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| **Agenda** | **Topic** | **TDoc** | **Title** | **Source** | **Type** | **Comments** | **Disposition** |
| 1 | Agenda and Meeting Objectives | [S3‑241100](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241100.zip) | Agenda | SA WG3 Chair | agenda |  | approved |
|  |  | [S3‑241101](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241101.zip) | Process for SA3#115adHoc-e | SA WG3 Chair | other |  | noted |
|  |  | [S3‑241102](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241102.zip) | Detail agenda planning for SA3#115AdHoc-e | SA WG3 Chair | other | <CC1>  Chair: objections need to be raised before first objection deadline  </CC1> | noted |
| 2 | Meeting Reports |  |  |  |  |  |  |
| 3 | Reports and Liaisons from other Groups (selected LS corresponding to topics in the agenda) | [S3‑241393](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241393.zip) | LS to CT on IANA reservation on Security vulnerability fix for use of AES-GCM and AES-GMAC in 33.203 | Apple | LS out |  |  |
|  |  | [S3‑241484](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241484.zip) | LS on vulnerability due to null ciphering request by network | Google Inc. | LS out |  |  |
|  |  | [S3‑241495](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241495.zip) | Reply LS on request to change integrity algorithm of 256-NIA3 / 256-NCA3 | ETSI SAGE | LS in | <CC1>  Nokia: SAGE is doing what SA3 asked  Huawei: note  </CC1> | noted |
| 4 | Work areas |  |  |  |  |  |  |
| 4.1.13 | Security Aspects of eNA (Only contributions to resolve the model sharing will be treated). | [S3‑241313](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241313.zip) | Discussion paper for authorization of AIML model sharing | Huawei, HiSilicon | discussion | [Ericsson]: proposes to note this discussion paper and continue the discussion in the thread for S3-241363  <CC1>  Rong presents, can be noted  </CC1> | noted |
|  |  | [S3‑241314](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241314.zip) | Update procedure for secured and authorized AI/ML model sharing | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, vivo, Intel | CR | [Ericsson]: proposes to merge this contribution in S3-241363 and use the thread of S3-241363 for further discussion | Merged in 363 |
|  |  | [S3‑241361](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241361.zip) | Discussion of "Update procedure for secured and authorized AI/ML model sharing" | Ericsson | discussion | [Ericsson]: This discussion paper was submitted for discussion and can be noted.  <CC1>  Christine presents  E//: 363-r1 implements compromise proposal suggested offline on Friday  Huawei: generally ok with 363, need to provide detailed comments  Nokia: both solutions technically valid, appreciate compromise to include vendor ID, note: there is implicit trust  CMCC: prefer use of CCA, ok with compromise way forward  Huawei: offline conference call should not be taken as having made a decision, please wait for our comments via email.  </CC1> | noted |
|  |  | [S3‑241363](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241363.zip) | Update procedure for secured and authorized AI/ML model sharing | Ericsson | CR | [Ericsson]: provides r1  [Nokia]: proposes to add a NOTE in step 5.  [Huawei]: provide r2.  [Ericsson]: replies to Nokia and Huawei  [Huawei]: provides r2.  [vivo]: just FYI.  <CC3>  Rong presents -r2  Huawei: ok with -r1, too  Nokia: capture in note about vendor ID, to be conveyed in step 5 of the request, the inforamtion is not checked in way it is normally done.  Chair: what is the status?  Nokia: add Note to -r1  Huawei: ok with -r1, work on adding note or not  E//: only open issue is formulation of note, have sent a mail accordingly  Chair: is there an LS required?  Vivo: SA2 and CT4 strictly frozen in June, so ask liaison to do it.  Nokia: they have their last meeting in May, also need to inform unofficially the colleagues, they need to work on this ASAP  E//: no strong opinion  Chair: if LS is required, need to be known on Thursday.  </CC2>  [Huawei]: fine with r1. Moreover, we don't think the LS to stage3/CT is needed.  [Nokia]: uploads -r4 based on -r1.  [vivo]: provide content of LS.  [Ericsson]: r4 is fine, proposes r5 with slight reformulation and adding supporting companies of S3-241314, neutral to sending LS  <CC4>  vivo: send LS to SA2 and CT4 to inform we have agreed  Huawei: no need to send to CT4, for them there is no work, just send to SA2  </CC4>  [Huawei]: suggest not to send the LS to and/or cc to CT3 and CT4.  [Nokia]: Ok with -r5 | Agreed r5  LS r3 agreed |
|  |  | [S3‑241369](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241369.zip) | Authorization of NWDAF MTLF to request FL process on behalf of AnLF | Nokia | CR | [Ericsson]: requires clarification  <CC1>  German: proposal for X.9, will revise according to conclusion of X.10.  </CC1>  [Nokia]: provides clarification and alternative -r1 revision.  [Ericsson]: provides r2  [Nokia]: provides -r3  [Ericsson]: asks Nokia for clarification  [Nokia]: provides clarification.  [Ericsson]: provides r4  [Nokia]: prefers -r3  [Nokia]: provides -r5  [Ericsson]: r5 is fine | R5 agreed |
| 4.6 | WID on mission critical security enhancements for release 19 | [S3‑241109](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241109.zip) | [33.180] MC migration service authentication and authorization | Motorola Solutions | CR | [Ericsson]: it requires clarification/revision before approval  [MSI]: Agree with Ericsson. MSI withdraws this contribution  [Nokia]: Requires clarification before acceptable. | withdrawn |
| 4.7 | WID on Addition of Milenage-256 algorithm |  |  |  |  |  |  |
| 4.8 | WID on 3GPP profiles for cryptographic algorithms and security protocols | [S3‑241107](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241107.zip) | Living document for CryptoSP: draftCR to TS 33.210, Updates to cryprographic profiles | Ericsson | draftCR |  | Will be revised into S3-241499 and will go for email approval |
|  |  | [S3‑241108](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241108.zip) | Living document for CryptoSP: draftCR to TS 33.501, Updates to cryptographic profiles | Ericsson | draftCR |  | Will be revised into S3-241500 and will go for email approval |
|  |  | [S3‑241277](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241277.zip) | Updates to the 3GPP TLS profile | Ericsson | other | [Ericsson] : Provides revision  [Huawei]: Requires removing the requirements related to QUIC for now.  [Ericsson]: Response to Huawei's comment  [Ericsson]: Provides r2 addressing Huawei's comment on QUIC.  [Huawei]: is fine with r2 | Approved |
|  |  | [S3‑241298](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241298.zip) | Updates to TLS protocol profiles | Nokia, Nokia Shanghai Bell | CR | [Ericsson] : Request revision.  [Huawei]: proposes changes and requires clarifications  [Nokia]: clarification needed on the detailed comments from the Athens meeting  [Ericsson]: Comments given in an attached file.  [Nokia]: provides revision 1  [Huawei]: is fine with the content in r1  [Ericsson]: proposes to postpone to the next meeting. | Noted |
|  |  | [S3‑241305](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241305.zip) | update to the Profiling for TLS 1.3 | Huawei, HiSilicon | other | [Ericsson] : Provides r1  [Huawei]: r1 is fine  [Ericsson]: upon approval, rationale of this document will be copied into the cover page of the living document. | Approved |
|  |  | [S3‑241347](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241347.zip) | Updates for deprecation of TLS1.0 and TLS1.1 | Nokia, Nokia Shanghai Bell | CR | [Ericsson] : Requires revision.  [Huawei]: seconds Ericsson comments that 33.501 might not be the right place for this RFC should it be needed in the first place. | Noted |
|  |  | [S3‑241278](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241278.zip) | Clarification that 64-bit random IVs are forbidden in ESP | Ericsson | other |  | Approved |
|  |  | [S3‑241279](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241279.zip) | Implicit Initialization Vector (IV) for Counter-Based Ciphers in ESP | Ericsson | other |  | Approved |
|  |  | [S3‑241296](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241296.zip) | Updates to Profiling of IPsec | Nokia, Nokia Shanghai Bell | CR | [Ericsson] : The CR is not really needed but can live with revision.  [Huawei]: disagrees with the changes for now due to backward compatibility issues  [Nokia]: can be noted, document will be reworked and submitted in the next meeting | Noted |
|  |  | [S3‑241306](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241306.zip) | Update to IKEv2 authentication | Huawei, HiSilicon | draftCR |  | S3-241319 will be merged with it and the resulting living document will go for email approval. Need to a new number of the outgoing living document. |
|  |  | [S3‑241280](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241280.zip) | Correcting terminologies related to DTLS over SCTP | Ericsson | other |  | Noted |
|  |  | [S3‑241281](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241281.zip) | Clarifying vulnerabilities in DTLS over SCTP | Ericsson | other | [Qualcomm]: seek clarification on contribution before approval  [Huawei]: considers this is not needed  [Ericsson]: provides clarification  [Ericsson]: provides r1  [Qualcomm]: r1 OK  [Huawei]: provides further changes and a way forward  [Ericsson]: provides r2  [Qualcomm]: OK with r2  [Huawei]: is fine with r2 | Approved |
|  |  | [S3‑241299](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241299.zip) | Updates related to references | Nokia, Nokia Shanghai Bell | CR | [Ericsson] : Requires revision  [Nokia]: my apologies for the inconvenience with all these pCR and for not using the correct baseline document | Noted |
|  |  | [S3‑241319](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241319.zip) | Updating Obsolete RFC 2252 by RFC 4510 | Huawei, HiSilicon | other |  | merged into S3-241306 |
|  |  | [S3‑241438](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241438.zip) | Clarifications of privacy options for EAP-TLS | Ericsson LM | other | [Qualcomm]: changes required before approval  [Huawei]: asks for clarifications  [Ericsson]: Providing response and revision  [Qualcomm]: changes still needed before approval  [Huawei]: proposes to add EN that these changes require further work  [Ericsson]: Responds | Noted |
|  |  | [S3‑241487](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241487.zip) | Discussion on working procedure for WID on 3GPP profiles for cryptographic algorithms and security protocols | NTT DOCOMO INC. | discussion | <CC1>  Alf presents  E//: problem with objection in last minute, prefer stable in 117, then wait for one round and commit in 119  Huawei: ok with this in proposal, have one meeting cycle where we don't touch the draft CR, alternatively, convert to CR and conditionally agree  DCM: ok with moving forward by one cycle  CableLabs: find a way to ascertain the given consent  QC: proposal is reasonable, as proposal is only about deprecation.  Huawei: convert to CRs then endorse them and record in the meeting minutes, and then only  Chair: technical content can needs to be stable, but can be still be objected  CableLabs: could still make comments  DCM: could have references that are deprecating algorithms, so need make time for this  QC: need to make sure it is clear what is deprecated  Huawei: in 117, we make endorse, then have review in 118, send for approval.  DCM: prefer review until 119  QC: going to same plenary  Huawei: makes sense.  </CC1>  [Ericsson]: Provides r1  [NTT DOCOMO]: -r1 is ok, it implements the agreement of the conf call. | Endorsed |
| 4.9 | WID on security aspects of the 5GMSG Service phase 3 | [S3‑241230](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241230.zip) | Authentication and Authorization in bulk registration scenarios | China Mobile | draftCR | [Qualcomm]: Clarification needed before approval  [CMCC]: provides clarification  [Qualcomm]: OK with the original document after clarification | agreed |
| 5 | Rel-19 Studies |  |  |  |  |  |  |
| 5.1 | Study on enablers for Zero Trust Security | [S3‑241341](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241341.zip) | Discussion on the exposure of security related data | Huawei, HiSilicon | discussion | [Lenovo]: It is a discussion paper and so it is noted. | Noted |
|  |  | [S3‑241141](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241141.zip) | Resolving EN on data exposure | Lenovo, MITRE Corporation, OTD\_US, Johns Hopkins APL, Motorola Mobility | pCR | [Lenovo] : Based on SA3 offline call, propose to merge S3-241141 in S3-241425.  As further clarifications related to this aspect will be handled in the related KI itself. | S3-241141 and S3-241140 merged in S3-241425.  draft\_S3-241425-r4 approved |
|  |  | [S3‑241140](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241140.zip) | Resolving EN on dynamic security policy enforcement | Lenovo, MITRE Corporation, OTD\_US, Johns Hopkins APL, Motorola Mobility | pCR | [Lenovo] : Based on SA3 offline call, propose to merge S3-241140 in S3-241425.  As further clarifications related to this aspect will be handled in the related KI itself. | merged |
|  |  | [S3‑241425](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241425.zip) | Update of the security assumptions | Ericsson | pCR | [Lenovo] : Based on the SA3 offline call, further clarifications on the assumptions indicated by EN can be handled as part of the KI and solutions.  Propose to merge S3-241140 and S3-241141 in S3-241425.  Provided r1.  Asks clarification.  <CC1>  Sheeba presents -r1 which is a merger.  Ericsson: change of "can be" to "is", because there is a lot of information that is not in 3GPP layer  CMCC: concern with this change, because that would refuse the possibility to introduce this. Maybe to have this introduced in a future release  E//: will think about this possibility  </CC1>  [Lenovo] : Suggests a word formulation to address CMCC's comment.  [Ericsson] : Provides r2.  [Huawei]: fine with r2  [CMCC] provides r3  [Lenovo]: r3 is fine.  [Ericsson]: is fine with r3.  [Huawei]: is fine with r3  [Lenovo]: Requests editorial update on cover page. | draft\_S3-241425-r4 approved |
|  |  | [S3‑241139](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241139.zip) | Updates to Malformed Message Usecase | Lenovo, MITRE Corporation, OTD\_US, Johns Hopkins APL, Motorola Mobility | pCR | [MITRE] provides comments  [Ericsson]: Is ok merging 1139, 1339, 1426 in 1139. Provides comments to 1139.  [Huawei]: is ok with merging, requires clarifications on 1139 and provides replies to comments on 1339  [Lenovo]: Provides r1 and detailed clarifications.  [Huawei]: provides replies to Lenovo's comments and still considers the evaluation incomplete.  [Lenovo]: Provides additional clarifications to Huawei and asks to leave the solution discussions upto solution phase.  [MITRE] provides comments.  [Lenovo] : Provides r2 for the way forward.  Also provides responses to MITRE and additional clarifications to Huawei.  [Huawei]: still requires EN for further evaluation and clarifies that the intention is not to block progress on KIs and corresponding solutions.  [Lenovo] : Provides r3 for the way forward.  Requests Huawei to check both r2 and r3.  [Huawei]: is fine with r3 | S3-241339, S3-241426 merged in S3-241139.  draft\_S3-241139-r3 approved |
|  |  | [S3‑241339](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241339.zip) | Evaluation for the use case on malformed messages | Huawei, HiSilicon | pCR | [Lenovo] : Propose to merge S3-241339 in S3-241139 and use the same thread to discuss this usecase related updates in one place.  [Huawei]: replies to comments and closes this thread. | Merged in 1139 |
|  |  | [S3‑241426](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241426.zip) | Update on malformed messages in the 5G SBA | Ericsson | pCR | [Lenovo] : Propose to merge S3-241426 in S3-241139 and use the same thread to discuss this usecase related updates in one place. | Merged in 1139 |
|  |  | [S3‑241138](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241138.zip) | Updates to Massive number of SBI messages | Lenovo, MITRE Corporation, OTD\_US, Johns Hopkins APL, Motorola Mobility | pCR | [Ericsson]: Proposes changes.  [Huawei]: requires clarifications and updates  [Lenovo]: Provides r1 which merges 1340. Also provides clarifications.  [Huawei]: asks for clarifications and provides a way forward  [Lenovo]: provides clarifications along with r2.  [Huawei]: still requires EN for further evaluation and clarifies that the intention is not to block progress on KIs and corresponding solutions.  [Lenovo]: provides r3.  [Lenovo]: r3 is available since yesterday.  [Huawei]: is fine with r3 | draft\_S3-241138-r3 approved |
|  |  | [S3‑241340](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241340.zip) | Evaluation for the use case on number of messages | Huawei, HiSilicon | pCR | [Lenovo] : Propose to merge S3-241340 in S3-241138 and use the 1138 thread to discuss this usecase related updates in one place.  [Huawei]: replies to the comments and closes the thread | S3-241340 merged in S3-241138 |
|  |  | [S3‑241154](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241154.zip) | Resolve EN and provide updates to use case 3 | MITRE Corporation, US NSA, Lenovo | pCR | [MITRE] provides merger with S3-241320 in Drafts folder  [Ericsson]: Ericsson agrees with the merger and provides comments to r1.  [Huawei] : Propose to merge S3-241320 to S3-241154 and provide comments on r1.  [MITRE] provides r2 and clarifications.  [Lenovo] : Asks refinement to include reference.  [MITRE] provides r3  [HUawei] : comments for S3-241154-r3  [MITRE] provides r4 and clarifications.  [HUawei] : comments for S3-241154-r4. Request to revision before approval.  [MITRE] provides clarification and provides r5.  [HUawei] : Acceptance to R5  [MITRE] provides r6.  [Lenovo] r6 is fine.  [Ericsson]: proposes minor revisions to remove normative language.  [MITRE] provides r7 with Ericsson editorial changes.  [Ericsson]: is fine with r7. | (r7) approved |
|  |  | [S3‑241155](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241155.zip) | Resolve EN and provide updates to use case 4 | MITRE Corporation, US NSA, Lenovo | pCR | [Ericsson]: requests for clarifications, proposes changes.  [Huawei]: asks for clarifications  [MITRE]: Thanks people for the comments and responds.  [Ericsson]: provides comments.  [MITRE]: provides comments and uploads r1.  [Lenovo]: r1 if fine.  [Ericsson]: is fine with r1.  [Huawei]: r1 is fine | R1 approved |
|  |  | [S3‑241103](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241103.zip) | New use case for security evaluation and monitoring: NFV vulnerabilities | Dell Technologies | pCR | [Ericsson]: does not believe this document is in scope of the study.  [Huawei]: agrees with Ericsson view that this is not in scope of the study and hence should be noted | (r1) NOTED |
|  |  | [S3‑241104](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241104.zip) | New use case for security evaluation and monitoring: API security risks | Dell Technologies | pCR | [Ericsson]: requests for clarifications before approval.  [Huawei]: requires clarifications and updates before approval  [Lenovo]: Provides editorial comment and requests revision.  [DELL] update the use case description with r2  [Nokia]: Fine with r2  [Dell]: Update the co-signer  [Ericsson]: requests for further clarifications.  [Dell]: Reply to Ericsson's comments  [Dell]: Updated version R4 based on lenovo's comments  [Lenovo]: r4 is okay  [Huawei]: proposes to note this | Noted |
|  |  | [S3‑241105](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241105.zip) | New use case for security evaluation and monitoring: Man-in-the-Middle (MitM) attacks | Dell Technologies | pCR | [Ericsson]: requests for clarifications before approval.  [Huawei]: disagrees with this use case in its current form  [DELL] update the use case description with r2  [Nokia]: Fine with r2  [Dell]: Update the co-signer  [Lenovo]: Requests minor revision.  [DELL]: Updated r4 version based on Lenovo's suggestions.  [Lenovo]: r4 is okay  [Ericsson]: proposes to note for this meeting. | (r4) Noted |
|  |  | [S3‑241106](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241106.zip) | New use case for security evaluation and monitoring: Identity spoofing and impersonation (Aka Rogue Elements) | Dell Technologies | pCR | [Ericsson]: requests for clarifications before approval.  [Huawei]: Shares same view as Ericsson  [Lenovo]: Provides editorial comment and requests revision.  [DELL] update the use case description with r2  [Ericsson]: requests for clarifications.  [Dell]: to clarify 241106 based on Ericsson's comments  [Ericsson]: provides comments  [DELL]: Reply to Ericsson's comments  [Lenovo]: Provides feedback and requests minor revision.  [DELL]: Reply to the comments  [Lenovo]: r3 is okay.  [Ericsson]: proposes to note for this meeting. | (r4) Noted |
|  |  | [S3‑241156](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241156.zip) | Abnormal SBI Call Flow | US National Security Agency, MITRE Corporation, OTD\_US | pCR | [Ericsson]: requests for clarifications.  [Huawei]: requires clarifications before approval  [MITRE] provides clarifications.  [[US NSA] ] additional clarifications on passive monitoring.  [US NSA] provides r1.  [MITRE] additional clarifications on passive monitoring.  [Huawei]: requires update  [MITRE] provides r2  [US NSA] provides response and revision 3  [Huawei]: is fine with r3 | (r3) approved |
|  |  | [S3‑241320](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241320.zip) | Data related to failed audience claim in the access token | Huawei, HiSilicon | pCR | [Lenovo] : Propose to merge S3-241320 in S3-241154.  As existing usecase 3 is a related one which can be updated.  [Huawei] : Provide clarification  [MITRE] propose merger in S3-241154 | Merged in S3-241154 |
|  |  | [S3‑241137](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241137.zip) | Updates to Access control decision enhancement usecase | Lenovo, MITRE Corporation, OTD\_US, Johns Hopkins APL, Motorola Mobility | pCR |  | approved |
|  |  | [S3‑241136](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241136.zip) | Updates to KI#1 | Lenovo, Nokia, Nokia Shanghai Bell, MITRE Corporation, OTD\_US, Johns Hopkins APL, Motorola Mobility | pCR | [Lenovo] : Based on SA3 offline call discussions, S3-241136 can be merged in S3-241423. | S3-241136 merged in S3-241423 |
|  |  | [S3‑241423](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241423.zip) | Adding requirements to KI#1 "Data exposure for security evaluation and monitoring" | Ericsson | pCR | [Lenovo] : Based on SA3 offline call discussions and Ericsson's proposal, S3-241136 can be merged in S3-241423.  Provided r1  <CC1>  Sheeba presents r1  E//: change on Note4?  Lenovo: just used terminology from security assumption in R19  E//: why remove editor's note  Lenovo: because editors note can be seen as incomplete  Huawei: this KI and working on data to expose in 5.1, KI will depend on this, same KI as in R19  DCM: the second editor's note is not resolved, as there is reference to SA WG2 which can't be done in text  Chair: Re-introduce the EN, not as regular text.  </CC1>  [Lenovo] : Provided r2.  Based on SA3 official call discussions, provided r2 to retain the EN on SA2.  [Huawei]: provides r3 including a formulation of the requirement and a question on the last paragraph of the details  [Lenovo]: provides r4 which includes r3 changes and adds additional clarifications  [Lenovo]: Asks to check r4 and confirm if its fine or any refinement is needed.  [Huawei]: is fine with r4  [MITRE] fine with r4.  [Lenovo]: Requests editorial update on cover page.  [Ericsson]: provides r5 with the source list in the cover page updated to include the source list from 1136  [Lenovo]: thanks and r5 is fine. | draft\_S3-241423-r5 approved |
|  |  | [S3‑241135](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241135.zip) | New KI on dynamic security policy enforcement | Lenovo, MITRE Corporation, OTD\_US, Johns Hopkins APL, Motorola Mobility | pCR | [Lenovo] : Based on SA3 offline call discussions, S3-241135 can be merged in S3-241424. | S3-241135 merged in S3-241424. |
|  |  | [S3‑241424](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241424.zip) | Adding Key Issue on WT2 "Security mechanism for dynamic policy enforcement" | Ericsson | pCR | [Lenovo] : Based on SA3 offline call discussions and Ericsson's proposal, S3-241135 can be merged in S3-241424.  Asks clarification on text.  <CC1>  Vlasios presents  Huawei: have reservations, too solutions oriented, turning NRF as a critical function of SBA layer, but making it a requirement is too solution oriented  Lenovo: PDP need to take into account info from outside 3GPP layer,  E//: other information, e.g. from virtualization infrastructure, etc.  Huawei: agree with this view. But in the end it is left to implementation  Mitre: these points sound like evaluation aspects  E//: defining what can be specified is what information is collected, but not how it is processed, interfaces can be specified for SBA aspect  DCM: need to consider a more global naming scheme  Lenovo: this is about the reaction towards the network  Dell: also have 4 contributions on which info to provide  </CC1>  [Ericsson]: provides r1 to continue the discussion.  [Huawei]: objects to the key issue proposal in this form  [Lenovo]: Provides r2 with textual refinements to address Huawei's comments.  [Ericsson]: clarifications to Huawei's comments.  [Huawei]: provides a way forward  [Ericsson]: provides clarifications.  [Lenovo]: provides r3 for the way forward.  Which simplifies and makes the security requirement bit clear to facilitate solution discussions in the direction of TS 33.501.  [Ericsson]: provides r4.  [Lenovo]: Asks minor revision over r4 for clarity.  [Ericsson]: provides r5 with Lenovo's proposal  [Lenovo]: r5 is fine and clear.  [Huawei]: disagrees with r5  [Lenovo]: Asks way forward, provided simpler options for security requirement line. | S3-241135 merged in S3-241424.  draft\_S3-241424-r6 is available (without security requirement)  OPEN  R7 approved |
|  |  | [S3‑241445](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241445.zip) | New Key Issue on data exposure relevant for network level attacks | Nokia | pCR |  | Noted |
|  |  | [S3‑241437](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241437.zip) | New Solution for Key Issue 1 | Nokia | pCR | [Ericsson]: requests clarifications before approval.  [Nokia]: provides clarifications and r1 {https://www.3gpp.org/ftp/tsg\_sa/WG3\_Security/TSGS3\_115AdHoc-e/Inbox/Drafts/draft\_S3-241437\_New\_Solution\_for\_KI1-r1.doc}.  [Huawei]: disagrees with this solution  [Lenovo]: Provides editorial comments.  [Nokia]: Provides r2 and responses to Huawei's comments.  [Lenovo]: r2 is okay  [Ericsson]: proposes to note for this meeting. | Noted |
|  |  | [S3‑241421](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241421.zip) | LS on security data management for continuous security monitoring | Nokia | LS out | [Ericsson]: does not see the need for this LS at this stage.  [Nokia]: provides clarification  [vivo]: propose to note the contribution. | Noted |
|  |  | [S3‑241134](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241134.zip) | FS\_eZTS Offline Call#3 Minutes | Lenovo, Motorola Mobility | report | [Lenovo]: It is a report for information and it is noted. | Noted |
| 5.2 | Study on the security support for the Next Generation Real Time Communication services phase 2 | [S3‑241208](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241208.zip) | update the scope of TR 33.790 | Nokia, Nokia Shanghai Bell | pCR | [Ericsson]: Indicate that this document is merged to 1231 for the completeness of the records. This thread is closed. | Merged to 1231 |
