] normative work 85%. two EN left. Hope to solve those ENs in this meeting.---status update---[Chair] proposes to promote SDT and UPIP related contribution based on RAN2 request. [Ericsson] not too much incoming LS for week 1.[HW] asks the conclusion on AI#4.9, whole group or only 1 group?[Chair] 1 group plus contributions request by Helena.[HW] proposes to promote some other contributions as requested by CT group.[Ericsson] proposes to move whole group if more contribution requests[Chair] whole groups.[QC] comments[Chair] **repeats the conclusion: Prioritized 3, 4.4, 4.14, 4.19, 4.9 and 4.10 are added in week 1.**---new delegate welcome---Welcome: Anbin Kim from LGE, Mohsin Khan from Ericsson, Henry from Xiaomi, Helena Flygare from Ericsson, Saurabh Khare from Nokia, Rakshesh P Bhatt from Nokia---new delegate welcome--->>prep call<< | available |  |
| 2 | Meeting Reports | S3‑220002 | Report from SA3#105e | MCC | report | >>CC\_1<<[Chair] presents>>CC\_1<< | available |  |
|  |  | S3‑220004 | Report from last SA | SA WG3 Chair | report | >>CC\_1<<[Chair] presents, r1 in draft folder[HW] clarifies 107 should be online meeting as it is before Q2 plenary meeting.[Cablelabs] asks what we should decide for 107-bis[Chair] clarifies whether SA3 is ready to go ahead with the face to face meeting arrangements for the SA3 meeting in Bath. ETSI Coordinators need to confirm the meeting with hotel. Everyone is requested to consider this, will come back on Friday to decide. >>CC\_1<< | available |  |
|  |  | S3‑220005 | Meeting notes from SA3 leadership | SA WG3 Chair | report |  | withdrawn |  |
|  |  | S3‑220006 | Meeting notes from SA3 leadership | MCC | report |  | reserved |  |
| 3 | Reports and Liaisons from other Groups | S3‑220007 | LS on new parameters for SOR | C1-214118 | LS in |  | available |  |
|  |  | S3‑220008 | LS on Using CP-SOR as a secured information transfer mechanism between HPLMN and UE | C1-217163 | LS in |  | available |  |
|  |  | S3‑220009 | LS on the User Controlled PLMN Selector with Access Technology in Control plane solution for steering of roaming in 5GS | C1-217358 | LS in |  | available |  |
|  |  | S3‑220010 | [FSAG Doc 92\_003] Reply LS on attack preventing NAS procedures to succeed | C1-217378 | LS in |  | available |  |
|  |  | S3‑220011 | LS on Disaster Roaming Enabled Indication | C1-217427 | LS in | [LGE] : This LS should be noted | available |  |
|  |  | S3‑220012 | LS-Reply on Home Network triggered re-authentication | C4-215437 | LS in |  | available |  |
|  |  | S3‑220014 | Reply LS on RAN2 agreements for MUSIM | R2-2111329 | LS in |  | available |  |
|  |  | S3‑220015 | LS on RAN2 agreements for paging with service indication | R2-2111330 | LS in |  | available |  |
|  |  | S3‑220016 | Reply LS on UP security policy update | R2-2111527 | LS in |  | available |  |
|  |  | S3‑220025 | Reply LS on Using N32 for Interconnect Scenarios | S2-2109334 | LS in |  | available |  |
|  |  | S3‑220026 | Reply to LS on Resynchronisations | ETSI SAGE | LS in |  | available |  |
|  |  | S3‑220027 | Reply LS to CT3 Questions and Feedback on EVEX | S4-211647 | LS in |  | available |  |
|  |  | S3‑220028 | LS Reply on QoE report handling at QoE pause | S5- 216417 | LS in |  | available |  |
|  |  | S3‑220030 | Non-Support of Ciphering Algorithm GEA1 | GCF | LS in |  | available |  |
|  |  | S3‑220031 | New Name for ETSI TC SCP | ETSI TC SCP | LS in |  | available |  |
|  |  | S3‑220032 | LS on consideration of a new work on ITU-T M.fcnhe: "Framework of communication network health evaluation" | ITU-T SG2 | LS in |  | available |  |
|  |  | S3‑220033 | LS on Energy Efficiency as guiding principle for new solutions | SP-211621 | LS in |  | available |  |
|  |  | S3‑220034 | Reply LS to GSMA Operator Platform Group on edge computing definition and integration | SP-210003 | LS in |  | available |  |
|  |  | S3‑220037 | Reply on security protection of RRCResumeRequest message | R3-221183 | LS in | >>CC\_2<<[Docomo] presents, reply is not exactly what we asked.[Apple] comments that SA3 should go ahead with the solution.[QC] comments on the complexity of the solution.[CableLabs] comments that issue has been prolonging for many meetings.[HW] comments[Chair] : continue discussion over email.>>CC\_2<< | available |  |
|  |  | S3‑220038 | LS on opens issues for NB-IoT and eMTC support for NTN | R3-221406 | LS in |  | available |  |
|  |  | S3‑220039 | Reply LS on LTE User Plane Integrity Protection | R3-221473 | LS in | >>CC\_1<<[VF] presents>>CC\_1<<[Huawei]: provides r1. For Q1, it is important to address the backward compatibility issue and hence to have a mitigation in place should this happen. For Q2, we propose to align the behaviour with 5GS.[Vodafone]: replies to Huawei asking for clarifications. | available |  |
|  |  | S3‑220040 | TCG progress - report from TCG rapporteur | InterDigital, Inc. | other |  | available |  |
|  |  | S3‑220043 | Reply LS on energy efficiency as guiding principle for new solutions | S5-221501 | LS in |  | available |  |
|  |  | S3‑220045 | Reply LS on NTN specific User Consent | R2-2201754 | LS in | [Huawei]: Propose to reply.[Huawei]: Clarify this group was already determined in Week2 according to the latest agenda. | available |  |
|  |  | S3‑220046 | Further reply on QoE report handling at QoE pause | R2-2201862 | LS in |  | available |  |
|  |  | S3‑220047 | Reply LS on security protection of RRCResumeRequest message | R2-2201864 | LS in | >>CC\_2<<[Docomo] gives brief introduction, reply is not exactly against what we asked. But basically R2 want RAN plenary to decide.>>CC\_2<< | available |  |
|  |  | S3‑220048 | LS on UE providing Location Information for NB-IoT | R2-2201957 | LS in |  | available |  |
|  |  | S3‑220049 | LS on security concerns for UE providing Location Information for NB-IoT | R2-2201958 | LS in |  | available |  |
|  |  | S3‑220050 | LS on RAN3 impacts for non-SDT handling | R2-2201977 | LS in |  | available |  |
|  |  | S3‑220051 | LS on Security for Small Data Transmission | R2-2201983 | LS in | >>CC\_1<<[VC] presents.[Chair] proposes way forward for discussion, an offline call on Tuesday, 1hr before the official CC.>>CC\_1<< | available |  |
|  |  | S3‑220052 | LS on UE location during initial access in NTN | R2-2202057 | LS in |  | withdrawn |  |
|  |  | S3‑220053 | LS on UE location during initial access in NTN | R2-2201881 | LS in |  | available |  |
|  |  | S3‑220085 | Reply LS on Security for Small Data Transmission | ZTE Corporation | LS out |  | available |  |
|  |  | S3‑220086 | Discussion on security of SDT | ZTE Corporation | discussion | >>CC\_1<<[ZTE] presents[Nokia] comments and provides way forward[Chair] proposes to have offline cc tomorrow tgo proceed.>>CC\_1<<[ZTE]: r1 is provided. | available |  |
|  |  | S3‑220143 | NTN - Reply LS on NTN specific user consent (R2-2201754) | Apple | LS out | [Huawei]: Generally fine with this proposal. Suggest to merge this one with S3-220190.[Huawei]: Clarify this group was already determined in Week2 according to the latest agenda. | available |  |
|  |  | S3‑220144 | NTN - Reply LS on NTN specific user consent (R2-2201958) | Apple | LS out |  | available |  |
|  |  | S3‑220151 | Discussion on Security Issues with SDT | Intel | discussion | >>CC\_1<<[Intel] presents. Fine with way forward in offline call.>>CC\_1<< | available |  |
|  |  | S3‑220152 | Reply LS on Security of Small data transmission | Intel | LS out | >>CC\_2<<[VC] presents progress on offline discussion and output[IDCC] it is the agreement as shown from VC[Nokia] comments on bullet 1 and bullet 3 need to be removed.[Docomo] comments and proposes to continue study this[Chair] does not agree to have further study, it should be part of R17.[Docomo] needs to give clear message to RAN[ZTE] comments it is new issue and may have security issues.[QC] answer Docomo’s question.[Nokia] comments thatthere are no requirements t not to reuse keys or I-RNTI.[Intel] has couple of comments.[IDCC] considers comments may ruin the progress made in offline call, suggests to focus on what we can agree.[HW] supports Nokia comment, proposes to remove bullet 1 & 3.[Chair] asks to collect bullets that reach consensus only.[CATT] requests to upload latest version onto draft folder and give feedback after internal discussion.[VC] clarifies r1 is available on FTP.>>CC\_2<< | available |  |
|  |  | S3‑220165 | Reply LS on Multicast paging with TMGI | Huawei, HiSilicon | LS out |  | available |  |
|  |  | S3‑220189 | Reply LS | Huawei, HiSilicon | LS out |  | withdrawn |  |
|  |  | S3‑220190 | Reply LS on user consent for NTN | Huawei, HiSilicon | LS out |  | available |  |
|  |  | S3‑220201 | Reply LS on CT6 | THALES | LS out | >>CC\_1<<[Thales] presents>>CC\_1<< | available |  |
|  |  | S3‑220216 | Discussion integrity protection for UE capability indication in UPU | Ericsson | discussion | >>CC\_1<<[Ericsson] presents[Chair] 217 as reply LS to continue discussion.>>CC\_1<< | available |  |
|  |  | S3‑220217 | Draft reply LS on UE capability indication in UPU | Ericsson | LS out |  | available |  |
|  |  | S3‑220238 | Discussion on UE capabilities indication in UPU | Huawei, HiSilicon | discussion | >>CC\_1<<[HW] presents, >>CC\_1<< | available |  |
|  |  | S3‑220269 | Reply LS on opens issues for NB-IoT and eMTC support for NTN | Xiaomi Technology | LS out |  | available |  |
|  |  | S3‑220270 | Reply LS on User Consent Updating | Xiaomi Technology | LS out |  | available |  |
|  |  | S3‑220271 | Reply LS on NTN specific User Consent | Xiaomi Technology | LS out |  | available |  |
|  |  | S3‑220272 | Proposal for NTN Specific User Consent | Xiaomi Technology | discussion |  | available |  |
|  |  | S3‑220273 | Reply LS on security concerns for UE providing Location Information for NB-IoT | Xiaomi Technology | LS out |  | available |  |
