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| **Agenda** | **TDoc** | **Title** | **Source** | **Notes** | **Decision** | **Replaced-by** |
| 1 | S3‑231700 | Agenda | SA WG3 Chair |  | available |  |
|  | S3‑231701 | Process for SA3#110AdHoc-e | SA WG3 Chair |  | available |  |
|  | S3‑231702 | Process and agenda planning for SA3#110AdHoc-e | SA WG3 Chair |  | available |  |
| 2 |  |  |  |  |  |  |
| 3 | S3‑231703 | LS on user consent for UE location sharing | S6-230351 | >>CC\_1<<  [Apple] presents and summrizes that current two draft reply LS are contradictory.  [Huawei] agrees they are opposite, asks other companies view.  Chair requests Apple to hold the pen and try to find consensus.  >>CC\_1<< | available |  |
|  | S3‑231919 | Reply LS on user consent for UE location sharing | Huawei, HiSilicon | >>CC\_1<<  >>CC\_1<<  [QC]: Propose to note and discuss S3-231974.  [Ericsson]: Disagree with QC and propose to use S3-231919 as base. | available |  |
|  | S3‑231974 | Reply LS on user consent for UE location sharing | Apple | >>CC\_1<<  >>CC\_1<<  [Ericsson]: propose to use S3-231919 as base for the reply  [Apple]: provide revision r1 and reply to Ericsson. | available |  |
|  | S3‑231704 | LS on UE event reporting over a user plane connection to LCS client or AF | S2-2301789 | >>CC\_1<<  VC presents.  >>CC\_1<<  [Qualcomm]: Uploaded an r1 based on CC discussion | available |  |
|  | S3‑232091 | LS reply on UE event reporting over a user plane connection to LCS client or AF | Nokia, Nokia Shanghai Bell | >>CC\_1<<  (No show)  >>CC\_1<< | available |  |
|  | S3‑231705 | LS on LPP message and supplementary service event report over a user plane connection between UE and LMF | S2-2301857 | >>CC\_1<<  [Ericsson] presents.  1758 is draft reply LS.  >>CC\_1<< | available |  |
|  | S3‑231758 | Reply LS on LPP message and supplementary service event report over a user plane connection between UE and LMF and LS on UE event reporting over a user plane connection to LCS client or AF | Ericsson | >>CC\_1<<  [Ericsson] presents.  [QC] comments for both contributions, proposes to postpone  Chair asks Ericsson to hold the pen to merge all 3 contribution, and comments that is no need to wait one more meeting cycle.  [Huawei] asks whether it can be combined with another one.  Chair confirms both 1075 and 1074 will be replied together by the new draft.  >>CC\_1<< | available |  |
|  | S3‑232090 | LS reply on LPP message and supplementary service event report over a user plane connection between UE and LMF | Nokia, Nokia Shanghai Bell | >>CC\_1<<  [Nokia] presents.  >>CC\_1<< | available |  |
|  | S3‑231902 | Reply LS on user plane connection between UE and LCS client, AF or LMF | Huawei, HiSilicon | >>CC\_1<<  [Huawei] presents.  >>CC\_1<< | available |  |
|  | S3‑231706 | LS Reply to 3GPP on SEPP Certificates | GSMA | >>CC\_1<<  [Nokia] presents.  Chair asks whether it can be noted.  [Nokia] confirms it can be noted.  >>CC\_1<< | available |  |
|  | S3‑231707 | LS on UE specific data and analytics exchange between HPLMN and VPLMN | S2-2303548 | >>CC\_1<<  Chair proposes to note this  **1st challenge dealine.**  >>CC\_1<< | available |  |
|  | S3‑231708 | Reply LS on Support PIN application architecture and interaction | S2-2303698 | >>CC\_1<<  Chair proposes to note this  **1st challenge dealine.**  >>CC\_1<< | available |  |
|  | S3‑231709 | Reply LS on SNAAPP requirements clarifications | S1-230591 | >>CC\_1<<  [Docomo] presents.  Chair asks whether it can be noted.  [Docomo] considers it can be noted.  [Mavenir] comments about conf call. Chair will check with MCC.  [QC] asks why Docomo keep saying there is no impact on UE side.  [Docomo] clarifies.  Chair comments if there is any assumptions made, it would be better to send LS out.  [Docomo] is ok to prepare an LS out.  Chair asks to continue email discussion  [QC] clarifies QC is ok to note this.  [Huawei] is in line with Docomo.  Chair considers it does not need to be replied until there is discussion how to reply it.  >>CC\_1<< | available |  |
|  | S3‑231710 | Reply LS on the data and analytics exchange between two NWDAFs in different PLMNs | S2-2303563 | >>CC\_1<<  [CMCC] presents and proposes to note, and points 1707 is related and proposes to note it also.  >>CC\_1<< | available |  |
|  | S3‑231711 | Reply LS on Progress and open issues for NPN enhancements in Rel-18 | S2-2303689 | >>CC\_1<<  [QC] presents and proposes to note.  [Ericsson] agrees it can be noted.  Chair proposes to note this.  **1st challenge deadline.**  >>CC\_1<< | available |  |
|  | S3‑231712 | Reply LS on clarification on user consent for AI/ML | S2-2303834 | >>CC\_1<<  [Oppo] presents and proposes to note.  [Nokia] proposes to note and keep discuss on Oppo’s contribution.  Chair proposes to note this.  **1st challenge deadline.**  >>CC\_1<< | available |  |
|  | S3‑231713 | LS reply to Reply LS on Network federation interface for Telco edge consideration | S5-233146 | >>CC\_1<<  [Samsung] presents.  Chair proposes to note this.  **1st challenge deadline.**  >>CC\_1<< | available |  |
|  | S3‑231715 | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network | S6-231061 | >>CC\_1<<  [Apple] presents and proposes to wait for further email discussions  [Huawei] supports Apple’s view, i.e. to wait for further email discussions.  [Ericsson] is also agreed to wait.  >>CC\_1<< | available |  |
|  | S3‑231966 | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network | Huawei, HiSilicon | >>CC\_1<<  (waiting)  >>CC\_1<<  [Ericsson] : does not agree with the proposed LS reply | available |  |
|  | S3‑231973 | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network | Apple | >>CC\_1<<  (waiting)  >>CC\_1<<  [Ericsson] : requires revision before approval  [Huawei]: propose to wait for the new KI discussion. | available |  |
|  | S3‑231716 | LS to SA2 on Sidelink positioning procedure | R2-2302285 | >>CC\_1<<  Chair proposes to note this.  **1st challenge deadline.**  >>CC\_1<< | available |  |
|  | S3‑231717 | LS to 3GPP on GSMA requirements regarding intermediaries in the roaming ecosystem (Roaming Hub, IPX and RVAS Providers) | GSMA | >>CC\_1<<  [Nokia] provides r1 and gives overview about group LSs.  [Mavenir] comments,  [DT] comments, could not understand why GSMA is not satisfied with SA3 solution.  [Mavenir] replies to DT.  [Ericsson] comments.  Chair comments it can be covered in next F2F meeting, proposes to have a dedicated conf call for this, and invite more WGs to discuss, and then send LS back.  [Mavenir] asks whether it means it is another call as there is a call already scheduled.  Chair confirms.  [Nokia] replies.  [Orange] wonders whether it is needed. It should be discussed in SA1.  Chair comments it needs to have clear scope, so it will have more than one conf call.  [Orange] asks whether there is a reply LS.  Chair clarifies the draft reply LS is 964.  [Nokia] request to have offline call.  Chair suggests 1 hour before next on Wed.  [Huawei] comments it should get response from SA2 as it has architecture impact.  [CableLabs] replies to Huawei.  [Vodafone] supports to have conf-call.  Chair clarifies to Vodafone.  [Ericsson] asks it should be in R18 or R19 due to timeline.  Chair clarifies cannot have any dependency on R18.  [Nokia] comments.  [Docomo] proposes to move as fast as possible due to timeline.  [Nokia] asks whether only one reply LS is enough.  Chair replies that would be discussed in offline discussion.  >>CC\_1<<  >>CC\_2<<  Chair announces offline discussion on Wednesday, that will be chaired by VC-Minpeng.  SA1 related topic discussion leads by Orange-Todor.  SA2 related topic discussion leads by Mavenir-Ahmad.  SA3 requirements discussion leads by Nokia-Anja.  >>CC\_2<< | available |  |
|  | S3‑231718 | LS response to 3GPP on IPX Requirements for 5GS Roaming | GSMA | >>CC\_1<<  >>CC\_1<<  (Captured by VC)[Nokia] proposes to keep discussion in threat S3-231717 | available |  |
|  | S3‑231964 | Reply LS on IPX Requirements for 5GS Roaming from GSMA | Huawei, HiSilicon |  | available |  |
|  | S3‑231719 | LS Roaming Value Added Service Requirements | GSMA | >>CC\_1<<  >>CC\_1<<  (Captured by VC)[Nokia] proposes to keep discussion in threat S3-231717 | available |  |
|  | S3‑231720 | LS with Roaming Hubbing requirements and LS response to 3GPP SA3 LS(S3-214456) on 5GS Roaming Hubbing | GSMA | >>CC\_1<<  >>CC\_1<<  (Captured by VC)[Nokia] proposes to keep discussion in threat S3-231717 | available |  |
|  | S3‑231721 | LS on GSMA 5GMRR Working Solution Assumption L-PRINS and Data Session Control | GSMA | >>CC\_1<<  [Nokia] clarifies the relation with other GSMA LS.  >>CC\_1<< | available |  |
|  | S3‑231965 | Reply LS on AFId parameter value in EES invocation of Nnef\_UEId\_Get service | Huawei, HiSilicon |  | withdrawn |  |
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| 4.8 |  |  |  |  |  |  |
| 4.9 |  |  |  |  |  |  |
| 4.10 | S3‑231953 | Discussion of secondary authentication & authorization for Layer-3 UE-to-Network relaying | Ericsson | >>CC\_1<<  [Ericsson] presents.  >>CC\_1<<  [ChinaTelecom] : request clarification. | available |  |
|  | S3‑231952 | [Draft] LS on ProSe Secondary Authentication | Ericsson | >>CC\_1<<  [Ericsson] presents.  [IDCC] comments it needs to list concrete question and proposal rather than simple send CR out.  [Ericsson] clarifies.  [Huawei] comments to list very specific and detail questions if LS is needed.  Chair asks Ericsson to prepare specific questions.  [IDCC] proposes way forward to have questions.  [Ericsson] has concern on making questions.  Chair clarifies to include both draft CR and LS with specific questions, formulate the questions beyond the specific questions as well  [Ericsson] is ok to make question.  Chair asks IDCC to hold the pen.  >>CC\_1<< | available |  |
