**SA3#119Adhoc-e Chair Notes**

| **Agenda**  | **Topic**  | **TDoc** | **Title**  | **Source**  | **Type**  | **For**  | **Notes**  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1  | Agenda and Meeting Objectives  | S3‑250001 | Agenda  | SA WG3 Chair  | agenda  |    |    |
|    |    | S3‑250002 | Process for SA3#119AdHoc-e  | SA WG3 Chair  | other  |    |    |
|    |    | S3‑250003 | Detailed agenda planning  | SA WG3 Chair  | other  |    |    |
| 3.1  | Reports and Liaisons related to topics in agenda  | S3‑250004 | LS on security aspects of Ambient IoT  | S2-2411049  | LS in  |    |    |
|    |    | S3‑250005 | LS on RAN2 outcome of Ambient IoT study  | R2-2411263  | LS in  |    |    |
|    |    | S3‑250006 | Reply to LS on Further Clarification for Ambient IoT Security  | S1-244920  | LS in  |    |    |
|    |    | S3‑250007 | LS on A-IoT Conclusions in SA WG2  | S2-2413035  | LS in  |    |    |
|    |    | S3‑250009 | Reply LS on clarifications on consent management  | SP-241934  | LS in  |    |    |
|    |    | S3‑250043 | Reply LS on security aspects of Ambient IoT  | OPPO  | LS out  | Approval  |    |
|    |    | S3‑250071 | LS reply to LS on security aspects of Ambient IoT  | Nokia  | LS out  | Approval  |   [OPPO]: propose[OPPO]: propose to discuss in thread of S3-250041 and capture the agreed conclusion in replay LS[Ericsson]: Agrees with OPPO. Let us wait until KI#3 is concluded. |
|    |    | S3‑250130 | LS on User Consent aspects for Energy Saving  | Ericsson  | LS out  | Approval  |   [Nokia]: Provides comments.[Huawei]: comments to 250130 |
| 5.2  | Study on the security support for the Next Generation Real Time Communication services phase 2  | S3‑250155 | Update KI#1: Third party specific user identities to include NEF-AF interface security  | Ericsson  | other  | Approval  |   [Huawei]: propose to be noted[Ericsson]: provides comments and requests for clarification |
|    |    | S3‑250131 | Solution#5 update for alignment with SA2 and addressing EN  | HUAWEI TECHNOLOGIES Co. Ltd.  | pCR  | Approval  |   [Nokia]: ask clarification[Ericsson]: Requests for clarifications before approval. |
|    |    | S3‑250089 | Updates to solution#6  | Samsung  | other  | Approval  |   [Nokia]: Comments on the contribution[Ericsson]: Requests for clarifications before approval.[Huawei]: Requests for clarification[Samsung]: Provides comments and r1.[Qualcomm]: Changes needed before approval[Qualcomm]: Further clarification |
|    |    | S3‑250090 | Evaluation updates for solution#6  | Samsung  | other  | Approval  |   [Nokia]: Comments on the contribution[Ericsson]: proposes changes.[Huawei]: Requests for clarification[Samsung]: provides comments and r1. |
|    |    | S3‑250091 | Conclusion for Key issue#2  | Samsung  | other  | Approval  |   [Ericsson]: Proposes a merger of this document (0091) and 0132 to 0154 (baseline).[Samsung]: agrees to merge this contribution into 0154. |
|    |    | S3‑250132 | Conclusion to KI#2 of NG\_RTC  | HUAWEI TECHNOLOGIES Co. Ltd.  | pCR  | Approval  |   [Huawei]: Propose to merge 0091 and 0154 into S3-250132.[Ericsson]: proposes to merge this document and 0091 to 0154.[Huawei]: provide merged version and clarification.[Qualcomm]: Clarifications/changes need before approval[Ericsson]: Proposes to upload the revisions to the Inbox/Drafts |
|    |    | S3‑250154 | Conclusion for KI2 IMS based Avatar Communication  | Nokia, Nokia Shanghai Bell  | other  | Approval  |   [Ericsson]: Proposes that this document is the baseline for merger of 0091, 0132 and 0154.[Qualcomm]: Think Ericsson proposal could work as a way forward |
|    |    | S3‑250133 | Conclusion to KI#3 of NG\_RTC  | HUAWEI TECHNOLOGIES Co. Ltd.  | pCR  | Approval  |   [Ericsson]: comments on the document.[Huawei]: support Ericsson's opinion |
|    |    | S3‑250157 | Conclusion for KI3 IMS DC capability exposure  | Nokia, Nokia Shanghai Bell  | other  | Approval  |   [Nokia]: Baseline for merger of S3-250133 and S3-250157[Ericsson]: Comments on the document and merging[Huawei]: support Ericsson's first option. |
|    |    | S3‑250156 | LS on IMS support for AF authorization  | Ericsson  | LS out  | Approval  |   [Nokia]: Support the LS with comments[Ericsson]: requests for clarifications for producing a revision.[Nokia]: Provide clarification. |