|  |  | S3‑220302 | Draft Reply LS on LTE User Plane Integrity Protection | Ericsson | LS out | >>CC\_1<<[Ericsson] presents[HW] comments not simple to send back or not. Need to consider backward capability[VF] clarifies. [QC] comments[Chair] proposes to discuss via email and come back Wednesday.>>CC\_1<< | available |  |
|  |  | S3‑220338 | Reply LS on CT6 | Qualcomm Incorporated | LS out | >>CC\_1<<[QC] presents[Thales] clarifies based on QC’s doc[HW] asks whether would like to standardize the EAP authentication methods, credentials are different in different methods.[Thales] does not specify EAP method, but standard credential[HW] asks for clarification about other kind of credential like certificate[Thales] clarifies[HW] comments to ME.[Docomo] does not consider SA3 should be involved. [Thales] considers no need to involve SA3 from Thales point of view, but other company asks to do that.[Chair] proposes to keep discussion and come back Wednesday.>>CC\_1<< | available |  |
|  |  | S3‑220377 | Discussion on LS on Security for Small Data Transmission | Nokia Corporation | discussion | >>CC\_1<<[Nokia] presents>>CC\_1<< | available |  |
|  |  | S3‑220380 | Reply LS on Security for Small Data Transmission | Nokia Corporation | LS out |  | available |  |
|  |  | S3‑220415 | CR to 33.501 to protect additional SoR information (CPSOR-CMCI) (future proof alternative) | NTT DOCOMO INC. | CR |  | available |  |
|  |  | S3‑220416 | CR to 33.501 to protect CPSOR-CMCI information only (alternative to S3-220415) | NTT DOCOMO INC. | CR |  | available |  |
|  |  | S3‑220421 | Reply LS on Reply LS on security protection of RRCResumeRequest message | Nokia Corporation | LS out | [Huawei]: revision is needed. Pending on the discussion of the conclusion and WID.[Ericsson]: Supports. Proposes to merge with S3-220135. | available |  |
|  |  | S3‑220424 | Discussion on RAN 3 | VODAFONE | discussion | >>CC\_1<<[VF] presents>>CC\_1<< | available |  |
|  |  | S3‑220425 | Discussion on LS on security concerns for UE providing Location Information for NB-IoT | Nokia Corporation | discussion |  | available |  |
|  |  | S3‑220428 | Reply LS on Reply LS on NTN specific User Consent | Nokia Corporation | LS out | [Huawei]: propose to be merged into S3-220190.[Nokia]: We agree to merge S3-220428 and S3-220190. | available |  |
|  |  | S3‑220431 | draft-Reply LS on new parameters for SOR | NTT DOCOMO INC. | LS out |  | available |  |
| 4 | Work Areas |  |  |  |  |  |  |  |
| 4.1 | New WID on Security Assurance Specification for Management Function (MnF) | S3‑220149 | Discussion paper on SCAS for 3GPP defined Management Function | Nokia Germany | discussion |  | available |  |
|  |  | S3‑220150 | Revise generic network product to support management function | Nokia Germany | CR |  | available |  |
|  |  | S3‑220153 | add annex for aspects specific to MnF network product class | Nokia Germany | CR |  | available |  |
|  |  | S3‑220172 | MnF SCAS Skeleton | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220173 | MnF SCAS Scope | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220186 | Living document for MnF SCAS: draftCR to TR 33.926 | Huawei, HiSilicon | draftCR |  | available |  |
| 4.2 | New WID on SECAM and SCAS for 3GPP virtualized network products | S3‑220121 | proposal to add scope of TR33.936 Security Assurance Methodology (SECAM) for 3GPP virtualized network products | China Mobile | pCR |  | available |  |
|  |  | S3‑220122 | proposal to add skeleton of TR33.936 Security Assurance Methodology (SECAM) for 3GPP virtualized network products | China Mobile | pCR |  | available |  |
|  |  | S3‑220123 | proposal to add scope of TR33.927 Security Assurance Specification (SCAS) threats and critical assets in 3GPP virtualized network product classes | China Mobile | pCR |  | available |  |
|  |  | S3‑220124 | proposal to add skeleton of TR33.927 Security Assurance Specification (SCAS) threats and critical assets in 3GPP virtualized network product classes | China Mobile | pCR |  | available |  |
|  |  | S3‑220125 | proposal to add scope of TS33.527 Security Assurance Specification (SCAS) for 3GPP virtualized network products | China Mobile | pCR |  | available |  |
|  |  | S3‑220126 | proposal to add skeleton of TS33.527 Security Assurance Specification (SCAS) for 3GPP virtualized network products | China Mobile | pCR |  | available |  |
| 4.3 | New WID on Mission critical security enhancements phase 3 | S3‑220056 | [33.180] R18 Clarification requested by ETSI Plugtest (mirror) | Motorola Solutions Danmark A/S | CR |  | withdrawn |  |
| 4.4 | Security Assurance Specification for Service Communication Proxy (SECOP) (Rel-17) | S3‑220386 | Reference to SCP-specific requirements | Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑220387 | Reference to other 3GPP specs | Nokia, Nokia Shanghai Bell | CR |  | available |  |
| 4.5 | Security Assurance Specification for 5G NWDAF (Rel-17) |  |  |  |  |  |  |  |
| 4.6 | Authentication and key management for applications based on 3GPP credential in 5G (Rel-17) | S3‑220087 | Add a Note about the Kaf refresh | ZTE Corporation | CR |  | available |  |
|  |  | S3‑220088 | Add function description about AAnF in 4.2.1 | ZTE Corporation | CR |  | available |  |
|  |  | S3‑220089 | Clarification on the NF consumer in 6.6.1 | ZTE Corporation | CR |  | available |  |
|  |  | S3‑220090 | Clarification on UDM manage AKMA subscription data in 4.2.5 | ZTE Corporation | CR |  | available |  |
|  |  | S3‑220285 | Clarification on AKMA Application key retrieval | Samsung, ZTE | CR |  | available |  |
|  |  | S3‑220286 | New AAnF application key get service without SUPI | Samsung, Verizon | CR |  | available |  |
|  |  | S3‑220301 | Clarification on indication to UE when KAF is expired | LG Electronics France | CR |  | available |  |
|  |  | S3‑220304 | Clean up for TS 33.535 | LG Electronics France | CR |  | available |  |
| 4.7 | Enhancements of 3GPP profiles for cryptographic algorithms and security protocols (Rel- 17) | S3‑220317 | Discussion on Ua security protocol identifier for PSK TLS 1.3 | Qualcomm Incorporated | discussion |  | available |  |
|  |  | S3‑220318 | Adding a Note about the new Ua security protocol identifier for TLS 1.3 | Qualcomm Incorporated | CR |  | available |  |
|  |  | S3‑220319 | Adding a new Ua security protocol identifier for TLS 1.3 | Qualcomm Incorporated | CR |  | available |  |
|  |  | S3‑220407 | Adding Reference to RFC 7235 in TS 33.203 | Ericsson | CR |  | available |  |
|  |  | S3‑220408 | LS on eCryptPr | Ericsson | LS out |  | available |  |
| 4.8 | Security Aspects of Enhancements for 5G Multicast-Broadcast Services (Rel-17) | S3‑220022 | LS on Multicast paging with TMGI | S2-2107995 | LS in |  | available |  |
|  |  | S3‑220091 | Resolve the EN in 5MBS | ZTE Corporation | CR |  | available |  |
|  |  | S3‑220092 | Clean up for 5MBS | ZTE Corporation | CR |  | available |  |
|  |  | S3‑220162 | Resolution of authorization issue | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑220163 | update to User-plane procedure for MBS security | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑220164 | Corrections and clarifications in the security mechanisms for MBS | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑220184 | Secondary authentication for MBS sessions | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑220225 | Clarification on AS security aspect in 5MBS | LG Electronics Inc. | CR |  | available |  |
|  |  | S3‑220292 | PDCP COUNT check for MRB | Samsung | CR |  | available |  |
|  |  | S3‑220293 | MBS capability exchange and delivery method | Samsung | CR |  | available |  |
|  |  | S3‑220294 | Security indication in MBS security context | Samsung | CR |  | available |  |
|  |  | S3‑220332 | pCR to the draft CR: EN resolution | Qualcomm Incorporated | other |  | available |  |
|  |  | S3‑220333 | Reply LS on Multicast paging with TMGI | Qualcomm Incorporated | LS out |  | available |  |
| 4.9 | Security Aspects of eNPN (Rel-17) | S3‑220017 | Reply to LS on support of PWS over SNPN | S1-214049 | LS in | [Ericsson] : proposes to note the LS | available |  |
|  |  | S3‑220019 | Reply LS on UE capabilities indication in UPU | S2-2106703 | LS in | >>CC\_1<<[Ericsson] presents and proposes to note>>CC\_1<<[Ericsson] : Propose to note (as indicated in conf call 1) | available |  |
|  |  | S3‑220020 | Reply LS on updating the Credentials Holder controlled lists for SNPN selection | S2-2106705 | LS in | >>CC\_1<<[Ericsson] presents[Docomo] not sure whether to combine two discussion. It seems different.Proposes incoming LS sould be open and replied.Proposes to merge 217 to 431.Proposes to keep separate.[Ericsson] is also consider separate discussion.>>CC\_1<< | available |  |
|  |  | S3‑220024 | LS on support of DCS variants in UE Onboarding Architecture | S2-2109258 | LS in | [Ericsson] : proposes to discuss the reply in the thread for S3-220197 | available |  |
|  |  | S3‑220035 | Reply LS on IMEI for Non-Public Networks/Private Networks without using USIM | GSMA | LS in | [Ericsson] : proposes to note the LS | available |  |
|  |  | S3‑220036 | Reply LS on UE capabilities indication in UPU | C1-220811 | LS in | >>CC\_1<<[Ericsson] presents>>CC\_1<<[Ericsson] : Draft reply available in S3-220217 (as indicated in conf call 1) | available |  |
|  |  | S3‑220155 | Clarifcation and corrections to UE Onboarding in SNPNs | Intel | CR | MCC reminded that the comment in I.9.2.X should be removed before the document was agreed.[Ericsson] : proposes to merge in S3-220335 | available |  |
|  |  | S3‑220188 | Clarification on MSK and anonymous SUPI usage | Huawei, HiSilicon | CR | [Lenovo]: Clarification and Revision required. | available |  |
|  |  | S3‑220193 | Resolution of editor | Nokia, Nokia Shanghai Bell | other |  | withdrawn |  |
|  |  | S3‑220194 | Resolution of editor notes related SUPI usage and forwarding | Nokia, Nokia Shanghai Bell | other |  | withdrawn |  |