|  | S3‑231778 | draft LS on Prose Secondary Authentication | InterDigital, Europe, Ltd. | [Ericsson] : requires updates, otherwise noted  [Ericsson] : we have provided r1 of S3-231778 of the draft LS to SA2, including our questions to SA2. | available |  |
|  | S3‑231773 | Clearing EN on Remote UE Report | InterDigital, Europe, Ltd. | >>CC\_1<<  Rapporteur considers all 3 contributions(773/887/931) are mergerable  [Huawei] prefers to use Interdigital’s one as baseline.  [Ericsson] prefers to use Huawei’s as baseline rather than Interdigital’s, is not fine to remove EN in 773.  Chair suggests IDCC to hold the pen, and asks Ericsson to comment on merged contribution.  >>CC\_1<<  [Ericsson] : propose to note  [Qualcomm]: requests clarification or revision before merge/approval  [Interdigital]: replies to Ericsson and Qualcomm. EN is resolved by latest approved Remote UE report updates in Rel-17. Fine with covering regardless of CP/UP security.  [Ericsson]: not fine with Interdigital’s proposal | available |  |
|  | S3‑231887 | Update the PDU Session secondary authentication of Remote UE | China Telecom Corporation Ltd. | >>CC\_1<<  >>CC\_1<<  [Ericsson] : provides comments, updates required before approval | available |  |
|  | S3‑231931 | update the procedure to align with the R-17 agreement | Huawei, HiSilicon | >>CC\_1<<  >>CC\_1<<  [Ericsson] : provides comments, requires updates  [Ericsson] : provides further comments, requires updates  [ChinaTelecom] : provides comments.  [Interdigital] : asks Ericsson to clarify position about UP which is opposite from yesterday and still not clear.  [Ericsson] : provides comments | available |  |
|  | S3‑231774 | Clearing EN on Remote UE Subscription update | InterDigital, Europe, Ltd. | [Ericsson] : propose to note | available |  |
|  | S3‑231935 | Addressing Editor's Note on remote UE's subscription update notification | Huawei, HiSilicon | [Ericsson] : propose to note | available |  |
|  | S3‑231936 | pCR on introducing another PC5-S message to the Remote UE | Huawei, HiSilicon | [Ericsson] : propose to note | available |  |
|  | S3‑231775 | Clearing EN on Remote UE GPSI | InterDigital, Europe, Ltd. |  | available |  |
|  | S3‑231776 | Clearing EN on Revocation procedure | InterDigital, Europe, Ltd. | [Ericsson] : propose to note | available |  |
|  | S3‑231777 | Naming alignment from 5GPRUK to CP-PRUK | InterDigital, Europe, Ltd. | [Ericsson] : propose to note  [Interdigital] : fine with applying to both CP and UP  [Ericsson] : propose to note  [ChinaTelecom] : provide comments.  [Interdigital] : asks why is Ericsson objecting to a straightforward required naming alignment to TS 33.503 | available |  |
|  | S3‑231772 | Living document to TS 33.503 for Prose Secondary Authentication | InterDigital, Europe, Ltd. |  | available |  |
| 4.11 | S3‑231791 | Proposed updates to the DTLS text | Qualcomm Incorporated | [ZTE]: propose to merge.  [Qualcomm]: OK to merge but in 1827 as discussed on other threads. | available |  |
|  | S3‑231827 | Changes to living document for GBA DTLS | THALES | [Huawei]: agrees that current TS is not suitable for the content and points out that a separate new TS would be even better.  [ZTE]: propose to merge to 1842.  [ZTE]: provide a new version.(r2)  [Qualcomm]: provides an r3 to merge in S3-231791  [Ericsson]: Fine with revisions and choice baseline document provides comments, asks for clarifications  [Qualcomm]: provides an r4 with some additional changes from S3-231791. | available |  |
|  | S3‑231842 | Living document for GBA DTLS to TS 33.220 | ZTE Corporation | [ZTE]: provide R1.  [Huawei]: comments on the process  [ZTE]: provide clarification.  [Thales]: provides comments.  [ZTE]: provide clarification.  [Xiaomi]: provides comments.  [ZTE]: provide response.  [Qualcomm]: provides a comment on merging | available |  |
|  | S3‑232064 | Enable DTLS in Ua star protocol | Xiaomi communications | [Huawei]: comments that there is no rush to discuss the AKMA related requirements before finalizing the GBA ones.  [ZTE]: propose to merge to 1841.  [Xiaomi]: provides the clarification. | available |  |
|  | S3‑231841 | Living document for AKMA DTLS to TS 33.535 | ZTE Corporation | [Huawei]: comments that there is no rush to discuss the AKMA related requirements before finalizing the GBA ones.  [ZTE]: provide clarification and R1  [Xiaomi]: provides r2 to add the source company. | available |  |
| 4.12 |  |  |  |  |  |  |
| 4.13 | S3‑231766 | Living document for AKMA\_GBA\_OSCORE: draftCR to TS 33.220, IETF OSCORE as GBA Ua protocol | Ericsson |  | available |  |
|  | S3‑231767 | pCR to GBA OSCORE living doc: Clarifications | Ericsson | [Huawei]: provides editorial comments  [Huawei]: propose to merge and move the discussion to thread S3-231762.  [Ericsson]: provides r1. | available |  |
|  | S3‑231768 | Proposal for a living document for AKMA\_GBA\_OSCORE: draftCR to TS 33.535, IETF OSCORE as AKMA Ua\* protocol | Ericsson | [Huawei]: comments that there is no rush to discuss the AKMA related requirements before finalizing the GBA ones.  [Ericsson]: provides clarifications. | available |  |
|  | S3‑231826 | Changes to living document for GBA OSCORE | THALES |  | available |  |
|  | S3‑232068 | Enable OSCORE in Ua star protocol | Xiaomi communications | [Huawei]: comments that there is no rush to discuss the AKMA related requirements before finalizing the GBA ones and prefers this one compared to 1768.  [Ericsson]: proposes to postpone this document for the May meeting or merge in 1768 and continue the discussion in that thread. | available |  |
|  | S3‑232069 | Resolve EN for choosing GBA\_U GBA\_ME | Xiaomi communications | [Huawei]: agrees with the issue being addressed but asks for clarifications  [Xiaomi]: provides r1 and clarification.  [Ericsson]: Proposes to postpone this contribution for the next meeting and provides comments. | available |  |
| 4.14 | S3‑231927 | New UDM service | Huawei, HiSilicon | [Nokia]: clarification required  [ZTE]: provide comments | available |  |
|  | S3‑231987 | [draftCR] Adding a new security sevice operation provided by the UDM and AMF | Samsung | [Nokia]: clarification required | available |  |
|  | S3‑232026 | HONTRA Clarifications | Lenovo |  | available |  |
|  | S3‑231928 | New AMF service | Huawei, HiSilicon | [Nokia]: prefer to use existing AMF service  [ZTE]: provide comments  [Nokia]: provide clarification  [Ericsson]: Does not agree with the approach. Propose Ericsson’s 1765 approach. | available |  |
|  | S3‑232062 | Remove the Editor’s Note related to the message type between AMF and UDM in the HONTRA | Beijing Xiaomi Mobile Software |  | available |  |
|  | S3‑231816 | EN removal multiple AMF scenarios Veriant1 | Nokia, Nokia Shanghai Bell | [Xiaomi]: provides comments and requires clarification before approval  [Ericsson]: Does not agree with the approach. | available |  |
|  | S3‑231817 | EN removal multiple AMF scenarios Veriant2 | Nokia, Nokia Shanghai Bell | [Xiaomi]: provides comments and requires clarification before approval  [Ericsson]: Does not agree with the approach. | available |  |
|  | S3‑231929 | Addressing Editor’s Note on multiple AMFs registered to the UDM | Huawei, HiSilicon | [Nokia]: clarification required  [Ericsson]: Prefers 1765 and as a second option this document. | available |  |
|  | S3‑231972 | EN removal for multiple AMFs case | LG Electronics | [Nokia]: clarification required before approval | available |  |
|  | S3‑232063 | Remove the Editor’s Note related to the multiple registrations in the HONTRA | Beijing Xiaomi Mobile Software | [Nokia]: clarification required | available |  |
|  | S3‑231765 | pCR to living document to TS 33.501: Clarifications and removals of Editor's Notes | Ericsson |  | available |  |
|  | S3‑231815 | EN removal on UE reachability scenario | Nokia, Nokia Shanghai Bell | [Xiaomi]: provides comments and requires clarification before approval | available |  |
|  | S3‑231843 | Discussion on home network triggered primary authentication procedure | ZTE Corporation |  | available |  |
|  | S3‑231846 | Update home network triggered primary authentication procedure | ZTE Corporation |  | available |  |
|  | S3‑231989 | [draftCR] Modifying the Editor’s Note on UE reachability | Samsung |  | available |  |
|  | S3‑231988 | [draftCR] Adding details on the operator policy and the trigger for the primary authentication | Samsung |  | available |  |
|  | S3‑231818 | addition of SoR use case | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑231819 | addition of UPU use case | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑231848 | Draft CR to TS 33.535-Kakma refresh | ZTE Corporation |  | available |  |
|  | S3‑231930 | Updating the NOTE1 | Huawei, HiSilicon |  | available |  |
|  | S3‑231926 | living document for HNA | Huawei, HiSilicon |  | available |  |
| 4.15 | S3‑231759 | Skeleton draft TS 33.528 | BSI (DE) | >>CC\_1<<  >>CC\_1<< | available |  |
| 4.16 | S3‑231745 | Skeleton for 5WWC\_Ph2\_Sec:DraftCR to 33501 | Nokia, Nokia Shanghai Bell | >>CC\_1<<  [Huawei] comments there is one aspect missing, asks to keep it open for discussion.  [QC] comments.  [CableLabs] proposes to use CR instead.  [Nokia] is ok with Huawei’s comment, and to keep it open.  >>CC\_1<<  [Nokia]: propose not to have a living TS, and directly summit the CRs for the normative work  [Huawei]: ask for clarification.  [Qualcomm]: OK with either way forward  [Thales]: asks questions.  [Nokia]: provide clarification to Huawei | available |  |