| 5.9  | Study on security Aspect of Ambient IoT Services in 5G  | S3‑250047 | Generic conclusion on AIoT  | Huawei, HiSilicon  | pCR  | Approval  |   [Deutsche Telekom] : {Question for clarification}[Huawei]: provides clarification on the optionality issue[Deutsche Telekom] : highlights that optionality may result in no testcase for a well-defined use case[Huawei]: Provides minor clarification on SCAS tests[Deutsche Telekom] : thanks the quick additional clarifications and agrees on proposed way forward[Sony] : Provides r1.[KPN]: Disagrees with second bullet of conclusion and provides alternate suggestion.[Huawei]: Fine with the alternative formulation but highlights importance that intention is to reach a compromise and does not compromise security[Huawei]: provides r2 on top of r1 merging S3-250047, S3-250061, S3-250066 (pending Nokia confirmation) and S3-250159[Nokia]: Provides comments to R2.[Qualcomm]: proposes further changes before approval[Nokia]: Provides answers to Qualcomm.[Deutsche Telekom]: asks clarification on 'optional deployment', proposes changes.[Ericsson]: Comments. And Requires changes before approval.[Huawei]: provides r3 and leaves the requirement on optionality of support open for discussion during the call. |
|    |    | S3‑250061 | pCR to TR33.713 Generic conclusion  | CATT  | pCR  | Approval  |    |
|    |    | S3‑250066 | Proposal for a conclusion  | Nokia  | pCR  | Approval  |    |
|    |    | S3‑250083 | Pseudo-CR-General conclusion for the architecture of AIoT  | China mobile  | pCR  |    |   [Qualcomm]: asks clarifications and revisions before approval[China Mobile]: Provide clarification[Thales]: provides comments.[China Mobile]: Provide more clarification |
|    |    | S3‑250084 | Pseudo-CR-System architecture and security assumptions for AIoT services  | China mobile  | pCR  |    |   [Qualcomm]: asks clarifications and revisions before approval[China Mobile]: Provide clarification[Thales]: provides comments. |
|    |    | S3‑250159 | Generic conclusion for AIoT  | Qualcomm Incorporated  | pCR  | Approval  |    |
|    |    | S3‑250028 | Update the scope in TR 33.713  | ZTE Corporation  | pCR  | Approval  |   [vivo]: proposes a further change before approval[Nokia]: Request changes.[ZTE] : Provide R1[vivo]: r1 OK. |
|    |    | S3‑250058 | Conclusion on KI#5 AIoT Authentication  | OPPO  | pCR  | Approval  |   [OPPO] : {Merged KI#5 conclusion contributions}OPPO announces the merge and close the discussion on other merged documents' threads: S3-250045, S3-250033, S3-250074, and S3-250111.Discussion and drafting is to be continued on the baseline S3-250058 document thread.Draft\_S3-250058-r1 can be found in the draft folder.[Sony] : Provides r2.[OPPO] : Accepts R2.[Qualcomm]: proposes further changes before approval (Provide r3)[Xiaomi]: proposes comments on r3[vivo]: proposes further changes before approval (Provide r4)[vivo]: Provides r5[oppo]: Provides r6 for 250058[Ericsson]: Gives comments. Disagrees with a few points and provides revision-7.[Nokia]: Provides comments and new revision - R8 |
|    |    | S3‑250045 | Discussion paper on the conclusion on key issue#5  | Huawei, HiSilicon  | pCR  | Approval  |   [Deutsche Telekom] : {Question for clarification}[OPPO] : {suggest to close this threats and continue the discussion on merged baseline S3-250058}Discussion and drafting is to be continued on the merged baseline document S3-250058 thread. |
|    |    | S3‑250033 | Conclusion for KI#5  | ZTE Corporation  | pCR  | Approval  |   [OPPO] : {suggest to close this threats and continue the discussion on merged baseline S3-250058}Discussion and drafting is to be continued on the baseline document S3-250058 thread.[ZTE] : OK to merge and discuss under S3-250058 |
|    |    | S3‑250012 | KI#5, Conclusions  | Sony  | pCR  | Approval  |   [vivo] : {provide wayforward}[Sony] : comments on the wayforward |
|    |    | S3‑250016 | Conclusion to key issue#5  | Lenovo  | pCR  | Approval  |   [vivo] : {provide wayforward}[Lenovo]: provide clarifications[Qualcomm]: asks clarifications and/or revisions before approval[Lenovo]: provides clarification and proposes that 0016 can be considered merged into 0058. |
|    |    | S3‑250074 | pCR to TR33.713 Conclusion#5  | CATT  | pCR  | Approval  |   [Deutsche Telekom] : {Question for clarification}[OPPO] : {suggest to close this threats and continue the discussion on merged baseline S3-250058}Discussion and drafting is to be continued on the baseline document S3-250058 thread.[CATT] : We are ok with the merger plan. Therefore, this thread has been closed and further discussion will be moved to the S3-250058 thread. |