|  |  | S3‑220195 | Resolution of editor notes related UDM selection | Nokia, Nokia Shanghai Bell | other |  | withdrawn |  |
|  |  | S3‑220196 | Resolution of editor notes related to protocol between NSSAAF and AAA. | Nokia, Nokia Shanghai Bell | other |  | withdrawn |  |
|  |  | S3‑220197 | REPLY LS on support of DCS variants in UE Onboarding Architecture | Nokia, Nokia Shanghai Bell | LS out | [Ericsson] : updates are required[Lenovo] : Requires revision.[Nokia] : Provides clarification to proposes changes by Ericsson and Lenovo. | available |  |
|  |  | S3‑220215 | UDM interaction for anonymous SUCI | Ericsson | CR | [Huawei]: Requires revision.[Qualcomm]: Questions the need for this CR[Ericsson]: Provides clarifications[Lenovo]: Objects the current form of the contribution.Requires clarification and revision. | available |  |
|  |  | S3‑220218 | Anonymous SUCI for initial access | Ericsson | CR | [Lenovo] : Objects to the current form of the contribution.Requires revision and propose to merge S3-220218 in S3-220435. | available |  |
|  |  | S3‑220219 | Removing Editor | Ericsson | CR | [Lenovo] : Objects to the contribution. | available |  |
|  |  | S3‑220220 | Removing Editor | Ericsson | CR | [Ericsson]: r1 provided (merge of S3-220220 and S3-220418) .[CableLabs]: Provided comments.[Qualcomm]: revision is needed | available |  |
|  |  | S3‑220221 | Removing Editor | Ericsson | CR | [Nokia] : Propose to merge into S3-220420[Ericsson ] : Agree to merge into S3-220420[Nokia] : Mail discussion on this CR is discontinued as the CR is merged into S3-220420. Please continue the discussion there. | available |  |
|  |  | S3‑220239 | DP-loss of control of preferred SNPN list in eNPN | Huawei, HiSilicon | discussion |  | available |  |
|  |  | S3‑220240 | SN name verification in eNPN | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑220253 | Removing Editor | Ericsson | CR | [Huawei]: Suggest to merged into S3-220188 and discontinue this email thread. | available |  |
|  |  | S3‑220254 | Removing Editor | Ericsson | CR | [Nokia] : Propose to merge into S3-220417[Ericsson] : agree to merge in S3-220417[Nokia] : Mail discussion on this CR is discontinued as the CR is merged into S3-220417. Please continue the discussion there. | available |  |
|  |  | S3‑220255 | Removing Editor | Ericsson | CR |  | available |  |
|  |  | S3‑220256 | Removing Editor | Ericsson | CR | [Ericsson] : can be merged in S3-220335 | available |  |
|  |  | S3‑220257 | Editorial for the Figure on key hierarchy for Credentials Holder using AAA | Ericsson | CR | [Huawei]: Propose to noted this contribution. I suspect this document using the wrong baseline of TS33.501. The latest version of TS33.501 already fixed this issue. There is no need this proposal S3-220257. | available |  |
|  |  | S3‑220335 | Clarifcation and corrections to UE Onboarding in SNPNs | Qualcomm Incorporated, Nokia, Nokia Shanghai Bell | CR | [Ericsson] : proposes r1, and proposes to merge S3-220155 and S3-220256 into this[Intel] : Uploaded r2 for the merged version to not to deviate from the working agreement. Requests clarification on IEC 62443.[Huawei]: Require clarification on UDM involvement. Don’t think this is clear enough addressed in R2.[Qualcomm]: provides comments on r1/r2[Lenovo]: Comments provided, r2 needs revision.[Nokia]: Comments to r2 and request a revision. | available |  |
|  |  | S3‑220417 | Resolution of editor | Nokia, Nokia Shanghai Bell | CR | [Nokia] : S3-220254 is merged into S3-220417. R1 can be found in the draft folder. | available |  |
|  |  | S3‑220418 | Resolution of editor notes related SUPI usage and forwarding | Nokia, Nokia Shanghai Bell | CR | [Ericsson] : Propose to merge into S3-220220[Nokia] : Accepts the proposal to merge.[Ericsson] : Mail discussion on this CR is discontinued as the CR is merged into S3-220220. Please continue the discussion there. | available |  |
|  |  | S3‑220419 | Resolution of editor notes related UDM selection | Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑220420 | Resolution of editor notes related to protocol between NSSAAF and AAA. | Nokia, Nokia Shanghai Bell | CR | MCC pointed out that notes must be informative, so Note X cannot give a recommendation.[Nokia] : S3-220221 is merged into S3-220420 and provided as R1 in the draft folder. The revision also addresses the comments by admin.[Huawei]: Ask the revision uploaded.[Nokia]: Provides R1 in draft folder. | available |  |
|  |  | S3‑220435 | Update to Clause 1.9 for Onboarding Initial Access | Lenovo, Motorola Mobility | CR |  | available |  |
| 4.1 | Security Aspects of Enhancement of Support for Edge Computing in 5GC (Rel-17) | S3‑220029 | Reply LS on EAS and ECS identifiers | S6-212490 | LS in |  | available |  |
|  |  | S3‑220093 | Authentication based on AKMA between EEC and ECS in clause 6.2 | ZTE Corporation | pCR | [Huawei] : Propose to merge the solution with 0231/0289/0351. | available |  |
|  |  | S3‑220094 | Authentication based on AKMA between EEC and EES in clause 6.3 | ZTE Corporation | pCR |  | available |  |
|  |  | S3‑220137 | MEC - TS - Negotiation procedure for the authentication and authorization | Apple | pCR | [Huawei] : Propose to discuss how to support the AKMA/GBA in the EEC/ECS/Home network side at first in the S3-220351 thread. | available |  |
|  |  | S3‑220138 | MEC - TS - Authentication between EEC and ECS based on TLS-PSK | Apple | pCR |  | available |  |
|  |  | S3‑220146 | Discussion on selection between options on Edge | OPPO | discussion |  | available |  |
|  |  | S3‑220148 | New solution: Authentication algorithm selection between EEC and ECS, EEC and EES | OPPO | pCR | [Huawei] : Propose to discuss how to support the AKMA/GBA in the EEC/ECS/Home network side at first in the S3-220351 thread. | available |  |
|  |  | S3‑220154 | MEC-TS-Enhanced Authentication between EEC and ECS based on TLS-PSK addressing the key diversity issue | Apple Computer Trading Co. Ltd | pCR |  | available |  |
|  |  | S3‑220157 | Corrections to EDGE reference and editorials | Intel | pCR |  | available |  |
|  |  | S3‑220158 | Removal of EN related to identifiers for EES and ECS authentication and authorization. | Intel | pCR | [Huawei] : requires clarification.There is no ECS ID definition in SA6, if we need that ,we should define at first. | available |  |
|  |  | S3‑220176 | Refer to User consent Requirements for MEC | Huawei, HiSilicon | pCR | [Ericsson] : proposes updateAs mentioned in the S3-220187 email thread, user consent related text can be added to EC TS instead of TS 33.501.[Ericsson] : provides clarification and proposes further updateAll the details in S3-220187 are not needed. Referring to 33.501 Annex V and SA2 EC TS would be enough. | available |  |
|  |  | S3‑220203 | Authentication and authorization between EEC and ECS | THALES | pCR |  | available |  |
|  |  | S3‑220205 | Authentication and authoriation between EEC and EES | THALES | pCR |  | available |  |
|  |  | S3‑220231 | EC: Authentication and Authorization between EEC and ECS | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220232 | EC: Authentication and Authorization between EEC and EES | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220289 | Authentication and authorization between EEC and ECS/EES | Samsung | pCR | [Huawei] : Propose to discuss how to support the AKMA/GBA in the EEC/ECS/Home network side at first in the S3-220351 thread, and comment on the security method selection. | available |  |
|  |  | S3‑220315 | Specifying EEC to ECS/EES security | Qualcomm Incorporated | pCR | [Huawei] : Propose to discuss how to support the AKMA/GBA in the EEC/ECS/Home network side at first in the S3-220351 thread. | available |  |
|  |  | S3‑220346 | Discussion on having AKMA and GBA in EC from interoperability and future-proof point of view | Ericsson | discussion |  | available |  |
|  |  | S3‑220351 | Authentication and authorization between EEC and ECS | Ericsson | pCR | [Huawei] : Initiate the discussion on the capability of EEC/ECS/Home network.[Ericsson] : Proposes to continue the discussions in this email thread considering 220351 as the merger | available |  |
|  |  | S3‑220352 | Authentication and authorization between EEC and EES | Ericsson | pCR | [Huawei] : Initiate the discussion on the capability of EEC/EES/Home network. | available |  |
| 4.11 | TLS protocols profiles for AKMA (Rel-17) | S3‑220095 | Add description about error case in annex B | ZTE Corporation | CR |  | available |  |
| 4.12 | Security aspects of Uncrewed Aerial Systems (Rel-17) | S3‑220018 | Reply LS on 3GPP SA1 clarifications on problematic UAV | S1-214238 | LS in |  | available |  |
|  |  | S3‑220076 | Update to UUAA-MM procedure | InterDigital Finland Oy | pCR |  | available |  |
|  |  | S3‑220119 | security between UAS-NF and USS | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220120 | remove EN in 5.2.1.5 UUAA revocation | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220181 | Resolve EN about USS Identifier | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220311 | Protection of UAS NF to USS interface | Qualcomm Incorporated | pCR |  | available |  |
|  |  | S3‑220312 | Additional of further 5G pairing cases | Qualcomm Incorporated | pCR |  | available |  |
|  |  | S3‑220313 | Adding details of UUAA procedure in 4G | Qualcomm Incorporated | pCR |  | available |  |
|  |  | S3‑220314 | Details of pairing in EPS | Qualcomm Incorporated | pCR |  | available |  |
|  |  | S3‑220429 | Update to Clause 5.2.1.1 General | Lenovo, Motorola Mobility | pCR |  | available |  |
|  |  | S3‑220430 | Resolving EN for UUAA re-authentication | Lenovo, Motorola Mobility | pCR |  | available |  |
|  |  | S3‑220432 | Resolving EN for UUAA Revocation | Lenovo, Motorola Mobility | pCR |  | available |  |
|  |  | S3‑220433 | Resolving EN for UAS data security | Lenovo, Motorola Mobility | pCR |  | available |  |
|  |  | S3‑220434 | UUAA and Pairing Alignment update to 33.256 | Lenovo, Motorola Mobility | pCR |  | available |  |