|  |  | [S3‑241231](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241231.zip) | Updated Scope of NGRTC\_Ph2\_Sec | China Mobile | pCR | [Ericsson]: agrees to the merger proposal and 1231 being the baseline. Requests clarifications for the Editor's Note.  <CC1>  Vlasios: CMCC provided mergers  CMCC: no strong opinion on removal of editors notes  Nokia: SA2 is still working on this, so not clear how to update now.  </CC1>  [Nokia]: agrees to the merger proposal and 1231 being the baseline.  [Ericsson]: is fine with r1. | r1 agreed |
|  |  | [S3‑241428](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241428.zip) | Update of the scope clause | Ericsson | pCR | [Ericsson]: Indicate that this document is merged to 1231 for the completeness of the records. This thread is closed. | Merged to 1231 |
|  |  | [S3‑241209](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241209.zip) | new key issue on IMS DC capability exposure | Nokia, Nokia Shanghai Bell, CableLabs | pCR | [Ericsson]: Indicate that this document is merged to 1227 for the completeness of the records. This thread is closed. | Merged to 1227 |
|  |  | [S3‑241227](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241227.zip) | New Key Issue on security aspects of IMS DC capability exposure | China Mobile | pCR | <CC1>  Xiaoting presents -r1  E//:has comments on threats, requirements are ok, good starting point  </CC1>  [Nokia]: agrees to the merger proposal and 1227 being the baseline.  [Huawei]: propose to add EN  [Ericsson]: requests for clarifications, proposes changes.  [CMCC]: provides r2.  [Nokia]: fine with r2.  [Huawei]: fine with r2.  [Ericsson]: proposes changes.  [CMCC]: provides r3.  [Ericsson]: is fine with r3.  [Nokia]: is fine with r3.  [Huawei]: fine with r3 | r3 agreed |
|  |  | [S3‑241210](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241210.zip) | new key issue on authenticity of DC application | Nokia, Nokia Shanghai Bell, CableLabs, China Mobile | pCR | [Huawei]: request clarification  <CC1>  Jing presents  Huawei: KI may not be in 3GPP scope, how and when application may be manipulated, authentication may not help  E//: out of scope of 3GPP  Nokia: some requirements that there is authentication information transmitted, need to make sure that it is not tampered with, source of package has not been tampered with.  E//: doesn't understand the setup  </CC1>  [Ericsson]: requests for clarifications before approval.  [Nokia]: provide answers.  [Huawei] request further clarification  [Nokia] provide further clarification  [Qualcomm]: provides Qualcomm's position  [Huawei]: propose to note | **To be noted.** |
|  |  | [S3‑241211](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241211.zip) | new sol for KI#1 third\_party\_id | Nokia, Nokia Shanghai Bell, CableLabs | pCR | [Huawei]: request clarification  [Nokia]: clarify the questions from Huawei, and provide r1  [Huawei]: request further revision  [Ericsson]: Proposes changes.  [Ericsson]: requests for clarifications and proposes changes.  [Nokia]: Provide clarifications and r2.  [Huawei]: fine with r2  [Ericsson]: fine with r2 | r2 to be approved. |
|  |  | [S3‑241427](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241427.zip) | New solution for the security of 3rd party specific identities | Ericsson | pCR | [Huawei]: request clarification  [Nokia]: request clarification  [Ericsson]: provides clarifications.  [Huawei]: request revision before approval  [Nokia]: Further comments  [Ericsson]: provides comments asks for clarifications.  [Nokia]: provide answer.  [Ericsson]: provides r1.  [Huawei]: fine with clarification  [Nokia]: is fine with r1.  [Huawei]: fine with r1 | r1 agreed |
|  |  | [S3‑241434](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241434.zip) | Solution for third party identity authorisation and verification | Qualcomm Incorporated | pCR | [Huawei]: request clarification  [Nokia]: request clarification  [Ericsson]: requests for clarifications and proposes some changes.  [Qualcomm]: Provides r1 and responses to comments  [Huawei]: revision before approval  [Ericsson]: proposes to add a NOTE about multiple IMPU on the UE  [Qualcomm]: Provides r2 based on further comments  [Ericsson]: is fine with r2.  [Nokia]: is fine with r2.  [Huawei]: fine with r2 | R2 agreed |
|  |  | [S3‑241212](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241212.zip) | new sol for KI#2 Security of IMS based Avatar Communication | Nokia, Nokia Shanghai Bell, CableLabs | pCR | [Huawei]: add EN and request clarification  [Samsung]: requests clarification  [Ericsson]: requests for clarifications before approval.  [Nokia]: Fine to postpone. | To be noted. |
|  |  | [S3‑241213](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241213.zip) | new sol for KI on IMS DC capability exposure | Nokia, Nokia Shanghai Bell, CableLabs | pCR | [Huawei]: request to postpone  [Ericsson]: Changes are needed before approval.  [Nokia]: Fine to postpone. | To be noted. |
| 5.3 | Study on security for PLMN hosting a NPN | [S3‑241159](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241159.zip) | Remove the EN for interface between customer’s AFs and 5G core network | ZTE Corporation | pCR | [Nokia] : Requires clarification before acceptable.  [ZTE] : Provide clarification.  [Nokia] : Provides answers to ZTE.  [Huawei] : Request revision  [JHU-APL]: Propose to reject the added text and keep the original EN.  [China Telecom] : request clarification from JHU-APL  [ZTE] : Provide R1.  [Nokia] : Thanks for the revision - we are fine to accept R1.  [JHU-APL]: Provide clarification on scenario for N6  [ZTE] : Check position. This doc needs clear position from JHU-APL | r1 to be noted? need to check with JHU-APL  r1 approved |
|  |  | [S3‑241160](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241160.zip) | Remove the EN for management interface | ZTE Corporation | pCR | [Nokia] : proposes to merge S3-241160 into S3-241265  [ZTE] : Fine to merge. | merge to 1265 |
|  |  | [S3‑241265](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241265.zip) | Resolution of EN concerning including OAM attacks in the study | Nokia, Nokia Shanghai Bell | pCR | [ZTE] : Fine to merge S3-241160 into S3-241265.  [Nokia] : Provides R1.  [ZTE] : Fine with R1. | r1 to be agreed |
|  |  | [S3‑241247](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241247.zip) | Solve EN of TR 33.757 | China Mobile | pCR | [Huawei] : Request for clarification  [Nokia] : request clarification  [CMCC] : Provide clarification.  [Nokia] : Requires further clarification.  [CMCC] : Provide further clarification.  [CMCC] : Provide comments  [Huawei] : Provide comments  [Nokia] : Proposes to note.  [Nokia] : Propose to postpone S3-241247 and S3-241266. | to be noted |
|  |  | [S3‑241266](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241266.zip) | Resolution EN concerning DoS attack | Nokia, Nokia Shanghai Bell | pCR | [CMCC] : Propose to Note.  [Nokia] : Propose to postpone S3-241247 and S3-241266. | to be noted |
|  |  | [S3‑241244](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241244.zip) | New solution for KI#1 of TR 33.757 | China Mobile | pCR | [JHU-APL]: Propose to include evaluation points for the proposed solution.  [cmcc]: Provide comments.  [cmcc]: Provide r1.  [ZTE] : Check position. This doc needs clear position from JHU-APL | r1 to be agreed?  need to check with JHU-APL  r1 approved |
|  |  | [S3‑241255](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241255.zip) | New solution to KI#1- CIWF for N4 interface | China Telecommunications | pCR | [JHU-APL]: Propose to include evaluation points for the proposed solution.  [China Telecom] : provide comments  [Ericsson]: requires revision before approval  [China Telecom] : provide R1 acccording to JHU-APL's comments in S3-241267. Ericsson's comments missed the deadline set for 1st round of objections  [JHU-APL]: Accept R1. | r1 to be agreed |
|  |  | [S3‑241219](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241219.zip) | A new solution on protecting the Hosted NPN | Huawei, HiSilicon | pCR | [Xiaomi] : provides some comments.  [Huawei]: provides clarification  [Nokia] : Request clarification.  <CC2>  JHU: disagree that security level in PMN is higher  Samsung, Nokia: similar comment  </CC2>  [Samsung]: Propose to note  [Huawei]: provides clarification and r1  [JHU-APL]: Add PNI-NPN Customer for deciding deployment of HNSPP.  [Lenovo]: Provides comments and asks clarifications.  [Nokia]: Provides answers and request clarification.  [Ericsson]: proposes editor's note before acceptance.  [Huawei]: provides clarification and r2  [Nokia]: Request inclusion of EN before acceptable.  [Huawei]: provides r3  [Nokia]: Accepts R3  [Xiaomi]: is ok with r3  [JHU-APL]: accepts r3  [Huawei] check opinions  [Lenovo]: Asks EN for clarifications.  [Lenovo]: r4 is fine.  [Samsung]: Request changes before acceptable  [Huawei]: provides r5 | r5 to be agreed |
|  |  | [S3‑241223](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241223.zip) | Solution on the security protection to avoid UE information disclosure | Huawei, HiSilicon | pCR | [Samsung] : Propose to Note  [Xiaomi] : provides some comments.  [Nokia] : Request clarification else propose to note.  <CC2>  Nokia: have provided comments on email, not needed to standardize this, continue discussion over email  Xiaomi: keep bidirectional security in this  Samsung: will update  </CC2>  [Huawei]: provides response  [JHU-APL]: Proposed clarifications and limitations based on comments.  [Huawei]: provides r1  [China Telecom] : request revision  [Huawei]: provide r2  [Lenovo]: Provides comments and asks clarifications.  [Nokia]: Propose to postpone the evaluation to next meeting.  [China Telecom] : agree to Nokia's proposal to postpone the evaluation  [JHU-APL]: Agree with r2  [Ericsson]: Proposes EN, otherwise proposes to note.  [Huawei]: provides clarification and r3  [Xiaomi]: request revision.  [JHU-APL]: Accept R3.  [Huawei]: provides r4  [Xiaomi]: is fine with r4  [Huawei] Check opinions  [Lenovo]: r4 is okay  [Samsung]: Request changes before acceptable  [Huawei]: provides r5 | r5 to be agreed |
|  |  | [S3‑241245](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241245.zip) | New solution for KI#2 of TR 33.757 | China Mobile | pCR | [Xiaomi] : provides some comments.  [Nokia] : Request clarification.  [JHU-APL]: Propose to include evaluation points for the proposed solution.  [cmcc]: Provide clarification.  [Ericsson]: requires an editor's note  [provides comments] : Support the EN by Ericsson and request revision.  [CMCC] : Provide r1.  [Nokia] : Is fine to accept R1.  [Xiaomi] : is fine with r1  [cmcc]: Provide r2.  [ZTE] : Check position. This doc needs clear position from JHU-APL | r2 to be agreed |
|  |  | [S3‑241258](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241258.zip) | New solution to KI#2- CIWF as a gateway for SBA interface | China Telecommunications | pCR | [Xiaomi] : provides some comments.  [China Telecom] : provides clarification  [JHU-APL]: Propose to include evaluation points for the proposed solution.  [China Telecom] : provide comments  [Ericsson]: requires revision  [China Telecom] : provide R1 acccording to JHU-APL's comments in S3-241267. Ericsson's comments missed the deadline set for 1st round of objections  [Xiaomi] : is fine with r1.  [JHU-APL]: Accept R1. | r1 to be agreed |
|  |  | [S3‑241267](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241267.zip) | New solution to KI#2- CIWF as an delegate for SBA interface | China Telecommunications | pCR | [Xiaomi] : provides some comments.  [China Telecom] : provides clarification and R1  [JHU-APL]: Propose to include evaluation points for the proposed solution.  [China Telecom] : provide comments  [JHU-APL] : provide response to comments  [Ericsson]: requests clarification  [China Telecom] : provide R2 and clarification to Ericsson  [JHU-APL]: Accept R2.  [Xiaomi]: is fine with R2. | r2 to be agreed |
|  |  | [S3‑241474](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241474.zip) | KI#2 New solution for service and information authorization | Xiaomi communications | pCR | [Huawei] : Request for Clarification.  [Xiaomi] : provides Clarification.  [Huawei]: request clarification  [Xiaomi]: provides clarification.  <CC2>  Huawei: more clarification needed  </CC2>  [Huawei]: request revision and clarification  [Xiaomi]: provides r1 and clarification.  {Huawei}: request revision before approval  {Xiaomi}: provides r2  [Huawei]: fine with r2 | r2 to be agreed |
|  |  | [S3‑241402](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241402.zip) | Solution on NF Authorization in PLMN hosting NPN Scenario | Samsung | pCR | [Huawei] : Propose to Note  [Samsung] : Provide Clarification  [Xiaomi] : provides some comments.  <CC2>  Huawei: oppose this solution  </CC2>  [Samsung]: Disagree with the objection. Provide clarification  [Samsung]: Provides clarification to Xiaomi  [Samsung]: Added EN stating applicability of ABE as AuthZ framework is FFS. draft\_S3-241402-r1 is available in drafts folder.  [Ericsson]: cannot download r1.  [Samsung]: Provides r2 as r1 was corrupted  [Ericsson]: Comments  [Samsung]: Added EN. Provides r3.  [ZTE] : Check position. This doc needs clear position from Huawei and Ericsson  [Huawei] : Comments | to be noted |
|  |  | [S3‑241403](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241403.zip) | Solution for DNS Security in PLMN hosting NPN Scenario | Samsung | pCR | [Huawei] : Request for comment.  [Samsung] : Provide Clarification  [Huawei] : Propose to note.  <CC2>  Nokia: maybe the requirement is unclear, implementation specific  Huawei: difference between eDNS and iDNS  DCM: already proposed to note, check these contributions with opposing company first  Samsung: wanted to clarify that solution is implementation specific  </CC2>  [Samsung]: Disagree with the objection. Provide clarification  [Huawei] : Propose to revise.  [Samsung]: Agree to revise  [Nokia]: Provides answers to Samsung.  [JHU-APL]: Include DNS Security for PNI-NPN customer.  [China Telecom] : provide comments  [JHU-APL]: Disagree with comments from China Telecom.  [Samsung]: Added intro text and NOTE. draft\_S3-241403-r1 is available in drafts folder.  [Ericsson]: Requires update.  [Samsung]: Removed specific references to AMF and SMF. draft\_S3-241403-r2 is available in drafts folder.  [Nokia]: Request changes before acceptable.  [Samsung]: Provides r3  [Nokia] : Request to update the EN before acceptable.  [JHU-APL]: Accept r3 with EN change proposed by Nokia.  [Samsung]: Updated EN. Provides r4.  [Nokia] : Nokia is fine with R4.  [JHU-APL] : Accept R4.  [Samsung]: Request final position on r4 from Huawei and Ericsson | r5 approved |
|  |  | [S3‑241475](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241475.zip) | KI#2 New solution for topology hiding | Xiaomi communications | pCR | [China Telecom] : request clarification  [Xiaomi] : provides clarification and r1.  [Ericsson]: Requires revision.  [Xiaomi]: provides r2  [ZTE] : Check position. This doc needs clear position from Ericsson | r2 to be agreed |
|  |  | [S3‑241115](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241115.zip) | New solution on SUPI privacy issue in PLMN hosting NPN Scenario | IIT Delhi, IIT Bhilai | pCR | [China Telecom] : request clarification  [IIT Delhi, IIT Bhilai, Nokia] : Provides clarification  [China Telecom] : request more clarification on UE impacts  [China Telecom] : propose to add an Editor's Note  [IIT Delhi] : added the mentioned Editor's note and uploaded the draft\_S3-241115\_r1  [Apple] : propose to note, as the SID is not supposed to include solutions with UE impact.  [JHU-APL]: Propose to add EN in Evaluation regarding need for this solution.  [Ministére de l'économie et des finances]: Propose to add EN in Evaluation regarding need for this solution.  [IIT Delhi] : added the EN as mentioned by the JHU-APL and Ministére de l'économie et des finances  [JHU-APL] : further comments on EN in r2  [ZTE] : Check position. This doc needs clear position from JHU-APL | NOTED |
|  |  | [S3‑241142](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241142.zip) | Solution to address KI#3 | Lenovo | pCR | [China Telecom] : propose to add EN  [Apple] : propose to note, as the SID is not supposed to include solutions with UE impact.  [Lenovo] : provides r1 with EN proposed by the Rapporteur and provides clarifications.  The SID approval process discussed only network security aspects initially (please check SP-231786 {javascript:openTdoc('https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionUid=SP-231786%27,%27SP-231786%27)} ) and during that time it didn't discuss the threats on 'SUPI disclosure across different security domains', so only network impact was marked as yes during SID approval. But recently approved KI#3 described SUPI disclosure threats across different security domain. If a network-based solution can fully address KI#1 and its threats listed in KI#3 then fine, but unfortunately that is not feasible, as SUPI is bound to key generations in serving network currently. But we accept that we should revisit this contention or the impacts table in the SID proposal. To utilize the time unit effectively, request you to re-consider accepting the revision with the EN proposed by the rapporteur.  [Lenovo] : provides r2 to address Apple's concern.  Removed all UE impacts.  [China Telecom]: propose to just keep an EN in evaluation  [Lenovo]: r3 is available with the EN as provided by China Telecom  [China Telecom]: provide r4  [Lenovo]: r5 is available to fix the editorial, rest the technical content is same as r4.  [China Telecom]: ok with r5  [Lenovo]: r5 do not have any UE impact. Kindly check.  [Apple]: not OK with r5, the impact is not clear. Kindly propose to note in this meeting and continue discussion in next meeting.  [Lenovo]: There is no UE impact in r5. Request to reconsider your position.  If any line shows as UE impact, you can straight away point it out. But there is none.  Provided additional clarifications on the network side impacts.  [Huawei]: propose to add EN  [Lenovo]: Accepts to add EN suggested by Huawei.  R6 is available with the EN.  [Huawei]: request further revision  [Lenovo]: Provides r7  [Huawei]: fine with r7  [ZTE] : Check position. This doc needs clear position from Apple  [Lenovo]: r8 is provided with the Apple suggested EN.  [Apple] : provides the explanation with new added EN, fine with R8. | R8 to be agreed |
|  |  | [S3‑241158](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241158.zip) | New solution for SUPI privacy issue | ZTE Corporation | pCR | [China Telecom] : request clarification  [ZTE] : Provide clarification.  [China Telecom] : propose to add an Editor's Note  [Apple] : propose to note, as the SID is not supposed to include solutions with UE impact.  [JHU-APL]: Propose to add EN in Evaluation regarding need to support AMF located in the PNI-NPN customer domain.  [ZTE] : Provide R1 to add EN as suggested.  [JHU-APL]: Accept R1.  [ZTE] : Check position. This doc needs clear position from Apple | NOTED |
|  |  | [S3‑241246](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241246.zip) | New solution for KI#3 of TR 33.757 | China Mobile | pCR | [Nokia] : Request clarification.  [Ericsson]: requires revision  [CMCC]: Provide clarification  [CMCC] : Provide r1.  [Huawei]: propose to change 'Trusted Environment' to 'secure environment'  [Nokia]: Thanks for the clarification.  [CMCC] : Provide r2.  [Huawei]: fine with r2 | r2 to be agreed |
|  |  | [S3‑241404](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241404.zip) | Solution for SUPI privacy protection in PLMN hosted NPN scenario | Samsung | pCR | [China Telecom] : request clarification  [Samsung] : Provides clarification  [China Telecom] : propose to add an Editor's Note  [Samsung] : Added Editor's note. draft\_S3-241404-r1 is available in draft folder.  [Apple] : propose to revise before approval. as the SID is not supposed to include solutions with UE impact.  [China Telecom] : Reference proposed in the first change has been in the draft v0.1.0  [JHU-APL]: Need for this solution is FFS.  [Samsung]: Provides clarification to JHU  [Samsung] : Removed redundant reference. draft\_S3-241404-r2 is available in drafts folder.  [JHU-APL]: Disagree proposed EN is challenging the approved KI in the TR.  [Samsung]: Added EN. Provides r3.  [ZTE] : Check position. This doc needs clear position from JHU-APL | NOTED |
|  |  | [S3‑241157](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241157.zip) | Clean up for TR 33.757 | ZTE Corporation | pCR |  | to be agreed |
|  |  | [S3‑241161](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241161.zip) | Add some context for clause 5 | ZTE Corporation | pCR | [Nokia] : Requires clarification before acceptable.  [ZTE] : Provide clarification.  [Nokia] : Provides answers and proposes to note.  [Huawei] : Provides answers and proposes to note. | to be noted |
| 5.4 | Study of ACME for Automated Certificate Management in SBA | [S3‑241315](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241315.zip) | Assumption for use of ACME in 3GPP network | Huawei, HiSilicon | pCR | [Cisco]: Proposes clarifications with -r1  [Huawei]: fine with r1  <CC2>  Charles presents -r1  JHU: current solution has automated checking, follow up on email  </CC2>  [JHUAPL]: proposes r2 to clarify certificate revocation profiles in 33.310 | r2 approved |
|  |  | [S3‑241133](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241133.zip) | New Key Issue on supporting all 5G SBA certificate types | Google Inc., Charter Communications, US National Security Agency, Cisco Systems | pCR | [Nokia]: Asks to add one certificate usage related to CCA and provide further elaboration.  <CC2>  Charles presents  </CC2>  [Nokia]: It is OK  [Google]: Provide clarification to Nokia. | approved |
|  |  | [S3‑241149](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241149.zip) | New key issue on certificate revocation | Johns Hopkins University APL, Cisco Systems | pCR | [Nokia]: Requires clarification and review.  [JHUAPL]: Reply to NCSC on proposed change to text  [JHUAPL]: reposting to fix subject line  [JHUAPL]: Reply to Nokia for clarification and review  [JHUAPL]: Proposes clarification with -r1 and add Google to source list  <CC2>  JHU: there is confusion between revision status checking and the actual revocation, so provided clarification on -r1  Huawei: what is difference is not clear.  → further discussion over email  </CC2>  [NCSC]: Comment on automation  [Cisco]: fine with r1  [Nokia]: proposes to clarify further the scope of the Key Issue  [NCSC]: comments on server side revocation messages  [JHUAPL]: provides r2 to update scope and reply to Nokia and NCSC  [NCSC]: No objections. | r2 approved |
|  |  | [S3‑241382](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241382.zip) | Addtional limitation in KI#3 on DNS challenge | Huawei, HiSilicon | pCR | [Nokia]: Requires small review.  [Huawei]: provides clarification.  <CC2>  Huawei: not clear if modification is required.  </CC2> | approved |
|  |  | [S3‑241383](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241383.zip) | new solution using NF FQDN as ACME identifier | Huawei, HiSilicon | pCR | [Nokia]: Requires clarifications on the need of using NF Instance ID as part of the FQDN for identifier.  [Huawei] : provides clarification  <CC2>  no comments  </CC2>  [Cisco]: requires clarification regarding resources hosted at the NF FQDN  [NCSC] : queries need for new certificate profile, fqdn revisions  [Huawei] : responses to comments from NCSC  [Huawei] : responses to Cisco. | approved |
|  |  | [S3‑241384](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241384.zip) | new solution using NF instance ID as ACME identifier | Huawei, HiSilicon | pCR | [Nokia]: Proposes to merge this contribution into -1257 and close this thread.  [Cisco]: Agrees with proposed merge with -1257 as baseline  [Huawei] : provides clarification  <CC2>  Cisco: similar to 1257, some differences, big difference is in challenge token, but until now discussed separately  Huawei: because there are differences, have them treated separately instead of merging  Cisco: will provide feedback so both can be progressed  </CC2>  [Cisco]: provides comments for clarification  [Huawei] : responses to Cisco.  [Huawei] : r1 is available.  [Cisco]: provides comments on responses from Huawei  [Cisco]: requests addition of editor's note in evaluation  [Huawei]: r2 provided with EN requested by Cisco  [Cisco]: r2 is fine | r2 approved |
|  |  | [S3‑241257](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241257.zip) | Solution proposal for ACME challenge validation | Cisco Systems | pCR | [Cisco]: r1 posted adding Google and addressing offline feedback  [Huawei] : provide comments for clarification  [Ericsson] : requests clarification  <CC2>  Cisco: some feedback not yet addressed, reuse initial trust defined in 33.310,  Huawei: comments already in email, as well as E//, can continue discussion in email  </CC2>  [Cisco]: provides r2 addressing comments from Huawei  [Cisco]: provides r2 addressing comments from Ericsson  [Huawei] : provides further comments  [Huawei] : response to NCSC  [Cisco]: provides additional clarifications for comment 3 from Huawei  [Cisco]: provides r3 addressing further comments from Huawei  [Ericsson] : proposal for inserting four EN  <CC4>  -r3  E//: add EN proposal from email  Cisco, EN is already covering that  E//: ok  Huawei: had only one clarification question, should be fine in general  </CC4>  [Cisco]: clarifies previous response to request for clarification  [Ericsson]: R3 OK. No need for EN. Additional proposal for clarification in solution  [Cisco]: asks if existing EN addresses proposal from Ericsson | r3 approved |
|  |  | [S3‑241385](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241385.zip) | new solution for client-side certificate | Huawei, HiSilicon | pCR | [Nokia]: Objection.  [Huawei] : provide clarification  [Nokia]: proposes to note the contribution.  <CC4>  Nokia: provided comments on reflector, this was studied in CMPv2, why does this have to be done in ACME  Huawei: because it involves interaction between two entities that needs to be standardized, and it is only a solution  Cisco: trying to determine if ACME server doesn't really know whether what is the other endpoint, then there is no need for standardization, so is that the case  E//: there is no initial trust mechanism defined, if ACME client is representing multiple NFs, how is demultiplexing done  E//: so add ENs accordingly  Huawei: ok  Nokia: this is complete implementation issue if ACME client is inside or outside NF  CableLabs: not clear why Nokia is disagreeing with this solution  HuaweI: not a valid ground to reject the solution  DCM: ok to document, in case this is selected, then normative work is required  CableLabs: document it and not go into conclusion discussion  Nokia: only introduces an implementation topic, this is only an aspect, can not agree on this solution  Huawei: Nokia is talking about evaluation of solution, KI is how to address NF is not able to be a client, if the solution doesn’t work, it can be noted, otherwise should be documented  </CC4>  [Huawei]: provides clarification.  [Nokia]: maintains the objection. | noted |
|  |  | [S3‑241147](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241147.zip) | New Key Issue on supporting all 5G SBA certificate types | Google Inc. | pCR |  |  |
| 5.5 | Study on enabling a cryptographic algorithm transition to 256-bits | [S3‑241190](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241190.zip) | new kew issue on backward compatibility | CableLabs, Charter Communications | pCR | [Ericsson]: Requires updates before approved  [Nokia]: is providing revision 1, which includes the merging of S3-241116  [Nokia]: proposes to merge this to S3-241190, because technically both describe the same and partly are complementary  [Ericsson]: (Resending with correct subject line) Requires updates before approved  [Nokia]: provides revision 2  [KDDI]: is commenting on revision 2  [Ericsson]: Propose to note  [Nokia]: proposes to keep this document still open  [Qualcomm]: propose to note  [Thales]: asks questions for clarification.  [CableLabs]: provided -r3 and comments.  [Nokia]: provides clarification  [Nokia]: agrees on revision 3  [Xiaomi]: requests clarification. | R3 available  To be noted |