|    |    | S3‑250111 | Conclusion for KI#5 in TR 33.713  | Beijing Xiaomi Mobile Software  | pCR  | Approval  |   [OPPO] : {suggest to close this threats and continue the discussion on merged baseline S3-250058}Discussion and drafting is to be continued on the baseline document S3-250058 thread.[Philips] Closing S3-250111 thread as it is getting merged into S3-250058.[Xiaomi] Closing S3-250111 thread as it is getting merged into S3-250058. |
|    |    | S3‑250127 | KI#5 conclusions  | Philips International B.V.  | pCR  | Approval  |   [vivo] : {provide wayforward}[Philips] Closing S3-250127 thread as it is getting merged into S3-250058. |
|    |    | S3‑250139 | Conclusion for Key Issue#5 AIoT Authentication  | vivo  | pCR  | Approval  |   [OPPO]: propose to NOTE for this meeting.[vivo]: provide clarification.[Thales]: provides comments. |
|    |    | S3‑250046 | conclusion on key issue#4  | Huawei, HiSilicon, OPPO, China Unicom  | pCR  | Approval  |   [Xiaomi]: provide clarification and fine with r2[Huawei]: fine with r2[Qualcomm]: proposes a change before approval |
|    |    | S3‑250015 | Conclusion to key issue#4  | Lenovo  | pCR  | Approval  |   [Huawei]: Propose to merge the contribution into S3-250046 and use S3-250046 as baseline.[Lenovo]: agrees to merge the contribution into S3-250046 and use S3-250046 as baseline. |
|    |    | S3‑250032 | Conclusion for KI#4  | ZTE Corporation  | pCR  | Approval  |   [Huawei]: Propose to merge the contribution into S3-250046 and use S3-250046 as baseline.[ZTE] : OK to merge and discuss under S3-250046 |
|    |    | S3‑250073 | pCR to TR33.713 Conclusion#4  | CATT  | pCR  | Approval  |   [Huawei]: Propose to merge the contribution into S3-250046 and use S3-250046 as baseline.[CATT] : We are ok with the merger plan. Therefore, this thread has been closed and further discussion will be moved to the S3-250046 thread. |
|    |    | S3‑250110 | Conclusion for KI#4 in TR 33.713  | Beijing Xiaomi Mobile Software  | pCR  | Approval  |   [Huawei]: Propose to merge the contribution into S3-250046 and use S3-250046 as baseline.[Xiaomi]: Closing S3-250110 thread as it is getting merged into S3-250046. |
|    |    | S3‑250126 | KI#4 conclusions  | Philips International B.V.  | pCR  | Approval  |    |
|    |    | S3‑250138 | Conclusion for Key Issue#4 Information Protection  | vivo  | pCR  | Approval  |   [Qualcomm]: asks clarifications before approval[OPPO]: asks clarifications before approval |
|    |    | S3‑250041 | Conclusion on AIOT KI#3  | OPPO  | pCR  | Approval  |   [OPPO]: Provide revision 2.[OPPO]: Provide revision 3.[Philips] provides clarification and r4[Ericsson]: Requires modification before approval.[Philips] provides r5[OPPO]: Reply to Ericsson and seek clarification. Provides comments to R4 by Philips.[Qualcomm]: provides r6 (that contains proposed changes) before approval[Sony]: provides r7[Ericsson]: comments. Disagrees with making the mechanism optional. Provides revision 8.[Nokia]: provides r8[Nokia]: provides r9 ontop of R7[Sony]: Disagree with r8 and provides r10[Xiaomi]: disagree with r10[Lenovo]: agrees with r10, provides clarifications[Ericsson]: disagrees with r10. |
|    |    | S3‑250011 | KI#3, Conclusions  | Sony  | pCR  | Approval  |   [OPPO]: Propose to merge the contribution into S3-250041.[Sony] : We are ok with the merger plan. Therefore, this thread is closed and further discussion will be moved to the S3-250041 thread. |
|    |    | S3‑250014 | Conclusion to key issue#3  | Lenovo  | pCR  | Approval  |   [OPPO]: Propose to merge the contribution into S3-250041.[Lenovo]: Agrees to merge the contribution into S3-250041. |
|    |    | S3‑250031 | Conclusion for KI#3  | ZTE Corporation  | pCR  | Approval  |   [OPPO]: Propose to merge the contribution into S3-250041.[ZTE] : OK to merge and discuss under S3-250041 |
|    |    | S3‑250072 | pCR to TR33.713 Conclusion#3  | CATT  | pCR  | Approval  |   [OPPO]: Propose to merge the contribution into S3-250041.[CATT] : We are ok with the merger plan. Therefore, this thread is closed and further discussion will be moved to the S3-250041 thread. |