| 4.13 | Security Aspects of Proximity based services in 5GS ProSe (Rel-17) | S3‑220063 | TR 33.847 Updates to conclusions for KI 2 and KI 3 | MITRE Corporation | CR |  | withdrawn |  |
|  |  | S3‑220072 | Provisioning and refresh of 5G ProSe long-term credentials | KPN N.V. | pCR |  | available |  |
|  |  | S3‑220074 | Discussion paper on provisioning and refresh of 5G ProSe long-term credentials | KPN N.V. | discussion |  | available |  |
|  |  | S3‑220079 | Update to U2N Security procedure over User Plane when using GBA Push | InterDigital Finland Oy | pCR |  | available |  |
|  |  | S3‑220080 | NSSAA for Remote UE with L3 U2N relay without N3IWF | InterDigital Finland Oy | pCR |  | available |  |
|  |  | S3‑220096 | Add a clause about key hierarchy for user plane | ZTE Corporation | pCR |  | available |  |
|  |  | S3‑220097 | Add an EN in clause 6.3.3.2.2 | ZTE Corporation | pCR |  | available |  |
|  |  | S3‑220098 | Add some abbrevations for Prose | ZTE Corporation | pCR |  | available |  |
|  |  | S3‑220099 | Clarficaiton on PKMF act as AKMA AF in clause 6.3.3.2.2 | ZTE Corporation | pCR |  | available |  |
|  |  | S3‑220100 | Clarification on AUSF instance store in UDM | ZTE Corporation | pCR |  | available |  |
|  |  | S3‑220101 | Clean up the step 10-14 in clause 6.3.3.3.2 | ZTE Corporation | pCR |  | available |  |
|  |  | S3‑220102 | CR to 33.501 about AUSF instance store in UDM | ZTE Corporation | CR |  | available |  |
|  |  | S3‑220103 | Update the PC5 key hierarchy over control plane | ZTE Corporation | pCR |  | available |  |
|  |  | S3‑220104 | Update the step 2-5 in clause 6.3.3.3.2 | ZTE Corporation | pCR |  | available |  |
|  |  | S3‑220131 | Address the EN on the UE-to-Network Relay security procedure over control plane | OPPO | pCR |  | available |  |
|  |  | S3‑220147 | Remove the EN on privacy of PRUK ID | ZTE Corporation | pCR |  | available |  |
|  |  | S3‑220161 | Procedure for secondary authentication without N3IWF | LG Electronics Inc., InterDigital | pCR |  | available |  |
|  |  | S3‑220179 | Clarification the security policy used during restricted discovery | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220180 | Security procedures for L2 UE-to-Network relay | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220182 | Resolving the ENs on authentication procedure in control plane security procedure | Huawei, HiSilicon | pCR | OPPO proposes to NOTE this contribution. | available |  |
|  |  | S3‑220183 | Resolving the EN on the usage of 5GPRUK ID | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220185 | Clarification on procedures for PC5 establishment in UE-to-Network relay scenario | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220198 | Procedure for secondary re-authentication and revocation of Remote UE over L3 U2N Relay without N3IWF | LG Electronics Inc., InterDigital | pCR |  | available |  |
|  |  | S3‑220208 | pCR to TS33.503 Clause 3 Definitions of terms and abbreviations | CATT | pCR |  | available |  |
|  |  | S3‑220209 | pCR to TS33.503 Clause 4.2 Add new reference point between PKMF and UDM | CATT | pCR |  | available |  |
|  |  | S3‑220210 | pCR to TS33.503 Clause 6.3 Support SUCI in security procedure over User Plane | CATT | pCR |  | available |  |
|  |  | S3‑220211 | pCR to TS33.503 Clause 6.3 Update security procedure over Control Plane | CATT | pCR | OPPO proposes to NOTE this contribution. | available |  |
|  |  | S3‑220213 | pCR to TS33.503 Consistent term usage | CATT | pCR |  | available |  |
|  |  | S3‑220274 | 33.503: Corrections for Network Domain Security | Xiaomi Technology | pCR |  | available |  |
|  |  | S3‑220275 | 33.503: Issues for Clarifiacation in Open Discovery | Xiaomi Technology | pCR |  | available |  |
|  |  | S3‑220276 | 33.503: Proposed Changes in Model A Discovery | Xiaomi Technology | pCR |  | available |  |
|  |  | S3‑220277 | 33.503: Proposed Changes in Model B Discovery | Xiaomi Technology | pCR |  | available |  |
|  |  | S3‑220278 | 33.503: PC5 Security Policy Privisioned by PKMF | Xiaomi Technology | pCR |  | available |  |
|  |  | S3‑220279 | 33.503: PC5 Security Policy Handling during CP-based Security Procedure | Xiaomi Technology | pCR |  | available |  |
|  |  | S3‑220280 | 33.503: PC5 Security Policy for L2 U2N Relay | Xiaomi Technology | pCR |  | available |  |
|  |  | S3‑220288 | Resolving EN in ProSe CP based solution | Samsung, Interdigital, LG Electronics | pCR | >>CC\_1<<[way forward for CP-based solution][CATT] presents and asks to give answer for proposed question.[HW] comments to re-order the question, to ask group 4 question first.[Ericsson] comments on Question 1.[CATT] clarifiesQ4:[ZTE] question for clarification. What is it user for about AV on group 4?[CATT] clarifies[IDCC] comments, a new service would has less impact.[Oppo] comments 5G-AKA/EAP-AKA could not be seen as new services.[HW] comments[IDCC] comments[ZTE] considers not big issue to set as new service.Q1:Q1.1ZTE,IDCC:yesEricsson insists on No,[HW] comments[CATT] clarifies Q1.2 can answer Ericsson’s comment[IDCC] clarifies[CATT] has no strong opinion on this.[Chair] proposes to use Prose Anchor Function[HW] comments [Chair] asks whether to mitigate HW concern by making such function optional[QC] comments[IDCC] proposes to keep discussion in separate conf call until conclusion work out[Oppo] comments the impact should be either UE impact or network impact, to store PRUK/PRUK ID.[Samsung] comments[HW] is not happy to introduce Q1.1.[Chair] has concern on incomplete solution if that is the way forward proposed by HW.[HW] comments[Samsung] comments[There is no conclusion on Q1.][Chairs] asks if we want to solve this in R17, what should we do? [Chair] suggests way forward, to make merger[Chair] asks IDCC to take lead for the merger. IDCC is ok to do that.>>CC\_1<<OPPO proposes to NOTE this contribution. | available |  |
|  |  | S3‑220324 | CR on PRUK ID format | Qualcomm Incorporated | pCR |  | available |  |
|  |  | S3‑220325 | Discussion on potential security mechanisms for protecting ProSe Disocovery message | Qualcomm Incorporated | discussion |  | available |  |
|  |  | S3‑220326 | CR to ProSe TS | Qualcomm Incorporated | pCR |  | available |  |
|  |  | S3‑220327 | CR to ProSe TS | Qualcomm Incorporated | pCR |  | available |  |
|  |  | S3‑220328 | CR to ProSe TS | Qualcomm Incorporated | pCR |  | available |  |
|  |  | S3‑220340 | TR 33.847 | MITRE Corporation | CR |  | withdrawn |  |
|  |  | S3‑220357 | Managing and provisioning of discovery keys | Philips International B.V. | pCR |  | available |  |
|  |  | S3‑220360 | Clarification Source Authenticity | Philips International B.V. | pCR |  | available |  |
|  |  | S3‑220361 | Protection of longer discovery messages (simple) | Philips International B.V. | pCR |  | available |  |
|  |  | S3‑220362 | Protection of longer discovery messages (more efficient) | Philips International B.V. | pCR |  | available |  |
|  |  | S3‑220365 | Resolving EN in user plane solution for UE-to-network relay | Ericsson | pCR |  | available |  |
|  |  | S3‑220366 | Discussion on the SBA services to support Prose authentication | Ericsson | discussion |  | available |  |
|  |  | S3‑220367 | SBA service operations for Prose CP based solution for L3 U2N security | Ericsson | pCR | OPPO proposes to NOTE this contribution. | available |  |
|  |  | S3‑220369 | Definitation of functional entity PKMF | Ericsson | pCR |  | available |  |
|  |  | S3‑220370 | PC5 security policies in User plane solution for ProSe UE-to-network relay | Ericsson | pCR |  | available |  |
|  |  | S3‑220371 | Prose Anchor Function to handle PRUK and PRUK ID | Ericsson | pCR |  | available |  |
|  |  | S3‑220372 | Authentication flow over PC5 for Prose CP based solution for L3 U2N security | Ericsson | pCR |  | available |  |
|  |  | S3‑220373 | Update for Security Procedure of Communication with 5G ProSe Layer-2 UE-to-Network Relay | Ericsson | pCR |  | available |  |
|  |  | S3‑220374 | Correction of the reference for 5G ProSe Layer-3 UE-to-Network Relay Disocvery | Ericsson | pCR |  | available |  |
|  |  | S3‑220375 | Removal of PRUK ID in CP based solution | Ericsson | pCR |  | available |  |
|  |  | S3‑220376 | ProSe: New service operations in the user plane solution for ProSe UE-to-network relay | Ericsson | pCR |  | available |  |
|  |  | S3‑220436 | pCR to TS33.503 Add new clause for network function service description | CATT | pCR |  | available |  |
|  |  | S3‑220441 | Integrity protection for UE-to-NW relays | Philips International B.V. | pCR |  | available |  |
|  |  | S3‑220442 | Long term identifier updates for UE-to-NW relays | Philips International B.V. | pCR |  | available |  |
| 4.14 | Security Aspects of User Consent for 3GPP services (Rel-17) | S3‑220023 | Reply LS on user consent | S2-2109089 | LS in |  | available |  |
|  |  | S3‑220041 | LS on User consent Updating | R3-221210 | LS in |  | available |  |
|  |  | S3‑220175 | User consent requirements and procedures for eNA | Huawei, HiSilicon | CR | MCC reminded the authors that the word“must” is not allowed in 3GPP specifications. The CR should also be cat-B, not F since a new procedure with requirements was being added.[Ericsson] S3-220175 is not needed, we suggest that a single line in eNA normative work for UC should be enough e.g. 'User consent for eNA shall comply with TS 33.501 (Annex V) and TS 23.288.'[Huawei]: Provide the clarification and way forward.[Nokia]: Propose to close this thread and comment on 0191 instead. | available |  |
|  |  | S3‑220177 | Delete Editor's Note in UC3S | Huawei, HiSilicon | CR | [Nokia] : {Propose to merge this tdoc into S3-220383 {https://www.3gpp.org/ftp/TSG\_SA/WG3\_Security/TSGS3\_106e/Docs/S3-220383.zip} since overlapping, but 383 addressing more. Pls comment under thread 0383} | available |  |