|  |  | [S3‑241276](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241276.zip) | Architecture Assumptions | Nokia, Nokia Shanghai Bell | pCR | [Ericsson]: Requires updates before approved  [Ericsson]: (Resending with corrected subject line) Requires updates before approved  [Deutsche Telekom]: proposes to add network side K storage to the architecture overview.  <CC1>  Stawros presents  CableLabs: proposal to merge  KDDI: proposal to merge all into 1190  CableLabs: merge into key issue?  KDDI: as it is about the mix of 256bit and 128 bit  E//: not good to mix this into KI, merge the other way, 1190 shouldn't be key issue  Huawei: not sure it is required, existing architecture, not required  QC: similar views, this is already in 33.501, doesn't add anything  CableLabs: backward compatibility is an issue and needs to be analyzed, ok with merger  Nokia: merging is a little bt different, this is just writing about the background, even if covered in 33.501, that's why 1286 is there documenting everything, use table to figure out where problems can be, 1276 and 1286 are assumptions, 1190 is partly assumption and partly KI  E//: KI may be too big  KDDI: need to discuss if possible about merger  Chair: maybe capture in annex  Nokia: go to -r1 in 1190, to show how it can be merged, see in top down fashion whether there are any risk vectors that have been missed  Oppo: in 33.501 and 33.401 truncation is a not a security function or a security feature, it just describes how the sessions keys are being used.  </CC1>  [Nokia]: provides revision 1  [KDDI]: propose to note this document.  [Qualcomm]: Propose to note | R1 available  To be noted |
|  |  | [S3‑241286](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241286.zip) | UE States and Transitions | Nokia, Nokia Shanghai Bell | pCR | [Ericsson]: Propose to note  [Ericsson]: (Resending with corrected subject line) Propose to note  [Nokia]: is providing additional feedback  [KDDI]: propose to note this document.  [Qualcomm]: Propose to note | To be noted |
|  |  | [S3‑241116](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241116.zip) | New Key Issue on permanent secret key length (K) | KDDI Corporation, Samsung, Xiaomi | pCR | [Nokia]: proposes to merge this to S3-241190, because technically both describe the same and partly are complementary  [Nokia]: is commenting  [KDDI]: asks for clarification on the comment  [Ericsson]: (Fixing email subject line) Propose to note  [Nokia]: is responding to KDDI request for clarification  [Apple]: kindly request clarification before approval.  [Nokia]: provides response to the clarification request  [KDDI]: provides clarification  [Qualcomm]: Propose to note  [KDDI]: answers to the comments from Ericsson and Qualcomm  [Xiaomi]: provides clarification to Ericsson and Qualcomm.  [Nokia]: requests clarification on the potential security requirements  [KDDI]: provides clarification for requested point.  [Thales]: proposes additional text.  [KDDI]: provides clarification and revised document  [Xiaomi]: request clarification  [Nokia]: request clarification  [NCSC]: ruins Stawros's linear history  [KDDI]: provide clarification  [Nokia]: provides clarification  [Nokia]: provides feedback to the CK and IK usage for AEAD  [Nokia]: agrees on revision 1 | R1 available  To be noted |
|  |  | [S3‑241170](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241170.zip) | New Key Issue on authentication parameters in AKA procedure | ZTE Corporation | pCR | [Nokia]: is commenting  [ZTE]: provide clarification and draft revision  [Nokia]: agrees on revision 1  [Ericsson]: Propose to note (not in scope)  [KDDI]: is commenting  [Qualcomm]: propose to note  [ZTE]: provide clarifications.  [Samsung]: supports this proposal  [Nokia]: is Ok with revision 1  [Thales]: is fine with the proposal in r1.  [ZTE]: Provide R2, including Samsung as a supporting company without any content change. | R2 available  Merge with 1466  To be noted |
|  |  | [S3‑241466](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241466.zip) | New KI on AKA related 256-bit algorithm update | Xiaomi communications | pCR | [Ericsson]: Propose to note (not in scope)  [Samsung]: proposes to merge into S3-241170  [Xiaomi]: provides clarification and request technical discussion.  [ZTE]: proposes to merge into S3-241170  [Xiaomi]: suggest to use 1466 as the discussion baseline  [ZTE]: Request for clarification.  [Thales]: provides comments.  [CMCC]: provides comments.  [Samsung]: requests clarification to CMCC  [CMCC]: clarification to Samsung  [Xiaomi]: provides clarification. | Merge with 1170  To be noted |
|  |  | [S3‑241480](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241480.zip) | KI on key hiearchy | OPPO | pCR | [Nokia]: does not agree, because the backward compatibility aspect is NOT taken into consideration  [Ericsson]: (Correcting subject line) Propose to note  We don't need a KI, Solution or conclusion for this. We can do this in normative phase with minimal effort.  [Qualcomm]: propose to note  [OPPO]: provides feedback and ask for clarification.  [Nokia]: is providing clarification on the truncation function  [Samsung]: requests clarification  [CMCC]: Provide comments | To be noted |
|  |  | [S3‑241117](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241117.zip) | New Key Issue on different cryptographic key lengths in dual connectivity scenarios | KDDI Corporation, CMCC | pCR | [Nokia]: is commenting  [Ericsson]: proposes to note  [Nokia]: proposes to distinguish between key-length and algorithm type  [Qualcomm]: agree with Ericsson comments and proposes to note  [KDDI]: agree to note | To be noted |
|  |  | [S3‑241118](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241118.zip) | New Key Issue on algorithm negotiation on re-establishing RRC connection | KDDI Corporation, CMCC | pCR | [Nokia]: is commenting  [KDDI]: provides clarification  [CMCC] replies to Nokia's Cmt#2.  [Ericsson]: proposes to note  [Qualcomm]: proposes to note  [Nokia]: proposes to note, because it reads like a solution  [KDDI]: agree to note | To be noted |
|  |  | [S3‑241181](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241181.zip) | New key issue on algorithm negotiation for 256-bit algorithms | vivo | pCR | [vivo] : provide r1.  [Ericsson]: proposes to mark the doc as merged and close this email thread | R1 available  To be noted |
|  |  | [S3‑241275](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241275.zip) | Adaptations to AS and NAS Procedures | Nokia, Nokia Shanghai Bell | pCR | [Ericsson]: proposes to merge this contribution into 1310 and close this email thread  [Nokia]: proposes S3-241275 for introduction of KI on AS and NAS procedures  [Ericsson]: prefers 1310-r4 | Merge into 1310 |
|  |  | [S3‑241310](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241310.zip) | key issues on introducing 256-bit algorithm in 5GS | Huawei, HiSilicon | pCR | [Xiaomi] : provides r1. 1467 is merged into 1310  [Samsung] : requests clarification  [vivo] : proposes to add vivo as cosigner in the next revision.  <CC1>  1181, 1390, 1467, 1362 merged  Huawei: need to agree on whether to include AEAD mode, otherwise that text needs to go away  QC: KI seems to state that other KI needs to be found; 33.501 design was to allow new algorithms, need to find where it doesn't work.  Oppo: also 1362 is merged here  E//: AEAD not in scope of the study, introduction of new AEAD algorithms not so practical in 5G, but for 6G might make sense; agree with QC in general, define which steps need to be done to integrate new algorithms  CableLabs: revise KI, current KI is too generic, maybe it#S about conflict between AEAD and policy, if only integrity or confidentiality is required  vivo: three different algorithms are now being standardised in WID, AEAD is already being considered, conclusion not to do this In 5G,  Xiaomi: agree with QC, no KI if using existing mechanisms,  Hiuawei: keep AEAD mode out  E//: for this KI, AEAD must kept out, keep it in separate KI  Chari: is there agreement to enhance to include AEAD in SID  Oppo, cablelabs, Apple, KDDI, Xiamoi,  CableLabs: AEAD should not be excluded from this meeting.  Apple: AEAD is not excluded  QC: not part of the SID, maybe push back the introduction of these algorithms to R20  Huawei: not objecting AEAD mode, but for this meeting keep it out for now, focus on issues not related to AEAD mode  Nokia: not clear from SAGE feedback, how to handle and how to analyze this. Not to delay the introduction.  Apple: discuss based on solid contributions, also on the key issues, still need new KI how to introduce new algorithms for stage 3 work  Nokia: procedures are there, the IEs are missing  Chari: convert this KI as the basic 256 bit introduction  QC: just part of the assumptions, so just assign some code points  </CC1>  [Xiaomi] : provides clarification  [Qualcomm]: proposes a way forward for this document and several others  [Huawei]: provide r2 and way forward.  [Nokia]: needs an overview of which documents were inserted here  [Nokia]: is requesting clarification on the Note yy  [Huawei]: ask for rapporteur's help on the merger list.  [Huawei]: provide clairifcation.  [KDDI]: provides the merger list.  [KDDI]: updates the merger list.  [Ericsson]: supports Qualcomm way forward proposal  [Nokia]: provides deltas between this merger (rev 2) and the original/input documents as given by the merger list  [Thales]: proposes changes to be acceptable.  [Huawei]: provide r3.  [Ericsson]: supports Qualcomm way forward proposal, but also ok with a KI formulation provided in r4.  [Apple]: supports Qualcomm way forward proposal, also fine with r4. Suggest to polish the requirement.  [Qualcomm]: Re-iterate proposal to add text to assumptions or note the contribution  [Huawei]: supports Qualcomm way forward proposal, thus provides r5. Huawei is also fine with r4  [Xiaomi]: provides r6  [Ericsson]: r6 is ok  [Qualcomm]: ok with r6  [vivo]: ok with r6  [KDDI]: propose to note  [Xiaomi]: provides r7.  [Nokia]: requests clarification  [Xiaomi]: provides some inputs.  [Thales]: supports KDDI view. | approved  NOTED |
|  |  | [S3‑241316](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241316.zip) | New Key Issue on different cryptographic key lengths in URLLC scenario | Huawei, HiSilicon | pCR | [KDDI]: proposes to merge S3-241117 and S3-241316  [Apple]: provide comments to 1316 only, 1316 may not need to be merged with 1117.  [Ericsson]: proposes to note  [Nokia]: proposes to merge, because this URLLC is just another use case, and is similar to DC  [Qualcomm]: proposes to note | To be noted |
|  |  | [S3‑241359](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241359.zip) | Add KI on 256 bits algorithms selection in 5G system | OPPO | pCR | [Ericsson]: proposes to mark the doc as merged and close this email thread  [OPPO]: agree to be merged and close this email thread | To be noted |
|  |  | [S3‑241390](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241390.zip) | New key issue on specifying usage of new encryption and integrity protection algorithms in the 5G system | Ericsson | pCR | [Nokia]: is commenting  [Ericsson]: provides clarification  [Ericsson]: 1390 has been merged into 1310 | Merged into 1310 |
|  |  | [S3‑241467](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241467.zip) | New KI on negotiation for NAS and AS related 256-bit algorithms | Xiaomi communications | pCR | [Ericsson]: proposes to mark the doc as merged and close this email thread | Merged into 1310 |
|  |  | [S3‑241394](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241394.zip) | CAT256 - New KI for CAT\_256 on correctly indication | Apple | pCR | [Ericsson]: proposes to mark the doc as merged and close this email thread | To be noted |
|  |  | [S3‑241396](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241396.zip) | CAT256 - New KI for CAT\_256 on Flexibility to adjust the preference on security algorithms | Apple | pCR | [Ericsson]: Propose to note (not needed) | To be noted |
|  |  | [S3‑241171](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241171.zip) | New Key Issue on different length of cryptographic key in EPS and 5GS interworking | ZTE Corporation | pCR | [Ericsson]: Propose to note (not needed)  [Qualcomm]: requires clarification and possibly changes before it can be approved  [Qualcomm]: requires clarification and possibly changes before it can be approved (note: this is a resend of previous comments due to thread splitting) | To be noted |
|  |  | [S3‑241288](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241288.zip) | Introduction of AEAD Algorithm for Air-link Data Protection | Nokia, Nokia Shanghai Bell | pCR | [Ericsson]: Propose to postpone  [Qualcomm]: Propose to note | To be noted |
|  |  | [S3‑241289](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241289.zip) | Introduction of AEAD Algorithm and the Order of Data Protection | Nokia, Nokia Shanghai Bell | pCR | [Ericsson]: Propose to postpone  [Qualcomm]: Propose to note | To be noted |
|  |  | [S3‑241291](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241291.zip) | Discussion on AEAD Properties | Nokia, Nokia Shanghai Bell | discussion | [Ericsson]: Propose to note (since this is for discussion) | To be noted |
|  |  | [S3‑241172](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241172.zip) | New Solution on different length of cryptographic key in EPS and 5GS interworking | ZTE Corporation | pCR | [Ericsson]: Propose to note (not needed)  [Qualcomm]: Propose to note | To be noted |
|  |  | [S3‑241362](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241362.zip) | Add sol on 256 bits algorithm selection in 5G system | OPPO | pCR | [Ericsson]: proposes to merge this contribution into 1391  [OPPO]: agree to be merged into 1391 | Merge into 1391 |
|  |  | [S3‑241391](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241391.zip) | New solution for specifying usage of new encryption and integrity protection algorithms in the 5G system | Ericsson | pCR | [Huawei]: propose to postpone. | NOTED |
|  |  | [S3‑241395](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241395.zip) | CAT256 - New solution for CAT\_256 on correctly indication | Apple | pCR | [Ericsson]: proposes to merge this contribution into 1391 | Merge into 1391 |
|  |  | [S3‑241397](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241397.zip) | CAT256 - New solution for CAT\_256 on Flexibility to adjust the preference on security algorithms | Apple | pCR | [Ericsson]: Propose to note (not needed)  [Qualcomm]: Propose to note | To be noted |
|  |  | [S3‑241481](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241481.zip) | Solution on Key Hierarchy | OPPO | pCR | [Nokia]: does not agree, because the backward compatibility aspect is NOT taken into consideration  [Ericsson]: (Correcting subject line) Propose to note  We don't need a KI, Solution or conclusion for this. We can do this in normative phase with minimal effort.  [Qualcomm]: propose to note | To be noted |
|  |  | [S3‑241377](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241377.zip) | Conclusion on 256 bits algorithms selection in 5G system KI | OPPO | pCR | [Ericsson]: proposes to postpone conclusion discussions to the next meeting, so propose to note for this meeting  [OPPO]: agree to be noted | To be noted |
|  |  | [S3‑241482](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241482.zip) | Conclusion on Key Hierarchy KI | OPPO | pCR | [Nokia]: does not agree, because the backward compatibility aspect is NOT taken into consideration  [Ericsson]: (Correcting subject line) Propose to note  We don't need a KI, Solution or conclusion for this. We can do this in normative phase with minimal effort.  [Qualcomm]: propose to note | To be noted |
| 5.6 | Study on mitigations against bidding down attacks | [S3‑241344](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241344.zip) | New key issue on guidance for legacy devices | Huawei, HiSilicon | other | [Deutsche Telekom] : modification proposal to avoid limitation  [Qualcomm]: asks more clarification on the scope and intention of this key issue  [Apple]: kindly request the clarification of the key issue.  [vivo]: asks clarification before approval.  [Ericsson]: proposes to add security requirement  [Xiaomi]: provides some comments  <CC2>  Apple: see comments in email, if it is guidance, it is not KI  DT: it is not GERAN and UTRAN, but "or"  vivo: agree with Apple, maybe change it to Annex  Lenovo: maybe make this a separate clause  Huawei: could be a possibility, but want to refrain from changing the skeleton now.  </CC2>  [Huawei]: provides clarifications  [Apple]: kindly request revisions before approval.  [Huawei]: provides r2 addressing the comments  [Deutsche Telekom] : fine with r2  [Qualcomm]: is fine with r2.  [Apple] : fine with r2  [vivo]: is fine with r2.  [Ericsson]: is fine with r2  [Lenovo]: Asks minor revision over r2.  [Huawei]: provides r3 replacing 'proposal' by 'approach'  [Lenovo]: r3 is fine. | R3 to be approved |
|  |  | [S3‑241398](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241398.zip) | MiBiDA - New solution for mitigating bidding down attack | Apple | pCR |  | R2 to be approved |
|  |  | [S3‑241405](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241405.zip) | Solution to prevent GERAN/UTRAN bidding down attack | Samsung | pCR | [Huawei]: asks for clarifications especially on the use of UICC and additions to the evaluation  [Qualcomm]: requires clarifications and revision before approval  [ZTE]: ask for clarifications.  [Samsung]: Provides clarification to Huawei  [Samsung]: Provides clarification to Qualcomm  [Samsung]: Provides clarification to ZTE  [Huawei]: asks for clarifications on these two methods in a revision  [Huawei]: is fine with r1.  [Deutsche Telekom]: proposes additional text to the solution  [Samsung]: Provides r2 based on text proposal from Deutsche Telekom  [Google] - request to fix grammar and clarify solution  [Samsung]: Provides clarification to Google  [Qualcomm]: proposes an EN before approval  [Samsung]: Request clarification on the proposed EN from Qualcomm  [Deutsche Telekom]: thanks the r2, proposes changes to the UE-action text in solution 'Y'  [Qualcomm]: provides a clarification  [Samsung]: Provides r3 based on the proposed text from Google, Deutsche Telekom & Qualcomm  [Deutsche Telekom]: fine with r3  [Google]: fine with r3  [Qualcomm]: is fine with r3 | R3 to be approved |
|  |  | [S3‑241439](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241439.zip) | New Solution for Key Issue 1 | Nokia | pCR |  | R4 to be approved |
|  |  | [S3‑241469](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241469.zip) | New solution for mitigating GERAN UTRAN bidding down attack | Xiaomi communications | pCR |  | R3 to be approved |
|  |  | [S3‑241483](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241483.zip) | Solution to KI#1 on Bidding down mitigation | Lenovo | pCR | <CC2>  Sheeba presents  Huawei: reasonable explanation  Huawei, rapporteur: document all solutions with limitation in the evaluation  CableLabs: merge the similar solutions  Huawei: no merger discussed so far.  E//: is there a concrete timeline, could use May meeting for additional feedback  Huawei: set up extra conf call  vivo: looks like solutiosn are converged, three types of solutions, send to CT or RAN to check the dependencies  Lenovo: continue to align on email  </CC2> | R5 to be approved |
|  |  | [S3‑241182](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241182.zip) | New solution on Reuse SoR procedure for bidding down attack mitigation | vivo | pCR |  | R3 to be approved |
|  |  | [S3‑241173](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241173.zip) | New Solution for KI#1 | ZTE Corporation | pCR | [Deutsche Telekom] : requests further clarification, since solution description seems incomplete  [ZTE] : provide feedback to Deutsche Telekom.  [Huawei]: asks for clarifications and addition to evaluation  [ZTE] : provide feedback to Huawei.  [Apple] : provide comments and kindly ask for revision before approval.  [ZTE]: provide R1 {<https://www.3gpp.org/ftp/tsg_sa/WG3_Security/TSGS3_115AdHoc-e/Inbox/Drafts/draft_S3-241173_r1%20New%20Solution%20for%20KI%231.docx>}  <CC2>  DT: not to have this allow list mandated, because later there is a check.  ZTE: suggest to provide an allow list so UE can make a selection  Huawei: thank you for clarification  </CC2>  [Deutsche Telekom] : thanks the revision, still asks further clarification.  [Apple] : Kindly request further revision.  [Deutsche Telekom] : Provide clarification and R2 {https://www.3gpp.org/ftp/TSG\_SA/WG3\_Security/TSGS3\_115AdHoc-e/Inbox/Drafts/draft\_S3-241173\_r2%20New%20Solution%20for%20KI%231.docx} .  [ZTE] : Provide clarification and R2 {https://www.3gpp.org/ftp/TSG\_SA/WG3\_Security/TSGS3\_115AdHoc-e/Inbox/Drafts/draft\_S3-241173\_r2%20New%20Solution%20for%20KI%231.docx} .  [Deutsche Telekom] : thanks the revision, fine with r2  [ZTE]: provide R3 {https://www.3gpp.org/ftp/TSG\_SA/WG3\_Security/TSGS3\_115AdHoc-e/Inbox/Drafts/draft\_S3-241173\_r3%20New%20Solution%20for%20KI%231.docx}  [Huawei]: in general fine with r3  [ZTE]: Provide R4 {https://www.3gpp.org/ftp/tsg\_sa/WG3\_Security/TSGS3\_115AdHoc-e/Inbox/Drafts/draft\_S3-241173\_r4%20New%20Solution%20for%20KI%231.docx} .  [ZTE]: provide r6 | R6 to be approved |
|  |  | [S3‑241338](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241338.zip) | Solution for configured operator indication | Huawei, HiSilicon | pCR | [Lenovo]: Asks for clarifications and revisions  [Qualcomm] : asks clarifications before approval  [vivo] : asks clarifications before approval  [Huawei]: provides clarifications inline.  [Deutsche Telekom] : this solution should be noted  [Huawei]: agrees with the observation and provides an alternative way forward  [Deutsche Telekom] : agrees to the proposed alternative way forward  [Huawei]: provides r1 addressing the comments  [Deutsche Telekom] : thanks the evaluation update - fine with r1  [Lenovo] : r1 is fine | **R1 to be approved** |
|  |  | [S3‑241342](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241342.zip) | Solution for registration-based provisioning of list of decommissioned systems | Huawei, HiSilicon | pCR | [Lenovo]: Asks for clarifications and revisions  [Qualcomm] : asks clarifications and revision before approval  [Huawei]: provides replies inline  [Huawei]: provides r1 addressing the comments  [Lenovo]: Asks minor revisions to r1.  [Huawei]: provides r3 adding clarifications on the LDAT parameter  [Lenovo]: r3 is fine. | R3 to be approved |
|  |  | [S3‑241343](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241343.zip) | Solution for UPU-based provisioning of list of decommissioned systems | Huawei, HiSilicon | pCR | [Lenovo]: Asks for clarifications and revisions  [Qualcomm] : asks clarifications and revision before approval  [ZTE]: ask clarifications.  [Huawei]: provides replies inline.  [Huawei]: provides r1 addressing the comments  [Huawei]: provides r2 adding a statement in evaluation on UPU support limitation.  [Lenovo]: provides clarification and asks revision. Also r2 added so many ENs which are in fact not needed.  [Qualcomm] : asks a revision before approval  [Huawei]: provides r3 addressing the additional comments  [Lenovo]: r3 is fine. Lenovo cosigns this document.  [Huawei]: provides r4 adding Lenovo to the source | R4 approved. |
| 5.7 | Study on security Aspects of 5G Satellite Access Phase 2 | [S3‑241307](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241307.zip) | Addressing the editor's note on the security assumption | Huawei, HiSilicon, Interdigital, Ericsson, Nokia, Nokia Shanghai Bell, Intel, CATT, Xiaomi, China Telecom | pCR | [Thales]: disagrees and proposes two changes  [Huawei]: provide clarification.  [Thales]: provides answer  [Huawei]: provides feedback.  [Huawei]: r1 is provided accordingly.  [Thales]: provides comment  [ChinaTelecom]: fine with r1, and request clarification to Mirelle  [Huawei]: share the same view as china telecom. | Noted |
|  |  | [S3‑241268](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241268.zip) | Update KI#1 of TR 33.700-29 | China Telecom Corporation Ltd. | pCR | [Samsung] : 1268 is merged into 1408. | Merged into S3-241408 |
|  |  | [S3‑241308](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241308.zip) | Addressing the editor's note in the key issue on store and forward Satellite Operation | Huawei, HiSilicon, Interdigital, Ericsson, Nokia, Nokia Shanghai Bell, Intel, Xiaomi, China Telecom | pCR | [Thales]: proposes a change.  [Huawei]: r1 is provided with editorial change proposed by Thales.  [Thales]: is fine with r1. | r1 is approved |
|  |  | [S3‑241325](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241325.zip) | Update to the Store and forward KI | Huawei, HiSilicon | pCR |  | Approved |
|  |  | [S3‑241352](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241352.zip) | pCR to TR33.700-29 Update key issue#1 | CATT | pCR |  | Approved |
|  |  | [S3‑241162](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241162.zip) | New Solution for KI#1 | ZTE Corporation | pCR | [Samsung]: requests clarification  [ZTE] : Provide clarification.  [Huawei, HiSilicon]: requests clarification.  [ZTE] : Provide R1.  [Philips] requests clarifications  [Philips]: provide ENs  [Huawei, HiSilicon]: replies.  [ZTE] : Provide R2.  [Huawei, HiSilicon]: fine with r2.  [Samsung]: is fine with r2. | r2 is approved |
|  |  | [S3‑241207](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241207.zip) | Secure Initial Registration for S&F Satellite Operation | Intel | pCR | [Nokia]: Asks for clarifications.  <CC2>  Nokia: step 2 is an unprotected NAS reject, with a long timer  Huawei: second round of attach may be a different satellite.  </CC2>  [Intel] Responds to Nokia and asks for clarification  [Samsung]: proposes Editor's Note  [Huawei]: provide question.  [Intel]: Uploaded r1 with Nokia, HW, and Samsung comment  [Ericsson]: requests clarification  <CC4>  Abhijeet presents -r1  no comments  </CC4>  [Intel]: Provides clarification to Ericsson  [Samsung]: is fine with r1. | r1 is approved |
|  |  | [S3‑241222](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241222.zip) | Solution on the authorization mechanism for uplink NAS message in S&F Satellite Operation | Huawei, HiSilicon | pCR | [Nokia]: Request for clarification.  <CC2>  Chair: has there been a conclusion in RAN2?  Huawei: for timer issue, there is a discussion in SA2, and then in CT groups.  IDCC: please clarify if DoS attack is possible before step 1, so there will be a problem without step 1 protection,  Huawei: for first initial message, this can be left for implementation, continue discussion by email  </CC2>  [Huawei]: provide feedback.  [Philips]: Asks for clarifications.  [Nokia]: Yes, EN is fine as way forward.  [Huawei]: provide clarification.  [Philips]: provide EN based on replies.  [Interdigital]: provides comments that need clarification before approval and possible resolution via adding an EN.  [Intel]: Requires Clarification and EN  [Huawei]: provide r1 with additional editor's notes.  [Ericsson]: Requests clarification and EN  [Huawei]: provides r2. | r2 is approved |
|  |  | [S3‑241228](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241228.zip) | New solution of onboard UDM | China Mobile | pCR | [Samsung]: requests clarification  [Huawei, HiSilicon]: requests clarification.  [CMCC]: provides clarification and r1.  [Ericsson]: requests clarification, and provides two EN  [Huawei, HiSilicon]: replies to CMCC.  [CMCC]: provides clarification to Ericsson and Huawei, provides r3.  [Huawei, HiSilicon]: fine with r3.  [Samsung]: is fine with r3. | r3 is approved |
|  |  | [S3‑241295](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241295.zip) | Solution for Authentication for Store and Forward Satellite Operation | OPPO Beijing | pCR | [Samsung]: requests clarification  [OPPO]: provides clarification.  [Samsung]: is fine with the EN  [OPPO]: provides r1 with an Editor's note.  [Huawei, HiSilicon]: requests clarification.  [OPPO]: provides clarification and r2 version.  [Huawei, HiSilicon]: provides reply inline.  [OPPO]: provides clarification and r3 version.  [Huawei, HiSilicon]: can accept r3.  [Samsung]: is fine with r3. | r3 is approved |