|    |    | S3‑250125 | KI#3 conclusions  | Philips International B.V.  | pCR  | Approval  |   [OPPO]: Propose to merge the contribution into S3-250041.[Philips]: Agree to merge the contribution into S3-250041. |
|    |    | S3‑250075 | Conclusion for KI#2 in TR 33.713  | OPPO, Xiaomi  | pCR  | Approval  |   [OPPO]: provide revision 1[vivo]: r1 is OK.[Sony]: Suggests update to r1.[Nokia]: Nokia supports the proposal by Sony and provides R2 reflecting this change. |
|    |    | S3‑250030 | Conclusion for KI#2  | ZTE Corporation  | pCR  | Approval  |   [OPPO]: Propose to merge S3-250030 into S3-250075[ZTE] : OK to merge and discuss under S3-250075 |
|    |    | S3‑250140 | Conclusion to KI#1  | OPPO  | pCR  | Approval  |   [Nokia] : Proposes to merge into S3-250013.[Ericsson]: Requires modification before approval. |
|    |    | S3‑250013 | Conclusion to key issue#1  | Lenovo  | pCR  | Approval  |   [Deutsche Telekom] : {Question for clarification}[Lenovo] : provides clarification[Deutsche Telekom] : Thanks for the clarification[ZTE] : propose to merge[Lenovo] : provides additional clarification |
|    |    | S3‑250029 | Conclusion for KI#1  | ZTE Corporation  | pCR  | Approval  |   [Nokia] : Proposes to merge into S3-250013.[Ericsson]: Requires modification before approval.[Ericsson]: correct previous comment and proposes to merge with 0013 |
|    |    | S3‑250122 | KI#1 update: Addressing EN  | Philips International B.V.  | pCR  | Approval  |    |
|    |    | S3‑250026 | Update the KI#2 in TR 33.713  | ZTE Corporation  | pCR  | Approval  |    |
|    |    | S3‑250042 | Update AIOT KI#3  | OPPO  | pCR  | Approval  |   [Qualcomm]: asks a clarification and revision before approval[OPPO]: provide clarification |
|    |    | S3‑250027 | Update the KI#3 in TR 33.713  | ZTE Corporation  | pCR  | Approval  |    |
|    |    | S3‑250123 | KI#3 update: Addressing ENs  | Philips International B.V.  | pCR  | Approval  |   [Qualcomm]: proposes a revision before approval.[Philips] provides clarification |
|    |    | S3‑250124 | KI#4 update: Addressing ENs  | Philips International B.V.  | pCR  | Approval  |   [Qualcomm]: proposes a revision before approval.[Philips]: provides clarification |
|    |    | S3‑250134 | Update on Key Issue#6  | vivo  | pCR  | Approval  |   [Huawei]: asks revision before approval and proposes to remove the requirement.[Qualcomm]: asks a revision before approval. |
|    |    | S3‑250024 | Resolving ENs in sol#6 in TR 33.713  | ZTE Corporation  | pCR  | Approval  |    |
|    |    | S3‑250025 | Evaluation for solution 6  | ZTE Corporation  | pCR  | Approval  |   [Thales]: proposes change[ZTE] : Provide R1 |
|    |    | S3‑250044 | addressing the editor's note in solution#4  | Huawei, HiSilicon  | pCR  | Approval  |    |
|    |    | S3‑250054 | Adding evaluation for solution#3  | Apple  | pCR  |    |   [OPPO]: Suggest changes. |
|    |    | S3‑250055 | Update solution#8  | Apple  | pCR  |    |   [Thales]: proposes change |
|    |    | S3‑250056 | Update solution#28  | Apple  | pCR  |    |   [OPPO]: Suggests revision. |
|    |    | S3‑250057 | Update solution#31  | Apple  | pCR  |    |    |
|    |    | S3‑250059 | pCR to TR33.713 Update solution#9 to remove EN  | CATT  | pCR  | Approval  |   [Thales]: proposes change[CATT]: Thales' comment is addressed in r1. |
|    |    | S3‑250067 | Proposal for a resolution to an EN concerning counter synchronisation  | Nokia  | pCR  | Approval  |    |
|    |    | S3‑250068 | Proposal for a resolution of an EN concerning alignment with RAN specifications  | Nokia  | pCR  | Approval  |    |
|    |    | S3‑250069 | Proposal for a resolution to an EN concerning device constrains  | Nokia  | pCR  | Approval  |   [Thales]: proposes change[Nokia]: Propose R1 and requests clarifications.[Qualcomm]: proposes a further change before approval |
|    |    | S3‑250070 | Proposal for a resolution to an EN concerning key identification  | Nokia  | pCR  | Approval  |    |
|    |    | S3‑250076 | pCR to TR33.713 Update solution#30 to remove EN  | CATT  | pCR  | Approval  |   [Thales]: proposes to note the contribution. |
|    |    | S3‑250077 | Resolving ENs for AIoT Security Sol#37  | Xidian, OPPO  | pCR  | Approval  |    |
|    |    | S3‑250078 | Resolving ENs in Solution #42 of TR 33.713  | KPN N.V.  | pCR  |    |   [Interdigital]: Clarification and changes are needed to be approved. |
|    |    | S3‑250092 | Resolving EN in solution #22  | Samsung  | pCR  | Approval  |    |