|  |  | S3‑220187 | User Consent Requirements and Procedures for MEC | Huawei, HiSilicon | CR | MCC reminded the authors that the word“must” is not allowed in 3GPP specifications. The CR should also be cat-B, not F since a new procedure with requirements was being added.[Ericsson] suggest that a single line in MEC normative work for UC should be enough e.g. 'User consent for MEC shall comply with TS 33.501 (Annex V) and TS {MEC TS} | available |  |
|  |  | S3‑220378 | Reply LS on User consent Updating | Ericsson LM | LS out | [Xiaomi]: Propose to be merged into 270[Ericsson]: Acknowledge the similarities of the documents 270 and 378, and approve a merger of the documents. For readability reasons, we suggest to keep a short description of the incoming LS in the reply. | available |  |
|  |  | S3‑220383 | User consent revocation | Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑220384 | User consent enforcement point | Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑220385 | Formatting and alignment corrections | Nokia, Nokia Shanghai Bell | CR | [Nokia] : {I uploaded -r1, which is removing those changes that are duplicated in S3-220178. Thus, both docs can be treated without overlap} | available |  |
| 4.15 | Security aspects of enablers for Network Automation (eNA) for the 5G system (5GS) (Rel-17) | S3‑220191 | Refer to User Consent Requirements for eNA | Huawei, HiSilicon | CR |  | available |  |
| 4.16 | Security aspects of the 5GMSG Service (Rel-17) | S3‑220265 | Removal of EN in 5GMSG security | China Mobile | CR |  | available |  |
|  |  | S3‑220290 | Resolving EN on authorization in MSGin5G | Samsung | CR |  | available |  |
|  |  | S3‑220299 | Discussion on Authorization of MSGin5G Client | Samsung | discussion |  | available |  |
| 4.17 | Enhanced security for Phase 2 network slicing (Rel-17) | S3‑220013 | LS for feedback on CT6 | C6-210358 | LS in | >>CC\_1<<[Thales] presents>>CC\_1<< | available |  |
|  |  | S3‑220114 | CR for AF Authorization for accessing network slice quota-usage information | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑220414 | Discussion about the NEF-AF trust model for solution #1 in TR 33.874 | Ericsson | discussion |  | available |  |
| 4.18 | New work item proposals for Rel-18 | S3‑220059 | New WID on Authentication enhancements in 5GS | JSRPC Kryptonite | WID new |  | available |  |
|  |  | S3‑220105 | Discussion on new wid on akma push function | ZTE Corporation | discussion |  | available |  |
|  |  | S3‑220106 | New WID on AKMA push function | ZTE Corporation | WID new |  | available |  |
|  |  | S3‑220118 | Rel-18 study for network slicing security | Huawei, HiSilicon | SID revised |  | available |  |
|  |  | S3‑220127 | Proposal about considerations to introduce security capability center function | China Mobile | discussion |  | available |  |
|  |  | S3‑220128 | Discussion on blockchain based approach for cross-domain certificate management in 3GPP system | China Mobile | discussion |  | available |  |
|  |  | S3‑220129 | New SID on blockchain based approach for cross-domain certification management in 3GPP system | China Mobile | SID new |  | available |  |
|  |  | S3‑220130 | New SID on security aspects of enablers for Network Automation for 5G - phase 3 | China Mobile, ZTE, Ericsson, Apple, China Unicom, CAICT, China Telecom, Cablelabs, Nokia, Nokia Shanghai Bell, CATT | SID new |  | available |  |
|  |  | S3‑220132 | Discussion on Personal IoT Networks Security Aspects | vivo | discussion |  | available |  |
|  |  | S3‑220133 | New SID on Personal IoT Networks Security Aspects | vivo, Apple, ZTE, Xiaomi, CATT, OPPO, China Unicom, China Telecom, CableLabs, InterDigital | SID new |  | available |  |
|  |  | S3‑220136 | 5GFBS- new WID on 5GFBS | Apple, US National Security Agency, AT&T, Deutsche Telekom, Ericsson, Huawei, Hisilicon, CableLabs, Intel, InterDigital, Johns Hopkins University APL, NIST, Xiaomi, OPPO | WID new |  | available |  |
|  |  | S3‑220166 | New SID on security enhancements for 5G multicast-broadcast services Phase 2 | Huawei, HiSilicon | SID new |  | available |  |
|  |  | S3‑220167 | Discussion on security enhancements for 5GC LoCation Services Phase 3 | Huawei, HiSilicon | discussion |  | available |  |
|  |  | S3‑220168 | New SID on Enhancement of User Consent for 3GPP Services | Huawei, HiSilicon | SID new |  | available |  |
|  |  | S3‑220169 | New WID for SCAS work to introduce R-17 features on existing functions | Huawei, HiSilicon | WID new |  | available |  |
|  |  | S3‑220170 | New SID on Home network triggerred authenticaiton | Huawei, HiSilicon | SID new |  | available |  |
|  |  | S3‑220206 | New SID on Security Aspects of Enhancement for Proximity Based Services in 5GS Phase 2 | CATT, China Unicom, Interdigital | SID new |  | available |  |
|  |  | S3‑220228 | R18 SID on Security Enhancement of support for Edge Computing | Huawei, HiSilicon | SID new |  | available |  |
|  |  | S3‑220252 | New SID on security aspects of enhanced support of Non-Public Networks phase 2 | Ericsson, CableLabs, InterDigital, Intel, Xiaomi, Nokia, Nokia Shanghai Bell, ZTE | SID new |  | available |  |
|  |  | S3‑220262 | New SID on enhancement of AKMA | China Mobile | SID new |  | available |  |
|  |  | S3‑220263 | New WID on SCAS for AAnF | China Mobile | WID new |  | available |  |
|  |  | S3‑220281 | New SID on Security Aspects of Ranging Based Services and Sidelink Positioning | Xiaomi Technology | SID new |  | available |  |
|  |  | S3‑220282 | New SID on Security Aspects of Satellite Access | Xiaomi Technology | SID new |  | available |  |
|  |  | S3‑220297 | New SID on 5G User plane security enhancements | Samsung | SID new |  | available |  |
|  |  | S3‑220300 | R18 SID on Standardising Automated Certificate Management in SBA | Nokia Germany | SID revised |  | available |  |
|  |  | S3‑220321 | Discussion on SCAS for gNB | Qualcomm Incorporated, Deutsche Telekom AG, AT&T | discussion |  | available |  |
|  |  | S3‑220322 | New WID on Updates to gNB SCAS including split gNBs | Qualcomm Incorporated, Deutsche Telekom AG, AT&T | WID new |  | available |  |
|  |  | S3‑220363 | Study on Security aspects for 5WWC Phase 2 | Nokia Solutions & Networks (I) | SID new |  | available |  |
|  |  | S3‑220382 | Discussion on applying URSP rules for Authentic Applications | Lenovo, Motorola Mobility | discussion |  | available |  |
|  |  | S3‑220405 | New Study on applying URSP rules for Authentic Applications (FS\_UAutA) | Lenovo, Motorola Mobility | SID new |  | available |  |
|  |  | S3‑220410 | New SID on the security aspects of Artificial Intelligence (AI)/Machine Learning (ML) for the NR Air Interface and NG-RAN | Ericsson | SID new |  | available |  |
|  |  | S3‑220422 | AIML Security and Privacy SID | Chengdu OPPO Mobile Com. corp. | SID new |  | available |  |
|  |  | S3‑220426 | Study on Zero Trust Security | Lenovo, Motorola Mobility, Interdigital, Verizon, Cablelabs, Mavenir, Johns Hopkins University APL, LG Electronics, Telefonica | SID new |  | available |  |
|  |  | S3‑220427 | Discussion to Study on Zero Trust Security | Lenovo, Motorola Mobility | discussion |  | available |  |
| 4.19 | Other work areas (no release restrictions) | S3‑220061 | Align GUTI allocation to best practices of unpredictable identifier generation. | Deutsche Telekom AG | CR | [Deutsche Telekom] : -r1 is available[Ericsson] : Ericsson proposes r2.[Huawei] : Requires clarifications. | available |  |
|  |  | S3‑220064 | OAuth2.0 misalignmnet | Mavenir | CR |  | withdrawn |  |
|  |  | S3‑220065 | OAuth2.0 misalignmnet | Mavenir | CR |  | withdrawn |  |
|  |  | S3‑220066 | Clarification when the responder SEPP establish a second N32-C connection | Mavenir | CR | [Nokia] : supports this CR with one more clarification. The new N32-c connection is only established when needed; the word “now” in step 5 is creating further confusion and is therefore deleted in -r1[Mavenir]: I am fine with r1. Thanks for the update and co-signing the contribution. | available |  |
|  |  | S3‑220067 | Clarification when the responder SEPP establish a second N32-C connection | Mavenir | CR | [Nokia] : mirror of 0066. Nokia supports 0066 and its mirror in 0067 with one more clarification as uploaded in 0066-r1.Once 0066 is finalized, 0067 can be updated. Please comment in 0066 thread till it is finalized.[Nokia] : {mirror doc, comments to be addressed in 0066, but update of mirror in line with 0066 needed – after finalization of discussion} | available |  |
|  |  | S3‑220069 | [33.180] R16 Clarification requested by ETSI Plugtest | Motorola Solutions Danmark A/S | CR |  | available |  |
|  |  | S3‑220070 | [33.180] R17 Clarification requested by ETSI Plugtest (mirror) | Motorola Solutions Danmark A/S | CR |  | available |  |
|  |  | S3‑220071 | [33.180] R18 Clarification requested by ETSI Plugtest (mirror) | Motorola Solutions Danmark A/S | CR | MCC commented that the mirror for Rel-18 was not necessary since TS 33.180 didn’t have a rel-18 version yet. MCC added that the WID code for the package should be MCXSec since this is the Rel-16 WID.MSI agrees with MCC's comments. | available |  |
|  |  | S3‑220075 | GUTI allocation discussion paper | Deutsche Telekom AG | discussion |  | available |  |
|  |  | S3‑220082 | Integrity check during context transfer scenario 2 | NEC Telecom MODUS Ltd. | CR | >>CC\_2<<[NEC] presents[HW] comments, doesn’t think problem exist it was rejected earlier.[Nokia] similar comments as HW.[Ericsson] comments changes shouldn’t be in the current clause.[NEC] clarifies>>CC\_2<< | available |  |
|  |  | S3‑220083 | Editor note removal from Annex S | Nokia, Nokia Shanghai Bell | CR | [Nokia] : -r1 is available.[Huawei] : -r1 is fine.MCC commented that the CR number on the cover page was wrong (it should be 1262), the WID code should be NSWO\_5G and the category F.[Nokia] : -r2 is available.[AT&T] Correct CR references and make clarification in “Reason for Change” section.[Samsung]: Samsung supports this contribution. Provides r3 with editorial corrections.[Nokia]: Fine with r3 but a minor comment. | available |  |