|  |  | [S3‑241463](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241463.zip) | New solution on attach procedure with eNB on board the satellite in TR 33.700-29 | Beijing Xiaomi Mobile Software | pCR | [Nokia]: Asks for clarifications.  [Samsung]: requests clarification  [Xiaomi]: Provides clarification  [Samsung]: is fine with NOTE  [Xiaomi]: provides response  [Nokia]: Request for updates.  [Xiaomi]: provides r1  [Samsung]: is fine with r1. | r1 is approved |
|  |  | [S3‑241464](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241464.zip) | New solution on authorization method during S&F MO transmission in TR 33.700-29 | Beijing Xiaomi Mobile Software | pCR | [Nokia]: Requests clarifications.  [Xiaomi]: provides clarification  <CC4>  no comments>  </CC4>  [Xiaomi]: provides r1 | r1 is approved |
|  |  | [S3‑241465](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241465.zip) | New solution on attach procedure with MME on board the satellite in TR 33.700-29 | Beijing Xiaomi Mobile Software | pCR | [Samsung]: requests clarification  [Xiaomi]: provides response  [Samsung]: is fine with NOTE  [Samsung]: provides r1  [Samsung]: is fine with r1. | r1 is approved |
|  |  | [S3‑241485](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241485.zip) | New solution for Key Issue #1 | THALES | pCR | [Nokia]: Request for clarification.  [JHU-APL]: Add EN regarding optimization demonstration.  [Thales]: provides answers and r1.  [Thales]: provides link to r1.  [Nokia]: Fine with r1.  <CC4>  no comments on -r1  </CC4>  [JHU-APL]: Accepts r1.  [Huawei]: provide comment. | r2 is approved |
|  |  | [S3‑241486](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241486.zip) | New solution based on IOPS for Key Issue #1 | THALES | pCR | [Thales]: provides r1.  [Samsung]: proposes Editor's Notes  [Huawei, HiSilicon]: requests clarification.  [JHU-APL]: Add EN regarding performance impacts.  [Thales]: provides answers and r2.  [JHU-APL]: Accept r2.  [Huawei, HiSilicon]: replies to Thales.  [Thales]: provides r3.  [Huawei, HiSilicon]: fine with r3.  [Samsung]: is fine with r3. | r3 is approved |
|  |  | [S3‑241488](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241488.zip) | Solution on store and forward Satellite Operation | Lenovo | pCR | [Samsung]: requests clarification  [Lenovo]: provides clarification and rev1  [Lenovo]: provides rev2  [Samsung]: is fine with r2. | r2 is approved |
|  |  | [S3‑241309](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241309.zip) | solution on the security protection for store and forward Satellite Operation | Huawei, HiSilicon | pCR | [Samsung]: provides comment  [Huawei]: provides feedback.  [Samsung]: is fine with the NOTE  [Huawei]: provides r1 with an additional note.  <CC2>  IDCC: stored with priority is hard to verify, so it is like a deployment option.  Huawei: add a Note, this solution is a part that will coordinate with other solutions. Revision exists already → email  </CC2>  [Xiaomi]: provides comments.  [Huawei]: provide feedback.  [Philips] Asks for clarifications.  [Huawei]: provide clarification.  [Philips] requests further clarification.  [Philips] Provides further feedback.  [Huawei]: provide r2.  [Philips] provide further feedback.  [Philips] Disagrees and asks for clarifications and EN addition.  [Huawei]: r3 is provided with EN from Phillips  [Philips] Fine with r3.  [Samsung]: is fine with r3. | r3 is approved |
|  |  | [S3‑241348](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241348.zip) | pCR to TR33.700-29 New solution UE Attach or Registration method for S&F operation | CATT | pCR | [JHU-APL]: Propose to add EN for lifecycle management of authentication token.  [CATT]: Provide r1 to address the comments.  [JHU-APL]: -r1 addresses our comments. | r1 is approved |
|  |  | [S3‑241350](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241350.zip) | pCR to TR33.700-29 New solution UE context management for S&F operation | CATT | pCR | [JHU-APL]: Propose to add clarification for MME/AMF relocation.  [CATT]: Provide r1 to address the comments.  [JHU-APL]: -r1 addresses our comments.  [Ericsson]: requests revision and clarification  [CATT]: Provide r2 to address the comments. | r2 is approved |
|  |  | [S3‑241406](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241406.zip) | Solution for optimization of authentication procedure in S&F operation | Samsung | pCR | [Nokia]: Request for clarification.  [Samsung]: Provides clarification  [OPPO]: Provides clarification  <CC4>  Samsung: if ed note is required, please provide  </CC4>  [Nokia]: Provides EN proposal as way forward.  [Samsung]: Provides r1 including the EN proposed by Nokia | r1 is approved |
|  |  | [S3‑241407](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241407.zip) | New solution on preventing DoS attacks in S&F operation | Samsung | pCR | [Intel]: Need clarification and Editor's notes before approval  [Samsung]: provides r1.  [Intel]: Requires update before approval  [Samsung]: provides clarification  <CC4>  Intel: not agreeing on r1 or r2, add editors note: this doesn't solve DoS  </CC4>  [Samsung]: provides r3  [intel]: fine with r3 | r3 is approved |
|  |  | [S3‑241433](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241433.zip) | IOPs based solution for S&F between the UE and satellite | Qualcomm Incorporated | pCR | [Samsung]: proposes Editor's Notes  [JHU-APL]: Add EN regarding performance impacts.  [Qualcomm]: provides r1 including the requested editor's note  [Samsung]: is fine with r1. | r1 is approved |
|  |  | [S3‑241440](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241440.zip) | New Solution : Primary authentication and NAS security context establishment during store-and-forward operations | Nokia | pCR | [Intel]: requests clarification and updates  [Nokia]: Provides clarification and r1.  [Samsung]: requests clarification  [Nokia]: provides r2 {https://www.3gpp.org/ftp/tsg\_sa/WG3\_Security/TSGS3\_115AdHoc-e/Inbox/Drafts/draft\_S3-241440\_New\_Solution\_Store\_and\_forward\_authentication-r2.doc} .  [Intel]: r2 {https://www.3gpp.org/ftp/tsg\_sa/WG3\_Security/TSGS3\_115AdHoc-e/Inbox/Drafts/draft\_S3-241440\_New\_Solution\_Store\_and\_forward\_authentication-r2.doc} is fine  [Samsung]: is fine with r2. | r2 is approved |
|  |  | [S3‑241408](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241408.zip) | Key issue on privacy attacks in S&F operatio | Samsung | pCR | [Samsung] : S3-241268 is merged into S3-241408. draft\_S3-241408-r1 is available in draft folder.  [Nokia] : Fine with r1.  [Philips] : provides feedback.  [Samsung] : Provides draft\_S3-241408-r2 based on feedback from Philips.  [vivio]: is ok with r2, please add vivo as cosigner.  [Huawei]: provide comments.  [Nokia]: Nokia is fine with r2, and would like to co-sign.  [Samsung]: Provides clarification to Huawei  [ChinaTelecom]: Provides comments to r2.  [Samsung]: Provides clarification to China Telecom  [ChinaTelecom]: replys to Samsung  [Samsung]: Provides r3 adding the NOTE suggested by China Telecom  [vivio]: is ok with r3.  [Huawei]: provides questions.  [Nokia]: Fine with r3.  [Samsung]: Provides clarification to Huawei  [Huawei]: not convinced with the clarification, but would like to move forwards with EN.  [Samsung]: provides r4 adding EN suggested by Huawei  [Philips] Provides feedback w.r.t EN.  [ChinaTelecom] Provides r5 to address Philips's concern.  [Huawei]: fine with r5.  [Samsung]: Fine with r5.  [Philips] Fine with r5. | r5 is approved |
|  |  | [S3‑241441](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241441.zip) | Key issue on security and privacy aspects of emergency reporting during S&F operations | Nokia | pCR | [Nokia]: provides clarification.  [Qualcomm]: Propose to note the contribution  [Nokia]: Request for clarification.  [Interdigital]: Agrees with NOK and reemphasizes the need to include Emergency Case. | Noted |
|  |  | [S3‑241259](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241259.zip) | Key issue on Security for UE-Satellite-UE communication | China Telecom Corporation Ltd. | pCR | [Philips]: Proposes to merge S3-241259 with S3-241444 (as baseline).  [China Telecom]: fine with merging plan  [Philips] 241444-r1 merged proposal uploaded.  [China Telecom] ask for clarification.  [Philips] : provides clarification.  [China Telecom] fine with r1.  [China Telecom]: propose to note. | Noted |
|  |  | [S3‑241443](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241443.zip) | New KI : Privacy aspects of UE-satellite-UE communication | Nokia, Philips International B.V., Lenovo, InterDigital | pCR | [Nokia]: propose to note. | Noted |
|  |  | [S3‑241444](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241444.zip) | New KI - UE-satellite-UE communication security | Philips International B.V., Nokia, Lenovo, InterDigital | pCR |  | Noted |
|  |  | [S3‑241489](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241489.zip) | Solution on UE-satellite-UE communication security | Lenovo | pCR | [Lenovo]: provides revision r1  [Huawei]: propose to postpone.  [Qualcomm]: propose to postpone. | Noted |
|  |  | [S3‑241183](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241183.zip) | New solution on mitigation of privacy issues of interim GUTI | vivo | pCR | [Nokia]: Propose to note for this meeting.  [vivo]: fine to note the contribution in this meeting. | Noted |
| ‍ |  | S3-241496 | LS to SA2, RAN2, and RAN3 on selected satellite architecture for Store and Forward | InterDigital | LS-out | <CC2>  Rakshesh presents -r1  Huawei: maybe RAN3 can be put into CC  IDCC: also ok.  Huawei: number is dynamic, so can be removed  IDCC: showing that this is more than 2, will add a date, is 20 out of 42  Chair: what are we asking?  IDCC: need to pare down solutions, prefer to have conclusion, but that would only happen by May, if not September  CMCC: SA3 should influence SA2 when choosing, based on security  CATT: agree with CMCC, many solutions, but three types,  Huawei: Security may impact the choice of architecture, and there will be a LS from SA2 on this  Thales:  DCM: is it realistic that SA3 has made a decision for an architecture, so maybe give some feedback on the three types of solutions based on impact of security, not clear what exactly needs to be ansewered  Nokia: have a discussion about pros and cons of each kind of architecture  IDCC: purpose is to tell them to conclude on an architecture  Oppo: next SA2 is after our meeting, so reply is in August at earliest,.  Chair: need to ask specific questions  Thales, SA2 rapporteur (on chat): plan to conclude in Jeju.  </CC2>  [Ericsson]: Proposal to copy SA3-LI  [Nokia]: Agree with Ericsson to copy to SA3-LI.  [Interdigital]: Uploads R2 to the Drafts folder  [Ericsson]: OK r2  [Nokia]: Fine with r2 | R2 approved |
| 5.8 | Study on security for mobility over non-3GPP access to avoid full primary authentication | [S3‑241415](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241415.zip) | Update on KI#1 | Samsung | pCR | [Nokia] : ask for clarification and propose to enhance the proposal.  [Samsung]: provides r1  [Huawei]: further clarification is needed before approval.  [Samsung]: provides clarification and r2  [Huawei]: propose to note. | noted |
|  |  | [S3‑241416](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241416.zip) | Update on KI#2 | Samsung | pCR | [Nokia] : ask for clarification and propose to enhance the proposal.  [Samsung]: provides r1  [Samsung]: provides r2  [Huawei]: propose to a new revision.  [Samsung]: provides r3  [Huawei]: we are fine with r3. | R3 approved |
|  |  | [S3‑241417](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241417.zip) | Update on KI#3 | Samsung | pCR | [Nokia] : ask for clarification and propose to enhance the proposal.  [Samsung]: provides r1  [Samsung]: provides r2  [Huawei]: propose to note. | noted |
|  |  | [S3‑241418](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241418.zip) | Update on KI#4 | Samsung | pCR | [Nokia] : ask for clarification and propose to enhance the proposal.  [Samsung]: provides r1  [Samsung]: provides r2  [Huawei]: propose to note. | noted |
|  |  | [S3‑241193](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241193.zip) | Discussion paper on TNAP Mobility solutions | Nokia | discussion | <CC2>  Saurabh presents  Lenovo: give priority to option 2, but can live with option 1  CableLabs: ok with option 1, why non-IEEE solutions  Lenovo: because it can work with all technologies, but can live with option 1  QC: The IEEE protocols are the key ones, as there mobility is happening, in plugged in solutions there is no big delay  CableLabs: agree with QC.  Lenovo: don't want to restrict the already defined scope of SA2  </CC2>  [Nokia]: Propose r1 where we can go vote on these options.  [Ericsson]: Propose to add a third option for the vote for completeness  [Nokia]: asking clarification before preparing the draft  [CableLabs]: providing comments and suggestions on options.  [Nokia]: provide clarification and clarifying the at it will be a working agreement to conclude our study.  [Lenovo]: Provides clarifications.  [Ericsson]: Options proposed by Nokia are OK, endorsement of document needs discussion  [Nokia]: providing r2 with 3 agreed options for workable agreement or way forward  <CC4>  -r2  QC: this will only be indicative, not a working agreement, as there is no tdoc to be approved, NSWO is only for wireless LAN, don't make this too hard and fast decision; it's not a balance  Chair: this is about scope of the work itself.  CableLabs: prioritize, FastBSS conclude in May, others can be later  Nokia: ok with that, so normative work can be started  Chair: ok to do two steps?  Cablelabs: document this?  Chair: remove other options  E//: sounds like multiple solutions, even for wifi  DCM: update sentence  Lenovo: sentence not correct  CableLabs: remove all UE connected to AP  E//: so option 1 supports two kinds of solutions  QC: so if fastBSS is not concluded in May, then no fastBSS solution  Chair: no, this is best hope to conclude in May  CableLabs: allow to bring WID in May  Nokia: need clarity on other solution, do we agree other solutions are allowed?  Chair: it is FFS  CableLabs: no closing the door, but need to look at first  Lenovo: be more specific and clear, fastBSS is for 802.11, add in the end of fast BSS.  Chair: this is our working assumption  to be endorsed, revise 1193 with agreement and the revised document to be endorsed.  </CC4>  [Nokia]: providing r3 with the agreed text and also change the ' Document for: endorsement' | R3 endorsed |
|  |  | [S3‑241145](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241145.zip) | Discussion Paper on UE non-3GPP access Security re-establishment Considerations | Lenovo | pCR | [Ericsson] : Propose to note  <CC2>  Sheeba presents  CableLabs: in general agree, but if there is no conclusion in this meeting, clarify in May meeting, procedures to be reused  QC: TNAN not only contains two entities, but more entities can be contained that are out of scope, so the key holder can be a different entity  Lenovo: in figure below, the third entity is the root key holder, but IEEE specification says this interface is outside of scope,  cableLabs: in IEEE it is not well defined, agree with QC  Nokia: both discussion papers show same issue, agree here to limit our solutions  Chair: so have one baseline?  Nokia: have option 1 as baseline  Chair: can we use option 1 as baseline?  Charter: there are also category 1 and 2 in option 1. Can also the non IEEE solution be chosen  Nokia: both kind of solutions can be chosen  Charter: also non- fast BSS solution can be chosen?  Nokia: yes  QC: just go for IEEE protocols, just extra complexity, so no benefit in cat2 solutions  Chair: is Option 2 in SA2 architecture  Nokia: 6 solutions are on the table, are both kind of solutions required  CableLabs: calling it non-IEEE protocol is confusing, don't want a company prorietary protocol, so either IETF or IEEE based.  Chair: formulate these options, show of hands on Thursday.  </CC2> | noted |
|  |  | [S3‑241430](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241430.zip) | Editorial corrections to solution #3 | Qualcomm Incorporated | pCR |  | approved |
|  |  | [S3‑241196](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241196.zip) | solution for N5CW device | Nokia | pCR | [Samsung]: requests clarification  [Ericsson]: Requires clarification  [Lenovo]: Co-signs and support this document.  [Nokia]: Provide clarification to Ericsson and Samsung  [Ericsson]: Clarification OK  [Charter]: Would like to co-signs this document.  [Samsung]: requests further clarification  [Nokia]: providing clarification and asking for support.  [Samsung] co-signs and supports this contribution  [Nokia]: providing r1 where I have included Lenovo, Charter, Samsung as a supporting company without any content change. | R1 approved |
|  |  | [S3‑241146](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241146.zip) | EAP-5G message alignment with TS 33.501 for Solution 1 and 2 | Lenovo | pCR |  | approved |
|  |  | [S3‑241194](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241194.zip) | update on solution 1 | Nokia | pCR |  | approved |
|  |  | [S3‑241356](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241356.zip) | New solution for KI#3 | LG Electronics | pCR | [Ericsson] : Propose to note  [Nokia] : ask for clarification.  [LGE] : provides clarification.  [Nokia] : propose a way forward.  [LGE] : provides r1 with EN.  [Ericsson] : Proposed to note  [LGE] : provides r2. | noted |
|  |  | [S3‑241420](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241420.zip) | New solution on N5CW device mobility solution with Nonce | Samsung | pCR | [Ericsson]: Propose to note  [Samsung]: requests Ericsson to provide clear reason for the objection  [Huawei]: we don't like to impact AMF. The AUSF either.  [Samsung]: provides r1  [Ericsson]: r1 ok | R1 approved |
|  |  | [S3‑241144](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241144.zip) | Updates to Solution 4 | Lenovo | pCR | [Huawei]: Revision is needed before approval  [Lenovo]: Provides clarifications.  Also r1 is provided.  [Huawei]: fine with r1 | R1 approved |
|  |  | [S3‑241143](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241143.zip) | Solution for FBSS Adaptations to align with 5G architecture | Lenovo | pCR | [Ericsson] : Propose to note or revise r1  [Ericsson] : Propose to note or revise r2  [Huawei] : revise r2 needs to be revised before approval.  [Lenovo] : Provides clarifications.  Comment is not clear, asks clarity.  [Huawei] : reply to Lenovo and ask for r3  [Lenovo] : Provided r3 and provides clarification to address Huawei comments.  Even though r3 retains all Ericsson's changes, as an author of this document I still look forward to understand the EN added by Markus. As better understanding of the EN can help us to provide a suitable clarification while resolving this EN. A clarification from Markus would be appreciated.  [Lenovo] : r3 is available, kindly check.  [CableLabs] : Provided comments.  [Huawei] : fine with r3  [Lenovo] : provides clarification to cable labs.  [CableLabs] : r3 is fine  [Ericsson] : r3 is fine | R3 approved |
|  |  | [S3‑241490](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241490.zip) | Mobility of N5CW devices | Lenovo | pCR | [Nokia] : ask for clarification.  [Lenovo] : provides clarification.  [Nokia] : propose to add EN.  [Lenovo] : provides revision with requested ENs from Nokia.  [Samsung]: requests clarification  [Lenovo] : provides clarification to Samsung and a revision rev2 accordingly  [Samsung]: is fine with r2  [Nokia]: fine with r2 | R2 approved |
|  |  | [S3‑241357](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241357.zip) | New solution for KI#2 | LG Electronics | pCR | [Ericsson] : Propose to note  [Nokia] : ask for clarification and provide reply to E//  [LGE] : provides clarification to Ericsson and Nokia.  [Nokia] : fine with the explanation  [LGE] : provides r1 with EN.  [Ericsson] : Proposed to note  [LGE] : provides r2. | noted |
|  |  | [S3‑241192](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241192.zip) | solution for AUN3 device | Nokia | pCR | [Ericsson]: Propose to note  [Nokia]: ask for clarification and provide justification.  [Huawei]: we don't like to impact AMF. The AUSF either. | noted. |
|  |  | [S3‑241336](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241336.zip) | Update Taks 2 in assumption clause | Huawei, HiSilicon | pCR |  | approved |
|  |  | [S3‑241337](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241337.zip) | Update assumption for NSWOF case by refering to the clasue in 33.501 | Huawei, HiSilicon | pCR |  | approved |
|  |  | [S3‑241419](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241419.zip) | New solution on AUN3 device mobility solution with Nonce | Samsung | pCR | [Ericsson]: Propose to note  [Samsung]: requests Ericsson to provide clear reason for the objection  [Huawei]: we don't like to impact AMF. The AUSF either.  [Samsung]: provides clarification to Huawei  [Samsung]: provides r1  [Ericsson]: r1 ok | R1 approved |
|  |  | [S3‑241148](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241148.zip) | Solution for KI#4 UE authentication while connecting to a new WLAN AP through the same NSWOF | Charter Communications, Inc | pCR | [Nokia] : ask for clarification.  [Ericsson]: Propose to note  [Charter] : Provides response for Nokia's clarification question  [Charter]: Charter responds to Ericsson  [CableLabs]: asked Ericsson to reconsider objection.  [Ericsson]: Responds to Cablelabs and Charter  [Charter]: Responds to Ericsson and provides r1  [Ericsson]: r1 ok | R1approved |
|  |  | [S3‑241197](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241197.zip) | solution for NSWO | Nokia | pCR | [Huawei]: Revision is needed before approval  [Nokia]: provide clarification  [Huawei]: provide capture the clarification in a new version  [Nokia]: provide clarification and ask question.  [Huawei]: provide clarification.  [Nokia]: provide r1 with clarification.  [Huawei]: fine with r1 | R1 approved |
|  |  | [S3‑241431](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241431.zip) | Solution to KI#4 using FT | Qualcomm Incorporated | pCR | [Ericsson] : Question  [Nokia] : ask for clarification.  [Lenovo] : ask for clarification and updates.  [Qualcomm]: provides r1  [Lenovo]: r1 is okay.  [CableLabs]: provided r2  [Nokia]: fine with r2  [Ericsson]: fine with r2  [Qualcomm]: OK with r2 | R2 approved |
|  |  | [S3‑241198](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241198.zip) | solution mapping | Nokia | pCR |  | approved |
|  |  | [S3‑241429](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241429.zip) | Clarifications/corrections on linking solutions to key issues | Qualcomm Incorporated | pCR |  | approved |
|  |  | [S3‑241432](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241432.zip) | Proposed conclusion for key issue #4 | Qualcomm Incorporated | pCR | [Ericsson] : Propose to note  [Nokia] : Propose to note. | NOTED |
|  |  | [S3‑241195](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241195.zip) | Clean up | Nokia | pCR |  | approved |
| 5.9 | Study on security Aspect of Ambient IoT Services in 5G | [S3‑241476](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241476.zip) | Skeleton of TR 33.713 AIoT Security | OPPO | draft TR |  | R1 approved |
|  |  | [S3‑241477](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241477.zip) | Scope of TR 33.713 | OPPO, InterDigital | pCR |  | approved |
|  |  | [S3‑241301](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241301.zip) | Discussion on Security Aspects on Ambient IoT Service | Huawei, HiSilicon, China Unicom, China Telecom | discussion | [Nokia]: Proposes to note. | R6 approved |
|  |  | [S3‑241163](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241163.zip) | Add some context to security assumptions | ZTE Corporation | pCR | [Ericsson] : provides comments  [ZTE] : Provide details.  [Xiaomi]: Propose to discuss under the email thread of 1459  [Qualcomm]: provides a comment and proposes a merger into 241459.  [ZTE] : Agree to merge to 241459. | Merged in S3-241124 |
|  |  | [S3‑241353](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241353.zip) | pCR to TR33.713 Clause 4 Security Architecture and Assumptions | CATT | pCR | [Interdigital]: Requires clarification and changes.  [Qualcomm]: share the same view with Interdigital for the second assumption. Propose to remove it  [Ericsson] : provides questions  [Xiaomi] : provides comments  [CATT]: I am ok to remove the second assumption.  [Huawei]: propose to remove the second requirement.  [Xiaomi]: Propose to discuss under the email thread of 1459  [CATT] : CATT is ok with the merger plan. | Merged in S3-241124 |
|  |  | [S3‑241375](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241375.zip) | AIoT: Security architecture for Ambient Services in 5G network | Ericsson | pCR | [OPPO]: Propose to NOTE.  [Ericsson]: Provides comments and questions  [OPPO]: Provide reply.  [Huawei]: generally agree with OPPO and propose to note for this meeting.  [vivo]: propose to note.  [Thales]: disagrees and proposes change.  [Ericsson]: provides r1  [Lenovo]: requests revision  [Huawei]: request revision.  [Xiaomi]: Propose to discuss under the email thread of 1459  [Ericsson]: provides comments  [Qualcomm]: proposes to note this contribution  [Thales]: provides answer.  [Orange] objects scénarios without (e)UICC.  [Ericsson] provides comments  [OPPO]: provide comments and request to change. | Merged in S3-241124 |
|  |  | [S3‑241376](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241376.zip) | AIoT: Security assumptions for Ambient IoT services in 5G network | Ericsson | pCR | [Interdigital]: Requires clarification and changes.  [OPPO]: Propose to NOTE.  [Ericsson]: Propose r1 and some comments.  [Ericsson]: Re-send. Provides r2.  [Interdigital]: Provides comments for the rest of the bullets per Ericsson's request.  [Xiaomi]: Provides comments and requires clarification  [Huawei]: propose to note.  [vivo]: propose to note.  [Xiaomi]: Propose to discuss under the email thread of 1459  [Qualcomm]: propose to merge into 241459. Otherwise propose to note. | Merged in S3-241124 |
|  |  | [S3‑241401](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241401.zip) | AIoT - Security assumption for Ambient IoT | Apple | pCR | [Ericsson] : provides comments and propose to note  [Thales]: disagrees and proposes to note.  [Apple]: clarify to Ericsson  [Apple]: clarify to Thales and propose to revise.  [Xiaomi]: Propose to discuss under the email thread of 1459  [Thales]: provides comments.  [Apple]: provides comments to Thales and suggest a way forward.  [Qualcomm]: asks for a revision before approval  [Apple]: provide r1.  [Thales]: disagrees with r1 and proposes to note.  [Orange]: disagrees with r1 and request to note. | Merged in S3-241124 |
|  |  | [S3‑241459](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241459.zip) | Security assumption of 5G Ambient IoT services | Beijing Xiaomi Mobile Software | pCR | [Ericsson] : provides comments and propose to note  [Huawei]: suggest to use this for the basis to merge security assumptions related documents.  [Xiaomi]: provide response  [Qualcomm]: asks a revision before approval  [vivo]: For sake of progress, let's discuss assumption topic here. And ask revision before approval.  [OPPO]: OPPO is fine with using S3-241459 as the baseline of assumption discussion.  [Xiaomi]: provide r1  [Ericsson]: propose to note  [OPPO]: provide revise suggestion, and add OPPO as supporting company  [Xiaomi]: uploads r2 and provides clarification  [Ericsson]: provides comments, propose to note  [Xiaomi]: provides comments and fine to note  [Apple]: agree with Xiaomi's comments. Basic common understanding on the security assumptions is necessary for the study  [Qualcomm]: share the same view with Xiaomi and Apple. propose to agree with the basic assumption in r2  [Thales]: disagrees with proposed security assumption.  [Xiaomi]: question for clarification  [Thales]: provides answer.  [OPPO]: provides feedback.  [Qualcomm]: provides a comment  [Huawei]: proposes possible revision based r2.  [Xiaomi]: provides r3  [Qualcomm]: is fine with r3.  [Lenovo]: supports r3.  [Apple]: fine with r3.  [CATT]: r3 is ok for this meeting.  [Ericsson]: proposes updates to r3.  [Qualcomm]: replies to Ericsson and asks more clarification for their proposal  [Lenovo]: agrees to Qualcomm comments | R4 approved |