| 4.17 | S3‑231789 | Draft Skeleton for UAS | Qualcomm Incorporated | >>CC\_1<<  [IDCC] has couple of proposal, key issue 3 & 4 are missing.  [QC] replies.  [IDCC] asks to keep discussion via email.  Chair clarifies the skeleton does not need to reflect each key issue from the TR, how to organize the specifications is up to the group.  >>CC\_1<< | available |  |
| 4.18 | S3‑231739 | Skeleton\_ACM\_SBA\_informative annex | Nokia, Nokia Shanghai Bell | [Huawei]: comments that there is no need to have a separate dedicated annex for informative content  [Ericsson]: Support- for the informative annex but could we revise scope and headings for the informative annex skeleton please?  [Nokia]: closes this thread and merge this contribution in S3-231740 | available |  |
|  | S3‑231740 | Skeleton\_ACM\_SBA\_normative | Nokia, Nokia Shanghai Bell | [Huawei]: proposes editorial changes  >>CC\_1<<  [Nokia] presents current status.  [Mavenir] asks questions for clarification, and proposes to keep it open .  [Huawei] comments to simplify the structure, and proposes to keep only one skeleton contribution, and doesn’t think it needs to have informative skeleton, proposes to note informative contributions.  Chair proposes to keep it open .  >>CC\_1<<  [Ericsson]: Support in general, also request revision & a question for clarification  [Nokia]: provides clarifications and -r1 | available |  |
| 4.19 | S3‑231969 | Skeleton for NG\_RTC\_SEC | Huawei, HiSilicon | >>CC\_1<<  [Ericsson] comments X.2 could be left but X.1 is not good.  [Huawei] replies.  Chair asks to keep discussion in email.  >>CC\_1<<  [Ericsson]: Proposes changes to the skeleton. Propose to remove the Data Channel part of the Annex and consider making changes to the existing text in 33.328. The X.2 part of the Annex is fine. | available |  |
| 4.20 | S3‑231961 | living CR of EDGE\_Ph2 on TS 33.501 | Huawei, HiSilicon | >>CC\_1<<  [Huawei] presents.  [Ericsson] comments on “in the roaming scenarios”  [Huawei] is ok with Ericsson’s comment.  Chair asks to revise based on Ericsson’s comments and approve it after 1st challenge deadline.  **Revision will go under 1st challenge deadline.**  >>CC\_1<<  [Huawei] : Provide r1 based on the comments received during the call on monday  [Ericsson] : r1 is ok | available |  |
|  | S3‑231963 | Living CR of EDGE\_Ph2 on TS 33.558 | Huawei, HiSilicon | >>CC\_1<<  [Huawei] presents.  [Ericsson] comments there are content more than skeleton.  Chair requests to keep it open.  >>CC\_1<< | available |  |
| 4.21 | S3‑231981 | Skeleton for AKMA ph2 WID | China Mobile | >>CC\_1<<  [CMCC] presents.  [Nokia] asks to add roaming until key issue 1 conclusion is made.  [CMCC] replies that roaming conclusion is made, only LI aspect left.  [Ericsson] comments editorial on the title of 4.7.  [Huawei] has editorial comment, to change 4.6/4.7 as 4.X/4.Y.  Chair asks to revise it and approve it after 1st challenge deadline.  **Revision will go under 1st challenge deadline.**  >>CC\_1<<  [CMCC]: provides r1 based on the comments in the conf call. | available |  |
| 4.22 |  |  |  |  |  |  |
| 4.23 | S3‑231886 | Authorization of selection of participant NWDAF instances in the Federated Learning group. | Intel |  | withdrawn |  |
|  | S3‑231980 | Skeleton for Security aspects of enablers for Network Automation for 5G - phase 3 | China Mobile | >>CC\_1<<  [CMCC] presents.  [QC] has number comments to change X.8/X.9/X.10 to X.x/X.y/X.z.  Chair asks to revise it and approve it after 1st challenge deadline.  **Revision will go under 1st challenge deadline.**  >>CC\_1<<  [CMCC]: Provide r1 with editorial changes. | available |  |
| 4.24 | S3‑231748 | Skeleton for Security aspects of enhanced support of Non-Public Networks phase 2 | Ericsson | >>CC\_1<<  [Ericsson] presents.  Chair proposes to approve after 1st challenge deadline.  **1st challenge deadline.**  >>CC\_1<< | available |  |
| 4.25 | S3‑231950 | Security for U2U relay in 3GPP coverage | Ericsson |  | revised | [S3‑231982](file:///C:\Users\cmcc\Desktop\AgendaWithTdocAllocation_2023-04-14_15h06.htm#RANGE!S3-231982) |
|  | S3‑231951 | Emergency service via Layer 2 and Layer 3 UE-to-network relay | Ericsson |  | revised | [S3‑232010](file:///C:\Users\cmcc\Desktop\AgendaWithTdocAllocation_2023-04-14_15h06.htm#RANGE!S3-232010) |
|  | S3‑231982 | Security for U2U relay in 3GPP coverage | Ericsson, China Telecom |  | withdrawn |  |
|  | S3‑232007 | Draft skeleton for ProSe Ph2 normative work | CATT | >>CC\_1<<  [CATT] presents.  [IDCC] comments to have additional clause.  Chair requests to keep it open.  >>CC\_1<<  [Philips] proposes improvements and asks for a revision.  [Interdigital] proposes to add missing clauses for privacy related procedures.  [Huawei, HiSilicon]: provides comments.  [ChinaTelecom]: provides comments.  [CATT]: provides r1 based on comments. | available |  |
|  | S3‑232010 | Emergency service via Layer 2 and Layer 3 UE-to-network relay | Ericsson |  | withdrawn |  |
| 4.26 | S3‑232027 | Skeleton for TS 33.533 | Xiaomi Technology | >>CC\_1<<  [Xiaomi] presents.  [Huawei] comments clause is not clear, and needs clarification.  Chair suggests to have continuous email discussion.  >>CC\_1<< | available |  |
|  | S3‑232028 | Scope for TS 33.533 | Xiaomi Technology | >>CC\_1<<  (keep open)  >>CC\_1<< | available |  |
| 4.27 | S3‑231994 | [draftCR] Living document for SEAL security for network domain interfaces | Samsung | >>CC\_1<<  [Samsung] presents.  [Ericsson] comments.  [Samsung] clarifies.  Chair requests to keep it open.  >>CC\_1<< | available |  |
| 4.28 | S3‑231957 | skeleton draft CR 33.122 on SNAAPPY | NTT DOCOMO INC. | >>CC\_1<<  [Docomo] presents.  [Ericsson] comments.  [Docomo] replies.  [Ericsson] requests to revise.  [Docomo] is ok to revise.  Chair asks to revise it and approve it after 1st challenge deadline.  **Revision will go under 1st challenge deadline.**  >>CC\_1<<  NTT DOCOMO: -r1 is available in drafts, implementing the change  requested in the conf call  [Ericsson] : request revision before approval  NTT DOCOMO: done. -r2 is available in drafts  [Ericsson] : r2 is fine | available |  |
| 5 |  |  |  |  |  |  |
| 5.1 |  |  |  |  |  |  |
| 5.2 |  |  |  |  |  |  |
| 5.3 | S3‑231782 | Evaluation TR 33.740 Sol #12 | InterDigital, Europe, Ltd. |  | available |  |
|  | S3‑231800 | Updates on the solution #23 | Qualcomm Incorporated | [Huawei, HiSilicon]: Clarification and revision are needed before approval.  [Xiaomi]: provides comments and requires clarification before approval | available |  |
|  | S3‑231801 | Updates on the solution #24 | Qualcomm Incorporated | [Huawei, HiSilicon]: Clarification and revision are needed before approval.  [Xiaomi]: provides comments and requires clarification before approval | available |  |
|  | S3‑231802 | Update the evaluation of solution #8 | Qualcomm Incorporated |  | available |  |
|  | S3‑231803 | Update the evaluation of solution #9 | Qualcomm Incorporated |  | available |  |
|  | S3‑231804 | Add an evaluation of solution #11 | Qualcomm Incorporated |  | available |  |
|  | S3‑231860 | pCR to update TR33.740 Solution 11 | China Telecom Corporation Ltd. |  | available |  |
|  | S3‑231864 | Evaluation of TR33.740 Solution 11 | China Telecom Corporation Ltd. |  | available |  |
|  | S3‑231866 | Update to the evaluation of TR33.740 Solution 23 | China Telecom Corporation Ltd. |  | available |  |
|  | S3‑231867 | Update to the evaluation of TR33.740 Solution 24 | China Telecom Corporation Ltd. |  | available |  |
|  | S3‑231998 | EN Resolution of Sol #33 | Samsung, KT |  | available |  |
|  | S3‑232008 | pCR to TR33.740 Update Solution16 for removing EN | CATT | [Huawei, HiSilicon]: revision is needed before approval. | available |  |
|  | S3‑232009 | pCR to TR33.740 Update Solution28 for removing ENs | CATT |  | available |  |
|  | S3‑232051 | Discussion on the provisioning of long term credentials in the UE-to-UE Relay Communication | Beijing Xiaomi Mobile Software | [Ericsson] : provides comments  [Xiaomi]: provides responses. | available |  |
|  | S3‑232052 | Provision the long term credentials during the discovery procedure | Beijing Xiaomi Mobile Software | [Ericsson] : propose to note  [Xiaomi]: provides responses.  [Thales]: proposes to note.  [Xiaomi]: ask for clarification | available |  |
|  | S3‑232053 | Provision the long term credentials during the service authorization procedure | Beijing Xiaomi Mobile Software | [Ericsson] : propose to note  [Xiaomi]: provides responses.  [Thales]: proposes to note.  [Xiaomi]: ask for clarification | available |  |
|  | S3‑232054 | Remove the Editor's Note and evaluate the solution #7 in TR 33.740 | Beijing Xiaomi Mobile Software | [Ericsson] : requires updates before approval | available |  |
|  | S3‑232055 | Remove the Editor's Notes of solution #20 in TR 33.740 | Beijing Xiaomi Mobile Software |  | available |  |
|  | S3‑232056 | Update to solution #30 in TR 33.740 | Beijing Xiaomi Mobile Software |  | available |  |
|  | S3‑232057 | Update evaluation to solution #32 in TR 33.740 | Beijing Xiaomi Mobile Software |  | available |  |
|  | S3‑231783 | New Solution using Re-keying for L2 U2U Relay selection | InterDigital, Europe, Ltd. |  | available |  |
|  | S3‑231784 | New solution KNRP ID privacy L2 U2U Relay reselection | InterDigital, Europe, Ltd. |  | available |  |
|  | S3‑231785 | New solution Model A Relay discovery using multiple key sets | InterDigital, Europe, Ltd. | [Huawei, HiSilicon]: clarification and revision are needed before approval.  [ChinaTelecom]: request clarification before approval. | available |  |
|  | S3‑231822 | ProSe - ProSe - New solution KI#1, 2 | Philips International B.V. |  | available |  |