|  |  | S3‑220084 | Verification of NSSAIs for preventing slice attack | CableLabs | CR | [Ericsson] : proposes r1>>CC\_2<<[Ericsson] presents[Docomo] comments “e.g” is confusing, need clarification[Ericsson] clarifies[Nokia] comments [HW] comments that additional modification to introduce slicing information into token are needed.[Nokia] does not like to introduce certificate, to keep flexibility[Chair] keeps email discussion[CableLabs] clarifies about certificate>>CC\_2<< | available |  |
|  |  | S3‑220107 | Delete EN on defining EIA7 in clause 6.6.4.3 | ZTE Corporation | CR | [Vodafone] : Requests clarification on when the corresponding update to TS 24.501 was made | available |  |
|  |  | S3‑220109 | Verification of NSSAIs for preventing slice attack | CableLabs | CR |  | available |  |
|  |  | S3‑220117 | Serving network name in NSSAA | Huawei, HiSilicon | CR | [Ericsson] : Proposal to note.[Huawei] : Response to Ericsson. | available |  |
|  |  | S3‑220145 | CR - 33501 - Clarification on Fast re-authentication | Apple | CR | [Ericsson] : clarification needed[Nokia] : object this contribution[Apple] : clarifies that the current 33501 text indicates there are still cases for supporting fast re-authentication in F.2.[LGE] : provides comments[Lenovo] : provides reference and comments.MCC commented that the changes were not editorial; hence the category should be changed to F. They also added that the clauses affected field on the cover page was wrong. | available |  |
|  |  | S3‑220156 | Clarification and corrections to NSWO SBI Interface methods | Intel | CR | [Nokia] : -r1 is available.[Huawei] : -r1 is fine.[Intel] : -r1 is fine.[Samsung]: Samsung supports this contribution. We are fine with r1.[Ericsson]: Ericsson proposes to note this contribution and gives clarification why.[Lenovo]: Lenovo supports this contribution and is fine with revision r1.>>CC\_2<<[Intel] presents[Nokia] supports, comments, supports to reuse[Lenovo] supports.[Ericsson] comments[Nokia] replies.[HW] supports[CableLabs] supports[Ericsson] comments[Thales] supports Ericsson’s proposal rather than this.[Samsung] questions to Ericsson[Ericsson] replies[HW] has same comment as Samsung.[QC] : need to consider the issue Ericsson raising.>>CC\_2<< | available |  |
|  |  | S3‑220171 | Delete Editor's Note in NSWO | Huawei, HiSilicon | CR | [Nokia] : -r1 is available.[Huawei] : -r1 is fine.Tdoc number is missing from the header. “TS” should not be with the spec number 33.501. What does the proposed change affect, UICC, ME, Radio Access Network, Core Network, Re-word the note: “.is not addressed in the present document”.[Samsung]: Samsung supports this contribution. Provides r2 with editorial corrections in NOTE and updates CR cover page.[Qualcomm]: object to turning the last EN into a NOTE as there are proposals in this meeting to address this EN.>>CC\_2<<[HW] gives brief introduction[QC] comments[Lenovo] questions why to touch roaming aspect, that is not covered in study.[Nokia] supports QC.[AT&T] supports 337[HW] clarifies, that is too late to introduce roaming security. Asks questions to Ericsson’s solution.[Chair] asks whether can merge contributions or not.[QC] supports to merge.[Chair] : use 337 as baseline for merging.>>CC\_2<< | available |  |
|  |  | S3‑220174 | Report UP IP Security Result | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑220178 | Clean up for TR 33.867 | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑220202 | EAP ID Request in NSSAA procedure | Ericsson | discussion | [Huawei] : Disagree with the proposal. The contribution and the corresponding CRs should be noted. | available |  |
|  |  | S3‑220204 | EAP ID Request in NSSAA Procedure (Rel-16) | Ericsson | CR |  | available |  |
|  |  | S3‑220207 | EAP ID Request in NSSAA Procedure (Rel-17) | Ericsson | CR | [Huawei] : This contribution should be noted with reasons provided under the thread 0202. | available |  |
|  |  | S3‑220212 | LS on EAP ID Request in NSSAA Procedure | Ericsson | LS out | [Huawei] : propose to note this contribution. The reasons are provided in the thread 0202. | available |  |
|  |  | S3‑220214 | New WID on Security Aspects of Minimization of Service Interruption (MINT) | LG Electronics Inc. | WID new |  | available |  |
|  |  | S3‑220222 | Rel-17 SUPI Privacy for SNPN | Ericsson | CR | [Thales] : disagree with the CR and propose not to pursue. | available |  |
|  |  | S3‑220223 | Rel-16 SUPI Privacy for SNPN | Ericsson | CR | [Thales] : disagree with the CR and propose not to pursue. | available |  |
|  |  | S3‑220224 | Rel-17 security aspects on MINT feature | LG Electronics Inc. | CR | >>CC\_2<<[LGE] needs to wait LS reply from SA2, so propose to postpone to next week.[Chair] goes into week 2>>CC\_2<< | available |  |
|  |  | S3‑220227 | Editorial correction on clause 11.1.3 and 11.1.4 in TS 33.501 | LG Electronics Inc. | CR | [Huawei]: asks for a clarification on why this is only introduced to Rel-17 since the changes are editorial.[LGE]: responses to Huawei’s questionMCC commented that the WID code should have been TEI17 as DUMMY is reserved for CRs included in WIDs to be approved in SA. They also noted that changing authorization with authentication was not an editorial change, so the category should be F. | available |  |
|  |  | S3‑220229 | Resolving the EN on the authorization between SCPs | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Samsung | CR | [Nokia] : {we can support this CR with an additional clarification, since the reference is too specific otherwise} | available |  |
|  |  | S3‑220233 | Clarification on IV usage on N32-f protection-R15 | Huawei, HiSilicon | CR | [Mavenir]: Why Huawei believes that making this fundamental changes for Rel-15/Rel-16 is necessary,This While there is no security issue other than fixing a bad implementation,Looking for your answer before I make my final opinion. | available |  |
|  |  | S3‑220234 | Clarification on IV usage on N32-f protection-R16 | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑220235 | Clarification on IV usage on N32-f protection-R17 | Huawei, HiSilicon | CR |  | available |  |
|  |  | S3‑220236 | Clarification on origination of the Rel17 SCAS test cases in AMF | Huawei, Hisilicon | CR | [Ericsson] : Comment[Huawei] : How about add the Note under the pre-condition,[Ericsson] : Reply | available |  |
|  |  | S3‑220241 | Clarification on the format of callback URI in the NF certificate profile | Ericsson | CR |  | available |  |
|  |  | S3‑220242 | Clarification on the format of callback URI in the NF certificate profile | Ericsson | CR |  | available |  |
|  |  | S3‑220243 | Clarification on the certificate profile for SCP and SEPP | Ericsson, Nokia, Nokia Shanghai Bell | draftCR |  | available |  |
|  |  | S3‑220244 | Multiple PLMN-IDs in the SEPP interconnect certificate profile | Ericsson | other | >>CC\_2<<[Ericsson] gives brief introduction>>CC\_2<< | available |  |
|  |  | S3‑220245 | SEPP to include and verify the source PLMN-ID | Ericsson | draftCR | >>CC\_2<<>>CC\_2<< | available |  |
|  |  | S3‑220246 | Resolving Editor's Notes in "SEPP to include and verify the source PLMN-ID" | Ericsson | other | [Mavenir] : Mavenir support this contribution but we propose editorial changes, draft\_S3-220246\_r1 uploaded.All the changes are editorial and should not cause any problem.I know we spent lots of time discussing and drafting some this text but after things Seattle we need to make sure that the text is clear and no room for ambiguity as much as possible.One minor issue: I am not comfortable with the notion of having a default PLMN ID with any qualification. ☹[Ericsson] : provides r3>>CC\_2<<[Ericsson] gives brief introduction[IDCC] (in chat) will read r3 and provide comments. [Docomo] comments how SEPP know which PLMN ID should be used. The discussion has a lot of things not concluded.[Chair] asks the issue is in scope of SA3 or GSMA?[Docomo] it triggers from GSMA, but involve SA3 now.[HW] agrees with Docomo in general.>>CC\_2<< | available |  |
|  |  | S3‑220247 | Further alignment with TS 29.573 to clarify that N32-c is short-lived | Ericsson | CR | >>CC\_2<<[Ericsson] it should be merged into 392.>>CC\_2<< | available |  |
|  |  | S3‑220248 | Further alignment with TS 29.573 to clarify that N32-c is short-lived | Ericsson | CR | [Nokia] : {248 is the mirror of 247, this tdoc can be noted or marked as merged as well, because 247 has been merged into 392 to become a joint Nokia/Ericsson contribution; draft\_S3-220392\_r2 has been uploaded, please comment at 392 thread} | available |  |
|  |  | S3‑220249 | Editorials suggested by Edithelp | Ericsson | CR |  | available |  |
|  |  | S3‑220250 | Removing Editor's Note on PNi-NPN security aspects | Ericsson | CR |  | available |  |
|  |  | S3‑220251 | Removing Editor's Note on PNi-NPN security aspects | Ericsson | CR |  | available |  |
|  |  | S3‑220258 | Rel-15 - Updating reference to RFC 9048 (EAP-AKA | Ericsson | CR |  | available |  |
|  |  | S3‑220259 | Rel-16 - Updating reference to RFC 9048 (EAP-AKA | Ericsson | CR |  | available |  |
|  |  | S3‑220260 | Rel-17 - Updating reference to RFC 9048 (EAP-AKA | Ericsson | CR |  | available |  |
|  |  | S3‑220261 | Discussion on the SBA service operations to support NSWO authentication | Ericsson, Thales | discussion | >>CC\_2<<[Ericsson] presents>>CC\_2<< | available |  |
|  |  | S3‑220266 | Update of NSWO authentication procedure and SBA service operations | Ericsson, Thales | CR | >>CC\_2<<[Ericsson] presents>>CC\_2<< | available |  |
|  |  | S3‑220267 | Resolve Editor Note related to co-existence of EPS NSWO | Ericsson | CR | [Qualcomm]: propose to merge this into S3-220336 and continue the discussion in the thread for S3-220336>>CC\_2<<[Ericsson] presents[QC] comments already on email.[Ericsson] clarifies.[QC] doesn’t convinced with Ericsson’s comment.[Chair] continue discussion, and prefer to merge[QC] proposes to keep discussion under 0336 and try to merge.[Ericsson] comments>>CC\_2<< | available |  |