|  |  | [S3‑241114](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241114.zip) | New key issue for security procedure efficiency for AIoT device | vivo | pCR | [Ericsson] : propose to note  [vivo] provide a wayforward.  [Ericsson] : provides comments  [Qualcomm]: propose to study this in communication, privacy key issue. Thus, we propose to note | Merged in S3-241327 |
|  |  | [S3‑241153](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241153.zip) | Key Issue on security mechanisms for AIoT system | Xidian University | pCR | [Huawei]: propose to note.  [Qualcomm]: propose to note  [Xidian University]: Povide clarification  [Ericsson]: proposes to note.  [Xidian University]: Provide clarification.  [Xidian University]: Provide a way forward. | Merged in S3-241327 |
|  |  | [S3‑241354](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241354.zip) | pCR to TR33.713 New key issue on security protection of Ambient IoT system | CATT | pCR | [Ericsson] : Proposes to drop the first security requirement, split the other two security requirements, and merge them into S3-241282 and the merger in the communication group.  [Qualcomm]: doesn't agree with the first and second security requirements and proposes to discuss the third security requirement in a separate key issue (241435).  [CATT]: We are ok with the merger plan. Let's discuss in 241435. | R3 approved |
|  |  | [S3‑241478](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241478.zip) | KI on Device Resource Limitation | OPPO | pCR | [Ericsson] : Proposes to note.  [OPPO] : provides reply.  [Qualcomm]: propose to note  [Ericsson]:agrees with Qualcomm's comment.  [OPPO]: reply to Qualcomm and provide alternative.  [Nokia]: Replies to the comments from OPPO. | Merged in S3-241125 |
|  |  | [S3‑241479](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241479.zip) | KI on Credential Management | OPPO | pCR | [Thales]: disagrees and proposes to note.  [OPPO]: Requests Thales for clarification of comments.  [Thales]: provides clarification.  [Interdigital]: proposes to rephrase the requirement.  Replace '5GC shall provide credentials...' with '5GC shall provide means to provision and manage credentials...'  [OPPO]: Propose changes.  [Qualcomm]: propose to postpone  [Interdigital]: Does not consider OPPO's proposal solution-specific and agrees to it.  [Orange]: disagrees and requests to note.  [Thales]: provides comment. | Merged in S3-241125 |
|  |  | [S3‑241112](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241112.zip) | New key issue for AIoT device authentication and authorization | vivo | pCR | [Qualcomm]: propose to postpone | Merged in S3-241125 |
|  |  | [S3‑241151](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241151.zip) | New KI for TR 33.713 - Security | InterDigital, Inc. | pCR | [OPPO]: Propose to merge all authentication related KI and requirements into general security requirements and use S3-241151 as baseline. R1 is uploaded.  [Interdigital]: No comments on the S3-241151r1.  [Ericsson]: proposes not to merge into S3-241151 but have three separate key issues for various scenarios as captured in S3-241282, S3-241283, S3-241284, by taking these three documents as baselines.  [OPPO]: Comments for S3-241283.  [Huawei]: disagree with r1 and propose to discuss the authentication issue in the official conference call.  [Ericsson]: Let's discuss S3-241283 and S3-241284 in their respective threads.  <CC2>  Marcus presents -r1  CATT: want to merge 1354 into 1151  Thales: requirement for mutual authentication between 3GPP network, that it could happen on application or on access level, need to have this  DCM: merge communication security requirement into this  Huawei: remove the mutual, in some use cases, no mutual authentication is required  QC: general concern on this KI, as RAN2 has not decided anything on communication procedures, not sure whether mutual authentication needs to be specified.  E//: this is not a merger of the subparts, there are separate threats, how will we proceed  DCM: need to work on individual threats for individual use cases later  </CC2>  [Qualcomm]: proposes to merge into 241435 for the second security requirement. Otherwise, propose to postpone  [Ericsson]: Disagrees with the merge proposal. Proposes to note.  [Interdigital]: Agrees with the merger proposal from QC for the second requirement since it addresses communication security discussed in #435.  @Hongil: Regardless of the architecture agreement in SA2, access control (i.e., Authentication and Authorization (A&A) have to be implemented. Access control is a foundation of other security services and in the absence of A&A, the become either completely or partially ineffective. As a compromise, we can state that the requirement is conditional on the architectural agreement.  [OPPO]: Provides R2  [Ericsson]: r2 needs revision before acceptance, provides r3.  [Nokia]: Requires revision before acceptable.  [Qualcomm]: propose to postpone  [Interdigital]: propose to move forward with 'apple pie and motherhood' security services such as A&A.  SA3 does not have any luxury to 'postpone.'  A&A is the foundation of every other security service. Integrity, confidentiality, and replay protection will be needed for any shape of AIOT.  [NTT DOCOMO]: ok with -r2.  [Thales]: provides comments and changes.  [Ericsson]: provides r4, and clarifies to Thales, NTT, and Nokia  [CATT]: Provide comments.  [Nokia]: Provides answers to Ericsson.  [Huawei]: share the same view as Nokia and prefer r2 to move forwards.  [Ericsson]: comments to Nokia and Huawei. Inventory management is not the only use case. Mandatory mutual authentication is the way to go.  [Huawei]: comment to Ericsson.  [Nokia]: Comments to Ericsson. Inventory management is not the only use case. Authentication address all cases.  [Thales]: disagrees with r4.  [OPPO]: disagrees with r4 and r3.  [NTT DOCOMO]: provides an alternative formulation  [OPPO] provide comment and R5.  [Ericsson]: thanks for r5, and provides r7  [Huawei]: r8 is provided, which is purly based on the proposal from DCM.  [NTT DOCOMO]: r8 looks good  [Qualcomm]: propose to note  [Ericsson]: r8 needs clarification and changes  [Interdigital]: Authentication is needed in all use cases. For example, unauthenticated may create any number of false replies for inventory use cases.  [Thales]: disagrees with the proposal to have generic requirement for authentication relaxed. | Merged in S3-241125 |
|  |  | [S3‑241164](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241164.zip) | KI for AIoT device authentication and authorization | ZTE Corporation | pCR | [Qualcomm]: propose to postpone | Merged in S3-241125 |
|  |  | [S3‑241264](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241264.zip) | KI Authentication and identity of type A and B device | Nokia | pCR | [Qualcomm]: propose to merge second and third security requirements into each communication and privacy merger.  [Nokia]: Accept proposal to merge. | Merged into  S3-241220 |
|  |  | [S3‑241297](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241297.zip) | KI on Protection of Information Transfer for AIoT Services | OPPO Beijing | pCR | [OPPO]: propose that this contribution to be treated same as other communication related contributions in AIoT | R7 approved |
|  |  | [S3‑241282](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241282.zip) | New key issue for connectivity authentication in Ambient IoT | Ericsson | pCR | [Qualcomm]: propose to postpone | Merged into  S3-241220 |
|  |  | [S3‑241283](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241283.zip) | New key issue for application layer authentication in Ambient IoT | Ericsson | pCR | [Huawei]: clarification is needed, otherwise noted.  [Ericsson]: provides clarification to Oppo and Huawei  [Qualcomm]: propose to postpone  [OPPO]: Comments for S3-241283. | Merged into  S3-241450 |
|  |  | [S3‑241284](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241284.zip) | New key issue for Authenticated and authorized access to devices in Ambient IoT via 3GPP core | Ericsson | pCR | [Huawei]: proposed to note.  [Ericsson]: provides clarification to Oppo and Huawei  [Qualcomm]: propose to note  [OPPO]: Comment for S3-241284. | Merged into  S3-241450 |
|  |  | [S3‑241303](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241303.zip) | key issue on authentication for AIoT devices in network side | Huawei, HiSilicon, China Unicom, China Telecom | pCR | [Huawei] : provides r1 based on the feedback in the conference call.  [Ericsson]: Requires changes. Proposes to merge it into S3-241282.  [Huawei]: provides feedback.  [OPPO]: Propose to close this thread and move discussion to S3-241151 thread.  [Qualcomm]: propose to postpone | Merged into  S3-241450 |
|  |  | [S3‑241399](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241399.zip) | AIoT - New KI for Ambient IoT on Authentication | Apple | pCR | [Qualcomm]: propose to postpone | R5 approved |
|  |  | [S3‑241460](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241460.zip) | Key issue for authorization for 5G Ambient IoT services | Beijing Xiaomi Mobile Software | pCR | [Qualcomm]: requires clarifications and a revision before approval  [Xiaomi]: provides clarification and provides r1.  [OPPO]: support to study the KI, provide comments  [Qualcomm]: fine with r1 and agrees with OPPO's comment  [Xiaomi]: provides r2  [OPPO]: OPPO is fine with R2  [Qualcomm]: is fine with r2 | noted |
|  |  | [S3‑241304](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241304.zip) | key issue on protection for the command and data transferring | Huawei, HiSilicon, China Unicom, China Telecom | pCR | [Huawei]: propose to merge into S3-241435 and use S3-241435 as baseline  [Interdigital]: Agree with HW on merging into the baseline from #435. | noted |
|  |  | [S3‑241371](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241371.zip) | AIoT: New key issue for Traffic protection of AF - NEF interface | Ericsson | pCR | [Huawei]: clarification is required otherwise noted.  [Ericsson] : provides comments  [Apple]: kindly request clarification before approval.  [OPPO]: kindly request clarification before approval.  [Qualcomm]: provides a comment: this key issue may not be needed as we have an existing mechanism for this issue. | R1 approved |
|  |  | [S3‑241372](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241372.zip) | AIoT: New key issue for integrity protection of communication messages sent between AIoT device and 5G network | Ericsson | pCR | [Huawei]: propose to merge into S3-241435 and use S3-241435 as baseline  [Qualcomm]: propose to merge into 241435. Otherwise propose to note. | approved |
|  |  | [S3‑241373](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241373.zip) | AIoT: New key issue for encryption of communication messages sent between AIoT device and 5G network | Ericsson | pCR | [Huawei]: propose to merge into S3-241435 and use S3-241435 as baseline  [Interdigital]: Agree with HW on merging into the baseline from #435.  [OPPO]: Propose to close this thread and move discussion to S3-241435 thread.  [Qualcomm]: propose to merge into 241435. Otherwise propose to note. | R6 approved |
|  |  | [S3‑241374](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241374.zip) | AIoT: New key issue for protection of the transfer of security capability of the AIoT device | Ericsson | pCR | [Huawei]: propose to merge into S3-241435 and use S3-241435 as baseline  [Interdigital]: Not sure that this KI proposal can be merged into the baseline from #435.  [Ericsson]: Provides comments  [Interdigital]: Provides additional clarification and comments  [Huawei]: generally agree with Interdigital.  [Qualcomm]: provides comments and proposes to use 241435 as a KI for communication security aspect.  [OPPO]: provides comments. | Merged in S3-241124 |
|  |  | [S3‑241400](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241400.zip) | AIoT - New KI for Ambient IoT on communication security | Apple | pCR | [Huawei]: propose to merge into S3-241435 and use S3-241435 as baseline | Merged in S3-241124 |
|  |  | [S3‑241435](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241435.zip) | New Key Issue on the protection of information during AIoT service communication | Qualcomm Incorporated | pCR | [Interdigital]: Agree with HW on #435 as a baseline for this KI.  Rapporteur, kindly ask QC to hold the pen for the merger.  [OPPO]: Propose to use as a baseline for merging communication related KI and requirements.  [Qualcomm]: Agree to use this (241435) as a baseline for this KI. Provide r1 for the merger  [Apple]: Agree to merge and use 1435 as the base line.  [vivo]: r1 is OK, and please add vivo as cosigner, thanks.  [Ericsson] : requires updates, otherwise noted  [Apple]: not agree with Ericsson proposal, kindly request Ericsson to clarify their comments.  [Nokia]: Provides comments before acceptable.  [Lenovo]: requests clarification  <CC2>  Marcus presents r1, to be used as baseline  Nokia: so all contributions are merged into this one?  Oppo: except for those between 5G core and AF, and those on device capabaility  Nokia: not cost, but low complextiy of device as constraints,  Apple: can we use shall in TR requirements?  Oppo: because it is potential requirements.  Lenovo: wording: be able to rather than shall; list (confidentiality, integrity, or anti replay) sounds like either or, or combination of those things, cosign  E//: problems understanding the requirement: the or, cannot accept the note, make a different key issue for confidentiality and integrity  DCM: need to add editor's note: it is FFS where does the service start and end?  Nokia: Note: what is the what does device type A, B, C actually support,  Thales: propose to remove the note  IDCC: change requirement to change or into and, also covers the capabilites protection, not a separate key issue is required to protect the capabilities.  Huawei: convert note to editors note or remove the note  </CC2>  [Thales]: proposes to remove the NOTE in r1.  [NTT DOCOMO]: I propose to merge the requirement into 1151 as a general requirement. The threat description and details are not required.  [Apple]: disagree with removing the NOTE in r1.  [Qualcomm]: replies to comments  [Lenovo]: replies to comments  [Huawei]: provide r2.  [CATT]: 241354 is merged into this contribution and provide r3 for adding relevant information.  [CATT]: Ask questions.  [Interdigital]: Answers CATT question.  [Nokia]: Provides comments to r3 and request revision before acceptable.  [Ericsson]: Request revision before acceptable.  [NTT DOCOMO]: propose to note this contribution for now, bring back with more use case specific threat descriptions for next meeting.  [OPPO]: propose a way forward.  [Qualcomm]: asks clarifications before approval  [OPPO]: provides feedback.  [Thales]: provides comments and changes.  [NTT DOCOMO]: please add the requirement (plus editor's notes that can be agreed) into clause 4.x.1, same as 1151. The rest can go away  [Interdigital]: provides R4.  [Qualcomm]: provides r5 (KI reflecting some previous comments) and r6 (general security requirement)  [Thales]: provides answer.  [Ericsson]: provides comments  [Ericsson]: r6 requires updates  [Huawei]: provides suggestion.  [Ericsson]: provides comments, not fine with proposal from Huawei  [Xiaomi]: provides comments, not fine with proposal from Ericsson  [Ericsson]: requires updates, otherwise propose to note  [CATT]: Ask a question.  [Qualcomm]: replies to CATT  [OPPO]: provides comment, supports retention of device capabilities | Merged in S3-241124 |
|  |  | [S3‑241113](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241113.zip) | New key issue on AIoT device ID privacy | vivo | pCR | [vivo] : provide r1.  [Xiaomi] : provides comments  [Apple] : provide comments.  [OPPO] : provide comments.  [Qualcomm]: proposes a revision before approval. Please check r2 that reflects the comments  [Nokia] : Provides comments and question to R2 before acceptable.  [CATT]: Provide comments to the requirements.  [Ericsson]:Requests revisions of r2 before agreeing.  <CC2>  Marcus presents -r2  vivo: some companies want the requirement more specific, some more general  Nokia: should → shall, cosign  E//: comments was in the email, like more specific security requirement, threats motivated by the use cases, need to indicate the adversary, should → shall, have been doing privacy studies for many years, long term identifier needs to be protected, requirement is long term identifier shall be protected, maybe say unlinkability,  Chair: why mention long term identifier in particular  E//: referring a requirement that was in 1285  Apple: no strong opinion on shall vs should,  vivo: re E// commetnpermanent ID can be ciphered is too solution specific.  Huawei: need to discuss authnetication issue  DCM: requirement needs to be made more specific.  E//: threats need to be motivated based on use cases.  </CC2>  [NTT DOCOMO]: request revisions before agreeing  [Xiaomi]: request revisions before agreeing  [OPPO]: provide R3  [vivo]: provide r4.  [OPPO]: request revisions before agreeing  [Huawei]: provides comments.  [Xiaomi]: provides comments on r4 and request further revision  [vivo]: provide r5.  [Ericsson]:provides r7  [Interdigital]:Disagrees with the 'anonymity' requirement as not needed and provides r8.  [Ericsson]: Provides r9. Removes the word anonymity  [Nokia]: Provides comments to R9.  [NTT DOCOMO]: more comments on R9, revision required  [Ericsson]:Provides r10 and responds to Nokia's comments.  [Nokia] : Provides clarification and requires revision.  [Qualcomm]: cannot accept r10 and requires further revision before approval. Check r11  [Interdigital]: Provides arguments for agreeing on the privacy KI and states that SA3 cannot afford to postpone it due to TU limitation.  [Qualcomm]: replies to Interdigital  [vivo]: ask for clarification  [Qualcomm] : replies to the comments  [vivo] : replies to the comments  [Xiaomi] : provides response  [Xiaomi] : provides r12  [Ericsson]:Comments and disagrees to r11 and r12.  <CC4>  Marcus presents r9  DCM: need more time  QC: not ok,  Nokia: relates to second requirement, should be prevent not mitigate  Xiaomi: latest revision is r12  vivo: add EN that more security requirements are FFS  E//: prefer conealment of long term identifier, not 3GPP system, but 5G system, there is no one way to prevent attacks, make it mechanisms, the trailing text was to give the means of the attack, threats need to be motivated by the use cases., open revision 10 to show removed text  DCM: linking identifiers limits the requirement, that otherwise would include RFID fingerprinting  QC: say 3GPP system, because if we say 5G system, then it only covers 5G identifiers; maybe long term identifiers are not sent over the air.  Lenovo: saying 5G is not wrong, as this is 5G feature, also prefer not to say long term identifier, sent in protected manner  Oppo: first requirement in r10 goes away  IDCC: not ok with second requirement  vivo: not see a big difference between 5G system and 3GPP system  Chair: ed note to say 3GPP vs 5G system to be resolved  E//: how will this be resolved  Huawei: use "System"  IDCC: problem with r10 second requirement, talks about the same device, group identity might also be a linking identifier  DCM: 5G vs 3GPP might be confusion about which system is protecting and of which system are the identifiers, remove onle the "of the same device"  </CC4>.  [OPPO]:uploaded R13.  [Qualcomm]: provides a response to Ericsson  [OPPO]:uploaded R14.  [vivo] : provides r15.  [NTT DOCOMO]: r15 is ok, but could also be improved  [Qualcomm]: r13 is the one we discussed during CC, not r14  [Qualcomm]: provides r16 (revision from r13).  [Ericsson]: r15 is not okay, supports r14.  [NTT DOCOMO]: -r16 also ok  [Ericsson]: r16 is not okay  [Qualcomm]: asks clarifications to Ericsson  [Ericsson]: gives clarification to Qualcomm inline with blue text.  [Huawei]: fine with R16.  [Xiaomi]: fine with R16.  [Lenovo]: fine with R16.  [Apple]: R16 looks good.  [Ericsson]: provides r17  [Huawei]: fine with r17.  [Apple]: fine with r17.  [Qualcomm]: is fine with r17  [Xiaomi]: can live with r17  [Lenovo]: fine with r17 | Merged in S3-241124 |
|  |  | [S3‑241150](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241150.zip) | New KI for TR 33.713 - Privacy | InterDigital, Inc. | pCR | [vivo] : propose to merge this contribution into S3-241113, and close discussion of this E-mail theat.  [Interdigital]: Agrees with Vivo's proposal to merge this contribution into S3-241113, and close discussion of this E-mail thead. | Merged in S3-241124 |
|  |  | [S3‑241165](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241165.zip) | KI for AIoT device ID privacy | ZTE Corporation | pCR | [vivo] : propose to merge this contribution into S3-241113, and close discussion of this E-mail theat.  [ZTE] : Fine to merge this contribution into S3-241113. | R4 approved |
|  |  | [S3‑241285](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241285.zip) | New key issue for identity privacy in Ambient IoT | Ericsson | pCR | [vivo] : propose to merge this contribution into S3-241113, and close discussion of this E-mail theat.  [Qualcomm]: propose to merge into 241113. Otherwise propose to note. | Merged in S3-241327 |
|  |  | [S3‑241300](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241300.zip) | Add KI on privacy protection for Ambient IoT device identifier | OPPO | pCR | [vivo] : propose to merge this contribution into S3-241113, and close discussion of this E-mail theat.  [Qualcomm]: propose to merge into 241113. Otherwise propose to note. | Merged in S3-241327 |
|  |  | [S3‑241358](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241358.zip) | pCR to TR33.713 New key issue on privacy protection of Ambient IoT system | CATT | pCR | [vivo] : propose to merge this contribution into S3-241113, and close discussion of this E-mail theat.  [Qualcomm]: propose to merge into 241113. Otherwise propose to note. | R3 approved |
|  |  | [S3‑241436](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241436.zip) | New Key Issue on the privacy of information about AIoT device during AIoT service communication | Qualcomm Incorporated | pCR | [vivo] : propose to merge this contribution into S3-241113, and close discussion of this E-mail theat. | Merged in S3-241125 |
|  |  | [S3‑241462](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241462.zip) | Key issue for security and privacy for Ambient IoT information transmission | Beijing Xiaomi Mobile Software | pCR | [vivo] : propose to merge this contribution into S3-241113, and close discussion of this E-mail theat.  [Qualcomm]: propose to merge into 241113. Otherwise propose to note.  [Xiaomi]: this contribution is merged in 241113 | Merged in S3-241125 |
|  |  | [S3‑241494](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241494.zip) | AIoT device identifier privacy | Lenovo | pCR | [vivo] : propose to merge this contribution into S3-241113, and close discussion of this E-mail theat.  [Lenovo] : fine to merge into S3-241113, and close discussion of this E-mail theat. | Merged in S3-241125 |
|  |  | [S3‑241302](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241302.zip) | key issue on the protection for enable/disable device operation | Huawei, HiSilicon, Telecom Italia, China Unicom, China Telecom | pCR | [Huawei]: provides r1.  [Xiaomi]: generally ok with r1  [Apple]: kindly request clarification before approval.  [OPPO]: provide suggestion  [Huawei]: provide feedback and r2.  [Apple]: provide feedback and fine with the revision.  [Huawei]: provide r3 with an additional note.  [Qualcomm]: require clarifications and revision before approval, otherwise propose to postpone  [OPPO]: request changes  [Huawei]: provide clarification and proposal.  [OPPO]: ok with the change, but with additional comments  [Qualcomm]: require further revision before approval  [Huawei]: r4 is proposed.  [Nokia]: Requires changes to R4 before acceptable.  [Ericsson]: provides proposal for updates  [Huawei]: provides r5.  [Interdigital]: provides r6.  [Ericsson]: not fine with r6.  [Interdigital]: provides clarification showing where exactly in R5 states 'based on operator policy.'  Please see the quotation from clause 5.X.1 taken from R5.  [OPPO]: OK with R6 but with additional comments.  [Ericsson]: provides comments, fine with R6  [Nokia]: Nokia is fine with R6 and would like to co-sign the contribution.  [Huawei]: provide r7 with additional supporting companies.  [Interdigital]: reviewed r7 and is OK with it.  [KPN]: asks questions for clarification  [Huawei]: r8 is provided based on the suggestion from KPN  [Qualcomm]: requires further revision before approval  [Huawei]: r9 is provided.  [Interdigital]: OK with r9.  [Qualcomm]: is fine with r9 | Merged in S3-241125 |
|  |  | [S3‑241370](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241370.zip) | AIoT: New key issue for disablingAIoT devices | Ericsson | pCR | [Huawei]: propose merge into S3-241302 and use S3-241302 as baseline.  [Ericsson]: provides comments  [Huawei]: provide feedback.  [Ericsson]: provides feedback.  [Huawei]: provide feedback and propose to close the discussion in this thread.  [Qualcomm]: propose to merge into 241302. Otherwise propose to note.  [Ericsson] fine with merging into S3-241302 | Merged in S3-241125 |
|  |  | [S3‑241461](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241461.zip) | Key issue for disable device operation in 5G Ambient IoT services | Beijing Xiaomi Mobile Software | pCR | [Huawei]: propose merge into S3-241302 and use S3-241302 as baseline.  [Qualcomm]: propose to merge into 241302. Otherwise propose to note.  [Xiaomi]: this contribution is merged in 241302. | Merged into  S3-241220 |
|  |  | [S3‑241152](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241152.zip) | New KI for TR 33.713 - DOS | InterDigital, Inc. | pCR | [Qualcomm]: propose to note  [Interdigital]: asks QC to reconsider its opposition. | R7 approved |
|  |  | [S3‑241392](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241392.zip) | Solution for AIoT Lightweight Authentication Based on 5G-AKA | OPPO | pCR | [Ericsson] : Proposes to note. Let's agree on security requirement first before discussing solution.  [Qualcomm]: propose to postpone | Merged into  S3-241220 |
| 5.10 | SID on security aspects of Usage of User Identities | [S3‑241121](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241121.zip) | Draft TR 33.700-32 skeleton | InterDigital Belgium. LLC | draft TR | [Ericsson]: suggests update  [Interdigital]: prefer to stick to common solution template used by most Rel-19 SA3 TRs skeletons.  [Ericsson]: suggests alternative update  [Interdigital]: r1 is provided.  [Ericsson]: r1 is fine | R1 approved |
|  |  | [S3‑241122](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241122.zip) | TR 33.700-32 scope | InterDigital Belgium. LLC | pCR |  | approved |