|  | S3‑231779 | Update to Conclusion to KI #1 | InterDigital, Europe, Ltd. |  | available |  |
|  | S3‑231798 | Discussion on ProSe UE-to-UE Relay discovery security | Qualcomm Incorporated, Deutsche Telekom, Philips International B.V. | [Huawei, HiSilicon]: provides comments and proposes to note.  [Xiaomi]: provides comments | available |  |
|  | S3‑231799 | Conclusion of KI#1 | Qualcomm Incorporated, Deutsche Telekom, Philips International B.V. | [Huawei, HiSilicon]: Clarifications are needed before approval.  [Xiaomi]: provides comments  >>CC\_2<<  Rapporteur proposes discussion agenda.  Chair asks the background.  Rapporteur clarifies.  *Question 1.1:*  *U2U relay discovery security materials are provisioned to UEs by 5G DDNMF in HPLMN or a PKMF?*  [CATT] supports PKMF  [QC] supports PKMF.  [Huawei] proposes to use similar way as UE-to-Network relay, it means 3 different ways.  Chair comments 3 different ways means 3 solutions.  [Huawei] clarifies that 3 solutions has already in TS now.  [CATT] comments PKMF must be supported, and other is ok with such assumption.  [China Telecom] doesn’t consider the discussion is needed, prefers to use current existing solutions.  [Xiaomi] prefers to use current existing solutions.  Chair summarizes existing mechanism covers two cases, asks whether existing mechanism can be used or not.  [QC] comments using 3 solutions are too complex.  [IDCC] has similar consideration as Huawei.  [QC] doesn’t agree.  [QC] clarifies they are not agianst other solutions, but asks why the other 2 solutions are needed.  [Huawei] clarifies.  Chair summarize existing solution does not harm for the new case, asks whether QC can live with it. final anounces **using existing solution** with no objection from QC.  Rapporteur comments other question under Q1 can be skipped.  *Question 2.1:*  *There is a potential security requirement in the TR:*  *The 5G System shall provide a means to protect the privacy sensitive information of source UE and target UE during UE-to-UE Relay discovery procedure.*  *Should we meet this security requirement?*  Chair asks the necessity of this question.  Rapporteur/[CATT] clarifies.  [Huawei] does not agree with CATT’s comments.  [QC] comments.  [Oppo] prefers one key set.  [IDCC] considers one key set is necessary, but two sets is ok for some specific case.  Chair announce a plan to resolve this by a show of hands tomorrow Wednesday and declare a working agreement.  *Question group3: Questions for discovery function is integrated into PC5 establishment procedure.*  [Xiaomi] comments the question is not clear, could not understand the question.  [Huawei] tries to understand and clarifies.  [Philips] comments like Xiaomi, not clear.  [CATT] clarifies.  Chair comments that it is already discussed in SA2, no pending issue, asks why to introduce such question.  [CATT] considers it is related with Philips’ contribution (point to option 2).  [Philips] presents.  Chair requests to continue discussion via email.  >>CC\_2<< | available |  |
|  | S3‑231855 | Conclusion for KI #1 in TR 33.740 | China Telecom Corporation Ltd. |  | available |  |
|  | S3‑231923 | Conclude the KI#1 in TR 33.740 | Huawei, HiSilicon |  | available |  |
|  | S3‑232011 | pCR to TR33.740 Conclusion of key issue #1 | CATT | [Huawei, HiSilicon]: Clarifications/revision are needed before approval.  [Philips] requires clarifications and changes. | available |  |
|  | S3‑232048 | Conclusion on Key Issue #1 in TR 33.740 | Beijing Xiaomi Mobile Software |  | available |  |
|  | S3‑231780 | Update to TR 33.740 Conclusion for KI#2 | InterDigital, Europe, Ltd. | [ChinaTelecom]: request revision before discussed and approved.  [Interdigital]: provides r1 | available |  |
|  | S3‑231820 | ProSe - Conclusion on KI#2 | Philips International B.V. | [ChinaTelecom]: request clarification and revision before approved. | available |  |
|  | S3‑231844 | Conclusion for the KI#2 | ZTE Corporation |  | available |  |
|  | S3‑231868 | Update to conclusion of KI#2 in TR 33.740 | China Telecom Corporation Ltd. |  | available |  |
|  | S3‑231924 | Update to the KI#2 conclusion in TR 33.740 | Huawei, HiSilicon |  | available |  |
|  | S3‑231956 | Update to conclusions on KI#2 | Ericsson |  | available |  |
|  | S3‑232049 | Conclusion on Key Issue #2 in TR 33.740 | Beijing Xiaomi Mobile Software |  | available |  |
|  | S3‑232083 | Further Conclusion on KI#2 | OPPO | [Ericsson] : asking questions | available |  |
|  | S3‑231821 | ProSe - Conclusion on KI#3 | Philips International B.V. | [ChinaTelecom]: request clarification and revision before approved.  [Huawei, HiSilicon]: requests clarification and revision before approved. | available |  |
|  | S3‑231845 | Conclusion for the KI#3 | ZTE Corporation |  | available |  |
|  | S3‑231869 | Update to conclusion of KI#3 in TR 33.740 | China Telecom Corporation Ltd. | [Thales]: provides comments and asks for change. | available |  |
|  | S3‑232050 | Conclusion on Key Issue #3 in TR 33.740 | Beijing Xiaomi Mobile Software |  | available |  |
|  | S3‑231781 | Update to TR 33.740 Conclusion for KI#4 | InterDigital, Europe, Ltd. |  | available |  |
|  | S3‑231870 | Update to conclusion of KI#4 in TR 33.740 | China Telecom Corporation Ltd. |  | available |  |
|  | S3‑231805 | Conclusion of KI#5 | Qualcomm Incorporated |  | available |  |
|  | S3‑231999 | Conclusion on KI #5 | Samsung, KT | [ChinaTelecom]: request revision before approved. | available |  |
|  | S3‑232082 | Conclusion for KI#5 | OPPO | [Ericsson] : asking for clarifications | available |  |
|  | S3‑231847 | Update the conclusion for the KI#6 | ZTE Corporation |  | available |  |
|  | S3‑231871 | Update to conclusion of KI#6 in TR 33.740 | China Telecom Corporation Ltd. |  | available |  |
| 5.4 |  |  |  |  |  |  |
| 5.5 | S3‑231769 | KI#2 conclusion update | Ericsson LM | [Mavenir]: an update is required before agreeing this contribution  [Huawei]: requires removing conclusion update parts as well | available |  |
|  | S3‑231840 | Updating evaluation for solution#3 | China Telecommunications, Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑232061 | Conclusion on Key Issue #4 in TR 33.876 | Beijing Xiaomi Mobile Software | [Mavenir]: Removing the text under the conclusion section is required before agreeing this contribution.  [Huawei]: requires clarifications and changes before approval.  [Nokia]: requires updates in the conclusion part before approval | available |  |
|  | S3‑231735 | pCR Resolving EN in conclusion of ACM\_SBA KI#5 | Nokia, Nokia Shanghai Bell | [Mavenir]: Propose noting this contribution  [Huawei]: points out that added text is not needed but EN can be removed.  [Ericsson]: Supports removing EN to close the KI. Current conclusion is sufficient. Propose to move OCSP text to analysis.  [Nokia]: provides clarifications and -r1. | available |  |
|  | S3‑231738 | pCR Conclusion of ACM\_SBA KI#6 | Nokia, Nokia Shanghai Bell | [Mavenir]: conclusion shall be removed or updated as below before approving this contribution  [Huawei]: proposes to merge with 1939 and to not pursue any particular solution.  [Deutsche Telekom]: supports the proposal to merge with 1939 and to not pursue any particular solution at current stage.  [Nokia]: merges 1939 into 1738 and provides -r1  [Nokia]: proposes to close this thread and continue the discussion in 1737 | available |  |
|  | S3‑231939 | Conclusion for key issue #6 | Huawei, HiSilicon |  | available |  |
|  | S3‑231937 | Resolution of ENs and evaluation of Sol#7 KI#6 | Huawei, HiSilicon | [Mavenir]: Require clarification before agreeing this contribution  [Huawei]: provides clarifications | available |  |
|  | S3‑231737 | pCR Conclusion of ACM\_SBA KI#8 | Nokia, Nokia Shanghai Bell | [Mavenir]: 1. It is not clear whether this contribution an existing text or new text. 2. an update to the conclusion is required before agreeing the contribution  [Huawei]: requests clarifications and proposes to merge with 1938  [Nokia]: merges 1938 into 1737, and provides -r1 and clarifications. | available |  |
|  | S3‑231938 | Analysis and conclusion for key issue #8 | Huawei, HiSilicon | [Mavenir]: an update to the conclusion is required before agreeing the contribution  [Huawei]: proposes to merge with 1737 and agrees to leave this to the normative phase | available |  |
|  | S3‑231736 | pCR Conclusion of ACM\_SBA KI#9 | Nokia, Nokia Shanghai Bell | [Mavenir]: Proposes update to the conclusion before agreeing the contribution.  [Huawei]: fine with this direction to close the topic  [Nokia]: OK with the merge of 1907 into 1736, and provides -r2. | available |  |
|  | S3‑231907 | Add conclusion for key issue #9 | Huawei, HiSilicon | [Nokia]: Propose to merge it in S3-231736  [Mavenir]: Proposes update to the conclusion before agreeing the contribution as per Mavenir proposed conclusion update to Nokia S3-231736  [Huawei]: is fine with merge proposal  [Huawei]: fine with this direction to close the topic and proposes to merge in 1736. | available |  |
|  | S3‑231906 | Add evaluation to solution #18 | Huawei, HiSilicon | [Nokia]: proposes to update the evaluation before approval  [Huawei]: provides r1  [Nokia]: OK with -r1 | available |  |
| 5.6 | S3‑231761 | Discussion on handling of LI for AKMA ph2 services | NDRE, Nokia, Nokia Shanghai Bell, Lenovo |  | available |  |
|  | S3‑231814 | KI1 conclusion for case 1 and case3 | Nokia, Nokia Shanghai Bell, Xiaomi, Lenovo | [NDRE]: Provides comments and proposal for change. | available |  |
|  | S3‑231851 | Conclusion for KI#1 | ZTE Corporation | [NDRE]: Proposes to merge into 1814.  [Nokia]: offline agreed to merge this into 1814 | available |  |