|    |    | S3‑250093 | Evaluation update for solution#22  | Samsung  | pCR  | Approval  |    |
|    |    | S3‑250094 | Resolving EN in solution #38  | Samsung  | pCR  | Approval  |    |
|    |    | S3‑250095 | Evaluation to solution #38  | Samsung  | pCR  | Approval  |    |
|    |    | S3‑250120 | Solution#1 update: Addressing ENs  | Philips International B.V.  | pCR  | Approval  |    |
|    |    | S3‑250121 | Solution#1 evaluation update  | Philips International B.V.  | pCR  | Approval  |    |
|    |    | S3‑250135 | Sol#10 update  | vivo  | pCR  | Approval  |   [Thales]: proposes change. |
|    |    | S3‑250136 | Sol#40 update  | vivo  | pCR  | Approval  |   [Thales]: proposes change. |
|    |    | S3‑250137 | Sol#41 update  | vivo  | pCR  | Approval  |   [Thales]: proposes change. |
|    |    | S3‑250141 | Solution#3 update  | OPPO  | pCR  | Approval  |    |
|    |    | S3‑250142 | Solution#18 update  | OPPO  | pCR  | Approval  |    |
|    |    | S3‑250143 | Solution#19 update  | OPPO  | pCR  | Approval  |    |
|    |    | S3‑250010 | New KI: Reader Authorization for 5G Ambient IoT Services  | InterDigital, Inc.  | pCR  | Approval  |   [Qualcomm]: asks clarifications and revisions before approval[Nokia]: Support the view of Qualcomm and request further clarification.[Lenovo]: Supports Qualcomm and Nokia view. |
|    |    | S3‑250080 | New key issue for secure storage in AIoT devices  | Ericsson, Thales  | pCR  | Approval  |   [Interdigital]: Requires clarifications.[Qualcomm]: asks clarifications before approval[vivo]: asks clarifications before approval |
|    |    | S3‑250081 | New Key Issue on Amplification of resource exhaustion by exploiting AIoT paging messages  | Ericsson  | pCR  | Approval  |   [Qualcomm]: asks clarifications and/or revision before approval[Huawei]: proposes a way forward to capture but close the issue in the TR[Lenovo]: asks clarifications, disagrees to the KI[Deutsche Telekom]: supports the proposed a way forward (of Huawei) or a modification of the requirement. |
|    |    | S3‑250082 | New key issue for Authenticated and authorized access to devices in Ambient IoT via 3GPP core  | Ericsson  | pCR  | Approval  |   [Qualcomm]: asks clarifications and revisions before approval[vivo]: asks clarifications before approval[Lenovo]: asks clarifications |
|    |    | S3‑250144 | Authorization of external AF for Inventory  | NTT DOCOMO INC.  | pCR  | Approval  | [Qualcomm]: proposes a revision before approval[vivo]: proposes revision before approval |
|    |    | S3‑250145 | KI on attacking via external carrier wave  | NTT DOCOMO INC.  | pCR  |    | Chair: Noted, since the contribution is not aligned with agenda |
|    |    | S3‑250158 | Comments on S3-250145, “KI on attacking via external carrier wave”  | InterDigital, Inc.  | pCR  | Approval  | Chair: Noted, since the contribution is not aligned with agenda |
|    |    | S3‑250060 | pCR to TR33.713 New solution AIoT command message security protection procedure  | CATT  | pCR  | Approval  | Chair: Noted, since the contribution is not aligned with agenda |
|    |    | S3‑250079 | New Solution to KI#5  | Ericsson  | pCR  | Approval  |  Chair: Included in the agenda[Qualcomm]: asks clarifications and/or revision before approval |
|    |    | S3‑250085 | Pseudo-CR on New solution on AIoT privacy  | China mobile  | pCR  |    |  Chair: Noted, since the contribution is not aligned with agenda |
| 5.16  | Study on 5GS enhancements for Energy Saving  | S3‑250049 | Conclusion for KI#1  | Huawei, HiSilicon  | pCR  | Approval  |   [Nokia]: Propose to merge the contribution into S3-250062.[Huawei]: We are ok to merge S3-250049 into S3-250062, though we have comments on S3-250062 and will provide the respective comments in S3-250062 email thread.[Nokia]: Close discussion in this thread and continues in S3-250062. |
|    |    | S3‑250062 | Proposal for a conclusion to KI#1  | Nokia, Deutsche Telekom, BMWK, IIT Bombay  | pCR  | Approval  |   [Ericsson]: S3-250062 requires revision before approval.[Nokia]: Request clarification to comment provided by Ericsson and provide alternative way forward.[Deutsche Telekom]: Comments/update on the alternative way forward[Nokia]: Propose R1 including merge information and the NOTE proposed by Deutsche Telekom.[Ericsson]: r1 requires revision[Nokia]: Provides clarifications[Ericsson]: Provides clarifications |