|  |  | [S3‑241124](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241124.zip) | TR 33.700-32 security assumptions | InterDigital Belgium. LLC | pCR | [Interdigital] : r1 merger of 1199, 1232, 1329, 1330, 1447.  [Huawei] : provide comments  [Xiaomi]: provides clarification and comments  [ChinaTelecom]: provides comments to r1.  [ZTE]: provide comments  [Ericsson]: requires updates  [Interdigital]: provides r2 including embedded comments dispositions.  [Xiaomi]: provides r3  [Nokia]: asking clarification.  [Ericsson]: r3 requires updates  <CC3>  Samir presents -r4  DCM: how does only one user ID per device work in case of dual USIM?  CableLabs: authentication is not done by AUSF, but maybe by UPF, not done in 5GC is not correct  Charter: 5GC may be inolved, but maybe not some functions.  IDCC: it means there is no 5G AKA, there was a proposal by E// to reproduce the note of SID; after authentication in AMF, that identity is being used  Charter: what was the proposal with the note? This decision may influence the solution  Chair: → email  ZTE: concern about first bullet, future solutions could have impact on primary auth, but consider these  IDCC: don't touch primary auth, user id auth needs to be independent of primary auth  </CC3>  [Xiaomi]: tentatively provides r4  [Interdigital]: comments on r3. Proposal for next r4  [Interdigital]: comments on r4.  [Interdigital]: provides r5 based on email and comments during CC.  [ChinaTelecom]: requests clarification.  [Ericsson]: proposes updates to r5  [Xiaomi]: provides comment  [Interdigital]: provides r6.  [Ericsson]: r6 is fine  [Huawei]: fine with r6.  [ChinaTelecom]: fine with r6.  [Xiaomi]: fine with r6  [Nokia]: fine with r6 | R6 approved |
|  |  | [S3‑241199](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241199.zip) | Security Assumptions | Nokia | pCR | [Nokia]: 241199 is merged into 1124 and this thread is closed. | Merged in S3-241124 |
|  |  | [S3‑241232](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241232.zip) | Architecture and Security Assumptions in TR 33.700-32 | China Telecom Corporation Ltd. | pCR |  | Merged in S3-241124 |
|  |  | [S3‑241329](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241329.zip) | New assumption on user ID case | Huawei, HiSilicon | pCR | [Huawei]: S3-241329 is merged into S3-241124 | Merged in S3-241124 |
|  |  | [S3‑241330](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241330.zip) | New assumption on for non-3GPP device case | Huawei, HiSilicon | pCR | [Huawei]: S3-241330 is merged into S3-241124 | Merged in S3-241124 |
|  |  | [S3‑241447](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241447.zip) | 33.700-32: Architecture and Security Assumptions | Xiaomi Technology | pCR | [Xiaomi]: S3-241447 is merged into S3-241124 | Merged in S3-241124 |
|  |  | [S3‑241327](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241327.zip) | New definition: user ID and non-3GPP device ID | Huawei, HiSilicon | pCR | [Huawei] : r1 provided for proposed merger of 1327, 1328, and 1446.  [Xiaomi]: provides comments on r1 for further changes  [Ericsson]: r1 requires updates  [Xiaomi]: provides response to the comments  [Interdigital]: comment on r1  [Xiaomi]: provides suggestion for revision  [Huawei]: provides r2  [ChinaTelecom]: provides r3  [Nokia]: ask for clarification before approval.  <CC3>  Wei(Xiaomi) presents  Nokia: just point to SA2 TR.  Huawei: also prefer the definition based on conference call, the editor's note says there will need to be alignment if updated in SA2  IDCC: easier to refer to SA2  ??: refer to SA1  E//: refer to SA2, because they refer to SA1  CableLabs: what is the problem with this definition  Chair: majority seemed to be for referring to SA2  Huawei: even if referring SA2 we need to list the definitions here, need to list the definitions  </CC3>  [Ericsson]: comments on r3 and suggestions by Interdigital and Nokia  [Huawei]: provides clarification.  [ChinaTelecom]: fine with r3.  [Nokia]: not ok with this version  [Huawei]: responses to Nokia.  [Interdigital]: comments on primary intent of paper.  [Ericsson]: r3 requires updates  MCC commented that SA2 terms could be referenced or copied here. No preferred option from drafting rules point of view but what tdoc S3-241327 shows is OK.  [Ericsson]: proposes to reference the SA2 terms, i.e. first option proposed by MCC  [Nokia]: proposes to reference the SA2 terms, i.e. first option proposed by MCC  [ChinaTelecom]: fine to reference the SA2 TR.  [Huawei]: r4 provided.  [ChinaTelecom]: r4 is fine.  [Xiaomi]: fine with r4  [Nokia]: r4 is fine. Thanks for your effort.  [Ericsson]: r4 is fine | R4 approved |
|  |  | [S3‑241328](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241328.zip) | New definition: user authentication and non-3GPP device authentication | Huawei, HiSilicon | pCR | [Huawei]: S3-241328 is merged into S3-241327 | Merged in S3-241327 |
|  |  | [S3‑241446](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241446.zip) | 33.700-32: Terms | Xiaomi Technology | pCR | [Xiaomi]: S3-241446 is merged into S3-241327 | Merged in S3-241327 |
|  |  | [S3‑241125](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241125.zip) | TR 33.700-32 new KI authentication and authorization of human user | InterDigital Belgium. LLC, Nokia | pCR | [Interdigital] : r1 merger of 1176, 1226, 1386, 1411, 1448.  [Xiaomi]: provides comments on r1 for further revision  [Ericsson]: r1 requires updates  [Interdigital]: provides r2.  [Xiaomi]: tentatively fine with r2 on pending acceptance  <CC3>  Samir presents -r2  E//: minor discussion on assumptions, not ok with copying text to avoid later misalignment  IDCC: do that for stable assumptions, convenience for the reader  </CC3>  [Ericsson]: comments on r2  [Apple]: comments on r2, propose rewording, otherwise note.  [ChinaTelecom]: share the same concerns with Apple on r2.  [Interdigital]: replies to comments. Provides r3.  [Xiaomi]: fine with r5  [Xiaomi]: fine with r3  [Ericsson]: r3 is fine  [Huawei]: r3 is fine.  [ChinaTelecom]: fine with r3.  [Samsung]: r3 is fine.  [ZTE]: r3 is fine. | R3 approved |
|  |  | [S3‑241176](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241176.zip) | KI on Authentication and Authorization of User Identifiers | ZTE Corporation | pCR | [ZTE]: S3-241176 is merged into S3-241125 | Merged in S3-241125 |
|  |  | [S3‑241226](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241226.zip) | New Key Issue of Authentication and Authorization of User ID | China Mobile | pCR | [Thales]: disagrees.  [Thales]: the proposed comment does not apply to S3-241226. Please do not take this comment into consideration.  [Interdigital]: S3-241226 is merged into S3-241220 | Merged in S3-241125 |
|  |  | [S3‑241386](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241386.zip) | new key issue for user authentication and authorization | Huawei, HiSilicon | pCR | [Huawei]: S3-241386 is merged into S3-241125 | Merged in S3-241125 |
|  |  | [S3‑241411](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241411.zip) | Key issue on User Authentication and Authorization | Samsung | pCR | [Samsung]: This pCR is merged to S3-241125 | Merged in S3-241125 |
|  |  | [S3‑241448](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241448.zip) | 33.700-32: Key Issue on User Authentication and Authorization | Xiaomi Technology | pCR | [Xiaomi]: S3-241448 is merged into S3-241125 | Merged in S3-241125 |
|  |  | [S3‑241126](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241126.zip) | TR 33.700-32 new KI authentication and authorization of non-3GPP device | InterDigital Belgium. LLC | pCR | [Thales]: disagrees.  [CMCC]: clarifies it should be S3-241127 that is merged into S3-241450, instead of S3-241227.  [Interdigital]: (typo correction) confirms S3-241127 (not 1227) is merged into S3-241450.  [Ericsson]: proposes update to r4  [Ericsson]: previous comment applies to S3-241450  [Interdigital]: S3-241126 is merged into S3-241220. | Merged into  S3-241220 |
|  |  | [S3‑241220](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241220.zip) | Key issue #Y: Security of Authentication and Authorization of one or more non-3GPP devices behind one gateway UE or 5G-RG | Huawei, HiSilicon | pCR | [Huawei] : r1 provided for proposed merger of 1220, 1126, and 1233.  [Thales]: disagrees with the initial contribution and r1 since the authentication of non-3GPP device by 5GC is out of scope of the study.  [ChinaTelecom]: support this KI and provide comments.  [Ericsson]: r1 requires updates  [Nokia]: r1 requires updates.  [Interdigital]: propose wording for 2nd requirement.  [Thales]: provides further comments.  [Xiaomi]: proposes to postpone or merge into 1125  [ChinaTelecom]: Share same views with Xiaomi about merging discussion and study for human and device  [Huawei]: Provides r2.  <CC3>  Zander presents -r2  CableLabs: not not needed because we have this in assumptions  IDCC: note not needed if this is in assumptions  Xiaomi: remove first and last requirement, because not security requirements, not see the difference between human or device, why distinguish  E//: same comment on requirements, not in 3GPP scope  Nokia: same comments  CableLabs: those requirements are authorization related so need to be here,  CMCC: prefer to remove the requirements  IDCC: not do this because they are on different assumption, keep these separate based on the discussion. Keep the requirements separate  Huawei: can still be done based on the use case  → if extra discussion is needed rapporteur need to provide input for Thursday.  </CC3>  [Interdigital]: comments on r2.  [Ericsson]: r2 requires updates  [Huawei]: r3 provided  [Huawei]: r4 provided in response to Thales.  [Huawei]: Would like to support this contribution, please add Charter as a supporting company  [ChinaTelecom]: Basically ok with r4, provide r5 to align with terms in 1327.  [Xiaomi]: provides comments on r4  [ChinaTelecom]: r5 is avaliable.  <CC4>  -r6  CableLabs: Note needs to be consistent with assumption, proposal to remove note  Huawei: ok to remove, added to address Thales concern  Thales: ok if security assumptions are agreed  </CC4>  [Ericsson]: proposes update to r5  [Rapporteur]: will ask for CC time for possible quick resolution of last remaining issues (if any) on this KI  [Huawei]: provides r6.  [Huawei]: provides r7.  [Ericsson]: r7 is fine | R7 approved |
|  |  | [S3‑241233](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241233.zip) | Key Issue on authentication and authorization of non-3GPP device behind a UE or 5G-RG | China Telecom Corporation Ltd. | pCR |  | Merged into  S3-241220 |
|  |  | [S3‑241127](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241127.zip) | TR 33.700-32 new KI privacy of human user identifier | InterDigital Belgium. LLC, Nokia | pCR | [Interdigital]: S3-241227 is merged into S3-241450  [Interdigital]: S3-241127 is merged into S3-241450 | Merged into  S3-241450 |
|  |  | [S3‑241177](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241177.zip) | KI on Privacy Protection of User Identity Profile | ZTE Corporation | pCR | [ZTE]: S3-241177 is merged into S3-241450 | Merged into  S3-241450 |
|  |  | [S3‑241387](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241387.zip) | new key issue for user privacy protection | Huawei, HiSilicon | pCR | [Huawei]: S3-241387 is merged into S3-241450 | Merged into  S3-241450 |
|  |  | [S3‑241450](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241450.zip) | 33.700-32: Key Issue on User Privacy | Xiaomi Technology | pCR | [Xiaomi]: provides r1 of 1450 merging 1127, 1177 and 1387.  [Nokia]: ask clarification.  [Ericsson]: r1 requires updates  [Xiaomi]: provides feedback and r3  [Interdigital]: editorial comment on r3  [Huawei]: provides comments on r3  <CC3>  XiaomI: still needs to be updated, ok on email  </CC3>  [Ericsson]: replies to Xiaomi, r3 requires further updates  [Xiaomi]: provides r4  [Ericsson]: proposes update to r4  [Interdigital]: OK with r4.  <CC4>  E//: support mechanisms to mitigate privacy attacks  Nokia: what is the problem with this sentence  E//: is this clear, already provided alternative text  Xiaomi: only have concern on first requirement  IDCC: second one is about exposure  DCM: not give examples, because given in 5.x.2  </CC4>  [Interdigital]: comment and Ericsson proposed text  [Nokia]: agree with Interdigital proposal  [Ericsson]: replies to IDCC and Nokia  [Interdigital]: replies to Ericsson. (Rapporteur) paper to be brought up at CC to try to converge quickly  [Huawei]: fine with r4.  [Ericsson]: concrete proposal for update to r4  [Xiaomi]: provides r5  [Interdigital]: OK with r5  [Huawei]: OK with r5  [ZTE]: fine with r5.  [Ericsson]: r5 is fine | R5 approved |
|  |  | [S3‑241449](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241449.zip) | 33.700-32: Key Issue on Secure Credential Provisioning | Xiaomi Technology | pCR | [Thales]: disagrees and asks to note.  [Xiaomi]: provides feedback and r1 by removing the requirements on non-3GPP device  [Interdigital]: agree with r1 to study this KI.  <CC3>  Xiaomi: Thales says credential provisioning not in scope, but for human user it should be  IDCC: ok after removal of non-3GPP  DCM: not sure that this is required, as operators already have this mechanism  Nokia: if Thales is ok with revision, Nokia needs more time  E//: if this is in scope then it is a sub problem of user authentication. Uncomfortable with scope creep  IDCC: disagree with merger, different key issue  Nokia: this is different from what SA2 is discussing, why are we discussing this here  Xiaomi: we need to identify the user and then authenticate  IDCC: also not ok with "linked to subscription"  Xiaomi: Thales comments are addressed  Thales: need to review  </CC3>  [Ericsson]: proposes to note for this meeting  [Nokia]: fine with the KI but needs to change the language. As companies are objecting now, so not updating the KI. We can work on this in the next meeting.  [Thales]: proposes to note.  [Xiaomi]: provides response | noted |
|  |  | [S3‑241493](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241493.zip) | draft LS to SA2 on the definition of non-3GPP device identifier | Huawei, HiSilicon | LS out | [Interdigital]: agree with LS to SA2 conditional on outcome from 1327 discussion. Propose some re-wording in r1.  [Xiaomi]: provides r2  <CC3>  Saurabh presents -r2  IDCC: no need to send the first paragraph, disagree with second paragraph, no need to question their decision  Xiaomi: this won't block our progress  DCM: the second para is about saying this is completely different studies in one, so it is quite confusing that both are mixed.  Huawei: better to separate the use cases.  CableLabs: there are already separate key issues  DCM: send LS from next meeting  </CC3>  [Nokia]: Not OK with the LS proposal and asking for clarification  [Ericsson]: Also wonders whether it is necessary to send this LS.  [Ericsson]: disagrees with r2 | noted |
|  |  | [S3‑241331](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241331.zip) | Propose a LS to SA2 about non-3GPP device identifier | Huawei, HiSilicon | pCR |  |  |
| 5.11 | R19 SID on UAS security enhancement | [S3‑241224](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241224.zip) | Draft TR 33.759 skeleton (UAS) | Ericsson | draft TR |  | Approved |
|  |  | [S3‑241379](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241379.zip) | Overview and Security Assumption | Huawei, HiSilicon | pCR | [Ericsson] : Propose to merge (1254)  [Huawei] : agree to merge 1379 and 1254  [Ericsson] : Merged overview 1379-r1 (1379, 1254)  [Huawei] : provides 1379r2  [Ericsson] : fine with r2  [Interdigital] : revision required  [Huawei] : provides r3 in response to InterDigital  [Lenovo] : Asks clarifications  [Huawei] : provides clarification  [Lenovo] : Thanks for the clarifications on r3.  [Interdigital] : OK with r3. | 1379-r3 approved |
|  |  | [S3‑241254](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241254.zip) | Overview of Uncrewed Aerial Systems (UAS) | Ericsson | pCR | [Ericsson] : 1254 is merged to 1379-r3 | 1254 merged into 1379 |
|  |  | [S3‑241269](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241269.zip) | Scope of TR 33.759 | Ericsson | pCR | [Ericsson] : Provides merged document (1269,1378)  [Lenovo] : Provides comments.  Needs clarification and revision before approval.  [Ericsson] : 1269-r2  [Lenovo] : r2 is okay  [Interdigital] : OK with r2  [Huawei] : r2 is fine. | 1269-r2 approved |
|  |  | [S3‑241378](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241378.zip) | Scope of TR 33.759 | Huawei, HiSilicon | pCR | [Ericsson] : Propose to merge (1269)  [Huawei] : Agree to merge 1378 and 1269  [Ericsson] : Provides merged document (1269,1378)  [Huawei] : fine with r1  [Ericsson] :1378 is merged to 1269-r2 | 1378 merged into 1269 |
|  |  | [S3‑241380](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241380.zip) | new key issue for security enhancements to NEF | Huawei, HiSilicon | pCR | [Interdigital] : Propose merger with 1132  [Huawei] : agrees to merge and provides 1380r1 for review  [Qualcomm]: proposes changes before approval  <CC3>  Markus (E//) presents -r1  QC: KI is really about multiple USS, so change KI name.  IDCC: proposes a merger over email  → email  <CC3>  [Huawei]: provides r2.  [Interdigital]: OK with r2.  [Qualcomm]: r2 OK | 1380-r2 approved |
|  |  | [S3‑241381](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241381.zip) | new key issue for NWDAA security | Huawei, HiSilicon | pCR | [Qualcomm]: requires clarification before approval  <CC3>  Lenovo: why is SA2 cited when they have not concluded?  QC: not clear this is required, existing procedures can be used  Huawei: matter of when to start the study, there is no conclusion yet.  Chair: can we proceed without conclusion from SA2?  Huawei: not clear  Lenovo: looking into this is fine, but remove the examples  → email  </CC3>  [Lenovo]: Ask clarification and revision.  [Huawei]: provides clarification and r1.  [Lenovo]: r1 is fine.  [Ericsson]: requires revision before approval  [Huawei]: responses to Ericsson  [Ericsson]: provides r2  [Qualcomm]: propose to note the contribution  [Huawei]: responses to Qualcomm | 1381-r2 noted |
|  |  | [S3‑241132](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241132.zip) | TR 33.759 new KI UAV authorization for multi USS scenario | InterDigital Belgium. LLC | pCR | [Interdigital]: S3-241132 is merged into S3-241380. | 1132 merged into 1380 |
| 5.12 | Study on security Aspects of Enhancement for Proximity Based Services in 5GS Phase 3 | [S3‑241321](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241321.zip) | Draft TR Skeleton of TR 33.743 ProSe Phase 3 | Huawei, HiSilicon | draft TR |  | approved |
|  |  | [S3‑241322](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241322.zip) | TR Scope of TR 33.743 ProSe Phase 3 | Huawei, HiSilicon | pCR | [Huawei, HiSilicon] : provides r1 to merge the scope-related documents.  [Qualcomm] : provides a comment  [Huawei, HiSilicon]: replies.  [Huawei, HiSilicon]: Correct the thread title.  [CATT]: is ok with r1 | r1 approved |
|  |  | [S3‑241360](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241360.zip) | pCR to TR 33.743 Scope | CATT | pCR | [Huawei, HiSilicon] : propose to merge this contribution into S3-241322 and move the scope-related discussion under 1322.  [CATT] : CATT is ok with the merger plan. | Merged to 1322 |
|  |  | [S3‑241234](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241234.zip) | Overview and Security assumptions of TR 33.743 | China Telecom Corporation Ltd. | pCR | [China Telecom]: suggest to merge 1128, 1326, 1364 into 1234 and provide r1.  [CATT] : CATT is ok with the merger plan.  [Ericsson] : provides comments  [Huawei, HiSilicon]: replies to the comments from Ericsson.  [Ericsson]: reply to Huawei's comments and proposal  [Qualcomm]: proposes a change  [China Telecom]: provide clarification.  [China Telecom]: provide r2.  [Ericsson]: we are fine with r2.  [Qualcomm]: is fine with r2  [Huawei, HiSilicon] is fine with r2  [CATT]: is fine with r2 | r2 approved |
|  |  | [S3‑241326](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241326.zip) | TR Assumptions of TR 33.743 ProSe Phase 3 | Huawei, HiSilicon | pCR | [China Telecom]: suggest merging in 1234.  [Huawei, HiSilicon]: Fine to merge into 1234. | Merged to 1234 |
|  |  | [S3‑241364](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241364.zip) | pCR to TR33.743 Clause 4 Overview and Security Assumptions | CATT | pCR | [China Telecom]: suggest merging in 1234. | Merged to 1234 |
|  |  | [S3‑241128](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241128.zip) | TR 33.743 Common References | InterDigital Belgium. LLC | pCR | [China Telecom]: suggest merging in 1234.  [Interdigital]: S3-241128 is merged into S3-241234 | Merged to 1234 |
|  |  | [S3‑241323](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241323.zip) | New KI for security and privacy aspects of multi-hop U2N discovery | Huawei, HiSilicon | pCR | <CC3>  Ao presents -r4  E//: need more time, povide more comments after the meeting, problem with file  Huawei: will send version offlist  QC: whether E2E security si needed is more like solution, no editor's note required, can be discussed as solution  E//: how does the network know that the traffic is coming from remote UE or intermediate  Huawei: that's why we need to make such key issue  Chair: can we simply remove the EN?  E//: the network needs to know where the traffic is coming from.  </CC3>  [Huawei, HiSilicon] : propose to move the U2NW KI discussion under 1323, and suggest to use a single KI to incldue all U2NW scenarios.  [Xiaomi] : ok with the merging plan  [China Telecom] : agree to use a single KI and ok with the merging plan.  [Ericsson] : we are fine with using a single KI for U2NW relay.  [Interdigital] : OK with the proposed merger plan using 1323 as baseline.  [Huawei, HiSilicon]: provides r1.  [Qualcomm]: provides r2 reflecting our comments  [Huawei, HiSilicon]: Fine with r2.  [Xiaomi]: provides comments.  [Ericsson] : provides r3  [Huawei, HiSilicon] : ask for clarification about the new security requirement.  [Ericsson] : provides comments to Huawei  [Interdigital] : share same view as Ericsson on need for last requirement.  [Qualcomm]: doesn't agree with the 5th security requirement in r3.  [Huawei, HiSilicon]: Replies to Ericsson and InterDigital and provides r4. The fifth security requirement can be covered by the first two, not agree with the potential threat.  [Xiaomi]: fine with r4 and comments on the E2E security  [China Telecom]: provide comments and need clarification before approval.  [Ericsson] : provides comments to Huawei on r4  [Huawei, HiSilicon]: Replies to the Ericsson's comment  [Qualcomm]: provides a comment and retains the same position.  [Ericsson]: Replies to the Huawei's comment  [Huawei, HiSilicon]: Correct the thread title. S3-241323 is the merger of all tdocs in 'U2NW KI' group.  [Huawei, HiSilicon]: provide a potential EN proposal.  [Huawei, HiSilicon]: provides r5 so that involvers can discuss based on it.  [China Telecom]: fine with r5.  [Huawei, HiSilicon]: request feedback regarding r5.  [Interdigital]: Ok with r5.  [Xiaomi]: Fine with r5.  [Qualcomm]: asks a clarification before approval  [Huawei, HiSilicon]: replies to QC.  [Ericsson]: Fine with r5.  [Ericsson]: replies to Huawei and QC.  [Huawei, HiSilicon]: provides r6 to use the proposed EN, please check.  [Huawei, HiSilicon]: provides r7 to use the proposed EN, please check.  [Qualcomm]: is fine with r7  [Xiaomi]: ok with r7  [Ericsson]: is fine with r7 | r7 approved |
|  |  | [S3‑241457](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241457.zip) | Key issue for Security for Multi-hop UE-to-Network Relay | Beijing Xiaomi Mobile Software | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1323. | Merged to 1323 |
|  |  | [S3‑241248](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241248.zip) | New KI on Security and Privacy for multi-hop UE-to-Network Relays | China Telecom Corporation Ltd. | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1323. | Merged to 1323 |
|  |  | [S3‑241250](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241250.zip) | Key issue on Security for multi-hop UE-to-Network Relay discovery | China Telecom Corporation Ltd. | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1323. | Merged to 1323 |
|  |  | [S3‑241129](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241129.zip) | TR 33.743 new KI multihop U2N security | InterDigital Belgium. LLC | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1323. | Merged to 1323 |
|  |  | [S3‑241130](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241130.zip) | TR 33.743 new KI multihop U2N authorization | InterDigital Belgium. LLC | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1323. | Merged to 1323 |
|  |  | [S3‑241131](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241131.zip) | TR 33.743 new KI multihop U2N discovery security | InterDigital Belgium. LLC | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1323. | Merged to 1323 |
|  |  | [S3‑241270](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241270.zip) | Key issue of multiple hop U2N discovery | Ericsson | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1323. | Merged to 1323 |
|  |  | [S3‑241273](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241273.zip) | Key issue of multiple hop U2N communication | Ericsson | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1323. | Merged to 1323 |
|  |  | [S3‑241167](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241167.zip) | Key issue on authorization in the multi-hop UE-to-Network Relays scenario | ZTE Corporation | pCR | [Qualcomm]: propose to merge into 241323. Otherwise propose to note.  [ZTE] : 1167 is merged to 1323. | Merged to 1323 |
|  |  | [S3‑241169](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241169.zip) | Key issue on Security for multi-hop UE-to-Network Relays discovery | ZTE Corporation | pCR | [Qualcomm]: propose to merge into 241323. Otherwise propose to note.  [Huawei, HiSilicon]: All the U2NW KI docs are merged into 1323. | Merged to 1323 |
|  |  | [S3‑241324](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241324.zip) | New KI for security and privacy aspects of multi-hop UE-to-UE discovery | Huawei, HiSilicon | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1458. | Merged to 1458 |
|  |  | [S3‑241458](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241458.zip) | Key issue for Security for Multi-hop UE-to-UE Relay | Beijing Xiaomi Mobile Software | pCR | [Huawei, HiSilicon] : propose to use the thread of 1458 to discuss U2U KI, and suggest to use a single KI to incldue all U2U scenarios.  [Xiaomi] : ok with the merging plan  [China Telecom] : agree to use a single KI.  [China Telecom] : agree to use a single KI and ok with the merging plan.  [Huawei, HiSilicon]: correct the grouping info. Propose to start merger work.  [Xiaomi]: provides r1  [Ericsson]: provides r2  [Huawei, HiSilicon]: fine with r2  [ZTE] : Fine with R2.  [Qualcomm]: proposes further revision before approval  [Huawei, HiSilicon]: replies to QC.  [Qualcomm]: replies to Huawei  [Xiaomi]: provides responses  [Huawei, HiSilicon]: provides responses.  [Xiaomi]: provides r3  [Huawei, HiSilicon]: fine with r3.  [Huawei, HiSilicon]: Correct the thread title. S3-241458 is the merger of all tdocs in 'U2U KI' group. The discussion history shown below.  [Qualcomm]: is fine with r3  [Ericsson]: is fine with r3 | r3 approved |
|  |  | [S3‑241253](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241253.zip) | New KI on Security and Privacy for Layer-3 multi-hop UE-to-UE Relays | China Telecom Corporation Ltd. | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1458. | Merged to 1458 |
|  |  | [S3‑241256](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241256.zip) | Key issue on Security for multi-hop UE-to-UE relay discovery | China Telecom Corporation Ltd. | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1458. | Merged to 1458 |
|  |  | [S3‑241166](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241166.zip) | Key issue on authorization in the layer-3 multi-hop UE-to-UE Relays scenario | ZTE Corporation | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1458. | Merged to 1458 |
|  |  | [S3‑241168](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241168.zip) | Key issue on Security for layer-3 multi-hop UE-to-UE Relays discovery | ZTE Corporation | pCR | [Huawei, HiSilicon]: Based on the discussion, this merged into 1458. | Merged to 1458 |
|  |  | [S3‑241271](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241271.zip) | Solution\_Security of multiple hop U2N discovery Model A | Ericsson | pCR | [Huawei, HiSilicon]: wait for the final output of the related KI, or postpone to next meeting.  [Qualcomm]: propose to postpone | Noted |