|  | S3‑231925 | Conclusion to KI#1 | Huawei, HiSilicon | [NDRE]: Proposes to note. | available |  |
|  | S3‑231875 | Adding evaluation to Solution#8 | China Telecom Corporation Ltd. | [NDRE]: Proposes to note. | available |  |
|  | S3‑231812 | solution 7 correction | Nokia, Nokia Shanghai Bell, |  | available |  |
|  | S3‑231813 | solution 7 enhancement | Nokia, Nokia Shanghai Bell, |  | available |  |
|  | S3‑231760 | Discussion on handling of LI for AKMA ph2 services | NDRE |  | withdrawn |  |
| 5.7 |  |  |  |  |  |  |
| 5.8 | S3‑231734 | LS Out on Authorization of NF service consumer for AIML model storage and sharing in eNA | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑231730 | pCR\_Resolution of ENs of KI#1 conclusion in eNA\_SEC\_Ph3 | Nokia, Nokia Shanghai Bell | [CMCC]: provide r1.  [Ericsson]: r1 and original contribution require updates | available |  |
|  | S3‑231733 | Discussion paper on eNA\_SEC\_Ph3 KI#1 conclusions | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑231838 | Updating conclusion on KI#1 | China Telecommunications | [Nokia]: proposes a minor revision before approval  [China Telecom]: provides r1  [Nokia]: supports -r1  [CMCC]: request update | available |  |
|  | S3‑231915 | Add Evaluation for Solution for Authorization for eNA Roaming | Huawei, HiSilicon | [Nokia]: requests changes before approval | available |  |
|  | S3‑231916 | Conclusion Update for key issue #1 | Huawei, HiSilicon | [Nokia]: proposes to merge this contribution in S3-231730 | available |  |
|  | S3‑231979 | Conclusion for key issue #1 | China Mobile | [Nokia]: proposes to merge this contribution in S3-231730  [CMCC]: ok with the merge and need some update. | available |  |
|  | S3‑231732 | pCR Resolution of EN of KI#2 conclusion in eNA\_SEC\_Ph3 | Nokia, Nokia Shanghai Bell | [Ericsson]: requires updates | available |  |
|  | S3‑231839 | Updating conclusion on KI#2 | China Telecommunications |  | available |  |
|  | S3‑231903 | Add conclusion for key issue #2 | Huawei, HiSilicon | [Nokia]: requests clarification  [Ericsson]: suggests updates | available |  |
|  | S3‑231729 | Resolution of EN related to encryption in KI#3 conclusion in eNA\_SEC\_Ph3 | Nokia, Nokia Shanghai Bell, Lenovo, Intel | [Ericsson]: proposes updates and asks for clarification | available |  |
|  | S3‑231746 | Resolve first EN to conclusion to KI#3 "Security for AI/ML model storage and sharing" | Ericsson | [Nokia]: supports the contribution  [Intel]: supports the contribution | available |  |
|  | S3‑231747 | Resolve second EN to conclusion to KI#3 "Security for AI/ML model storage and sharing" | Ericsson | [Nokia]: proposes to merge into S3-231729  [Ericsson]: agrees to merge into S3-231729 | available |  |
|  | S3‑231837 | Editorial update to KI#3 | China Telecommunications |  | available |  |
|  | S3‑231731 | pCR Conclusion of eNA\_SEC\_Ph3 KI#4 | Nokia, Nokia Shanghai Bell, Lenovo | [Huawei]: propose to note this contribution.  [Nokia]: provides -r1 for compromise  [Lenovo]: supports revision r1 for compromise | available |  |
|  | S3‑232021 | Update to Solution #9 in eNA | Lenovo |  | available |  |
|  | S3‑231836 | Editorial update to conclusion on KI#5 | China Telecommunications |  | available |  |
|  | S3‑231978 | Update conclusion for key issue #5 | China Mobile |  | available |  |
|  | S3‑231853 | New solution for KI#5 | ZTE Corporation | [Huawei]: propose to note this contribution. | available |  |
|  | S3‑231856 | Add conclusion for KI#5 | ZTE Corporation | [Huawei]: propose to note this contribution. | available |  |
|  | S3‑232022 | Update to Solution #20 in eNA | Lenovo | [Huawei]: request clarification before approval. | available |  |
| 5.9 | S3‑231878 | Update the key issue on EAS discovery security | Ericsson |  | available |  |
|  | S3‑231879 | Update solution #23 EAS discovery procedure protection | Ericsson |  | available |  |
|  | S3‑231880 | Update conclusion on EAS discovery security | Ericsson |  | available |  |
|  | S3‑231943 | Resolving the EN about the security of the communication between V-EASDF and H-EASDF/DNS | Huawei, HiSilicon | [Ericsson] : propose to note the contribution for this meeting | available |  |
|  | S3‑231944 | Resolving the EN about non-roaming case on the configuration of EASDF | Huawei, HiSilicon | [Ericsson] : requires clarification before approval  [Huawei] : provides response | available |  |
|  | S3‑231945 | update to conclusion for KI#1.2 | Huawei, HiSilicon |  | available |  |
|  | S3‑231881 | Resolving EN in solution #25 | Ericsson | [IDCC]: ask clarification  [Ericsson] : provides clarification | available |  |
|  | S3‑231962 | Resolving EN of Conclusion of KI#2.1 | Huawei, HiSilicon | [Ericsson] : requires revision before approval  [Huawei] : provide response  [Samsung] : Propose to note. No clear justification/rational provided to delete the ENs.  >>CC\_2<<  (1962, 1992, 2065 are discussed together)  [Huawei] presents  [Samsung] comments.  [Department of Telecom,India] comments.  [Docomo] comments.  Chair asks to have continue email discussion.  >>CC\_2<< | available |  |
|  | S3‑231990 | Discussion paper on performing only server side authentication | Samsung | [Ericsson] : comments  [Huawei] : propose to note the discussion paper.  [Samsung]: proposes to discuss this contribution under S3-231992 | available |  |
|  | S3‑231992 | Updates to conclusion#2.1 | Samsung | [IDCC]: Add EN to the conclusion  [Ericsson] : requires revision/clarification before approval  [Huawei] : Propose to note.  [Samsung] : Provides clarification. Not addressing the security aspects of unauthenticated EEC/UE is a serious setback for Edge security.  >>CC\_2<<  (1962, 1992, 2065 are discussed together)  [Samsung] presents  [Samsung] clarifies.  [Huawei] dislikes the proposal, comments.  [Ericsson] comments.  [Samsung] clarifies.  >>CC\_2<< | available |  |
|  | S3‑232065 | Update KI#2.1 conclusion of TR 33.739 | Xiaomi communications | [Ericsson] : requires revision before approval  [Xiaomi] : provides r1.  >>CC\_2<<  (1962, 1992, 2065 are discussed together)  [Xiaomi] presents.  >>CC\_2<< | available |  |
|  | S3‑231859 | Update solution#6 | ZTE Corporation |  | available |  |
|  | S3‑231975 | MEC-Resolving the EN of the conclusion of KI#2.2 | Apple | [Samsung]: Propose to note the contribution. Disagree with the proposed updates.  [Huawei] : propose to note.  [Apple]: Provide clarifications to Samsung and Huawei. | available |  |
|  | S3‑231993 | Updates to conclusion#2.2 | Samsung, Huawei, HiSilicon, Intel, ZTE, Thales, CableLabs | [Apple]: Propose to note the contribution. Disagree with the proposed updates.  >>CC\_2<<  [Samsung] presents.  [Apple] doesn’t agree. That is pure UE implementation.  [Samsung] clarifies.  [Xiaomi] comments the enhancement of TLS is out of 3GPP.  [Oppo] agrees with Xiaomi and Apple.  [Huawei] supports this contribution, replies to Apple, Xiaomi and Oppo that is not enhancement of TLS.  Chair asks technical argument from Apple.  [Apple] replies.  [Samsung] clarifies.  Chair proposes to have show of hands as it was discussed several meetings.  [Oppo] asks whether system is broken if such option is not implemented.  [Docomo] asks how to manage such option?  [Samsung] clarifies.  [Docomo] doesn’t think such option is benefit but complexity.  [Samsung] clarifies.  [Apple] comments  [Samsung] replies to Docomo and Apple.  Chair proposes a show of hand tomorrow to resolve it  >>CC\_2<< | available |  |
|  | S3‑231788 | A new solution for KI#2.3 | InterDigital Communications | [Ericsson] : proposes to note the contribution  [Huawei] : Huawei proposes to note this contribution and shares the same view with Ericsson. | available |  |
|  | S3‑231787 | Updates for Solution #26 | InterDigital Communications | [Ericsson] : requires revision before approval  [Huawei]: provides comments on the proposed solution and request revision. | available |  |
|  | S3‑231882 | Resolving ENs in solution #27 | Ericsson |  | available |  |
|  | S3‑231885 | Update conclusion on authorization between EESes | Ericsson |  | available |  |
|  | S3‑231958 | Adding evalution for Sol#26 | Huawei, HiSilicon | [IDCC]: Do not agree with the added wording, propose to note the TDoc. | available |  |
|  | S3‑231959 | Adding evalution for sol#27 | Huawei, HiSilicon | [Ericsson] : proposes to note the contribution | available |  |
|  | S3‑231960 | Resolving EN of Conclusion of KI#2.6 | Huawei, HiSilicon | [IDCC]: Do not agree to remove EN without justification  [Ericsson] : requires revision before approval | available |  |
|  | S3‑231876 | New key issue on EEC provided IP address verification | Ericsson | [Huawei]: propose to be noted  >>CC\_2<<  [Ericsson] presents.  >>CC\_2<< | available |  |
|  | S3‑231877 | A solution for EEC provided IP address verification | Ericsson | [IDCC]: Propose to note the conclusion  [Ericsson] : provides clarification | available |  |
|  | S3‑231883 | Conclusion for EEC provided IP address verification | Ericsson | [IDCC]: Propose to note the conclusion | available |  |
|  | S3‑231976 | MEC-New key issue on verification of UE provided information | Apple | [Ericsson] : proposes to merge into 1876  >>CC\_2<<  [Apple] gives brief introduction, similar with Ericsson’s contribution(1876).  [Samsung] asks why new solution needed.  [Docomo] comments.  [Huawei] comments.  [Ericsson] clarifies.  [Apple] clarifies.  Chair asks to continue email discussion.  >>CC\_2<< | available |  |
|  | S3‑231991 | [draft] LS on mutual authentication requirement in EDGE | Samsung |  | available |  |
| 5.10 | S3‑231714 | LS on Alignment of SA3 security aspects for Personal IoT Networks | S6-230792 | >>CC\_1<<  [IDCC] presents.  Chair proposes to keep discussion  >>CC\_1<< | available |  |