|    |    | S3‑250128 | Conclusion for KI#1  | Ericsson  | pCR  | Approval  |   [Nokia]: Propose to merge the contribution into S3-250062.[Ericsson]: Ok to merge the document into S3-250062, but S3-250062 requires revision.[Nokia]: Close discussion in this thread and continues in S3-250062. |
|    |    | S3‑250050 | conclusion to KI#2  | Huawei, HiSilicon  | pCR  | Approval  |   [Nokia]: Propose to merge the contribution into S3-250063.[Ericsson]: Propose to merge the contribution into S3-250063 and provides comment on S3-250050.[Huawei]: Acknowledge the Propose merger of S3-250050 into S3-250063 with comments.[Nokia]: Close discussion in this thread and continues in S3-250063. |
|    |    | S3‑250063 | Proposal for a conclusion to KI#2  | Nokia, Deutsche Telekom, IIT Bombay  | pCR  | Approval  |   [Nokia]: Propose r1, The merger of S3-250063 and S3-250129. Including Ericsson as source.[Deutsche Telekom]: fine with r1[Nokia]: Propose r2, The merger of S3-250063 and S3-250050. Including Huawei and HiSilicon as sources. Request further clarification based on comment provided.[Ericsson]: r2 is fine[Huawei]: Respond to S3-250063r2 |
|    |    | S3‑250129 | Conclusion for KI#2  | Ericsson  | pCR  | Approval  |   [Nokia]: Propose to merge the contribution into S3-250063.[Ericsson]: Ok to merge the contribution into S3-250063.[Nokia]: Close discussion in this thread and continues in S3-250063. |
|    |    | S3‑250048 | Resolve various EN's for KI#1  | Huawei, HiSilicon  | pCR  | Approval  |   [Nokia]: Propose to merge the contribution into S3-250064.[Nokia]: Close discussion in this thread and continues in S3-250048.[Nokia]: Correction, discussion continues in S3-250064. |
|    |    | S3‑250064 | TR cleanup  | Nokia  | pCR  | Approval  |   [Nokia]: Provides R1 containing the merger. |
|    |    | S3‑250065 | Presentation of Report to TSG: TR 33.766, Version 1.0.0  | Nokia  | TS or TR cover  | Information  |    |
| 5.18  | Study on security aspects of 5G Mobile Metaverse services  | S3‑250146 | Evaluation for Sol2 Authorization supporting spatial localization service with CCF  | Nokia, Nokia Shanghai Bell  | pCR  | Approval  |    |
|    |    | S3‑250147 | Update Sol3 Authorization supporting spatial localization service with CCF  | Nokia, Nokia Shanghai Bell  | pCR  | Approval  |   [Ericsson]: Requests for clarifications before approval. |
|    |    | S3‑250148 | Update Sol5 Privacy protection during metaverse service discovery  | Nokia, Nokia Shanghai Bell  | pCR  | Approval  |   [Ericsson]: Changes are needed before aproval.[Huawei, HiSilicon]: Revision is needed before aproval. |
|    |    | S3‑250113 | 33.721: Update to Conclusion on Key Issue #2  | Xiaomi EV Technology  | pCR  | Approval  |   [Nokia]: We don't agree to remove the change.[Xiaomi]: provide clarification/response to the comments |
|    |    | S3‑250051 | Update on Solution #6-Digital asset request validation  | Huawei, HiSilicon  | pCR  | Approval  |   [Ericsson]: Proposes changes before approval[Nokia]: Provide comments[Xiaomi]: provide comments and ask questions for clarification |
|    |    | S3‑250088 | [TR 33.721] Update to solution#6  | Samsung  | pCR  | Approval  |   [Ericsson]: Maybe merge with 0051 to make it easier to follow the changes?[Huawei, HiSilicon]: Replies to Ericsson.[Nokia]: Question for clarification.[Samsung]: Provides clarification. Prefers not to merge into 0051 to avoid confusion.[Xiaomi]: provide comments and ask questions for clarification |
|    |    | S3‑250150 | Update Sol8 authenticate and authorize DA client to create a digital asset  | Nokia, Nokia Shanghai Bell  | pCR  | Approval  |   [Ericsson]: Requests for clarifications about the removal of the GPSI as an example |
|    |    | S3‑250151 | Update Sol9 authenticate and authorize DA client to access a digital asset  | Nokia, Nokia Shanghai Bell  | pCR  | Approval  |   [Ericsson]: Requests clarifications before approval. |
|    |    | S3‑250034 | Conclusion for KI#3  | ZTE Corporation  | pCR  | Approval  |   [Ericsson]: Proposes this as a baseline but no strong preference.[ZTE]: OK to merge and use this document as baseline.[Huawei, HiSiliocn]: Fine to merge 0052 into this but with no strong preference for the baseline. Propose some update to the text.[Samsung]: S3-250034 is considered as baseline for conclusion of KI#3.[ZTE]: initial merger document r1 has been uploaded[Xiaomi]: provide comments and ask question for clarification |