|  |  | [S3‑241272](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241272.zip) | Solution\_Security of multiple hop U2N discovery Model B | Ericsson | pCR | [Huawei, HiSilicon]: wait for the final output of the related KI, or postpone to next meeting.  [Qualcomm]: propose to postpone | Noted |
|  |  | [S3‑241274](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241274.zip) | Solution\_Security of multiple hop U2N communication | Ericsson | pCR | [Huawei, HiSilicon]: wait for the final output of the related KI, or postpone to next meeting.  [Qualcomm]: propose to postpone | Noted |
| 5.13 | SID on security aspects of AIML enhancements | [S3‑241287](file:///C:\\Users\\surnair\\AppData\\Local\\C:\\Users\\surnair\\AppData\\Local\\C:\\Users\\surnair\\AppData\\Local\\C:\\Users\\surnair\\Documents\\SECURITY%20Grp\\SA3\\SA3%20Meetings\\SA3#115Adhoc-e\\Chair Files\\docs\\S3-241287.zip) | draft\_TR\_33.784- skeleton for AIML security | china mobile | pCR | [Nokia] : propose to add security assumption section.  [CMCC] : reply to Nokia.  [Nokia] : fine with the justification | Approved |
|  |  | [S3‑241290](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241290.zip) | Scope of TR 33.784 | china mobile | pCR |  | Approved |
|  |  | [S3‑241292](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241292.zip) | Overview of TR 33.784 | china mobile | pCR | [Huawei]: revision is needed.  [CMCC]: r1 provided.  [Nokia] : providing comments on r2  [Ericsson]: Provide comments to r1.  [CMCC]: Provide r2  [Ericsson]: Provides r3.  [CMCC]: fine with r3.  [Huawei]: fine with r3, but there is editorial issue could be resolved in the revision or implementation.  [CMCC]: Provide r4 with editorial changes and add co-signer.  [Huawei]: fine with r4.  [Nokia]: fine with r4. | R4 approved |
|  |  | [S3‑241442](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241442.zip) | Security Assumptions | Nokia | pCR | [CMCC] : propose to merge this contribution into S3-241292.  [Nokia] : propose not to merge because both CR points to different section of the TR skeleton.  [Huawei]: don't see the need for this proposal.  [CMCC]: Reply to Nokia and copy all the comments in this email thread.  [Nokia] : as content of this pCR is taken in the overview pCR 1292, I suggest merging this pCR into 1292 and close the discussion on this thread.  [CMCC]: Agree to merge it into 1292. | Merge into 1292 |
|  |  | [S3‑241120](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241120.zip) | New Key Issue on Authorization of AIML Model Retrieval | InterDigital Communications | pCR | [Huawei]: ask for revision before it's approved.  [IDCC]: revision will be provided to address Rong's comment.  [Ericsson]: Ask for more clarifications before it's approved.  [IDCC]: provide clarification and r1.  [vivo]: this contribution is merged into 1221, propose to close discussion here.  [CMCC]: proposed to close this thread and continue discuss in 1293. | Merge into 1293 |
|  |  | [S3‑241178](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241178.zip) | KI on Security on Supporting Direct AIML based Positioning | ZTE Corporation | pCR | [CMCC]: proposed to close this thread and continue discuss in 1293. | Merge into 1293 |
|  |  | [S3‑241184](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241184.zip) | New key issue for Privacy and Authorization on LCS to support Direct AIML based Positioning | vivo | pCR | [Huawei]: propose to merge into 1293.  [vivo]: agree the merge, let's close the E-mail threat here. | Merge into 1293 |
|  |  | [S3‑241293](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241293.zip) | KI on security aspects on enhancements to LCS to support AIML | china mobile | pCR | [CMCC] : propose to use this contribution( S3-241293) as the baseline for positioning.  [OPPO] : agree use 1293 as baseline, provide comment  [Ericsson]: Agree using 1293 as baseline and provide some comments  [Huawei]: fine with using 1293 as basis.  [Nokia]: Agree using 1293 as baseline and provide some comments  [ZTE]: Agree using 1293 as baseline  [IDCC]: Agree to use 1293 as the starting point for the merge.  [Xiaomi]: agrees to use 1293 as the baseline and provides r1.  [Nokia]: assuming this is the merged version so commenting on this and asking for clarification before approval.  [Ericsson]: Comments on 241293.  [CMCC]: reply and provide r2.  [Xiaomi]: request clarification.  [CMCC]: provide clarification  [Xiaomi]: request further clarification  [Ericsson]: Provide comments on r2 and ask to cosign this CR  [Nokia]: required clarification before approval.  [Ericsson]: Add comments to 241293.  [Nokia]: update required before approval (discard my previous email)  [OPPO]: provide comments  [CMCC]: provide r3 and add con-signers.  [Xiaomi]: supports r3.  [Nokia]: support the version.  [ZTE]: fine with R3.  [OPPO]:OPPO is fine with R3. | R3 approved |
|  |  | [S3‑241351](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241351.zip) | Add KI on Security for Direct AI/ML based Positioning | OPPO | pCR | [Huawei]: ask for revision before it goes approval.  [Nokia]: ask for clarification.  [Ericsson]: Ask for clarifications before it is approved or merged.  [OPPO]: Provide clarifications.  [CMCC]: proposed to close this thread and continue discuss in 1293. | Merge into 1293 |
|  |  | [S3‑241468](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241468.zip) | New KI on AI model authorization | Xiaomi communications | pCR | [Huawei]: propose to note rather than merging.  [Nokia]: propose to note rather than merging.  [Ericsson]: Propose to note rather than merging.  [Xiaomi]: is ok with note | Noted |
|  |  | [S3‑241179](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241179.zip) | KI on Authorization of Members of The VFL Group | ZTE Corporation | pCR | [Huawei]: propose to merge into 241221.  [ZTE]: Agree to merge into 241221 and provide clarifications.  [Ericsson]: Ask for revision and updates.  [Huawei]: ask for close this thread, focus on the merged version S3-241221-r1. | Merge into 1221 |
|  |  | [S3‑241185](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241185.zip) | New key issue on authorization of VFL member selection | vivo | pCR | [Huawei]: propose to merge into 241221.  [Nokia]: ask for clarification  [vivo]: agree to use 241221 as baseline and provide clarifications.  [Huawei]: ask for closing the thread and change our discussion to S3-241221. | Merge into 1221 |
|  |  | [S3‑241203](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241203.zip) | Authorization of members of the VFL group. | Nokia | pCR | [Huawei]: propose to merge into 241221.  [Nokia]: agree to merge into 241221 but not agreeing on few aspects of 241221 so that I will comment on the 241221. | Merge into 1221 |
|  |  | [S3‑241221](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241221.zip) | New KI on authorization mechanism of selection of VFL participants in the VFL group, outside the PLMN | Huawei, HiSilicon | pCR | [Nokia]: ask for clarification  [Huawei]: provides answer.  [OPPO]: provide suggestion to revise  [Huawei]: provides r1 and check whether there is further revision is needed.  [vivo]: provides r2.  [Nokia]: commenting on r2 and replying to Huawei to pull the discussion on a single thread.  [OPPO]: R2 request clarification  [vivo]: provide r3.  <CC3>  Rong presents -r4  Huawei: needs minor changes, prefer to keep text from SA2  vivo: -r4 has deleted topology protection, NF instance ID should not send NFID to external AF  Nokia: what is an unauthorized group? Instance ID never exposed directly  Oppo: both revisions are acceptable  DCM: why is NFID related to topology  Huawei: can remove topology protection from here, it is another issue  vivo: if instance IDs are counted, that gives the number of instances.  Xiaomi: does the isntance ID contain address information?  E//: SA2 haven't tdecided  Nokia: NF instance ID is just a UUID v4, no other information in it  vivio: revise to editor's note  DCM: do other operators worry about this?  CMCC: think this may be an issue, make editor's note  </CC3>11  [Ericsson]: Provide r4.  [Nokia]: Provide r5.  [Huawei]: Provides r5.  [Ericsson]: Provide r6.  [Huawei]: Provides r7 by correcting the agenda item to '5.13'.  [vivo]: Provides r8.  [IDCC]: IDCC is fine r8.  [OPPO]: fine with r8.  [NTT DOCOMO]: r8 still seems to have editorial issues. Can be fixed without being seen again.  [Huawei]: Provides r9 to fix the editorial issues.  [Nokia]: propose rewording of the requirement.  [Nokia]: discard below email because I commented on the old thread. I will provide comment on the latest version.  [Nokia]: Nokia is fine with the version.  [OPPO]: OPPO is fine with R9.  [ZTE]: fine with R9. | R9 approved |
|  |  | [S3‑241294](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241294.zip) | KI on Authorization of selection of members in VFL groups | china mobile | pCR | [Huawei]: propose to merge into 241221.  [CMCC]: agree to merge  [Huawei]: ask for closing the thread and change our discussion to S3-241221. | Merge into 1221 |
|  |  | [S3‑241311](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241311.zip) | New KI on authorization of data access for supporting VFL | Huawei, HiSilicon | pCR | [Nokia]: ask for clarification before approval.  [Huawei]: provides clarification.  [OPPO]: ask further clarification.  [vivo]: propose to merge this contribution into 1221.  [Huawei]: Provides comments and suggest to merge 241187 and 241311.  [Ericsson]: Provides comments and suggest to merge 241187 and 241311.  [Huawei]: provides r1 to address the comments.  [Nokia]: ask clarification on r1 before approval  [OPPO]: request clarification  [vivo]: propose to merge this contribution into 1221, and close discussion in this thread. | Merge into 1221 |
|  |  | [S3‑241355](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241355.zip) | Add KI on authorization of selection of participant NWDAF and/or AF in VFL | OPPO | pCR | [Huawei]: propose to merge into 241221.  [OPPP]: agree to merge into 241221 | Merge into 1221 |
|  |  | [S3‑241186](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241186.zip) | New key issue on privacy of VFL data and feature alignment | vivo | pCR | [vivo] : propose to merge this contribution into S3-241312, and close discussion of this E-mail theat. | Merge into 1312 |
|  |  | [S3‑241312](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241312.zip) | New KI on UE ID security and privacy of VFL between VFL members | Huawei, HiSilicon | pCR | [vivo] : propose to merge this contribution into S3-241186, and close discussion of this E-mail theat.  [Huawei]: don't agree using S3-241186 as basis. Prefer to use S3-241312 as basis.  [vivo] : Agree to use 1312 as baseline, and propose comments.  [Nokia] : asking for clarification before approval.  [Huawei]: provide clarification and r1.  [vivo] : provide comments on r1.  [Nokia] : ask for revision.  [Ericsson]: Comments on r1.  [Huawei]: provide r2 to reflect the comments.  [vivo]: provide comments on r2.  [Huawei]: provides r2 to address the comment.  [Ericsson]: Comments to r3.  [Huawei]: ok with update suggested by Ericsson. Provides r4 accordingly.  [IDCC]: Comments to r3.  [IDCC]: Comments to r4.  [Huawei]: Response to Interdigital.  [vivo]: provides wayforward to ask people to agree r3.  [IDCC]: Response to Huawei.  [Ericsson]: Prefer to r3 version after consideration.  [IDCC]: Support r3 version.  [Huawei]: Agree r3 as well.  [Nokia]: support r3 | R3 approved |
|  |  | [S3‑241119](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241119.zip) | New Key Issue on Privacy Protection in VFL Training Data | InterDigital Communications | pCR | [vivo] : propose to merge this contribution into S3-241186 or S3-241187, and close discussion of this E-mail theat.  [IDCC] : Discussion of potential merge of s3-241119 and S3-241186.  [Huawei]: Ask for clarification and revision, otherwise prefer to note.  [Nokia]: ask for clarification before approval  [Ericsson]: Ask for clarification, otherwise prefer to note  [IDCC]: provide clarification and r1.  [vivo]: this contribution is merged into 1312, propose to close discussion here. | Merge into 1312 |
|  |  | [S3‑241123](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241123.zip) | New Key Issue on Secure AIML Data Transfer | InterDigital Communications | pCR | [vivo] : propose to merge this contribution into S3-241187, and close discussion of this E-mail theat.  [IDCC] : Discussion of potential merge of s3-241119 and S3-241187.  [Huawei]: needs clarification and revision before it's approved.  [vivo]: propose to close E-mail discussion and discuss in S3-241187 thread.  [IDCC]: provide clarification and r1.  [vivo]: this contribution is merged into 1187, propose to close discussion here.  [IDCC] : Discussion of potential merge this contribution into S3-241186 with S3-241119.  [Ericsson]: Comments to 241123 and 241119.  [IDCC]: Response to Ericsson.  [Xiaomi]: provides some inputs. | Merge into 1187 |
|  |  | [S3‑241187](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241187.zip) | New key issue on security of VFL training | vivo | pCR | [vivo] : provide r1.  [Nokia] : asking for clarification before approval  [OPPO] : asking for clarification before approval  [vivo] : provide clarification.  [Ericsson] : Comments to 241187.  <CC3>  HuLi presents -r1  IDCC: take this offline  DCM: is this about transfer or during generation?  Oppo: what is the overlap with Huawei contribution  vivo: one is about authorization and one to this, so can be merged; this is about transfer procedure, which ma ybe hop by hop or end to end.  Huawei: 1311 is the paper that could be merged here, except for authorization part, which is covered in different paper  DCM: how does this work with protecting the number of end points in case of end to end?  Vivo: will think about this  </CC3>  [Ericsson]: Provides comments to 241187.  [IDCC] : Okay with r1.  [vivo]: Provides r2.  [Huawei]: fine with r2.  [OPPO]: fine with r2.  [NTT DOCOMO]: request revision.  [vivo]: Provides r3.  [Ericsson]: Comment r3.  [vivo]: Provides r4.  [NTT DOCOMO]: still not ok  [vivo]: Provide clarifications. | NOTED |
|  |  | [S3‑241349](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241349.zip) | Add KI on security for AI/ML model sharing between NWDAF and AF in VFL | OPPO | pCR | [vivo] : propose to merge this contribution into S3-241187, and close discussion of this E-mail theat.  [OPPO] : Not agree with the baseline, and clarification on technical problem  [vivo] : Withdraw merge proposal, since this key issue focus on different part, and provide additional comments.  [Huawei]: Clarification needed before it's approved.  [Nokia]: Clarification needed before approval  [OPPO]: Provide clarification, propose merge 1349 into VFL authorization and close this thread | Merge into 1221 |
|  |  | [S3‑241346](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241346.zip) | Add KI on security for AI/ML model sharing between NWDAF | OPPO | pCR |  |  |
| 5.14 | SID\_EdgeComputing | [S3‑241216](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241216.zip) | Overviw of Edge Computing | Huawei, HiSilicon | pCR | [Nokia]: proposes to merge in S3-241225 and close this thread.  [Huawei] : prefer to revise the S3-241125, and keep S3-241216 as it is. | to be approved |
|  |  | [S3‑241217](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241217.zip) | Skeleton of Edge Computing | Huawei, HiSilicon | pCR | [Nokia]: proposes to remove the classification of KIs based on the WG.  [Huawei] : provide feedback.  [Ericsson]: comments  [Huawei] : propose not to revise.  [Nokia]: leaves the decision on the rapporteur.  [Huawei] : Thanks for the feedback from NOKIA. No changes will be made no this. | to be approved |
|  |  | [S3‑241225](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241225.zip) | Scope of TR 33.749 | China Unicom | pCR | [Ericsson]: it requires a revision before approval  [China Unicom]: provides r1.  [Ericsson]: no objection to r1 | to be approved r1 |
|  |  | [S3‑241368](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241368.zip) | pCR KI Security aspects of the traffic exchanged between local and central part of the DN | Nokia, Nokia Shanghai Bell | pCR | [Huawei] : request clarification.  [Nokia]: provides clarifications  [Huawei] : Provide feedback.  [Ericsson]: requires clarification/revision before approval  [Nokia]: provides clarifications.  [Huawei] : provide comments.  <CC3>  German presents  E//: this communication can be handled on application layer out of 3GPP scope  Huawei: agree, has been studied by S2 already  Nokia: SA2 has not concluded on their KI3, can wait until SA2 progresses on this.  </CC3>  [Huawei] :propose to note this KI in this next meeting. | to be noted. |
|  |  | [S3‑241218](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241218.zip) | EEC provided information verification | Huawei, HiSilicon | pCR | [Huawei] : Provide r1 based on S3-241218, S3-241367, S3-241388, and S3-241409, and use S3-241218 as baseline.  [Nokia]: Objection. The formulation of the KI does not address comprehensively the fourth objective of the SID and neglects a security problem in the use of the IP address.  [Huawei] : provide feedback to NOKIA, and disagree with the objection.  [Nokia]: provides clarification and proposes to continue the discussion in -1367.  [Ericsson]: r1 requires a revision before approval  [Apple]: kindly request some change on 1218r1. Agree to merge 1388, 1367 and 1409 into 1218,  [Huawei] : r2 is provided, and give our feedback.  [Nokia]: provides -r3  [Ericsson]: r2, r3 are not acceptable, provides comments  <CC3>  Bo presents .r3  Xiaomi: does this mean EEC should not use sensitive infomration such as IP address should not be given  Nokia: application server should not be able to deduce the private information, but only at the request, not in all communication  DCM: first requirement is confusing  E//: this is two issues: leftover from previous release, which is IP address being sent, additionally study whether there are additional threats, should be separated; concern about Nokia contribution, missing threat analysis  Apple: 5G system should provide a mechanism to avoid compromising the user privacy  Nokia: have proposed clear threats, not continue with discussion from R18, not analyse piecewise  Huawei: agree with Ferhat, two questions are left, can be separated  Xiaomi: key issue should be reformulated, "IP address should not be used"  DCM: ok with Apples reformulation if clear who (EAS?) is the attacker  E//: authentication and authorization was studied in R17 or R18, because if one party can learn the IP address, then consumption of service is still not possible  Chair: Req HW to summarize discussion and way fwd.  Huawei: two examples of attacks: EEC could send wrong IP information, EAS could use the information to consume services;  E//: copy threats from R18, send proposal in email  Chair: new key issue will be discussed on email  Nokia: disagree with the revision, both part of the same problem, about privacy of user, threat from application server, could not conclude because of KI formulation  E//: this was a security issue in one of the procedure in SA6 architecture, in Rel-18 there were too many solution options so we couldn’t agree on a solution, the reason of having no agreement was not about KI formulation.  </CC3>  [Xiaomi]: request clarification.  [Apple]: provides reformulation of the first requirement according to the discussion in the Wednesday conference call.  [Huawei] : new proposal for the requirements.  [Apple] : fine with Huawei's proposal.  [Nokia]: provides clarifications and -r4.  [Ericsson]: r4 is not ok, provides clarifications and -r5.  [Apple]: r5 is not ok, prefer to use r4.  [Huawei] : provides clarification to NOKIA.  [Huawei] : r6 with two Ens capturing E///.  [Ericsson]: prefers to continue with r5 and separate key issues  [Huawei] : r7 is uploded with three Ens to capture Ericsson's comments.  [Ericsson]: r7 is ok  [Apple]: r7 is ok  [Nokia]: r7 is not OK, provides -r8.  [Huawei] : Huawei can live with r8, and request Ericsson and Apple's confirmation.  [Ericsson]: r8 is not OK, provides -r9. | NOTED. |
|  |  | [S3‑241367](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241367.zip) | pCR KI Secure retrieval of 5G system UE Ids and privacy related information | Nokia, Nokia Shanghai Bell | pCR | [Nokia]: provides -r1  [Ericsson]: original contribution and r1 are not ok  [Nokia]: provides clarifications.  [Apple]: suggest to merge 1367 into 1218, and move the discuss to the thread of 1218. Close the thread here. Otherwise, note this contrition. | to be merged into 1218 |
|  |  | [S3‑241388](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241388.zip) | New key issue on EEC provided IP address verification | Ericsson | pCR | [Nokia]: proposes to merge in S3-241367 -r1.  [Ericsson]: prefers to use 1218 as the baseline and already proposed some updates on it in 1218 email thread  [Apple]: prefers to use 1218 as the baseline and merge 1388 into 1218. Will provide comments in the thread of 1218. | to be merged into 1218 |
|  |  | [S3‑241409](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241409.zip) | Key issue on EEC provided information verification | Samsung | pCR | [Nokia]: proposes to merge in S3-241367 -r1.  [Ericsson]: proposes to merge into 1218, also request a revision before approval if it is not merged  [Apple]: suggest to merge 1409 into 1218, and move the discuss to the thread of 1218. Close the thread here.  [Samsung]: OK to merge with 1218 and move the discussion under 1218 and close this thread. | to be merged into 1218 |
|  |  | [S3‑241345](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241345.zip) | Move Solution#30 from TR33.739 to TR33.749 | Huawei, HiSilicon | pCR | [Nokia]: proposes to note the contribution.  [Ericsson]: it requires clarification and revision before approval  [Huawei] : request Ens to capture all the concerns. | to be noted. |
|  |  | [S3‑241389](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241389.zip) | New key issue on Edge Node Sharing | Ericsson | pCR | [Huawei] : request clarification.  [Nokia]: request clarifications  [Ericsson]: provides clarifications  [Huawei] : comments on the sensive information.  [Nokia]: provides clarifications and still asks for the security issue.  [Ericsson]: ok to note for this meeting | to be noted. |
|  |  | [S3‑241215](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241215.zip) | New KI on authorization of AF outside the operator domain | Huawei, HiSilicon | pCR | [Ericsson]: clarification and/or revision is required before approval  [Nokia]: Clarification is required before approval  [Huawei] : provide clarification on questions of the untrusted AF or Afs in the non-operator domain.  [Xiaomi] : request clarification.  <CC3>  E//: current mechanism also covers this case  Xiaomi: Nef needs to expose some API to untrusted AF  DCM: should always be authorized  Apple: need to give specific requirements on services  Huawei: in R18, MSISDN exposure is only inside the operator domain.  E//:understands the point, can be handled inside NEF  Huawei: how to handle application outside  E//: NEF can decide whether to send MSISDN to external  Apple: SA2 is working on an LS to send MSISDN to outside  </CC3>  [Apple] : kindly request to note this contribution.  [Huawei] : fine to Note. | to be noted. |
| 5.15 | SID on security aspects for Multi-Access | [S3‑241201](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241201.zip) | Draft TR 33.754 skeleton (Multi-Access) | Intel | draft TR | [Ericsson]: Proposes update to the Solutions skeleton  [Nokia]: OK with the skeleton. The impact of the solutions in the system should be part of the evaluation.  [Ericsson]: replies to Nokia regarding EN  [Nokia]: -r1 with the expansion of the EN has been uploaded.  [Intel]: Agreeing with Nokia on including system impact in evaluations. | r1 agreed |
|  |  | [S3‑241204](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241204.zip) | Scope of TR 33.754 | Intel | pCR | [Nokia]: Requires clarifications related to the DualSteer device understanding.  [Huawei]: Revision is needed before approval  [Intel]: uploaded r1 with HW proposed changes  [Huawei]: can live with r1 | r1 agreed |
|  |  | [S3‑241191](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241191.zip) | Update to New SID on security aspects for Multi-Access (DualSteer + ATSSS Ph-4) | NEC Corporation | SID revised | [Ericsson] : provides comments/questions  [Nokia]: Requires clarifications related to the DualSteer device understanding.  [NEC]: Responds to Nokia that the two USIMs are corelated at the UDM and authentication procedures are independent.  [NEC] : responds to Ericsson  [Huawei]: don't understand the issue.  [Nokia]: request clarifications  [NEC]: responds to Huawei.  [Intel]: propose to note for this meeting. Suggesting postponement until SA2 consensus.  [NEC] responds to Intel.  [NEC]: clarifies  [Philips] comments.  [NEC] responds to Philips.  [Huawei] ask for clarification | Noted |
|  |  | [S3‑241205](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241205.zip) | Security Assumptions | Intel, Nokia | pCR | [Huawei]: clarification is needed before approval  [Nokia]: provides clarification, and -r1.  [Qualcomm]: Propose to note  [Intel] Provides further clarification  [Ericsson]: asks for clarification  [Xiaomi] Provides r2 | Noted |
|  |  | [S3‑241318](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241318.zip) | New key issue about security architecture for non-3GPP access | Huawei, HiSilicon | pCR | [Nokia]: Proposes to note the contribution or merge it in -1204 (scope), eventually in -1205  [Qualcomm]: Propose to note or merge this contribution  [Intel]: Merge with S3-241204  [Ericsson]: requires updates  [Xiaomi]: provides some comments.  [Huawei]: could be noted | Merge with S3-241204 |
|  |  | [S3‑241335](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241335.zip) | New assumption all wifi AP used in ATSSS-Lite are untrusted | Huawei, HiSilicon | pCR | [Ericsson]: asks for clarification  [Huawei]: reply to Ericsson  [Nokia]: proposes a compromise text for the assumption.  [Ericsson]: proposes an assumption to be replaced with existing one  [Qualcomm]: questioning the need for the contribution.  <CC3>  Hongyi presents  E//: agree with QC,  Huawei: access should be untrusted  NEC: is this overriding SA2 assumption  Intel: as a compromise, accept E// proposal  Huawei: ok with reformulation  NEC: if we are assuming this in SA3, we should tell SA2  </CC3> | Noted |
|  |  | [S3‑241491](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241491.zip) | KI on IPsec on user plane and/or control plane of untrusted non-3GPP access | Lenovo | pCR | [Huawei]: Revision is needed before approval.  [Lenovo]: provides Revision and clarification.  [Nokia]: proposes to include a further clarification of the KI.  [Lenovo]: provides Revision R2.  [Ericsson]: proposes to note  [Lenovo]: provides clarification to Ericsson  [Qualcomm]: proposes to note  [Lenovo]: provides more clarification | Noted |
|  |  | [S3‑241180](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241180.zip) | KI on Security on simplified ATSSS architecture over non-3GPP access | ZTE Corporation | pCR | [Nokia]: proposes to merge into S3-241204 (Scope)  [ZTE]: Agree to merge into S3-241204 | Merged with S3-241204 |
|  |  | [S3‑241365](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241365.zip) | pCR KI Authentication of UE in Non-3GPP Access | Nokia, Intel | pCR | [Huawei]: propose to merge to S3-241317, or revise is needed before approval.  [Nokia]: provides clarifications.  [Huawei]: provides clarifications.  [Nokia]: provides -r1  [Qualcomm]: propose changes before it is ready for approval  [Intel]: Fine with Ericsson and Qualcomm. Rapporteur Comment  [Xiaomi]: provides some inputs  [Ericsson]: requires minor corrections in r1  [Nokia]: provides -r2  [Nokia]: provides -r3  [Xiaomi]: supports r3  <CC3>  German presents -r3  no comments  </CC3>  [Huawei]: fine with r3  [Qualcomm]: r3 OK | r3 agreed |