|  |  | S3‑220268 | Roaming for 5G NSWO | Ericsson | CR | [Qualcomm]: propose to merge this into S3-220337 and continue the discussion in the thread for S3-220337>>CC\_2<<[Ericsson] presents>>CC\_2<< | available |  |
|  |  | S3‑220283 | Usage of AN ID for NSWO authentication | Ericsson | CR |  | available |  |
|  |  | S3‑220284 | Alternative solution for NSWO authentication | Ericsson | CR | [Nokia] : Request for clarification.[Ericsson] : Provides clarifications to Nokia.[Nokia] : Proposes to note this contribution.[Ericsson] : Provides clarification why the threat is valid.>>CC\_2<<[Ericsson] presents>>CC\_2<< | available |  |
|  |  | S3‑220291 | Authorization between MCData message store and MCData Server | Samsung | CR | [MSI]: MSI cannot agree. Proposed solution does not fit with MC architecture.[Samsung]: Provides clarification.[Nokia]: Provides general comments related to MCData-7 and MCData-8 reference points. | available |  |
|  |  | S3‑220295 | Clarification to IAB in EN-DC architecture | Samsung | CR |  | available |  |
|  |  | S3‑220298 | Updates to NF profile for inter-slice access control | Samsung | CR | MCC commented that it was not possible to have a CR based on conclusions of a Study. A normative WID was needed in order to implement these conclusions. They added that TEIx cat-B CRs were strongly discouraged in SA.They also added that the clauses affected field needed to be filled in the cover page.>>CC\_2<<[Samsung] presents.[CableLabs] comments it depends on the previous CR discussed (0084). It should be agreed only after 0084 is agreed.[Ericsson] comments[Samsung] clarifies[HW] comments[Chair] : continue email discussion>>CC\_2<< | available |  |
|  |  | S3‑220303 | UP IP: No support for UP IP in LTE-LTE Dual Connectivity in Rel-17 | Ericsson | CR | MCC pointed out some issues on the cover page. MCC also clarified that notes could not be renumbered. They added that the new note in Annex E could not be located there since it was creating a hanging paragraph. | available |  |
|  |  | S3‑220316 | Using MACS as a freshness parameter in the calculation of AK\* | Qualcomm Incorporated, Thales | CR | >>CC\_2<<[QC] presents[Chair] continue discussion.>>CC\_2<< | available |  |
|  |  | S3‑220320 | Adding text on preferring AKMA keys to GBA Digest | Qualcomm Incorporated | CR |  | available |  |
|  |  | S3‑220323 | Correcting the update to the support of GEA algorithms in Rel-11 | Qualcomm Incorporated | CR |  | available |  |
|  |  | S3‑220334 | Correct NAS uplink COUNT for KgNB/KeNB derivation | Qualcomm Incorporated | CR | >>CC\_2<<[QC] presents[HW] asks question for clarification about mirror.[Chair] asks reason why not implemented in R15.>>CC\_2<< | available |  |
|  |  | S3‑220336 | Co-existence with EPS NSWO | Qualcomm Incorporated | CR | >>CC\_2<<[QC] presents>>CC\_2<< | available |  |
|  |  | S3‑220337 | 5G NSWO roaming aspects | Qualcomm Incorporated | CR | [Nokia]: We support this contribution.[Ericsson]: Asks for clarification.>>CC\_2<<[QC] presents>>CC\_2<< | available |  |
|  |  | S3‑220341 | Updating SEAL-S security | Ericsson | CR |  | available |  |
|  |  | S3‑220342 | Updating SEAL-UU security | Ericsson | CR |  | available |  |
|  |  | S3‑220343 | Profiling ACE in SEAL | Ericsson | CR | MSI asks for access token clarification.[Ericsson] : provides explanation | available |  |
|  |  | S3‑220344 | Revisiting security of SEAL interfaces | Ericsson | discussion |  | available |  |
|  |  | S3‑220345 | Correcting the implementation of approved S3-214431 to SEAL TS 33.434 | Ericsson | CR | MSI asks that text 'a direct HTTP connection' be added to clause 5.1.1.3.[Ericsson] : provides explanation | available |  |
|  |  | S3‑220347 | Rel-16 CAPIF usage for SEAL-S | Ericsson | CR | MSI asks that text 'a direct HTTP connection' be added to the proposed text. | available |  |
|  |  | S3‑220348 | Rel-17 CAPIF usage for SEAL-S | Ericsson | CR |  | available |  |
|  |  | S3‑220349 | Rel-16 Correcting SEAL-UU security | Ericsson | CR | MSI asks that deleted text 'a direct HTTP connection' be reinstated.[Ericsson] : provides explanation[MSI] : Maintains their position | available |  |
|  |  | S3‑220350 | Rel-17 Correcting SEAL-UU security | Ericsson | CR |  | available |  |
|  |  | S3‑220368 | SBA service operations for Prose L3 U2N security CP solution | Ericsson | CR |  | available |  |
|  |  | S3‑220388 | Reference to symmetric channel delay clause | Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑220392 | Clarification on separate handling of N32-c and N32-f | Nokia, Nokia Shanghai Bell | CR | [Nokia] : { draft\_S3-220392\_r1 uploaded. We propose to use this doc as baseline, merging into 392 the content from Ericsson S3-210247/248. It is up for discussion if N32-f clarification should apply from Rel15 onward. It is argued to be useful to avoid backward compatibility issues. 392/394 will be created once the content in 392 is agreed.please comment/discuss in this thread, also for R16/R17}[Nokia] : { resent with correct tdoc numbers: draft\_S3-220392\_r2 uploaded. We propose to use this doc as baseline, merging into 392 the content from Ericsson S3-220247/248. It is up for discussion if N32-f clarification should apply from Rel15 onward. It is argued to be useful to avoid backward compatibility issues. S3-220392/394 will be created once the content in 392 is agreed.please comment/discuss in this thread, also for R16/R17}[Huawei] : Disagree with the proposal.[Ericsson] : explains why changes are necessary for both security reasons and for compatibility with frozen stage-3 specifications>>CC\_2<<[Ericsson] presents[Huawei] comments CT4 should be align with SA3.[Docomo] usually to make alignment on stage-3, not stage-2.[Ericsson] agrees with Docomo[Docomo] if no consensus, send LS to SA/CT plenary and decide there.[Chair] prefers to get conclusion in SA3.[Chair] asks whether it is acceptable for HW to align with CT.[Huawei] does not like that proposal.[Nokia] comments[CMCC] proposes to show hand[VF] comments[Nokia] comments SA3 is not consistance itself.[Huawei] comments reusing TLS has benefits.[Chair] proposes to continue offline and discuss tomorrow, and show of hands if needed.>>CC\_2<< | available |  |
|  |  | S3‑220393 | Clarification on separate handling of N32-c and N32-f | Nokia, Nokia Shanghai Bell | CR | [Nokia] : {mirror of 392, please comment at 392 thread} | available |  |
|  |  | S3‑220394 | Clarification on separate handling of N32-c and N32-f | Nokia, Nokia Shanghai Bell | CR | [Nokia] : {mirror of 392, please comment at 392 thread} | available |  |
|  |  | S3‑220395 | draftCR NRF deployment was S3-214534 | Nokia, Nokia Shanghai Bell, Ericsson | draftCR |  | available |  |
|  |  | S3‑220396 | NRF deployments | Nokia, Nokia Shanghai Bell | CR | [Ericsson] : provides r1 | available |  |
|  |  | S3‑220397 | SEPP reference | Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑220398 | Reference to N5CW and key derivation correction | Nokia, Nokia Shanghai Bell | CR | [Ericsson] : revision needed[Qualcomm] : provides comments | available |  |
|  |  | S3‑220399 | Reference to N5CW and key derivation correction | Nokia, Nokia Shanghai Bell | CR | [Ericsson] : revision needed[Qualcomm] : provides comments | available |  |
|  |  | S3‑220400 | Using existing authentication services for NSWO | Nokia, Nokia Shanghai Bell | CR | [Nokia] : Proposed to merge to S3-220156. This email thread can be closed. | available |  |
|  |  | S3‑220401 | Editorial corrections to Annex F of IMS | Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑220402 | Clarification on unspecified expiration of AV in 5G AKA | Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑220403 | Clarification on unspecified expiration of AV in 5G AKA | Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑220404 | Clarification on unspecified expiration of AV in 5G AKA | Nokia, Nokia Shanghai Bell | CR |  | available |  |
|  |  | S3‑220411 | Update of references for the GBA related UDM service operations | Ericsson | CR |  | available |  |
|  |  | S3‑220413 | Rel-17 Clarification of the Registration Request handling for the direct AMF re-allocation | Ericsson | CR | [Huawei] : supports the contribution and provides r1.>>CC\_2<<[Ericsson] provides r2 and presents[HW] would like to check and discuss further in email.[Ericsson] clarifies.>>CC\_2<< | available |  |
|  |  | S3‑220423 | Deletion of the usage of NGAP PATH SWITCH REQUEST ACKNOWLEDGE message for AS rekeying during Xn-Handover | NTT DOCOMO INC. | CR | >>CC\_2<<[Docomo] presents[Ericsson] asks question for clarification, is there corresponding contribution in RAN3?[Docomo] clarifies[VF] asks question for clarification[Docomo] clarifies[HW] is it only alignment?[Docomo] clarifies[HW] comments, previous discussion does not reach consensus.[Chair] asks for clarification, is the CR introducing new behavior?[Docomo] clarifies, that is not the intention.[Nokia] comments, that changes can be captured in a better way.[Docomo] clarifies that open for simplifying CR.[Chair] continue discussion over email>>CC\_2<< | available |  |
| 5 | Studies areas |  |  |  |  |  |  |  |
| 5.1 | Study on 5G security enhancement against false base stations | S3‑220110 | LS out on authenticity and replay protection of system information | CableLabs | LS out |  | available |  |
|  |  | S3‑220111 | Update to solution #25 | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220112 | Evaluation of solution #4 | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220113 | Conclusion for KI#3 | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220134 | 5GFBS-Conclusion for solution#17 | Apple | pCR | [Ericsson] : Ericsson strongly supports the conclusion.[Deutsche Telekom] : DT supports the conlusion to use solution #17 as the basis of normative work. | available |  |