|    |    | S3‑250052 | Conclusion to KI#3 in TR 33.721  | Huawei, HiSilicon  | pCR  | Approval  |   [Ericsson]: Proposes to merge this document with other relevant documents, e.g. 0034 but no strong preference for the baseline. Comments on the document.[Huawei, HiSiliocn]: Fine to merge with other relevant tdocs with no strong preference for the baseline. Replies to Ericsson.[Samsung] : Proposes to merge this into S3-250034. Move the discussion under 0034. This thread is closed |
|    |    | S3‑250152 | Conclusion for KI3 Security aspects of digital asset container in 5G  | Nokia, Nokia Shanghai Bell  | pCR  | Approval  |   [Samsung] : Proposes to merge S3-250034 and S3-250052 into S3-250152 and use S3-250152 as baseline for conclusion for key issue#3.[Ericsson] provides comments, proposes another baseline (0034) but no strong preference.[Samsung] : Proposes to merge this into S3-250034. Move the discussion under 0034. This thread is closed. |
|    |    | S3‑250112 | 33.721: Evaluation of Solution 10  | Xiaomi EV Technology  | pCR  | Approval  |   [Nokia]: provide comments |
|    |    | S3‑250149 | Update Sol7 authorize avatar by metaverse service provider  | Nokia, Nokia Shanghai Bell  | pCR  | Approval  |    |
|    |    | S3‑250114 | 33.721: Conclusion on Key Issue #4  | Xiaomi EV Technology  | pCR  | Approval  |   [Samsung] : Proposes to merge S3-250153 into S3-250114 and use S3-250114 as baseline for conclusion for key issue#4.[Ericsson] provides comments, proposes another baseline (0034) but no strong preference.[Ericsson] Withdraws the previous proposal for merging this document with 0034. This comment was meant for another documents.[Xiaomi]: provide merged version in r1[Nokia]: provide r2 for the merged version. |
|    |    | S3‑250153 | Conclusion for KI4 Authentication and authorization of digital representation  | Nokia, Nokia Shanghai Bell  | pCR  | Approval  |    |
| 5.19  | Study on security aspects of CAPIF Phase 3  | S3‑250017 | KI#1.1-Further conclusions on ROF authentication  | Huawei, HiSilicon  | pCR  | Approval  |   [Huawei]: r1 is provided to merge S3-250017, S3-250102, S3-250116, and S3-250160.[Xiaomi]: provides r2 |
|    |    | S3‑250102 | Further conclusion for key issue #1.1  | Ericsson  | pCR  | Approval  |   [Ericsson]: S3-250102 is merged into S3-250017. |
|    |    | S3‑250116 | TR 33.700-22KI#1.1 conclusion update  | Xiaomi communications  | pCR  | Approval  |   [Xiaomi]: merged into S3-250017. |
|    |    | S3‑250160 | KI1.1 ROF authentication conclusion  | Nokia  | pCR  |    |   [Nokia]: merged into S3-250017. |
|    |    | S3‑250018 | KI#1.2-Further conclusions on authorization information  | Huawei, HiSilicon  | pCR  | Approval  |    |
|    |    | S3‑250035 | Update to the conclusion for KI#1.2  | ZTE Corporation  | pCR  | Approval  |    |
|    |    | S3‑250053 | Conclusion on key issue #1.2 in TR 33.700-22  | China Telecom  | pCR  | Approval  |    |
|    |    | S3‑250103 | Further conclusion for key issue #1.2  | Ericsson  | pCR  | Approval  |   [Ericsson]: initial merger document r1 has been uploaded[Xiaomi]: provides r2.[Ericsson]: provides r3 and clarification.[Huawei]: revisions are required, either r1 or r2.Detailed comments are provided in the email thread. |
|    |    | S3‑250101 | Conclusion reformulation for key issue #1.2  | Ericsson  | pCR  | Approval  |   [Ericsson]: S3- 250101 is merged into S3- 250103. |
|    |    | S3‑250117 | TR 33.700-22KI#1.2 conclusion update  | Xiaomi communications  | pCR  | Approval  |   [Xiaomi]: merged into S3-250103. |
|    |    | S3‑250019 | KI#1.3-Further conclusions on granularity  | Huawei, HiSilicon  | pCR  | Approval  |   [Xiaomi ]: Provides comments. |
|    |    | S3‑250118 | TR 33.700-22KI#1.3 conclusion update  | Xiaomi communications  | pCR  | Approval  |   [Xiaomi]: merged into S3-250164. |
|    |    | S3‑250164 | KI1.3 conclusion  | Nokia  | pCR  |    |   [Nokia]: baseline for merger of S3-250019, S3-250118, S3-250164[Nokia]: -r1 uploaded[Xiaomi] provides r2.[Xiaomi] provides comment.[Huawei] provides comments to r1 and r2. |
|    |    | S3‑250036 | Update to the conclusion for KI#2  | ZTE Corporation  | pCR  | Approval  |    |
|    |    | S3‑250039 | Conclusion for KI#2  | China Telecom  | pCR  | Approval  |    |
|    |    | S3‑250087 | Updates to conclusion for key issue#2  | Samsung  | pCR  | Approval  |   [Samsung] : Based on offline call S3-250087 is taken as baseline for conclusion of KI#2. draft\_S3-250087-r1 is available n draft folder for review.[Xiaomi] : provides r2.[Chinatelecom] : provides r3.[ZTE ]: Provide r4.[Lenovo] : Provides r5 to correct clarifications and to align with existing SA6 and SA3 specifications.Asks clarifications with suitable updates for the term learns used in TLS-PSK/PKI conclusions. |
|    |    | S3‑250105 | Further conclusion for key issue #2  | Ericsson  | pCR  | Approval  |   [Ericsson]: S3-250105 is merged into S3-250087. |
|    |    | S3‑250119 | TR 33.700-22KI#2 conclusion update  | Xiaomi communications  | pCR  | Approval  |   [Xiaomi]: merged into S3-250087. |
|    |    | S3‑250165 | KI2 interconnect conclusion  | Nokia  | pCR  |    |   [Nokia]: merged into S3-250087. |
|    |    | S3‑250106 | Conclusion for key issue #3  | Ericsson  | pCR  | Approval  |   [Ericsson]: initial merger document r1 has been uploaded[Xiaomi]: provides comments.[Ericsson]: provides clarification[Lenovo]: The document needs revision before approval. |
|    |    | S3‑250166 | KI3 conclusion  | Nokia  | pCR  |    |   [Nokia]: merged into S3-250106. |
|    |    | S3‑250107 | Conclusion for key issue #4  | Ericsson  | pCR  | Approval  |   [Ericsson]: S3-250107 is merged into S3-250167. |
|    |    | S3‑250167 | KI4 Nested API invocation conclusion  | Nokia  | pCR  |    |   [Nokia]: S3-250167 will be the baseline document for merging S3-250107 and S3-250167.[Nokia]: S3-250167-r1 uploaded.[Xiaomi]: provides comments |
|    |    | S3‑250108 | Conclusion for key issue #5  | Ericsson  | pCR  | Approval  |   [Ericsson]: S3-250108 is merged into S3-250168. |
|    |    | S3‑250168 | KI5 muliple API infovoker same RO conclusion  | Nokia  | pCR  |    |   [Nokia]: S3-250168 will be the baseline document for merging S3-250108 and S3-250168.[Nokia]: -r1 uploaded. Contradicting conclusion needs to be addressed.[Xiaomi]: provide comments. |
|    |    | S3‑250109 | Conclusion for key issue #6  | Ericsson  | pCR  | Approval  |    |
|    |    | S3‑250020 | remove EN for KI#1.1  | Huawei, HiSilicon  | pCR  | Approval  |    |
|    |    | S3‑250021 | remove EN for KI#1.2  | Huawei, HiSilicon  | pCR  | Approval  |    |
|    |    | S3‑250097 | Resolving EN in key issue #1.2  | Ericsson  | pCR  | Approval  |   [Ericsson]: initial merger document r1 has been uploaded[Xiaomi]: provides comments[Huawei]: provides comments[Lenovo]: The document requires revision before approval. |
|    |    | S3‑250022 | remove EN in clause 6.4  | Huawei, HiSilicon  | pCR  | Approval  |    |
|    |    | S3‑250023 | editorial corrections in clauses 6.2 and 6.10  | Huawei, HiSilicon  | pCR  | Approval  |    |
|    |    | S3‑250037 | Updates to Solution#21  | Lenovo  | pCR  | Approval  |    |
|    |    | S3‑250040 | Update sol#17 to resolve EN  | China Telecom  | pCR  | Approval  |    |
|    |    | S3‑250086 | Update to solution#27  | Samsung  | pCR  | Approval  |    |
|    |    | S3‑250098 | Resolving ENs and evaluation of solution #11  | Ericsson  | pCR  | Approval  |   [Lenovo]: Ask clarifications.The document needs revision before approval. |
|    |    | S3‑250099 | Resolving ENs and evaluation of solution #22  | Ericsson  | pCR  | Approval  |    |
|    |    | S3‑250100 | Resolving ENs and evaluation of solution #26  | Ericsson  | pCR  | Approval  |    |
|    |    | S3‑250161 | KI1.1 ROF authentication  | Nokia  | pCR  |    |    |
|    |    | S3‑250038 | Solution to address KI#6  | Lenovo  | pCR  | Approval  |   [Xiaomi]: provides comments. |
|    |    | S3‑250162 | KI1.1 Solution 3 update  | Nokia  | pCR  |    |    |
|    |    | S3‑250163 | KI1.2 EN resolution in solution 7  | Nokia  | pCR  |    |    |
|    |    | S3‑250169 | TR correction  | Nokia  | pCR  |    |    |
|    |    | S3‑250008 | Reply LS on terminology alignment between SA6 and SA3  | S6-245644  | LS in  |    |   [Huawei]: proposes to note it, no action for SA3. |
|    |    | S3‑250115 | Draft CR on TS 33.122  | Xiaomi communications  | draftCR  | Approval  |    |
|    |    | S3‑250096 | New solution for Authorization of API invoker on one UE accessing resources related to another UE  | Ericsson  | pCR  | Approval  |   [Xiaomi]: provides comments. |
|    |    | S3‑250104 | Further conclusion for key issue #1.3  | Ericsson  | pCR  | Approval  |    |