|  |  | [S3‑241366](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241366.zip) | pCR KI Confidentiality and integrity protection of the communication between UE and 5GCore in Non-3GPP Access | Nokia, Intel | pCR | <CC3>  German presents  repporteur: reference is pointing to pCR  </CC3> | agreed |
|  |  | [S3‑241317](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241317.zip) | New key issue for authentication of UE for non-3GPP access | Huawei, HiSilicon | pCR | [Ericsson]: proposes to revise and merge with other KI:s on UE auth, using S3-241317 as baseline.  [Ericsson:] would like to withdraw previous comment due to wrong agenda item.  [Ericsson]: would like to withdraw previous comment due to wrong agenda item.  [Nokia]: proposes to merge this contribution into S3-241365 (baseline)  [Huawei]: proposes to use this as basis.  [Nokia]: kindly insists on using S3-241365 as baseline.  [Ericsson]: proposes to add EN to S3-241365 as compromise  [Nokia]: agrees to add the proposed EN. Please continue the discussion in S3-241365.  [Huawei]: agrees to merge to S3-241365. | Merged with S3-241365 |
|  |  | [S3‑241471](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241471.zip) | New KI on authentication between UE and UPF | Xiaomi communications | pCR | [Nokia]: proposes to merge into S3-241365  [Huawei]: we think this can be either revised and approved or merged.  [Nokia]: disagrees on revising this KI, and to split the topic in tiny issues.  [Ericsson]: proposes to merge this into S3-241317  [Nokia]: proposes to merge this into S3-241365  [Thales]: disagrees with requirement related to distribution of security credentials (e.g. the keys).  [Nokia]: provide clarifications and proposes to close this thread.  [Xiaomi]: is ok with merging 1471 into 1365 and proposes to close this thread. | Merged with S3-241365 |
|  |  | [S3‑241472](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241472.zip) | New KI on security method negotiation for UE and UPF | Xiaomi communications | pCR | [Nokia]: proposes to note this contribution.  [Qualcomm]: also proposes to note  [Intel]: Proposes to Note  [Ericsson]: proposes to note | Noted |
|  |  | [S3‑241473](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241473.zip) | New KI on UPF topology hiding | Xiaomi communications | pCR | [Nokia]: OK with the contribution and proposes -r1.  [Qualcomm]: Not OK with r1  [Xiaomi]: supports r1  [Nokia]: supports Xiaomi, and provides clarification.  <CC3>  -1  E//: agree with QC not to have this contribution (comment withdrawn -apply to different contribution)  QC: solutions are outside of 3GPP scope, KI not required  Nokia: new endpoint published to the internet, not neglect KI, if solutions are outside of 3GPP, then discuss that then  Xiaomi: this kind of communication has never happened before, so agree with the key issue  </CC3> | Noted(Check Qualcomm Comment) |
|  |  | [S3‑241492](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241492.zip) | Solution on IPsec on user plane and/or control plane of untrusted non-3GPP access | Lenovo | pCR | [Huawei]: propose to focus on the KI discussion and noted this solution for this meeting.  [Ericsson]: Provides clarification regarding SA2 architectural assumptions to Lenovo.  [Lenovo]: Provides clarification  [Ericsson]: provides clarification to Lenovo  [Lenovo]: provides clarification to Ericsson  [Ericsson]: proposes to note, copy/pasting previous proposal to note with correct Minutes tag  [Lenovo]: replies to Ericsson comment  [Ericsson]: replies to Lenovo | Noted |
| 5.16 | SID on 5GS enhancements for Energy Saving | [S3‑241260](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241260.zip) | Skeleton of TR 33.766 – Energy savings | Nokia. Nokia Shanghai Bell | pCR | [Ericsson]: proposes to add a system impact subclause for each solution  [Nokia]: Accepts proposal and provides revision r1.  [Ericsson]: r1 is ok | R1 Agreed |
|  |  | [S3‑241261](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241261.zip) | Scope of TR 33.766 | Nokia, Nokia Shanghai Bell | pCR | [Ericsson]: some updates are required before approval  [Nokia]: Accepts proposal and provides revision r1.  [Ericsson]: r1 is ok  [Huawei]: Acceptance for R1 | R1 Agreed |
|  |  | [S3‑241451](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241451.zip) | 33.766: Architecture and Security Assumptions | Xiaomi Technology | pCR | [Huawei] : Request for clarification  [Xiaomi]: provide clarification inline below.  [Ericsson]: revision is required before approval  [Huawei]: Revision requested  [Xiaomi]: provide feedback inline [Xiaomi] below and r1.  [Ericsson]: r1 is ok  [Huawei]: Acceptance for R1. | R1 Agreed |
|  |  | [S3‑241262](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241262.zip) | KI Security and privacy aspects of collection energy consumption information | Nokia. Nokia Shanghai Bell | pCR | [Huawei] : Request for clarification before approval  [Nokia] : Provides clarification to questions raised.  [Ericsson]: revision is required before approval  [Huawei]: revision is required before approval  [Nokia]: Provides R1 addressing the comments provided by Huawei and Ericsson.  [Huawei]: Provides R2 more comments. Request for revision before approval.  [Nokia]: Adds question to R2 and provides R3.  [Ericsson]: provides r4.  [Nokia]: Nokia is fine to accept R4.  [Huawei]: Request for revision before approval on R3.  [Nokia]: Addressed comment by Huawei and provides R5 on top of R4.  [Ericsson]: r5 is ok  [Huawei]: Acceptance for R5. | R5 Agreed |
|  |  | [S3‑241263](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241263.zip) | KI Security and privacy aspects of exposure of energy related information | Nokia. Nokia Shanghai Bell | pCR | [Huawei] : Request for clarification before approval  [Nokia] : Provides clarification.  [Ericsson]: revision is required before approval  [Huawei]: request for revision before approval.  [Nokia]: Provides R1 addressing the comments provided by Huawei and Ericsson.  [Nokia]: Asks for clarifications.  [Huawei]: Provides R2 more comments. Request for revision before approval.  [Nokia]: Provides comments to R2.  <CC4>  Bo (Nokia) presents  Huawei: further threats should be FFS, still open to keep this on the privacy impact  DCM: question: from confidentiality from where to where  Nokia: there are still many interfaces being discussed  DCM: add editor's note to say that the end points are up to discussion  E//: this is only for forwarding outside the scope  Nokia: same understanding, is it ok to add ed note to inlcude the other part  Huawei: need to include the trustworthiness  </CC4>  [Huawei]: Provides comments to R2.  [Nokia]: Provides R3 according to comments provided in the meeting.  [Huawei]: Acceptance to R3  [Ericsson]: r3 is ok | Open – Waiting confirmation from Ericsson  R3 approved |
|  |  | [S3‑241206](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241206.zip) | Protection of Energy-Related Information Exposure | Intel | pCR | [Nokia] : Proposes to merge S3-241206 into S3-241263.  [Huawei] : Request for clarification before approval  [Ericsson]: revision is required before approval, proposes to merge into 1263.  [Intel] : Agree to merge S3-241206 into S3-241263. | merged |
|  |  | [S3‑241470](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241470.zip) | New KI on network related energy information exposure authorization | Xiaomi communications | pCR | [Nokia] : Proposes to merge S3-241470 into S3-241263.  [Huawei] : Request for clarification  [Xiaomi] : provides clarification.  [Huawei] : Request revision  [Ericsson]: revision is required before approval, proposes to merge into 1263.  [Xiaomi]: agrees to merge 1470 into 1263.  [Intel] : Agree to merge S3-241206 into S3-241263. | Merged |
| 5.17 | SID on security aspects of 5G NR Femto | [S3‑241188](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241188.zip) | Draft Skeleton of TR 33.745 for Femto | ZTE Corporation, China Mobile | draft TR |  | to be approved |
|  |  | [S3‑241235](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241235.zip) | scope of TR 33.745 | China Mobile | pCR |  | to be approved |
|  |  | [S3‑241237](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241237.zip) | Add terms and abbriviations to TR 33.745 | China Mobile | pCR | [Huawei]: Revision is needed before approval.  [ZTE]: Provide r1  [Huawei]: r1 is fine with us  [CMCC]: Provide r2  [Huawei]: r2 is fine with us  [ZTE]: fine with R2 | R2 to be approved |
|  |  | [S3‑241236](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241236.zip) | Architecture and security assumptions of TR 33.745 | China Mobile | pCR | [Huawei]: propose to noted this one or merge to S3-241332  [CMCC]: Disagree and propose to merge to S3-241236  [ZTE]: Discuss 1236 and 1332 seperately, revision for 1236 is needed  [ZTE]: provide r2  [Huawei]:provide r3  [ZTE]: fine with r3  [CMCC]: fine with r3 | R3 to be approved |
|  |  | [S3‑241332](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241332.zip) | New assumption on try to reuse HeNB scheme as much as possible. | Huawei, HiSilicon | pCR | [ZTE]: Propose to merge this contribution into S3-241236  [Huawei]: cannot be convinced with the reason. Instead, propose to use 1332 as base to merge others.  [ZTE]: Discuss 1332 and 1236 seperately  [ZTE]: comments to 1332  [Huawei]: r1 is provided, kindly request to check  [ZTE]: provide r2  [Huawei]:fine with r2 | R2 to be approved |
|  |  | [S3‑241111](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241111.zip) | pCR on KI for Femto connecting securely with 5G Core | Charter Communications, Inc | pCR | [ZTE]: Propose to merge this contribution into S3-241238  [Charter]: Responds to proposed merger into S3-241238 from ZTE  [Huawei]: Revision is needed before approval, or take care the comments during the merge.  [Charter]: Revision r2 for S3-241111 is provided incorporating suggested changes  [ZTE]: propose 1111 to be the merge baseline and revision is needed  [Charter]: provides a revision r3 for S3-241111 with 1238 and 1251 merged in  [Huawei]: r3 is fine except the EN.  [China Telecom]: provide r5  [Huawei]: fine with r4  [Huawei]: fine with r5  [Charter]: fine with r5  [ZTE]: provide r6 which only changes the KI title based on r5  [Charter]: OK with the changes for the title of KI in r6  [China Telecom]: ok with r6  [CMCC]: ok with r6 | R6 to be approved |
|  |  | [S3‑241238](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241238.zip) | New KI on device authentication to TR 33.745 | China Mobile | pCR | [Huawei]: Revision is needed before approval, and propose to merge into S3-241333 or S3-241251.  [ZTE]: propose to merge in S3-241111 and close the discussion of this thread | merged into 1111 |
|  |  | [S3‑241251](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241251.zip) | New KI on fake 5G NR Femto | China Telecommunications | pCR | [ZTE]: Propose to merge this contribution into S3-241238  [China Telecom] : OK with the proposed merger plan  [Huawei]: this contribution is good to be as basis S3-241251.  [ZTE]: propose to merge in S3-241111 and close the discussion of this thread  [Charter]: provides a revision r3 for S3-241111 with 1238 and 1251 merged in | merged into 1111 |
|  |  | [S3‑241333](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241333.zip) | New key issue on 5G Femto authentication and authorization | Huawei, HiSilicon | pCR | [ZTE]: Propose to merge this contribution into S3-241238  [ZTE]: discuss this contribution seperately and revision is needed  [Huawei]: due to the limit time, this one can be marked to merge into S3-241111 | merged into 1111 |
|  |  | [S3‑241241](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241241.zip) | New KI on protection of backhaul link of TR 33.745 | China Mobile | pCR | [Huawei]: propose to merge to S3-241334.  [ZTE]: propose S3-241241 to be merge baseline and revision is needed  [ZTE]: revision 1 is available  [China Telecom]: provide r2  [CMCC]: provide r3  [Huawei]: propose to delete 'gNB'.  [CMCC]: provide r4 | R4 to be approved |
|  |  | [S3‑241252](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241252.zip) | New KI on protection of traffic between 5G NR Femto and operator’s security domain | China Telecommunications | pCR | [ZTE]: Propose to merge this contribution into S3-241241  [China Telecom] : OK with the proposed merger plan  [Huawei]: propose to merge it into S3-241334.  [ZTE]: propose to merge in S3-241241 and close the discussion of this thread | merged into 1241 |
|  |  | [S3‑241334](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241334.zip) | security of communication between 5G Femto and 5GC | Huawei, HiSilicon | pCR | [ZTE]: Propose to merge this contribution into S3-241241  [ZTE]: propose to merge in S3-241241 and close the discussion of this thread | merged into 1241 |
|  |  | [S3‑241189](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241189.zip) | KI on Security of 5G NR Femto Ownership | ZTE Corporation, China Mobile | pCR | [ZTE]: Provide r1 which is a merger of 1189 and 1249  [China Telecom] : propose to add defining ownership of the 5G NR Femto (or CAG or both) concept  [ZTE] : provide r2  [Huawei]: Provide r3 to make the information more accurate.  [ZTE]: Provide r4  [Huawei]: fine with r4. | R4 to be approved |
|  |  | [S3‑241249](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241249.zip) | New KI on authorization of provisioning of subscribers allowed to access 5G NR Femto cells | China Telecommunications | pCR | [ZTE]: Propose to merge this contribution into S3-241189  [China Telecom] : OK with the proposed merger plan | merged into 1189 |
|  |  | [S3‑241110](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241110.zip) | pCR on KI for 5GS Core network topology hiding from 5G Femto deployments | Charter Communications, Inc | pCR | [Huawei]: propose to merge into S3-241334, or revise it before approval.  [Charter]: Responds to proposed merge into S3-241334, or revise it before approval.  [Huawei]: propose to noted for this meeting, or merge to other contribution  [Charter]: OK to note for this meeting, will bring it back RAN3 and SA2 architecture is finalized | no agreement, to be noted |
|  |  | [S3‑241239](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241239.zip) | New KI on location security of TR 33.745 | China Mobile | pCR | [Huawei]: Discussion is needed before approval  [CMCC]: Provide revision  [Qualcomm]: More clarification is need before approval  [CMCC]: Provide clarification and draft revision  <CC4>  Xiaoyang (CISA ECD) presents r1  Huawei: ok  DCM: what is the difference to 4G and 4G, and why not copy?  CISA: if securit gateway is there, that may be better palce to verify location  E//: only verify location or also lock location (GPS lock)? What will verification lead to?  Nokia: location locking was there before, maybe there are other requierements that could also be added here?  </CC4>  [Qualcomm]: r1 OK  [Huawei]: r1 is fine with us | R1 to be approved |
|  |  | [S3‑241240](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241240.zip) | New KI on access contol to TR 33.745 | China Mobile | pCR | [Huawei]: Revision is needed before approval  [CMCC]: Provide revision  [Qualcomm]: More justification on overlap with SA2 work is needed before approval  [CMCC]: Provide comments and revision r1  [CMCC]: Provide r2  [Huawei]: fine with r2  [Qualcomm]: OK with r2 | R2 to be approved |
|  |  | [S3‑241242](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241242.zip) | New KI on hosting party authentication to TR 33.745 | China Mobile | pCR | [Huawei]: Discussion is needed before approval  [CMCC]: Provide comments  [Qualcomm]: Considering the extra provided comments  <CC4>  QC: ok with this, shouldn#t there be a definition of hosting party authentication  CISA: already defined in other pCR in terms and definition section  QC: should add this in the document where it is used  Chair who is hosting party  CISA: the party who hosts the femto, could be lead user of the hosting party, who can use the USIM card  Thales: why may this be optional in 5G, while it is mandatory in 4G, why is that?  </CC4>  [Thales]: is fine with the proposed requirement.  [Qualcomm]: Ok with the contribution  [Huawei]: fine with the contribution | to be approved |
|  |  | [S3‑241410](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241410.zip) | Key issue on broadcasting manipulated CAG IDs by the malicious Femto devices | Samsung | pCR | [Huawei]: revision is needed before approval  [Samsung]: Provides clarification to Huawei  [Qualcomm]: Requires further clarification before approval  [Samsung]: Provides clarification to Qualcomm  <CC4>  Samsung: waiting for response  QC: there are other ways of doing this, this contribution says the issue is more serious, but need more time, keep open for now, maybe later  Huawei: this discussion happen in R16, also happens in NPN case, not clear it is more serious, not clear what is new here, need more justification  Chair: so what is missing is what is new in this femto case  QC: need more time  </CC4>  [Qualcomm]: proposes to note the contribution | no agreement, to be noted |
|  |  | [S3‑241243](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241243.zip) | Fill out Gap analysis table of TR 33.745 | China Mobile | pCR | [Huawei]: propose to noted.  [CMCC]: provide comments.  [Nokia]: Supports the contribution and like to co-sign.  [Huawei]:replies to Nokia  [Ericsson] : comment, proposal  [Qualcomm]: Propose to note  [CMCC]: Propose an LS to RAN3/SA2  <CC4>  Hua (CMCC) presents  Nokia: good to fill out the table, it will provide a good summary of gap analysis  E//: continue filling the table for things that don't depend on backhaul architecture, both table and LS can be done in parallel.  Huawei: different interpretation of the table, HW point of view this is after the analysis, while Nokia thinks is the start  E//: as architecture is not know for 5G NR femto, but this needs to taken into account, fill out this table as much as possible, E.g. what happens when home GW is removed?  DCM: can we continue working on this outside?  E//: physical and some other aspects can be taken  Nokia: these things can be taken from 4G femto, revisit table before studies is over  Huawei: column "partially" needs to say what can be reused  Chair: is there an LS proposal  Huawei: is ok, can be discussed over email  ZTE: can delete some lines  Huawei: helpful, but need to be clear what is behind it, there is already the assumption to reuse some things, some parts are acceptable  Chair: LS should be very specific to our assumptions12  </CC4>  [CMCC]: Provide draft LS  [CMCC]: Provide draft\_S3-241243-r1  [ZTE] : Please check position. This doc needs final position from Huawei, Ericsson, Qualcomm and Nokia  [Huawei] : Request a meeting cycle to consider the use of the table. | no agreement, to be noted |
| 5.18 | SID on security aspects of 5G Mobile Metaverse services | [S3‑241422](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241422.zip) | Skeleton for TR 33.721 | Samsung | draft TR |  | **To be Approved** |
|  |  | [S3‑241413](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241413.zip) | Scope for TR 33.721 | Samsung, OPPO | pCR | [Ericsson]: requests for clarifications, proposes changes.  [Nokia]: proposes changes.  [Samsung]: Provides clarification and r1  [Ericsson]: proposes changes  [Samsung]: provides r2  [Samsung]: provides r3 with suggested changes from Ericsson  [Nokia]: fine with r3 | **r3 to be approved** |
|  |  | [S3‑241452](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241452.zip) | 33.721: Terms | Xiaomi Technology | pCR | [Huawei, HiSilicon]: propose to not add the term about digital id.  [Xiaomi]: provides clarification and raises question  [Samsung]: Comments and suggests a wayforward to send an LS to SA1 and SA6  [Ericsson]: requests for clarifications, proposes to note the document for this meeting.  [Huawei, HiSilicon]: Fine with potential LS. Digital ID = Digital Asset ID make sense.  [Xiaomi]: provides r1 and supports sending LS  [Samsung]: Based on the discussion in this thread and 1414, we propose to send an LS to SA1 and SA6 to get the clarification on digital id  [Lenovo]: using Digital Identity is fine as in TS 22.156.  Provides additional clarifications.  [Huawei, HiSilicon]: Similar to 1453, propose to remote the EN.  [Xiaomi]: provides r2  <CC4>  Lenovo: even though this digital asset identifier is defined here,  Samsung: propose to attach the contribution which defines digital asset identifier.  </CC4> | **r2 to be approved** |
|  |  | [S3‑241174](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241174.zip) | Security assumptions for Study on security aspects of 5G Mobile Metaverse services | ZTE Corporation | pCR | [Samsung] : Suggests to merge S3-241174 into S3-241453  [ZTE] : Fine to merge S3-241174 into S3-241453. | merged into 1453 |
|  |  | [S3‑241453](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241453.zip) | 33.721: Security Assumptions | Xiaomi Technology | pCR | [Samsung] : Suggests to merge S3-241174 into S3-241453 with 1453 as baseline  [Xiaomi]: provides r1 of 1453  [Huawei, HiSilicon]: provides comments regarding r1.  [Xiaomi]: provides clarification  [Ericsson]: Changes are required before approval.  [Nokia]: Provide comments on r1.  [Xiaomi]: provides feedback and r2  [Huawei, HiSilicon]: replies to Xiaomi and comments to r2.  [Xiaomi]: provides response and r3  [Huawei, HiSilicon]: fine with r3.  [ZTE]: fine with r3 | **r3 to be approved** |
|  |  | [S3‑241175](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241175.zip) | New Key Issue on privacy protection of user sensitive information | ZTE Corporation | pCR | [Samsung] : Suggests to merge S3-241175, S3-241202 into S3-241456 (baseline)  [ZTE]: Fine to merge S3-241175 into S3-241456 | merged into 1456 |
|  |  | [S3‑241202](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241202.zip) | Key issue on Security aspects of exposure of user-sensitive information | IIT Delhi, IIT Bhilai, Nokia, Nokia Shanghai Bell, IIT Bombay, IIT Jodhpur, DoT | pCR | [Samsung] : Suggests to merge S3-241175, S3-241202 into S3-241456 (baseline) | merged into 1456 |
|  |  | [S3‑241456](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241456.zip) | 33.721: Key Issue on Privacy of User Sensitive Information | Xiaomi Technology | pCR | [Samsung] : Suggests to merge S3-241175, S3-241202 into S3-241456 (baseline)  [Huawei, HiSilicon]: provides comments based on the merger plan.  [Xiaomi]: provides r1  [Nokia]: Ask clarification on r1  [Ericsson]: Requests for clarifications before approval.  [Xiaomi]: provides r2  [ZTE]: Provide comments  [Xiaomi]: provides r3  <CC4>  E//: because of mobile metaverse has not moved a lot, unclear what is the sensitive data  DCM: it is not only user sensitive data, but also other processed data about the surrounding in XR, for example  </CC4>  [ZTE]: fine with r3  [Nokia]: fine with r3  [Huawei, HiSiliocn]: fine with r3.  [Ericsson]: proposes to note or add ENs  [Xiaomi]: provides r4  [Xiaomi]: provides r5 | **r5 to be approved** |
|  |  | [S3‑241200](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241200.zip) | Key issue on Authentication and Authorization of Digital Identity | IIT Delhi, IIT Bhilai, Nokia, Nokia Shanghai Bell, IIT Bombay, IIT Jodhpur, DoT | pCR | [Samsung]: 1200 is merged into 1414. this thread is closed | To be Noted |
|  |  | [S3‑241214](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241214.zip) | new key issue on security of digital asset management | Nokia, Nokia Shanghai Bell | pCR | [NTT DOCOMO]:requires revision  [Nokia]: provide clarification and r1  [NTT DOCOMO]: more rewording is required  [Ericsson]: requests for clarifications  [Nokia]: fine to postpone the KI | To be Noted |
|  |  | [S3‑241229](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241229.zip) | New Key issue on digital identity authentication and authorization | China Mobile | pCR | [Samsung]: 1229 is merged into 1414. this thread is closed | To be Noted |
|  |  | [S3‑241414](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241414.zip) | Key issue on Digital ID/Avatar ID Authentication and Authorization | Samsung | pCR | [Samsung] : Suggests to merge S3-241200, S3-241229, S3-241214 and S3-241454 into S3-241414 (baseline)  [Huawei, HiSilicon] : provides comments to r1.  [Samsung] : Provides r2 based on the comments received from Huawei  [CMCC] : provides comments to r2.  [Samsung] : Provides clarification  [Philips] : Provides feedback and asks for clarifications.  [Xiaomi]: Provides comments on r2 for further revision  [Nokia]: Provide comments on r2, provide r3, and suggest to separate 1214  [Nokia]: Provide r4, and suggest to separate 1214  [Ericsson]: requests for clarification before approval.  [NTT DOCOMO]: requires major revision, propose to note for this meeting and come back with a discussion for next meeting  [Samsung]: Based on the discussion we propose to send an LS to SA1 and SA6 to get the clarification on digital id  [Samsung]: To continue the discussion provides r5  [Lenovo]: Asks clarifications.  [Samsung]: Propose to Note it for this meeting | To be Noted |
|  |  | [S3‑241454](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241454.zip) | 33.721: Key Issue on Authentication and Authorization of Digital Asset | Xiaomi Technology | pCR | [Samsung]: 1454 is merged into 1414. this thread is closed | To be Noted |
|  |  | [S3‑241455](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241455.zip) | 33.721: Key Issue on Authorization supporting Mobile Metaverse Services | Xiaomi Technology | pCR | [Huawei, HiSilicon]: propose to revise the first security requirement.  [Xiaomi]: question for clarification before providing revision  [Nokia]: ask clarification.  [Ericsson]: expresses concerns about this document, proposes to postpone the document.  [Xiaomi]: provides feedback and r1  [Nokia]: provides comments and change proposal on r1  [Huawei, HiSilicon]: agrees with Nokia.  [Xiaomi]: provides feedback and asks questions for clarification before providing further revision  [Nokia]: Clarify the question and provide change proposal  [Xiaomi]: provides r2  <CC4>  E//: if we are still unclear about the data model, then KI is a bit early.  Xiaomi: this is only focussing on spatial maps now.  </CC4>  [Nokia]: fine with r2  [Huawei, HiSilicon]: fine with r2  [Ericsson]: proposes to note or proposes changes  [Xiaomi]: provides r3 | **r3 to be approved** |
| ‍ |  | S3-241497 | LS |  |  | <CC4>  Rohini presents -r8  DCM: seems ok  Huawei: afraid may get conflicting answers from SA1 and SA6, so divide up, CC SA2 and SA4?  E//: similar view as DCM and Huawei, lack of data model, and unclarity of concepts, problem that all groups are involved working on parts of the data model, the use cases for NG-RTC study and this study work of requirements of one SA1 TS  Chair: more clarifications are needed  Xiaomi: as least SA2 asks for copy, about SA4, they already have asked  Apple: can put the questions to both groups  DCM: ask E// to add sentence about unclarity and data model, separation ok but not most urgent.  </CC4>  [Samsung]: Based on the discussion under 1452 and 1414, we propose to send an LS to SA1 and SA6 to get the clarification on digital id  [Xiaomi]: provides r2  [Samsung]: provides r3 {https://www.3gpp.org/ftp/TSG\_SA/WG3\_Security/TSGS3\_115Adhoc-e/Inbox/Drafts/draft\_S3-241497-LS\_clarification\_on%20def\_digital-Id-r3.docx}  [Xiaomi]: fine with r3  [Philips] Asks for clarifications before approval.  [Samsung] Provides clarification.  [Nokia] Support LS and provide comments.  [Philips]: provides feedback.  [NTT DOCOMO]: provides -r4  [Huawei, HiSilicon]: provides comments to r3/4.  [Xiaomi]: provides feedback  [Apple]: support r4.  [Nokia]: fine with r9  [Xiaomi]: fine with r10  [NTT DOCOMO]: fine with r10  [Huawei, HiSilicon]: can live with r10.  [Nokia]: fine with r10 | **R10 to be approved** |
|  |  | [S3‑241412](file:///C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\AppData\Local\C:\Users\surnair\Documents\SECURITY%20Grp\SA3\SA3%20Meetings\SA3%23115Adhoc-e\Chair%20Files\docs\S3-241412.zip) | Skeleton for TR 33.721 | Samsung | pCR |  |  |