|  | S3‑231725 | Draft Reply LS on Alignment of SA3 security aspects for Personal IoT Networks | InterDigital, Inc. |  | available |  |
|  | S3‑231724 | DP on the need and means of alignment between PIN work in SA3 and SA6 | InterDigital, Inc. | [Huawei]:propose to noted the discussion paper. | available |  |
|  | S3‑231726 | PCR TR 33.882 New KI#Y | InterDigital, Inc. | [Huawei]: clarification is needed before approval. | available |  |
|  | S3‑231727 | PCR TR 33.882 New KI#X | InterDigital, Inc. | [Huawei]: clarification is needed before approval. | available |  |
|  | S3‑231728 | PCR TR 33.882 KI#1 Modification | InterDigital, Inc. | [Huawei]: clarification is needed before approval. | available |  |
|  | S3‑232072 | New Sol for KI #2 of TR 33.882 | Xiaomi communications |  | available |  |
|  | S3‑231833 | Editorial changes in solution 3 | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑231834 | Resolution of editor’s note in solution 10 | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑231811 | Conclusion for KI#1 | Qualcomm Incorporated | [Interdigital]: clarification and changes are needed before approval.  [Qualcomm]: Provides clarification. | available |  |
|  | S3‑231825 | Conclusion for KI#1 | THALES | [Interdigital]: clarification and changes are needed before approval. | available |  |
|  | S3‑231831 | Conclusions to KI#1 | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑231849 | Add conclusion for KI#1 | ZTE Corporation |  | available |  |
|  | S3‑231934 | add conclusion to KI#1 | Huawei, HiSilicon | [Interdigital]: clarification and changes are needed before approval.  [Huawei]: replies. | available |  |
|  | S3‑232071 | Add conclusion to KI #1 of TR 33.882 | Xiaomi communications |  | available |  |
|  | S3‑231832 | Conclusions to KI#2 | Nokia, Nokia Shanghai Bell | [Interdigital]: clarification is needed before approval. | available |  |
|  | S3‑231850 | Add conclusion for KI#2 | ZTE Corporation |  | available |  |
|  | S3‑231872 | Conclusion for KI#2: Authorization of PIN capabilities. | Intel |  | available |  |
|  | S3‑232070 | Add conclusion for KI #2 of TR 33.882 | Xiaomi communications |  | available |  |
| 5.11 | S3‑231909 | Conclusion on Revocation for key issue#2 | Huawei, HiSilicon | [Ericsson] : proposes to postpone the contribution  [Nokia] : asks clarification  >>CC\_2<<  [Huawei] presents.  [Docomo] comments, don’t know whether it excludes updates in future.  Chair asks whether it means new requirements needed?  [Docomo] confirms.  [Ericsson] comments, proposes to postpone.  [Xiaomi] supports to postpone.  [Huawei] points revocation is not in scope of WID. If there is no conclusion in this meeting, it will miss R18.  [Docomo] points out general revocation is not objected, but details. It implies no delay without conclusion in this meeting.  Chair tries to find a way forward, proposes a possible offline call before next meeting.  >>CC\_2<< | available |  |
|  | S3‑231914 | Conclusion on Authorization for key issue#2 | Huawei, HiSilicon | [Ericsson] : requires revision before approval  >>CC\_2<<  [Huawei] presents and shows motivation.  [Docomo] comments to update PKCE flow.  [Nokia] comments.  [Ericsson] comments.  [Huawei] clarifies.  >>CC\_2<< | available |  |
|  | S3‑232079 | Update conclusion of TR 33.884 | Xiaomi communications | [Ericsson] : proposes to note the conclusion proposal  [Xiaomi] : provides r1.  >>CC\_2<<  [Xiaomi] presents.  [Ericsson] proposes to note.  [Huawei] has similar comment as Ericsson.  [Docomo] comments.  [Xiaomi] clarifies.  >>CC\_2<< | available |  |
|  | S3‑232003 | Conclusion | Samsung | [Huawei]: Change required before approval.  [Ericsson] : proposes to note  [Samsung]: fine to note | available |  |
|  | S3‑231910 | Update on solution #1 | Huawei, HiSilicon |  | available |  |
|  | S3‑231912 | Address EN on solutiion #1 username mapping | Huawei, HiSilicon |  | available |  |
|  | S3‑231913 | Address EN on solutiion #1 message of scope | Huawei, HiSilicon |  | available |  |
|  | S3‑231946 | Sol#1 Adding evaluation - being not in line with OAuth 2.0 architecture | Nokia, Nokia Shanghai Bell | [Huawei]: Change required before approval. | available |  |
|  | S3‑232095 | Addressing editor's notes for solution 6.2 | NTT DOCOMO INC. |  | available |  |
|  | S3‑231948 | Sol#3 Evaluation related to additional scope and its restriction | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑231947 | Sol#3 Resolving ENs on scopes and claims | Nokia, Nokia Shanghai Bell | [Xiaomi]: provides comments.  [Nokia]: provides responses. | available |  |
|  | S3‑231949 | Sol#3 Evaluation on exposure of UE identity | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑232023 | Update to Solution #4 in Snaappy | Lenovo |  | available |  |
|  | S3‑232024 | Update to Solution #5 in Snaappy | Lenovo | [Samsung]: requests clarification before approval  [Lenovo]: provides clarifications.  [Samsung]: supports this contribution  [Nokia]: comments and requires updates | available |  |
|  | S3‑231884 | Resolving ENs in solution #6 | Ericsson | [Samsung]: requests clarification before approval  [Ericsson] : provides clarification  [Samsung]: requests more clarification  [Ericsson] : provides further clarification  [Samsung]: requests revision.  [Nokia] : requests updates / clarifications | available |  |
|  | S3‑232096 | Addressing editor's notes for solution 6.7 | NTT DOCOMO INC. |  | available |  |
|  | S3‑232078 | Resolve EN for Sol #9 of TR 33.884 | Xiaomi communications |  | available |  |
|  | S3‑232074 | Add evaluation to Sol #9 of TR 33.884 | Xiaomi communications |  | available |  |
|  | S3‑232075 | Add evaluation to Sol #10 of TR 33.884 | Xiaomi communications |  | available |  |
|  | S3‑232001 | Updates to Sol#11 | Samsung |  | available |  |
|  | S3‑232000 | Resolving EN on Sol#11 | Samsung | [Xiaomi]: requests clarification.  [Samsung]: provides clarification  [Xiaomi]: requests further clarification.  [Samsung]: provides further clarification | available |  |
|  | S3‑232002 | Updates to Sol#12 | Samsung |  | available |  |
|  | S3‑231908 | New Solution on Revocation using Short-lived Token | Huawei, HiSilicon | [Samsung]: requests clarification before approval  [Xiaomi]: requests clarification before approval  [Huawei]: provide clarification.  [Samsung]: requests update on the evaluation  [Ericsson] : requires revision before approval | available |  |
|  | S3‑231911 | New Solution on Resource Owner Authorization using Authorization Code Grant | Huawei, HiSilicon | [Samsung]: requests clarification  [Huawei]: provide clarification.  [Nokia]: propose to note | available |  |
|  | S3‑232076 | KI#1 and KI#2 New Sol on resource owner policies based authorization mechanism | Xiaomi communications |  | available |  |
|  | S3‑232077 | KI#2 New Sol on User authorization revocation for API invocation procedure | Xiaomi communications |  | available |  |
|  | S3‑232097 | New solution: authorization revocation for persistent changes | NTT DOCOMO INC. |  | available |  |
| 5.12 | S3‑231888 | KI#1 update | Huawei, HiSilicon |  | available |  |
|  | S3‑231862 | Update KI#2 | ZTE Corporation | [Huawei] provide comments | available |  |
|  | S3‑232084 | update to KI#2 temporary network slice | Nokia, Nokia Shanghai Bell | [Huawei] provide comments | available |  |
|  | S3‑231863 | New solution for KI#2 | ZTE Corporation | [Huawei] provide comments | available |  |
|  | S3‑231889 | new solution to KI#2 | Huawei, HiSilicon |  | available |  |
|  | S3‑232085 | solution for KI#2 temporary network slice for NSSAA | Nokia, Nokia Shanghai Bell | [Huawei] provide comments | available |  |
|  | S3‑232086 | evaluation for KI#2 temporary network slice for NSSAA | Nokia, Nokia Shanghai Bell | [Huawei] provide comments | available |  |
|  | S3‑231751 | Conclusion for KI#2 | Ericsson | [Huawei] disagrees with the conclusion. | available |  |
|  | S3‑231865 | Add conclusion for KI#2 | ZTE Corporation |  | available |  |
|  | S3‑231890 | conclusions to KI#2 | Huawei, HiSilicon |  | available |  |
|  | S3‑232087 | conclusion for KI#2 temporary network slice for NSSAA | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑231792 | Adding some evaluation to solution #1 | Qualcomm Incorporated | [Huawei] disagrees with the proposed text to solution #1 | available |  |
|  | S3‑231891 | update to solution#1 | Huawei, HiSilicon |  | available |  |
|  | S3‑231971 | Minor editorial correction to solution #1 | LG Electronics |  | available |  |
|  | S3‑231793 | Adding some evaluation to solution #2 | Qualcomm Incorporated |  | available |  |
|  | S3‑231970 | EN addition to solution #2 | LG Electronics |  | available |  |
|  | S3‑232088 | evaluation for KI#3 network slice admission control | Nokia, Nokia Shanghai Bell | [Huawei] provide comments | available |  |
|  | S3‑232073 | New Sol for KI #3 of TR 33.886 | Xiaomi communications |  | available |  |
|  | S3‑231752 | Conclusion for KI#3 | Ericsson | [Huawei] disagrees with the conclusion text | available |  |
|  | S3‑231892 | conclusions to KI#3 | Huawei, HiSilicon |  | available |  |
|  | S3‑232089 | conclusion for KI#3 network slice admission control | Nokia, Nokia Shanghai Bell |  | available |  |
| 5.13 |  |  |  |  |  |  |
| 5.14 |  |  |  |  |  |  |
| 5.15 | S3‑231762 | Conclusion for key issue #1 | Ericsson, BT | [Huawei]: provides r1 and would like to co-sign. | available |  |
|  | S3‑231763 | Resolve EN for conclusion for key issue #2 | Ericsson | [Huawei]: propose to merge and move the discussion to thread S3-231790.  [Ericsson]: would be fine merging this to 1790 and continuing the discussion in that e-mail thread. | available |  |