|  |  | S3‑220135 | 5GFBS- Draft LS to RAN plenary on the conlcusion of solution#17 | Apple | pCR | [Ericsson] : Ericsson supports the draft.[Deutsche Telekom] : DT supports this draft LS to RAN plenary. | available |  |
|  |  | S3‑220192 | addressing the editor's notes in sol#27 | Huawei, HiSilicon, CableLabs | pCR |  | available |  |
|  |  | S3‑220305 | Addressing the editor | CableLabs | pCR |  | available |  |
|  |  | S3‑220306 | Addressing the editor | CableLabs | pCR |  | available |  |
|  |  | S3‑220307 | Addressing the editor | CableLabs | pCR |  | available |  |
|  |  | S3‑220308 | Addressing the editor | CableLabs | pCR |  | available |  |
|  |  | S3‑220309 | Addressing the editor | CableLabs | pCR |  | available |  |
|  |  | S3‑220310 | Addressing the editor | CableLabs | pCR | [Deutsche Telekom] : asks further clarification | available |  |
|  |  | S3‑220353 | New Solution: Shared key based MIB/SIBs protection with enhanced protection against replay/MitM attacks | Philips International B.V. | pCR |  | available |  |
|  |  | S3‑220364 | Key Issue for Secure RRC connection setup procedure | Nokia Corporation | pCR |  | withdrawn |  |
|  |  | S3‑220406 | Detection of MitM attacks with secret paging | Lenovo, Motorola Mobility | pCR |  | available |  |
|  |  | S3‑220437 | Key Issue for Secure RRC connection setup procedure | Nokia Corporation | pCR |  | available |  |
| 5.2 | Study on Security Impacts of Virtualisation | S3‑220062 | New Solution: Confidentiality, and Integrity Protection for Container Images | MITRE Corporation | pCR | [Nokia]: asks for clarification. | available |  |
|  |  | S3‑220077 | Updates to Terminology for Solution #5 | Johns Hopkins University APL, US National Security Agency | pCR |  | available |  |
|  |  | S3‑220078 | Updates to Solution #5 | Johns Hopkins University APL, US National Security Agency, CISA ECD, InterDigital | pCR | [Nokia]: accepts updates to Solution#5 and provides comments. | available |  |
| 5.3 | Study on authentication enhancements in 5GS |  |  |  |  |  |  |  |
| 5.4 | Study on Security Aspects of Enhancement of Support for Edge Computing in 5GC | S3‑220139 | MEC - TR - Conclusion for KI#1 and KI#2. | Apple | CR | [Qualcomm] : propose to Note, as agreed to discuss the content of TR contributions will be discussed in the agenda 4.10 | available |  |
|  |  | S3‑220140 | MEC - TR - Authentication between EEC and ECS based on TLS-PSK | Apple | CR | [Huawei] : propose to Note, as agreed duiring the call that content of 140/141/142 will be discussed in the agenda 4.10[Apple] : Agree to discuss in agenda 4.10. | available |  |
|  |  | S3‑220141 | MEC - TR - Modification and Evaluation for solution#28 | Apple | CR | [Huawei] : propose to Note, as agreed duiring the call that content of 140/141/142 will be discussed in the agenda 4.10[Apple] : Agree to discuss in agenda 4.10. | available |  |
|  |  | S3‑220142 | MEC - TR - Conclusion for key isolation issue | Apple | CR | [Huawei] : propose to Note, as agreed during the call that content of 140/141/142 will be discussed in the agenda 4.10[Apple] : Agree to discuss in agenda 4.10. | available |  |
|  |  | S3‑220230 | Clean up for TR 33.839 | Huawei, HiSilicon | CR |  | available |  |
| 5.5 | Study on Security Aspects of Enhancement for Proximity Based Services in 5GS | S3‑220054 | LS to 3GPP on Identification of source PLMN-ID in SBA | GSMA | LS in |  | available |  |
|  |  | S3‑220081 | Conclusion for NSSAA support with L3 U2N | InterDigital Finland Oy | CR |  | available |  |
|  |  | S3‑220159 | Discussion on Secondary Authentication and NSSAA for Remote UE over L3 U2N relay without using N3IWF | LG Electronics Inc., InterDigital, Xiaomi, Verizon Wireless, Samsung | discussion |  | available |  |
|  |  | S3‑220160 | Conclusion for Secondary Authentication support with L3 U2N Relay | LG Electronics Inc., InterDigital | CR | [Ericsson] : Ericsson propose to note the contribution.[LGE] : asks a clarification question to Ericsson | available |  |
|  |  | S3‑220329 | Additional conclusion of KI #17 | Qualcomm Incorporated, CATT, InterDigital, Ericsson | CR | [LGE] : revision and clarification required[Xiaomi]: has similar concerns as LG’s and proposes changes | available |  |
|  |  | S3‑220330 | Update of conclusion for KI#5 | Qualcomm Incorporated | CR | [Philips] proposes to use S3-220440 as a basis for discussion | available |  |
|  |  | S3‑220331 | Conclusion for KI#16 | Qualcomm Incorporated | CR |  | available |  |
|  |  | S3‑220355 | Updates Key Issue #1 | Philips International B.V. | CR |  | available |  |
|  |  | S3‑220356 | Updates Solution #43 | Philips International B.V. | CR |  | available |  |
|  |  | S3‑220358 | Resolve EN in solution #44 | Ericsson | CR |  | available |  |
|  |  | S3‑220359 | Conclusion for user plane solutions for KI#3, KI#4, KI#9 | Ericsson | CR |  | available |  |
|  |  | S3‑220379 | TR 33.847 | MITRE Corporation | CR |  | available |  |
|  |  | S3‑220439 | TR 33.847 - Discussion on KI#5 conclusions | Philips International B.V. | discussion |  | available |  |
|  |  | S3‑220440 | TR 33.847 - Update to conclusions of KI#5 | Philips International B.V. | CR | [Philips] proposes to use S3-220440 as a basis for discussion on KI#5, and provides revision r1 to reflect the wording of S3-220330. | available |  |
| 5.6 | Study on Security Aspects of Enhancements for 5G Multicast-Broadcast Services |  |  |  |  |  |  |  |
| 5.7 | Study on security aspects of the 5GMSG Service | S3‑220264 | Editorial changes to TR 33.862 | China Mobile | CR |  | available |  |
| 5.8 | Study on security aspects of enablers for Network Automation (eNA) for the 5G system (5GS) Phase 2 |  |  |  |  |  |  |  |
| 5.9 | Study on the security of AMF re-allocation | S3‑220412 | LS on full Registration Request upon AMF re-allocation | Ericsson | LS out | [Huawei] : supports the contribution and provides r1. | available |  |
| 5.1 | Study on Security for NR Integrated Access and Backhaul | S3‑220296 | Coversheet for TS 33.824 | Samsung | TS or TR cover |  | available |  |
| 5.11 | Study on enhanced Security Aspects of the 5G Service Based Architecture | S3‑220287 | Evaluation and Conclusion for Key Issue#9 | Samsung | pCR |  | available |  |
|  |  | S3‑220389 | New KI on N32 security in Roaming Hub scenarios | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑220390 | Resolution EN authorization method negotiation per KI7-Sol9 | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑220391 | New sol. for KI7 on authorization mechanism negotiation | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑220409 | Resolution EN on NF Set per KI6-Sol7 | Nokia, Nokia Shanghai Bell | pCR |  | available |  |
|  |  | S3‑220438 | New KI for Authentication of PLMNs over IPX | CableLabs | pCR |  | available |  |
| 5.12 | Study on enhanced security for network slicing Phase 2 | S3‑220115 | conclusion for KI#1 | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220116 | updates to KI#2 | Huawei, HiSilicon | pCR |  | available |  |
|  |  | S3‑220199 | eNS2: Key Issue #2 update | Xiaomi Communications | pCR |  | withdrawn |  |
|  |  | S3‑220200 | eNS2: Key Issue #2 update | Xiaomi Communications | pCR | [Huawei] : request revisions as suggested in the email. | available |  |
|  |  | S3‑220226 | eNS2\_Solution #1Update | Xiaomi Communications | pCR | [Huawei] : request clarification. | available |  |
| 5.13 | Study on non-seamless WLAN Offload in 5GS using 3GPP credentials | S3‑220021 | Reply LS on proposed NSWO architecture | S2-2107859 | LS in |  | available |  |
|  |  | S3‑220042 | Addressing several issue from MCC and EditHelp for TR 33.811 | Nokia, Nokia Shanghai Bell | CR |  | available |  |
| 5.14 | Study on privacy of identifiers over radio access | S3‑220044 | TR 33.870 - Skeleton | InterDigital, Inc. | draft TR | [Huawei]: comments that the solution template includes a title that maybe should be removed. | available |  |
|  |  | S3‑220055 | TR 33.870 - Scope | InterDigital, Inc. | pCR |  | available |  |
|  |  | S3‑220057 | TR 33.870 | InterDigital, Inc. | pCR | [NCSC]: suggests this is merged into S3-220073 | available |  |
|  |  | S3‑220058 | TR 33.870 - References | InterDigital, Inc. | pCR | [Huawei]: comments that references are introduced upon first occurrence alongside the changes where they are needed. | available |  |
|  |  | S3‑220060 | TR 33.870 - Abbreviations | InterDigital, Inc. | pCR | [Huawei]: comments that abbreviations are introduced upon first occurrence alongside the changes where they are needed. | available |  |
|  |  | S3‑220068 | TR 33.870 | InterDigital, Inc. | pCR | [Huawei]: requires a revision and especially the removal of the content in the last column since this is bypassing the work and the discussion we need to do when developing the key issues.  | available |  |
|  |  | S3‑220073 | New key issue on SUPI length disclosed by SUCI | Ericsson LM | pCR | [NCSC]: suggests this contribution is used as the baseline for this Key Issue | available |  |
|  |  | S3‑220108 | New KI privacy protection of SUCI | China Southern Power Grid Co., Ltd, ZTE Corporation | other | [NCSC]: suggests this is merged into S3-220073 | available |  |
| 5.15 | Study on Standardising Automated Certificate Management in SBA | S3‑220237 | New Key issue on automated certificate management for SBA NF | Huawei, Hisilicon | pCR |  | available |  |
|  |  | S3‑220339 | Scope for Automated Certificate Management in SBA TR | Nokia Germany | pCR |  | available |  |
|  |  | S3‑220354 | Introduction for Automated Certificate Management in SBA TR | Nokia Germany | pCR |  | available |  |
|  |  | S3‑220381 | Skeleton for Automated Certificate Management in SBA TR | Nokia Germany | pCR |  | available |  |
| 6 | CVD and research |  |  |  |  |  |  |  |
| 7 | Any Other Business |  |  |  |  |  |  |  |