|  | S3‑231764 | LS on third party specific user identities in IMS | Ericsson | [Huawei]: requires clarification. | available |  |
|  | S3‑231790 | Update of the conclusion on data channel security | Qualcomm Incorporated | [Huawei]: revision is needed before approval | available |  |
|  | S3‑231967 | conclusion on key issue 1 | Huawei, HiSilicon | [Huawei]: propose to merge and move the discussion to thread S3-231762. | available |  |
|  | S3‑231968 | Resolving EN in Conclusions for KI #2 | Huawei, HiSilicon | [Huawei]: propose to merge and move the discussion to thread S3-231790. | available |  |
| 5.16 | S3‑231753 | Discussion for removal of Editor's note in conclusion for trusted N3GPP access | Ericsson | [Nokia]: Proposes to note and provides clarification | available |  |
|  | S3‑231754 | Updated conclusion for KI#1 regarding trusted access | Ericsson | [Nokia]: Request clarifications before acceptable.  [Ericsson]: Provides clarification about fix input to hash  >>CC\_2<<  (1754, 1830 and 1933, discussed together)  [Ericsson] presents.  Chair asks difference.  [Ericsson] clarifies different solutions have different impact.  Chair asks comparison and least impact.  [Ericsson] comments there is contribution to make comparison.  [Nokia] comments all solution has pros and cons.  [Huawei] comments.  [Lenovo] prefers Nokia’s solution.  [Ericsson] comments to choose most secure solution.  Chair asks rapporteur to make comparison and prepare for show of hands tomorrow.  Rapporteur doesn’t consider show of hands useful due to few of active player.  Chair clarifies, try to find a way forward.  [Nokia] is fine with show of hands, and comments.  [Ericsson] comments there is already comparison paper.(1753)  [Huawei] is fine with show of hands.  [Ericsson] comments to have technical discussion before show of hands.  [Nokia] comments to review contribution 1830  [QC] comments.  >>CC\_2<< | available |  |
|  | S3‑231830 | Resolution of EN – conclusion to KI#1 – Trusted access | Nokia, Nokia Shanghai Bell, Lenovo, Intel | [Huawei]: ask for clarification before approval.  [Nokia]: Provides answers to Huawei  >>CC\_2<<  [Nokia] presents.  >>CC\_2<< | available |  |
|  | S3‑231932 | Delete Editor's Note to sol#18 | Huawei, HiSilicon | [Ericsson]: requires updates  [Ericsson]: requires updates  [Nokia]: requires updates before acceptable. | available |  |
|  | S3‑231933 | Update conclusion 7.1.3 | Huawei, HiSilicon | >>CC\_2<<  [Huawei] presents.  >>CC\_2<< | available |  |
|  | S3‑232067 | Update solution #2 of TR 33.85 | Xiaomi communications | [Ericsson]: requires updates  [Ericsson]: requires updates  [Xiaomi]: provides r1. | available |  |
|  | S3‑231755 | Updated conclusion for KI#1 regarding untrusted access | Ericsson | [Nokia]: Proposes to merge S3-231755 into S3-231829.  [Ericsson]: Fine with merge of S3-231755 into S3-231829.  [Nokia]: Answer to question from Ericsson and closes threat for discussions. | available |  |
|  | S3‑231829 | Resolution of EN – conclusion to KI#1 – Untrusted access | Nokia, Nokia Shanghai Bell | [Nokia]: Proposes first draft of merging S3-231755 into S3-231829.  [Ericsson]: r1 OK | available |  |
|  | S3‑231756 | Updated conclusion for KI#1 regarding N5CW access | Ericsson |  | available |  |
|  | S3‑231757 | Removing Editor’s notes in Solution #14 | Ericsson |  | available |  |
|  | S3‑231917 | New Solution on Implicit Authentication for Serving Network for NSWO support in SNPN | Huawei, HiSilicon | [Ericsson]: Asks for clarification | available |  |
|  | S3‑231918 | Conclusion for Implicit Authentication for Serving Network related to NSWO | Huawei, HiSilicon |  | available |  |
|  | S3‑232066 | Update conclusion of NSWO support in SNPN | Xiaomi communications | [Ericsson]: Proposes to note | available |  |
|  | S3‑232092 | Solutions using credential holder for KI#1 | CableLabs | [Ericsson]: requires update | reserved |  |
|  | S3‑232093 | Additional conclusions on credential holder for KI#1 | CableLabs | [Ericsson]: requires update  [CableLabs]: provide comments. | available |  |
|  | S3‑231749 | Updated conclusion of KI#2 Authentication for UE access to hosting network | Ericsson |  | available |  |
|  | S3‑232025 | Update to Solution #16 | Lenovo | [Ericsson]: requires updates  [Lenovo]: Provides clarification.  [Huawei]: propose to note this contribution.  [Ericsson]: Provides comments and asks to consider not to note to be able to conclude the study in this meeting.  [Ericsson]: replies to Lenovo | available |  |
| 5.17 |  |  |  |  |  |  |
| 5.18 | S3‑231770 | Conclusion for KI#1 | Lenovo, AT&T, Broadcom, CableLabs, CATT, China Mobile, Intel, LGE, NEC, Nokia Shanghai Bell, Nokia | [Lenovo]: revision r1 with additional supporting company is uploaded | available |  |
|  | S3‑231894 | conclusions to KI#1 | Huawei, HiSilicon |  | available |  |
|  | S3‑231828 | Resolution of editor’s note in solution 1 | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑231874 | Adding evaluation to Solution#3 | China Telecom Corporation Ltd. |  | available |  |
|  | S3‑231893 | new solution to KI#1 | Huawei, HiSilicon | [Lenovo]: requests update to the evaluation  [Huawei]: r1 provided in response to Lenovo.  [Google]: wonders if the proposed solution is able to mitigate the threat identified in the KI.  [Huawei]: r1 provided in response to Lenovo. | available |  |
|  | S3‑231977 | USIA- Adding the evaluation for solution#1 | Apple | [Lenovo]: requests update to the evaluation  [Nokia]: Request clarification before acceptable. | available |  |
| 5.19 | S3‑231824 | Ranging - Update KI#1 | Philips International B.V. |  | available |  |
|  | S3‑231896 | update to solution 1 | Huawei, HiSilicon |  | available |  |
|  | S3‑232029 | 33.893: Additional Evaluation for Solution #1 | Xiaomi Technology |  | available |  |
|  | S3‑232031 | 33.893: Resolve the Editor’s Note in Solution #8 | Xiaomi Technology |  | available |  |
|  | S3‑232033 | 33.893: New Solution on Privacy Protection of Located UE during its Discovery and Selection | Xiaomi Technology |  | available |  |
|  | S3‑231897 | conclusion on key issue 1 | Huawei, HiSilicon |  | available |  |
|  | S3‑232038 | 33.893: Conclusion on Key Issue #1 | Xiaomi Technology |  | available |  |
|  | S3‑232030 | 33.893: Update to Solution #2 | Xiaomi Technology |  | available |  |
|  | S3‑232034 | 33.893: New Solution on Client UE Authorization for Service Exposure through the Network | Xiaomi Technology |  | available |  |
|  | S3‑232035 | 33.893: New Solution on Client UE Authorization for Service Exposure through PC5 | Xiaomi Technology |  | available |  |
|  | S3‑232060 | New solution on authorization of MO-LR procedure for Network assisted SL Positioning in TR 33.893 | Beijing Xiaomi Mobile Software |  | available |  |
|  | S3‑232039 | 33.893: Further Conclusions for KI#2 on Authorization for Service Exposure | Xiaomi Technology |  | available |  |
|  | S3‑232040 | 33.893: Further Conclusions for KI#2 on Authorization of UE Role | Xiaomi Technology |  | available |  |
|  | S3‑232058 | Update to conclusion for KI#2 in TR 33.893 | Beijing Xiaomi Mobile Software |  | available |  |
|  | S3‑231808 | Updates on the solution #12 | Qualcomm Incorporated | [Xiaomi]: provides comments and proposal for change | available |  |
|  | S3‑231809 | Update on solution #9 | Qualcomm Incorporated | [Xiaomi]: disagrees with the proposed change and provides comments | available |  |
|  | S3‑232059 | Remove the Editor’s Note of solution #9 in TR 33.893 | Beijing Xiaomi Mobile Software |  | available |  |
|  | S3‑231954 | New solution with Network assisted SL positioning discovery security material provisioning | Ericsson |  | available |  |
|  | S3‑232006 | New solution on Protecting Ranging/SL Positioning discovery out of network coverage | BUPT, OPPO |  | available |  |
|  | S3‑231806 | Update of a conclusion for KI #3 | Qualcomm Incorporated | [Xiaomi]: disagrees with the proposed change and provides comments | available |  |
|  | S3‑231858 | Add conclusion for KI#3 | ZTE Corporation | [Xiaomi]: proposes to merge with 2041  [ZTE]: Fine to merge. | available |  |
|  | S3‑231921 | update to the conclusion of KI#3 in TR 33.893 | Huawei, HiSilicon | [Xiaomi]: proposes to merge with 2041 | available |  |
|  | S3‑232041 | 33.893: Further Conclusions for KI#3 | Xiaomi Technology |  | available |  |
|  | S3‑231920 | Address EN and update evaluation to Sol#13 | Huawei, HiSilicon |  | available |  |
|  | S3‑232032 | 33.893: Resolve the Editor’s Note in Solution #14 | Xiaomi Technology |  | available |  |
|  | S3‑231955 | New solution with Network assisted SL positioning provisioning long term key | Ericsson |  | available |  |
|  | S3‑231922 | conclusion for the KI#4 in TR 33.893 | Huawei, HiSilicon |  | available |  |
|  | S3‑232042 | 33.893: Conclusion on Key Issue #4 | Xiaomi Technology | [ZTE]: provide clarification. | available |  |
|  | S3‑231852 | Update the key issue 5 | ZTE Corporation | [OPPO]: Require Clarification  [Xiaomi]: provides comments  [ZTE]: provide clarification. | available |  |
|  | S3‑231807 | Updates on the solution #15 | Qualcomm Incorporated | [OPPO]: Ask for clarification  [Philips] asks for revision. | available |  |
|  | S3‑231895 | update to solution 15 | Huawei, HiSilicon |  | available |  |
|  | S3‑231771 | Protection of broadcast communication | Lenovo | [OPPO]: require clarification | available |  |
|  | S3‑231823 | Ranging - New solution KI#5 | Philips International B.V. |  | available |  |
|  | S3‑231854 | A new solution for the key issue 5 (broadcast) | ZTE Corporation | [Xiaomi]: provides comments and proposals for change | available |  |
|  | S3‑231857 | A new solution for the key issue 5 (groupcast) | ZTE Corporation | [Xiaomi]: provides comments and proposals for change | available |  |
|  | S3‑232004 | New solution on security of Ranging or SL positioning groupcast communication | OPPO |  | available |  |
|  | S3‑232012 | pCR to TR33.893 New solution for provisioning broadcast protection keys in coverage | CATT | [OPPO]Require clarification. | available |  |
|  | S3‑232013 | pCR to TR33.893 New solution for provisioning groupcast/broadcast protection keys out of coverage | CATT | [OPPO]Require clarification.  [Xiaomi] asks for clarification and provides comments. | available |  |
|  | S3‑232015 | pCR to TR33.893 New solution for protecting groupcast/broadcast messages | CATT | [OPPO]Require clarification and update. | available |  |
|  | S3‑232036 | 33.893: New Solution on Protection for Groupcast of SLPP Signalling | Xiaomi Technology |  | available |  |
|  | S3‑232037 | 33.893: New Solution on Protection for Broadcast of SLPP Signalling | Xiaomi Technology |  | available |  |
|  | S3‑232094 | New solution on KI#5 protection of broadcast communication | BUPT |  | available |  |
|  | S3‑231810 | conclusion for KI#5 | Qualcomm Incorporated |  | available |  |
|  | S3‑231861 | Conclusion for the key issue 5 | ZTE Corporation |  | available |  |
|  | S3‑231873 | New Key issue for Monitoring and detecting attacks on ranging devices and services | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑232005 | New solution on security of Ranging or SL positioning broadcast communication | OPPO |  | withdrawn |  |
| 5.20 | S3‑232080 | User Consent in AI/ML | OPPO | [Nokia]: propose to note the contribution, we can further discuss the same at the pCR document S3-232081  [OPPO]: provides response.  [QC]: Propose to note.  [Ericsson]: propose to postpone the discussion paper till SA3#111 in Berlin, in benefit for a general SA3 discussion on user authorization for data exposure to 3 party. | available |  |
|  | S3‑231904 | Add evaluation for solution # 1 | Huawei, HiSilicon |  | available |  |
|  | S3‑231983 | Add evaluation on sol#3 | OPPO |  | available |  |
|  | S3‑231984 | Further evaluation on sol#4 | OPPO | [Ericsson]: propose to note | available |  |
|  | S3‑231985 | Add evaluation on sol#5 | OPPO |  | available |  |
|  | S3‑231986 | Update Sol #6 for AIML Security | OPPO | [Nokia]: ask clarification  [OPPO]: provide clarification. | available |  |
|  | S3‑231786 | Authorization of AF for Policy Management | InterDigital Communications | [Ericsson]: proposes to note  [Nokia]: ask clarification  [IDCC]: clarification  [Nokia]: ask further clarification | available |  |
|  | S3‑231905 | Add conclusion for key issue #1 | Huawei, HiSilicon | [QC]: Change required before agreement.  [Ericsson]: Changes required before agreement. | available |  |
|  | S3‑232081 | Further Conclusion on KI#1 | OPPO | [Nokia]: ask for clarification  [OPPO]: provides clarification.  [QC]: Propose to note.  [Nokia]: replying to OPPO and WC  [OPPO]: provides clarification to Qualcomm and Nokia.  [Ericsson]: requires updates. | available |  |
| 5.21 | S3‑232018 | Update to Key Issue #1 | Lenovo |  | available |  |
|  | S3‑231835 | New Key Issue: Support for Policy Decision Points within 5GC SBA | MITRE Corporation, Nokia, Nokia Shanghai Bell, Lenovo |  | available |  |
|  | S3‑232019 | Data collection for Security Monitoring | Lenovo, Charter Communications, US National Security Agency, Telefonica, Rakuten Mobile, Center for Internet Security, Cablelabs |  | available |  |
|  | S3‑232020 | NF State related data collection for Security Monitoring | Lenovo, Charter Communications, US National Security Agency, Telefonica, Rakuten Mobile, Center for Internet Security, Cablelabs |  | available |  |
|  | S3‑231940 | Evaluation of tenet 4 on resource access | Huawei, HiSilicon |  | available |  |
|  | S3‑231941 | Additions to the evaluation of tenet 5 on security posture | Huawei, HiSilicon | [Lenovo]: Propose to merge S3-231941, S3-232014 and S3-231722 using S3-232014 as base document.  Continue discussion in S3-232014 thread.  [Lenovo]: Propose to merge S3-231941, S3-232014 and S3-231722 using S3-231941 as base document.  [Nokia]: comments  [Lenovo]: provides r1.  Merged S3-232014 in r1.  [Ericsson]: Merged S3-231722 in draft\_S3-231941-r2, also taken Nokia comments in consideration.  [Huawei]: in general fine with the direction in r2. | available |  |
|  | S3‑232014 | Update to Tenet #5 | Lenovo, US National Security Agency, Charter Communications, Rakuten Mobile, Center for Internet Security, Cablelabs, Intel | [Ericsson]: Propose to merge with S3-231722 and S3-231941, using either of these as a base, since those share more similarities.  [Lenovo]: It is okay to merge with S3-231722 and S3-231941. We can use S3-231941 as a base, as it has some significant clarifications. | available |  |
|  | S3‑231722 | Alignment of 3GPP’s 5G Security to the fifth NIST Tenet of ZTA | Ericsson | [Lenovo]: Propose to merge S3-231941, S3-232014 and S3-231722 using S3-232014 as base document.  Continue discussion in S3-232014 thread. | available |  |
|  | S3‑232016 | Update to Tenet #6 | Lenovo, US National Security Agency, Charter Communications, Rakuten Mobile, Center for Internet Security, Cablelabs, Intel | [Ericsson]: Propose to note, and merge S3-231942 with S3-231722 using either of these as a base.  [Lenovo]: Lenovo disagree with Ericsson’s comment which NOTE this document with no correct justification.  Also it violates the agreed Tenet evaluation template. | available |  |
|  | S3‑231942 | Updates to the evaluation of tenet 6 on access security | Huawei, HiSilicon | [Lenovo]: Propose to merge S3-231942, S3-232016 and S3-231723 using S3-232016 as base document.  Continue discussion in S3-232016 thread.  [Lenovo]: Provides r1 to correct the evaluation.  Asks to retain the previously discussed and agreed text.  [Huawei]: disagrees with r1 | available |  |
|  | S3‑231723 | Alignment of 3GPP’s 5G Security to the sixth NIST Tenet of ZTA | Ericsson | [Lenovo]: Propose to merge S3-231942, S3-232016 and S3-231723 using S3-232016 as base document.  Continue discussion in S3-232016 thread.  [Lenovo]: Propose to note this contribution.  Instead of addressing the open aspects related to tenet 6, this contribution is changing the already agreed aspects of tenet 6. | available |  |
|  | S3‑232017 | Cleanup of Tenet #7 | Lenovo | [Huawei]: disagrees with proposal since it leaves the evaluation incomplete. | available |  |
| 5.22 | S3‑231741 | LS out on user consent in roaming scenarios | Nokia, Nokia Shanghai Bell | [QC]: Propose to note.  [Nokia]: provides clarifications and proposes to withdraw the objection | available |  |
| 5.23 | S3‑231796 | An update on the evaluations of solution #1 | Qualcomm Incorporated | [Samsung]: Propose to note the contribution. Disagrees with the proposed evaluation | available |  |
|  | S3‑231995 | [MBS] Updates to solution#1 | Samsung | [Ericsson]: questions  [Samsung]: provides response | available |  |
|  | S3‑231996 | [MBS] Evaluation for solution#3 | Samsung |  | available |  |
|  | S3‑231900 | Update to the solution 3 | Huawei, HiSilicon |  | available |  |
|  | S3‑231797 | Conclusion for Key Issue #1 | Qualcomm Incorporated | [Samsung]: Requests clarification before approval  [Huawei]: provides comment;  [Ericsson]: supports conclusion proposed by Qualcomm;  [Samsung]: Propose compromised conclusion | available |  |
|  | S3‑231997 | [MBS] Conclusion for Key Issue#1 | Samsung |  | available |  |
|  | S3‑231901 | conclusion on key issue 1 | Huawei, HiSilicon |  | available |  |
|  | S3‑231794 | A new solution for mitigating privacy attacks exploiting group paging with TMGI | Qualcomm Incorporated | [Ericsson]: proposes to note  [Qualcomm]: answers to questions, and disagrees with the reason to note. | available |  |
|  | S3‑231898 | A new solution to address the privacy issue with TMGI | Huawei, HiSilicon | [Ericsson]: comment | available |  |
|  | S3‑231750 | Conclusion for KI#2 | Ericsson | [Qualcomm]: proposes to note this contribution. | available |  |
|  | S3‑231795 | Conclusion for Key Issue #2 | Qualcomm Incorporated | [Ericsson]: proposes to note | available |  |
|  | S3‑231899 | conclusion on key issue 2 | Huawei, HiSilicon | [Ericsson]: comment | available |  |
| 5.24 |  |  |  |  |  |  |
| 5.25 | S3‑232043 | 33.700-28: Update to Key Issue #1 | Xiaomi Technology |  | available |  |
|  | S3‑231742 | Discussion on NTN AF Authorization (Rel18) | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑231743 | Solution for AF Authorization | Nokia, Nokia Shanghai Bell | [Xiaomi]: proposes to merge with 2044  [Nokia]: response to the 1743 and 2044 can be merged, and 2044 can be used as baseline | available |  |
|  | S3‑232044 | 33.700-28: Solution on AF Authorization for Providing Satellite Coverage Information | Xiaomi Technology |  | available |  |
|  | S3‑231744 | Conclusion for KI #1 | Nokia, Nokia Shanghai Bell |  | available |  |
|  | S3‑232045 | 33.700-28: Conclusion on Key Issue #1 | Xiaomi Technology |  | available |  |
|  | S3‑232046 | 33.700-28: New Key Issue on Protection of Satellite Coverage Info received by the UE | Xiaomi Technology | [Nokia]: is requesting clarification on the new proposed key issue  [Xiaomi]: provides clarification | available |  |
|  | S3‑232047 | 33.700-28: Solution on Protection of PDU Session carrying Satellite Coverage Information | Xiaomi Technology | [Nokia]: is requesting clarification on the proposed solution  [Xiaomi]: provides clarification | available |  |
| 6 |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |