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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 summarizes 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 deadline.**>>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 deadline.**>>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<<Draft\_S3-231717-r1 uploaded, discussion with way forward proposal>>CC\_3<<Chair announces GSMA LS offline discussion, and asks Docomo to hold the pen to send an LS to SA2.The draft LS will be discussed under the S3-231717 thread. Meeting minutes from the call will be uploaded separately.>>CC\_3<< | 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  |    |
| 4 |  |    |    | 　 |    |    |
| 4.1 |  |    |    | 　 |    |    |
| 4.2 |  |    |    | 　 |    |    |
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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.[Ericsson] : provides comments | 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.[Interdigital] : provides r2[Ericsson] : not fine with r2, uploaded r3[Ericsson] : ask for clarification[Interdigital] : provide clarification to Huawei on question about “dedicated DNN”[Interdigital] : not OK with r3 provides r4 | 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[Interdigital]: requests Ericsson to help with reconciling their 2 conflicting requests. Reminds Work objective primary focus on CP.[Ericsson]: provides comments[Interdigital]: provides r1 merger of S3-231887, S3-231931[Huawei]: fine with r1. | 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[Qualcomm]: requests clarification/revision before approval | 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.[Huawei]: fine with r4[Thales]: is fine with r4.[ZTE]: Fine with R4. | 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.[ZTE]: Fine with R2. | 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.[Huawei]: provides further comments[Ericsson]: requests for clarifications and provides further clarifications.[Qualcomm]: proposes to note for this meeting[Ericsson]: provides clarifications and r1.[Huawei]: replies to comments[Ericsson]: Requests for clarifications.MCC commented the duplication of content should be avoided. References can be added where applicable. | 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.[Qualcomm]: proposes to note for this meeting. | 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[Ericsson]: Requests clarifications.[Huawei]: provides clarifications[Rapporteur]: Based on the way forward discussion, this contribution will be merged into S3-232026. Please continue the discussion in the thread of S3-232026. | available  |    |
|    | S3‑231987 | [draftCR] Adding a new security sevice operation provided by the UDM and AMF  | Samsung  | 　[Nokia]: clarification required[Ericsson]: requests for clarifications.[Xiaomi]: provide comments[Samsung]: Provides clarification.[Rapporteur]: Based on the way forward discussion, this contribution will be merged into S3-232026. Please continue the discussion in the thread of S3-232026. | available  |    |
|    | S3‑232026 | HONTRA Clarifications  | Lenovo  | 　[Ericsson]: Provides comments. Requests for clarifications.[Lenovo]: Provides clarifications.[Qualcomm]: Requires changes before approval[ZTE]: require changes[Nokia]: Provides comments. Requests for clarifications.[Ericsson]: Replies to Lenovo.[Lenovo]: Replies to Ericsson.[Lenovo]: Provides r1 to address the feedback received so far. | 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.[ZTE]: provide clarification[Xiaomi]: provide comments[Huawei]: provides clarifications[Rapporteur]: Based on the way forward discussion, this contribution will be merged into S3-232062. Please continue the discussion in the thread of S3-232062. | 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.[Nokia]: provided r1 so that companies can update it further if required | 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.[Nokia]: provide clarification[Nokia]: provide clarification and request to reconsider your position[Qualcomm]: Prefers the way 816 specifies this solution compared to 817[Rapporteur]: Based on the way forward discussion, this contribution will be merged into S3-231816 Please continue the discussion in the thread of S3-231816 | 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.[Rapporteur]: Based on the way forward discussion, this contribution will be merged into S3-231816 Please continue the discussion in the thread of S3-231816 | available  |    |
|    | S3‑231972 | EN removal for multiple AMFs case  | LG Electronics  | 　[Nokia]: clarification required before approval[Ericsson]: Does not consider this change necessary.[LGE]: fine to be noted. | available  |    |
|    | S3‑232063 | Remove the Editor’s Note related to the multiple registrations in the HONTRA  | Beijing Xiaomi Mobile Software  | 　[Nokia]: clarification required[Ericsson]: Requests for clarifications.[Xiaomi]: provides responses.[Rapporteur]: Based on the way forward discussion, this contribution will be merged into S3-231816 Please continue the discussion in the thread of S3-231816 | available  |    |
|    | S3‑231765 | pCR to living document to TS 33.501: Clarifications and removals of Editor's Notes  | Ericsson  | 　[Nokia]: clarification required before approval, does not agree with all solutions/texts proposal[Nokia]: clarification required before approval, does not agree with all a few solutions/texts proposal[Lenovo]: Requires update before approval.[Ericsson]: provides clarifications.[Qualcomm]: Needs changes before approval[Samsung]: Provides comments[Nokia]: Provides r1 with proposed changes as discussed in the Nokia CR | available  |    |
|    | S3‑231815 | EN removal on UE reachability scenario  | Nokia, Nokia Shanghai Bell  | 　[Xiaomi]: provides comments and requires clarification before approval[Ericsson]: does not fully agree with all the details.[Nokia]: provide clarification[Lenovo]: provides comment and requests update.[Nokia]: provides clarification[Qualcomm]: contribution requires an update[Nokia]: provided r1[Rapporteur]: It should be: Based on the way forward discussion, this contribution will be merged into S3-231765 Please continue the discussion in the thread of S3-231765 | available  |    |
|    | S3‑231843 | Discussion on home network triggered primary authentication procedure  | ZTE Corporation  | 　[Nokia]: Note the discussion paper, we will discuss it on the thread S3-231846 related to the discussion paper. | available  |    |
|    | S3‑231846 | Update home network triggered primary authentication procedure  | ZTE Corporation  | 　[Nokia]: clarification required before approval, does not agree with few solutions/texts proposal[Ericsson]: Does not agree with the document.[ZTE]: provide clarifications[Rapporteur]: Based on the way forward discussion, this contribution will be merged into S3-231816 Please continue the discussion in the thread of S3-231816[Rapporteur]: previous minutes is wrong. It should be: Based on the way forward discussion, this contribution will be merged into S3-231765 Please continue the discussion in the thread of S3-231765 | available  |    |
|    | S3‑231989 | [draftCR] Modifying the Editor’s Note on UE reachability  | Samsung  | 　[Ericsson]: Prefers to address the whole EN at this meeting with other documents but would be fine with this proposal is SA3 does not converge in this meeting.[Nokia]: Prefer to address EN in this meeting.[Rapporteur]: Based on the way forward discussion, this contribution will be merged into S3-231765 Please continue the discussion in the thread of S3-231765 | available  |    |
|    | S3‑231988 | [draftCR] Adding details on the operator policy and the trigger for the primary authentication  | Samsung  | 　[Nokia]: change required before approval[Ericsson]: Does not agree with the proposal.[Qualcomm]: Need better justification before approval[Rapporteur]: Based on the way forward discussion, this contribution will be merged into S3-231765. Please continue the discussion in the thread of S3-231765. | available  |    |
|    | S3‑231818 | addition of SoR use case  | Nokia, Nokia Shanghai Bell  | 　[Qualcomm]: Does not agree with this contribution[ZTE]: Does not agree with this contribution[Nokia]: provide r1 with explanation[Ericsson]: Does not agree with original document or r1. | available  |    |
|    | S3‑231819 | addition of UPU use case  | Nokia, Nokia Shanghai Bell  | 　[Qualcomm]: Does not agree with this contribution[ZTE]: Does not agree with this contribution[Nokia]: provide r1 with explanation[Ericsson]: Does not agree with original document or r1. | available  |    |
|    | S3‑231848 | Draft CR to TS 33.535-Kakma refresh  | ZTE Corporation  | 　[Nokia]: clarification required before approval[Ericsson]: Requests clarifications before this document could be approved.[ZTE]: provide clarifications[Lenovo]: Need revision before approval.[Qualcomm]: Need clarification/justification before approval[ZTE]: Provide clarifications and r1[Ericsson]: Does not agree with r1.[Lenovo]: r1 is fine.[ZTE]: provide r2[Ericsson]: does not agree with r2. | available  |    |
|    | S3‑231930 | Updating the NOTE1  | Huawei, HiSilicon  | 　[Nokia]: clarification required before approval[Lenovo]: Asks for revision.[ZTE]: Asks for revision.[Huawei]: r1 is provided | 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[Nokia]: provide clarification to Thales[Thales]: provides answers.[Nokia]: Withdraw this contribution-Living TS and we will submit the direct CRs in for the WWC WID from the next meeting onwards | 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<<　[Qualcomm]: Uploaded an r1 based on CC discussion[Interdigital]: requests clarification/update before approval[Interdigital]: requests clarification/update before approval on r1 | 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[Mavenir]: provides -r2, it reflects offline comments and support from several companies[AT&T]: Provides link to -r2[Huawei]: disagrees with r2 which is including topics not in scope of TR conclusions/discussions[Cisco]: supports -r2[Mavenir]: request Huawei for clarification[Cablelabs]: supports -r2[Deutsche Telekom]: supports the -r2[Charter Communications]: supports -r2.[Google]: supports the -r2.[Ericsson]: Clarification needed before approval:- please clarify intent and difference between X.3 and X.4 in r2?[Nokia]: disagrees on -r2 and provides clarifications[Mavenir]: provides clarification.[Nokia]: provides clarification[Mavenir]: provides clarification and flexible feedback[Ericsson]: disagrees with r2.[Mavenir]: Thanks for the flexibility and Mavenir provides a proposal.[Mavenir]: still encouraged by E/// flexibility and still hopeful to follow the rapporteur (German) slightly modified proposal. Please see inline.[Ericsson]: Comments[Nokia]: provides clarifications and suggest a way forward | 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.[Huawei]: responds to Ericsson. | 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.[Nokia]: ask clarification | 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%3A%5CUsers%5Ccmcc%5CDesktop%5CAgendaWithTdocAllocation_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%3A%5CUsers%5Ccmcc%5CDesktop%5CAgendaWithTdocAllocation_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.[Ericsson]: provides comments.[CATT]: provides r2 based on Ericsson’s comments.[Philips] provides input.[CATT]: provides r3 based on Philips’ 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 changerequested in the conf call[Ericsson] : request revision before approvalNTT 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[Qualcomm]: answers to Huawei and Xiaomi’s comments and disagrees with their comments[Philips] supports in general this solution. Provides feedback for a revision.[Interdigital]: revision required | 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[Qualcomm]: answers to Huawei and Xiaomi’s comments and disagrees with their comments[Philips]: supports in general this solution. Provides feedback for a revision. | available  |    |
|    | S3‑231802 | Update the evaluation of solution #8  | Qualcomm Incorporated  | 　[Huawei, HiSilicon]: revision is needed before approval. | available  |    |
|    | S3‑231803 | Update the evaluation of solution #9  | Qualcomm Incorporated  | 　[Huawei, HiSilicon]: revision is needed before approval. | available  |    |
|    | S3‑231804 | Add an evaluation of solution #11  | Qualcomm Incorporated  | 　[Huawei, HiSilicon]: revision is needed before approval. | 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  | 　[Ericsson] : provides comments and ask questions[Samsung]: provides responses and r1.[Huawei, HiSilicon]: revision/clarification are needed before approval.[Samsung]: provides r2 | 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  | 　[Huawei, HiSilicon]: clarification and revision are needed before approval.[Interdigital]: clarifications/revision required.[Interdigital]: clarifications/revision required. | 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[Thales]: provides answer.[Xiaomi]: provides clarification and requests to reconsider your position | 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[Thales]: provides answer.[Xiaomi]: provides clarification and requests to reconsider your position | 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[Xiaomi] : provides response | 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  | 　[Philips] request for clarification and improvements.[Xiaomi] provides clarification and r1[Philips] provides further input | available  |    |
|    | S3‑232057 | Update evaluation to solution #32 in TR 33.740  | Beijing Xiaomi Mobile Software  | 　[Huawei, HiSilicon]: ask for clarification. | 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.[Interdigital]: provides reply/clarifications[Philips]: provides input, asks for clarifications/revision.[Huawei, HiSilicon]: provides reply/clarifications | available  |    |
|    | S3‑231822 | ProSe - ProSe - New solution KI#1, 2  | Philips International B.V.  | 　[Huawei, HiSilicon]: clarification and revision are needed before approval.[Ericsson]: clarification and revision are needed before approval.[Philips] provides clarifications | 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[Qualcomm]: provides clarifications[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<<[Qualcomm]: provides clarifications[Interdigital]: revision required.>>CC\_3<<Show of hands: U2U relay discovery ,One key set vs two key set. One set: IDCC, Huawei, Xiaomi, Oppo, China Telecom, BUPT (6)Two sets: QC, DT, Telecom Italia, Philips, JHU, NIST, NTT Docomo, DoT(India). (8)Chair sets the two sets (more supporter) as working agreement as it is already pending several meeting cycles. If there is challenge to WA, there can be technical vote and decide.[Docomo] asks whether can leave it out of this release rather than make it.Chair clarifies, if the issue is not resolved, ProSe feature will be out of Rel-18, thus impacting all WGs.>>CC\_3<< | available  |    |
|    | S3‑231855 | Conclusion for KI #1 in TR 33.740  | China Telecom Corporation Ltd.  | 　[Huawei, HiSilicon]: ask for clarification.[Philips]: prefers wording in 799, requires revision. | 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.[Interdigital] revision required. | 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.[Ericsson] : asks questions[Philips]: provides answers.[Philips]: provides answers. | 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  | 　[Ericsson] : requests clarifications before approval[Xiaomi] : provide response[Philips] comments before approval. | available  |    |
|    | S3‑232083 | Further Conclusion on KI#2  | OPPO  | 　[Ericsson] : asking questions[OPPO] : provides response | 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.[Ericsson]: asks questions[Philips] provides answers. | 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  | 　[Ericsson] : requests clarification before approval[Xiaomi] : provide response | 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  | 　[Samsung]: requires updates before approval[Qualcomm]: requests more clarification on update proposal[Samsung]: provides reply/clarifications[Huawei, HiSilicon]: requires revision before approval. | available  |    |
|    | S3‑231999 | Conclusion on KI #5  | Samsung, KT  | 　[ChinaTelecom]: request revision before approved.[Ericsson] : asks questions[Samsung]: provides responses.[Samsung]: provides response and asks for clarification.[Huawei, HiSilicon]: requests revision before approved. | available  |    |
|    | S3‑232082 | Conclusion for KI#5  | OPPO  | 　[Ericsson] : asking for clarifications[OPPO] : provides response[Samsung]: requires updates before approval | 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[Ericsson]: Declare revision – kept analysis (as supported by Huawei, Mavenir) and revised text in conclusion part by removing most.[Mavenir]: disagree with r2. | 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.[Mavenir]: Update proposal: fine with removing EN to close the KI but to remove the added text under conclusion.[Nokia]: provides clarifications and -r1 again. [Mavenir]: fine with -r1.[Huawei]: fine with 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[Ericsson]: questions for clarification – the need (requirements) identified at the start of the study have resulted into key-issue-6 during study phase. What would change during normative phase that help answer this “should we identify the need”?[Mavenir]: does not support -r1[Huawei]: fine with r1[Nokia]: agrees with Huawei, and asks Mavenir to withdraw the objection[Ericsson]: agrees with Huawei, Nokia and requests Mavenir to withdraw the objection | 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　[Mavenir]: Propose updating the added text under Evaluation section as below[Huawei]: provides r1 based on feedback.[Mavenir]: fine with -r1. | 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.[Mavenir]: fine with -r1.[Huawei]: in general fine but a revision is needed (editorial)[Nokia]: provides -r2 fixing the editorials in headers | 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.[Mavenir]: fine with r2.[Huawei]: fine with 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  | 　[CMCC]: Proposes to note and requests for clarifications from NDRE.[NDRE]: Agrees to note, answers questions. | available  |    |
|    | S3‑231814 | KI1 conclusion for case 1 and case3  | Nokia, Nokia Shanghai Bell, Xiaomi, Lenovo  | 　[NDRE]: Provides comments and proposal for change.[Ericsson]: requests for clarifications.[CMCC]: Corrects the subject line adding the grouping info, requests clarification from NDRE.[Qualcomm]: requires clarifications before acceptance[Nokia]: provide clarification[Ericsson]: comments | available  |    |
|    | S3‑231851 | Conclusion for KI#1  | ZTE Corporation  | 　[NDRE]: Proposes to merge into 1814.[Nokia]: offline agreed to merge this into 1814[ZTE]: Agreed to merge[CMCC]: Correct the subject line adding the grouping info. | available  |    |
|    | S3‑231925 | Conclusion to KI#1  | Huawei, HiSilicon  | 　[NDRE]: Proposes to note.[CMCC]: Correct the subject line adding the grouping info.[Nokia]: Propose for voting. | available  |    |
|    | S3‑231875 | Adding evaluation to Solution#8  | China Telecom Corporation Ltd.  | [NDRE]: Proposes to note.　[CMCC]: Correct the subject line adding the grouping info. | available  |    |
|    | S3‑231812 | solution 7 correction  | Nokia, Nokia Shanghai Bell,  | 　[Ericsson]: Proposes to note[Nokia]: Agree to Note | available  |    |
|    | S3‑231813 | solution 7 enhancement  | Nokia, Nokia Shanghai Bell,  | 　[Ericsson]: Proposes to note.[Nokia]: providing clarification[Qualcomm]: proposed to note. | 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  | 　[Ericsson]: asks whether LS is necessary[Huawei]: don’t think the LS is needed.[Nokia]: provides clarification | 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[Huawei]: reply to Ericsson.[Ericsson]: replies to Huawei>>CC\_3<<[Nokia] presents.[Ericsson] comments.[CMCC] clarifies.[Docomo] asks to add EN.[Nokia] replies.[Docomo] gives a way forward.>>CC\_3<< | 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[China Telecom]: provides r2 | available  |    |
|    | S3‑231915 | Add Evaluation for Solution for Authorization for eNA Roaming  | Huawei, HiSilicon  | 　[Nokia]: requests changes before approval[Ericsson]: requires updates | 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[Nokia]: provides updates and -r1[Ericsson]: r1 requires updates[Huawei]: request changes on r1.>>CC\_3<<[Nokia] presents.[Ericsson] comments.[Huawei] comments.[Nokia] replies.>>CC\_3<< | available  |    |
|    | S3‑231839 | Updating conclusion on KI#2  | China Telecommunications  | 　[Huawei]: request clarification and suggest to wait for KI #3 conclusion before agreeing this contribution. | 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[Nokia]: merges 1747 in 1729 and provides clarifications and new revision -r1>>CC\_3<<Rapporteur presents 1729 and 1746 will solve two different ENs for KI#3.[Nokia] presents.[Ericsson] comments.>>CC\_3<< | 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[Ericsson]: provides r1[Huawei]: request clarification before agreeing this contribution.[Ericsson]: provides r3 and tries to clarify>>CC\_3<<[Ericsson] presents.[Huawei] comments.Discussion between [Ericsson] and [Huawei].>>CC\_3<< | 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[Ericsson]: r1 and original contribution require updates, concrete proposal for update[Nokia]: provides clarifications[Ericsson]: replies to Nokia[Huawei]: replies to Lenovo and Nokia.[Lenovo]: Provides clarifications and asks for way forward. | available  |    |
|    | S3‑232021 | Update to Solution #9 in eNA  | Lenovo  | 　[Huawei]: request updates before agreeing this contribution. | 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.[Lenovo]: provides some clarifications. | available  |    |
| 5.9 | S3‑231878 | Update the key issue on EAS discovery security  | Ericsson  | 　[Nokia]: Comments | available  |    |
|    | S3‑231879 | Update solution #23 EAS discovery procedure protection  | Ericsson  | 　[Huawei]: comments on the proposal | available  |    |
|    | S3‑231880 | Update conclusion on EAS discovery security  | Ericsson  | 　[Huawei]: comment on the proposal | 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[Nokia]: propose to convert the Note in EN. | 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  | 　[Nokia]: Supports and ask for co-signing this contribution | available  |    |
|    | S3‑231881 | Resolving EN in solution #25  | Ericsson  | 　[IDCC]: ask clarification[Ericsson] : provides clarification[IDCC]: Update the TDoc to reflect the 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<<[Samsung] : Provides r1. | 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<<[Qualcomm]: Changes required before approval[Xiaomi]: provides some inputs. | 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<<[Samsung]: Provide clarifications to Apple.[Samsung]: Provide further clarifications based on the comments received during conference call.>>CC\_3<<(show of hands: Support for optimization in the UE)Yes: Samsung, Huawei, Intel, Lenovo, IDCC, Nokia, Thales, ZTE, DT, China Unicom, QC (11)No:Docomo, Xiaomi, Vivo, Apple, Oppo, Ericsson (6)Chair requests to consider the respective positions of the companies and work offline for a compromised way forward.>>CC\_3<< | 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<<[Ericsson] : provides a merger that merges 1976 into 1876 | available  |    |
|    | S3‑231877 | A solution for EEC provided IP address verification  | Ericsson  | 　[IDCC]: Propose to note the conclusion[Ericsson] : provides clarification[IDCC] : provides clarification[NTT DOCOMO]: requires clarification[IDCC]: Propose to add EN to indicate the BSF procedure of the current spec need to be updated to enable the solution[Qualcomm]: propose an EN for the contribution | available  |    |
|    | S3‑231883 | Conclusion for EEC provided IP address verification  | Ericsson  | 　[IDCC]: Propose to note the conclusion[Apple]: Propose to note the contribution.[Qualcomm]: Also propose to note the contribution.[Apple]: Propose to note the contribution. | 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<<[Qualcomm] : agree that this should be merged into S3-231876.[Apple] : agree to merge into 1876[Ericsson] : provides a merger that merges 1976 into 1876 | 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.  | 　[Qualcomm]: Needs update before approval.>>CC\_3<<[IDCC] presents.[QC] comments as email shows.[IDCC] replies.>>CC\_3<< | 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.[Interdigital]: asking for clarification with regards to the proposed “dummy CR”.[Qualcomm]: Proposes to note.[Huawei]: Reply to Interdigital | available  |    |
|    | S3‑231726 | PCR TR 33.882 New KI#Y  | InterDigital, Inc.  | 　[Huawei]: clarification is needed before approval.[Interdigital]: asking for clarification with regards to the scope, deliverables, and planned deadlines for the proposed “dummy CR”.[Qualcomm]: Proposes to note. | available  |    |
|    | S3‑231727 | PCR TR 33.882 New KI#X  | InterDigital, Inc.  | 　[Huawei]: clarification is needed before approval.[Interdigital]: asking for clarification with regards to the scope, deliverables, and planned deadlines for the proposed “dummy CR”.[Qualcomm]: Proposes to note. | available  |    |
|    | S3‑231728 | PCR TR 33.882 KI#1 Modification  | InterDigital, Inc.  | 　[Huawei]: clarification is needed before approval.[Interdigital]: asking for clarification with regards to the scope, deliverables, and planned deadlines for the proposed “dummy CR”.[Qualcomm]: Does not agree with the proposed modification of KI#1. | 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.[Interdigital]: detailed clarification and changes are needed before approval. | available  |    |
|    | S3‑231825 | Conclusion for KI#1  | THALES  | 　[Interdigital]: clarification and changes are needed before approval.[Thales]: provides answer.[Interdigital]: additional clarification and changes are needed before approval. | available  |    |
|    | S3‑231831 | Conclusions to KI#1  | Nokia, Nokia Shanghai Bell  | 　[Thales]: asks for clarification.[Qualcomm]: Changes are required before approval.>>CC\_3<<[Nokia] presents.[QC] comments.[IDCC] replies to QC, support EAP for authentication and authorization[Nokia] replies.>>CC\_3<< | available  |    |
|    | S3‑231849 | Add conclusion for KI#1  | ZTE Corporation  | 　[Thales]: disagrees with proposed conclusion.[Qualcomm]: Proposes to note. | available  |    |
|    | S3‑231934 | add conclusion to KI#1  | Huawei, HiSilicon  | 　[Interdigital]: clarification and changes are needed before approval.[Huawei]: replies.[Interdigital]: additional clarification and changes are needed before approval. | available  |    |
|    | S3‑232071 | Add conclusion to KI #1 of TR 33.882  | Xiaomi communications  | 　[Qualcomm]: Changes are required before approval. | available  |    |
|    | S3‑231832 | Conclusions to KI#2  | Nokia, Nokia Shanghai Bell  | 　[Interdigital]: clarification is needed before approval.[Xiaomi]: provides comments.[Lenovo]: does not agree to the conclusions that no normative work needed. | available  |    |
|    | S3‑231850 | Add conclusion for KI#2  | ZTE Corporation  | 　[Xiaomi]: provides comments.[Lenovo]: does not agree to the conclusions that no normative work needed. | available  |    |
|    | S3‑231872 | Conclusion for KI#2: Authorization of PIN capabilities.  | Intel  | 　[Huawei]: proposed to note the contribution.[Lenovo]: supports the conclusions | available  |    |
|    | S3‑232070 | Add conclusion for KI #2 of TR 33.882  | Xiaomi communications  | 　[Huawei]: proposed to note the contribution.[Lenovo]: supports the conclusions | 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<<[NTT DOCOMO]: proposes text update[Huawei] : provide r1. | 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<<[NTT DOCOMO]: update required[Huawei] : provide r1. | 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<<[Qualcomm]: requests clarification before approval[Xiaomi]: provides clarification. | 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  | 　[Ericsson] : requires revision before approval[Huawei] : provide clarification.[Samsung]: requests revision. | available  |    |
|    | S3‑231912 | Address EN on solutiion #1 username mapping  | Huawei, HiSilicon  | 　[Samsung]: comment | available  |    |
|    | S3‑231913 | Address EN on solutiion #1 message of scope  | Huawei, HiSilicon  | 　[Ericsson] : requires revision/clarification before approval[Huawei] : provide r1. | 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.[Nokia]: Asks for clarification before providing revision. | 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  | 　[Ericsson] : requires clarification before approval[Nokia] : provides clarification | available  |    |
|    | S3‑231947 | Sol#3 Resolving ENs on scopes and claims  | Nokia, Nokia Shanghai Bell  | 　[Xiaomi]: provides comments.[Nokia]: provides responses.[Xiaomi]: provides comments.[Ericsson] : provides comments and requires clarification before approval[Xiaomi] : provides further comments related to the token claim.[Nokia] : provides further comments.[Xiaomi] : provides comments about service authorization. | available  |    |
|    | S3‑231949 | Sol#3 Evaluation on exposure of UE identity  | Nokia, Nokia Shanghai Bell  | 　[Ericsson] : requires clarification before approval[Nokia] : provides clarification | available  |    |
|    | S3‑232023 | Update to Solution #4 in Snaappy  | Lenovo  | 　[Ericsson] : requires clarification/revision before approval | 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[Lenovo]: Thanks Samsung for the support.Provides r1 and clarifications to Nokia.[NTT DOCOMO]: update required[Ericsson] : requires revision before approval | 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[Lenovo] : requests revision before approval. | available  |    |
|    | S3‑232096 | Addressing editor's notes for solution 6.7  | NTT DOCOMO INC.  | 　[Ericsson] : requires revision before approval[NTT DOCOMO]: asking for clarification of request | 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  | 　[Ericsson] : requires clarification/revision before approval | available  |    |
|    | S3‑232000 | Resolving EN on Sol#11  | Samsung  | 　[Xiaomi]: requests clarification.[Samsung]: provides clarification[Xiaomi]: requests further clarification.[Samsung]: provides further clarification[NTT DOCOMO]: requests update | available  |    |
|    | S3‑232002 | Updates to Sol#12  | Samsung  | 　[Ericsson] : requires clarification/revision before approval | 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[NTT DOCOMO]: update required[Huawei] : provide r1 and clarification. | 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[Ericsson] : requires revision before approval[Huawei] : provide r1. | available  |    |
|    | S3‑232076 | KI#1 and KI#2 New Sol on resource owner policies based authorization mechanism  | Xiaomi communications  | 　[Huawei]: Clarification is required before approval. | available  |    |
|    | S3‑232077 | KI#2 New Sol on User authorization revocation for API invocation procedure  | Xiaomi communications  | 　[Huawei]: Clarification is required before approval. | available  |    |
|    | S3‑232097 | New solution: authorization revocation for persistent changes  | NTT DOCOMO INC.  | 　[Ericsson] : requires revision before approval[Huawei] : requires clarification before approval[NTT DOCOMO]: -r1 is available | available  |    |
| 5.12 | S3‑231888 | KI#1 update  | Huawei, HiSilicon  | 　[Nokia] Support with comment for format.[Thales]: disagrees and proposes to note. | available  |    |
|    | S3‑231862 | Update KI#2  | ZTE Corporation  | 　[Huawei] provide comments[Ericsson]: proposes to note[ZTE]: provide r1[ZTE]: provide clarifications and r1[Nokia]: ask clarifications[ZTE]: provide r1[Huawei]: provide comments to r1. | available  |    |
|    | S3‑232084 | update to KI#2 temporary network slice  | Nokia, Nokia Shanghai Bell  | 　[Huawei] provide comments[Nokia] answer comments | available  |    |
|    | S3‑231863 | New solution for KI#2  | ZTE Corporation  | 　[Huawei] provide comments[Ericsson]: proposes to note[ZTE]: provide response and r1[Nokia]: ask clarifications[Nokia]: needs clarification before approval | available  |    |
|    | S3‑231889 | new solution to KI#2  | Huawei, HiSilicon  | 　[Ericsson]: proposes to note[Huawei]: requests clarification from Ericsson[Nokia]: Provide comments[Huawei] provide responses to Nokia’s comments[Nokia]: needs clarification before approval[Nokia] fine with the clarification | available  |    |
|    | S3‑232085 | solution for KI#2 temporary network slice for NSSAA  | Nokia, Nokia Shanghai Bell  | 　[Huawei] provide comments[Ericsson]: proposes to note[Nokia] answer comments[Nokia]: Provide answer | available  |    |
|    | S3‑232086 | evaluation for KI#2 temporary network slice for NSSAA  | Nokia, Nokia Shanghai Bell  | 　[Huawei] provide comments[Nokia] answer comments | available  |    |
|    | S3‑231751 | Conclusion for KI#2  | Ericsson  | 　[Huawei] disagrees with the conclusion.[Nokia] disagrees with the conclusion. | available  |    |
|    | S3‑231865 | Add conclusion for KI#2  | ZTE Corporation  | 　[Ericsson]: proposes to note[Nokia]: ask merge | available  |    |
|    | S3‑231890 | conclusions to KI#2  | Huawei, HiSilicon  | 　[Ericsson]: proposes to note[Nokia]: ask merge[Huawei] provide clarification | available  |    |
|    | S3‑232087 | conclusion for KI#2 temporary network slice for NSSAA  | Nokia, Nokia Shanghai Bell  | [Ericsson]: proposes to note　 | 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  | 　[Nokia] Provide comments and ask merging to 232088 | available  |    |
|    | S3‑231970 | EN addition to solution #2  | LG Electronics  | 　[Nokia] Provide comments and ask merging to 232088 | available  |    |
|    | S3‑232088 | evaluation for KI#3 network slice admission control  | Nokia, Nokia Shanghai Bell  | 　[Huawei] provide comments[Nokia] Answer comments and provide r1 | 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[Nokia] disagrees with the conclusion text | available  |    |
|    | S3‑231892 | conclusions to KI#3  | Huawei, HiSilicon  | 　[Xiaomi] provide comments[Ericsson]: proposed to note | available  |    |
|    | S3‑232089 | conclusion for KI#3 network slice admission control  | Nokia, Nokia Shanghai Bell  | 　[Xiaomi] provide comments[Ericsson]: proposed to note | 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.[Nokia]: Request clarifications before acceptable.[Huawei]: Provides clarification.[Ericsson]: R1 is fine for Ericsson.[Xiaomi]: provides comments[Huawei]: responds to Xiaomi[Ericsson]: Proposes a way forward | 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.[Xiaomi]: provides comments[Ericsson]: provides comments | available  |    |
|    | S3‑231790 | Update of the conclusion on data channel security  | Qualcomm Incorporated  | 　[Huawei]: revision is needed before approval[Ericsson]: proposes changes before approval.[Qualcomm]: OK to revert deletion | 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[Ericsson]: Provides comment that protection of identifier is not in 3gpp control, the identifier may just as well be unprotected on L2 interface. | 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<<>>CC\_3<<Show of handSolution A: Ericsson, DT, Charter(3)Solution B: Nokia, Lenovo, Intel(3)Solution C: Huawei, QC(2)Chair requests to consider the support for each of the options and arrive at a compromised solution>>CC\_3<< | 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<<[Thales]: asks for change.[Nokia]: Provides a revision including proposed change by Thales.[Ericsson]: Provides comment that there is no protection of the temporary identifier when transferred over L2 connection.[Nokia]: Disagrees with statement provided. | available  |    |
|    | S3‑231932 | Delete Editor's Note to sol#18  | Huawei, HiSilicon  | 　[Ericsson]: requires updates[Ericsson]: requires updates[Nokia]: requires updates before acceptable.[Huawei]: answer and provide revision r1. | available  |    |
|    | S3‑231933 | Update conclusion 7.1.3  | Huawei, HiSilicon  | >>CC\_2<<[Huawei] presents.>>CC\_2<<　[Thales]: asks for change. | available  |    |
|    | S3‑232067 | Update solution #2 of TR 33.85  | Xiaomi communications  | 　[Ericsson]: requires updates[Ericsson]: requires updates[Xiaomi]: provides r1.[Nokia]: Requires changes before acceptable.[Qualcomm]: requires update or note.[Xiaomi]: provides clarification and r2.[Xiaomi]: provides clarification and r2. | 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  | 　[Ericsson]: correcting tdoc number in subject line | 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[Qualcomm]: proposes to note.[Huawei]: answer question and provide clarification.[Ericsson]: Replies and asks to note | available  |    |
|    | S3‑231918 | Conclusion for Implicit Authentication for Serving Network related to NSWO  | Huawei, HiSilicon  | 　[Qualcomm]: proposes to note | 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[CableLabs]: provide -r1 and comments. | reserved  |    |
|    | S3‑232093 | Additional conclusions on credential holder for KI#1  | CableLabs  | 　[Ericsson]: requires update[CableLabs]: provide comments.[Thales]: provides comments.[CableLabs]: provide -r1 and comments.[Thales]: provides explanation. | 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[Lenovo]: replies to Ericsson and shares a reference.[Ericsson]: replies to Lenovo[Lenovo]: provided r1. | 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[Apple]: Not Ok with this conclusion. Propose to note.[Huawei]: disagree to conclude based on Solution#1.[Lenovo]: provides clarification[Lenovo]: provides clarification[Qualcomm]: proposes to note.[Lenovo]: provides clarification>>CC\_3<<[Lenovo] presents r1.[Nokia] provides more information.[US NSA] comments, needs more concrete proposal.[Nokia] asks question to NSA.[QC] proposes to have more discussion.[Lenovo] replies to QC.>>CC\_3<< | available  |    |
|    | S3‑231894 | conclusions to KI#1  | Huawei, HiSilicon  | 　[Apple]: Provide r1. Agree that no normative work is needed, but the wording needs revision.[Lenovo]: does not agree to the conclusion proposal | available  |    |
|    | S3‑231828 | Resolution of editor’s note in solution 1  | Nokia, Nokia Shanghai Bell  | 　[Qualcomm]: proposes to note or merge with S3‑231977 | available  |    |
|    | S3‑231874 | Adding evaluation to Solution#3  | China Telecom Corporation Ltd.  | 　[Qualcomm]: proposes to note[China Telecom]: provide clarification to Qualcomm | 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.[Lenovo]: OK with revision r1[Google]: Responds to Huawei.[Huawei]: further discussions.[Google]: Responds to Huawei. amd provides further comments[Huawei]: r2 provided as requested by Google. | available  |    |
|    | S3‑231977 | USIA- Adding the evaluation for solution#1  | Apple  | 　[Lenovo]: requests update to the evaluation[Nokia]: Request clarification before acceptable.[Qualcomm]: supports the evaluation as originally proposed; do not support adding the proposed note.[Qualcomm]: proposes to note or merge with S3‑231977[Apple]: Provide clarification to Nokia[Apple]: provide clarification to Lenovo.[Huawei] provides comments.[Lenovo]: provides clarifications[Lenovo]: provides clarification | available  |    |
| 5.19 | S3‑231824 | Ranging - Update KI#1  | Philips International B.V.  | 　[Interdigital]: provides comments and requests revision. | available  |    |
|    | S3‑231896 | update to solution 1  | Huawei, HiSilicon  | 　[Xiaomi]: asks for clarification | available  |    |
|    | S3‑232029 | 33.893: Additional Evaluation for Solution #1  | Xiaomi Technology  | 　[Huawei]: propose to note for this meeting.[Xiaomi]: provides feedback and r1 | available  |    |
|    | S3‑232031 | 33.893: Resolve the Editor’s Note in Solution #8  | Xiaomi Technology  | 　[Huawei, HiSilicon]: requests revision or clarification before approval.[Xiaomi]: provides r1[Ericsson]: requests revision or clarification before approval.[Xiaomi]: provides response and invites to check r1 | available  |    |
|    | S3‑232033 | 33.893: New Solution on Privacy Protection of Located UE during its Discovery and Selection  | Xiaomi Technology  | 　[Philips] provides inputs and asks for revision.[Huawei]: clarification is required otherwise noted.[Xiaomi]: provides clarification and r1[Ericsson] : clarification is required otherwise noted[Xiaomi]: provides feedback and asks for clarification[Philips] provides input.[Ericsson] provides comments | available  |    |
|    | S3‑231897 | conclusion on key issue 1  | Huawei, HiSilicon  | 　[Interdigital]: provides comments and requests revision.[Qualcomm]: requests clarification/revision before approval[Huawei]: provides r1 and clarification.>>CC\_3<<>>CC\_3<< | available  |    |
|    | S3‑232038 | 33.893: Conclusion on Key Issue #1  | Xiaomi Technology  | 　[Interdigital]: provides comments and requests revision.[Xiaomi]: provides replies[Qualcomm]: requests revision before approval>>CC\_3<<[Ericsson] comments.Ericsson and Xiaomi discusses.[IDCC] comments there is no reply for his comment.[Xiaomi] clarifies there is reply and replies again.[IDCC] does not satisfied by the clarification and request to revise.[Huawei] comments.[QC] comments>>CC\_3<< | available  |    |
|    | S3‑232030 | 33.893: Update to Solution #2  | Xiaomi Technology  | 　[Huawei]: propose to correct the typo.[Xiaomi]: provides r1[Ericsson]: provides comments and requires update | available  |    |
|    | S3‑232034 | 33.893: New Solution on Client UE Authorization for Service Exposure through the Network  | Xiaomi Technology  | 　[Ericsson] : provides comments and requires update | 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  | 　[Ericsson] : requests clarification before approval | available  |    |
|    | S3‑232039 | 33.893: Further Conclusions for KI#2 on Authorization for Service Exposure  | Xiaomi Technology  | 　[Ericsson] : requires updates[Huawei]: supports the proposal from E///.>>CC\_3<<[Xiaomi] presents there is r1 to answer Ericsson and Huawei’s comment, asks to check.>>CC\_3<< | available  |    |
|    | S3‑232040 | 33.893: Further Conclusions for KI#2 on Authorization of UE Role  | Xiaomi Technology  | 　[Huawei, HiSilicon]: requests revision or clarification before approval.[Xiaomi]: provides response[Ericsson] : asks questions[Qualcomm]: requests clarification/revision before approval[Xiaomi]: provides clarification and r1>>CC\_3<<[Xiaomi] presents revision on r1(based on QC’s comment)[QC] comments.[Xiaomi] clarifies.>>CC\_3<< | available  |    |
|    | S3‑232058 | Update to conclusion for KI#2 in TR 33.893  | Beijing Xiaomi Mobile Software  | 　[Huawei, HiSilicon]: propose to note this conclusion.[Xiaomi]: provides clarification[Qualcomm]: proposes to note this contribution | available  |    |
|    | S3‑231808 | Updates on the solution #12  | Qualcomm Incorporated  | 　[Xiaomi]: provides comments and proposal for change[Ericsson]: asks questions[Qualcomm]: provides clarification | available  |    |
|    | S3‑231809 | Update on solution #9  | Qualcomm Incorporated  | 　[Xiaomi]: disagrees with the proposed change and provides comments[Qualcomm]: provides clarification[Xiaomi]: provides responses | 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  | 　[Xiaomi]: asks for clarification before approval[Ericsson]: provides comments and r1 | available  |    |
|    | S3‑232006 | New solution on Protecting Ranging/SL Positioning discovery out of network coverage  | BUPT, OPPO  | 　[Ericsson] : asks questions[BUPT]: Reply to the questions.We didn't specify which function to pre-provision the discovery keys in this contribution, but PKMF can take the discovery key pre-provisioning work.[Huawei, HiSilicon]: revision/clarification are needed bafore approval.[BUPT]: Provide clarifications.[Huawei, HiSilicon]: replies to BUPT. | available  |    |
|    | S3‑231806 | Update of a conclusion for KI #3  | Qualcomm Incorporated  | 　[Xiaomi]: disagrees with the proposed change and provides comments[Huawei, HiSilicon]: ask question.[Qualcomm]: provides clarification>>CC\_3<<[Xiaomi] comments, doesn’t agree with the proposal.[QC] clarifies.[Huawei] comments.>>CC\_3<< | available  |    |
|    | S3‑231858 | Add conclusion for KI#3  | ZTE Corporation  | 　[Xiaomi]: proposes to merge with 2041[ZTE]: Fine to merge.[Qualcomm]: proposes to note this contribution | available  |    |
|    | S3‑231921 | update to the conclusion of KI#3 in TR 33.893  | Huawei, HiSilicon  | 　[Xiaomi]: proposes to merge with 2041[Huawei, HiSilicon]: replies to Xiaomi.[Xiaomi]: provides replies[Qualcomm]: proposes to note this contribution (wait until SA2’s progress on discovery)>>CC\_3<<[QC] comments, proposes to postpone all conclusions related with KI#3.[Huawei] comments the debate is on V2X-capable UE, requests to have conclusion on ProSe-capable UE.[QC] replies SA2 is still discussing, not only related with V2X-capable UE, but also ProSe-capable UE.>>CC\_3<< | available  |    |
|    | S3‑232041 | 33.893: Further Conclusions for KI#3  | Xiaomi Technology  | 　[Huawei, HiSilicon]: requests revision or clarification before approval.[Xiaomi]: provides replies[Qualcomm]: proposes to note this contribution (wait until SA2’s progress on discovery)>>CC\_3<<[QC] comments>>CC\_3<< | available  |    |
|    | S3‑231920 | Address EN and update evaluation to Sol#13  | Huawei, HiSilicon  | 　[Xiaomi]: asks for clarification and revision before approval | available  |    |
|    | S3‑232032 | 33.893: Resolve the Editor’s Note in Solution #14  | Xiaomi Technology  | 　[Huawei, HiSilicon]: requests clarification/revision before approval.[Xiaomi]: provides response and r1 | available  |    |
|    | S3‑231955 | New solution with Network assisted SL positioning provisioning long term key  | Ericsson  | 　[Xiaomi]: requires clarification before approval[Ericsson]: provides comments and r1 | available  |    |
|    | S3‑231922 | conclusion for the KI#4 in TR 33.893  | Huawei, HiSilicon  | 　[Xiaomi]: proposes to merge with 2042 | available  |    |
|    | S3‑232042 | 33.893: Conclusion on Key Issue #4  | Xiaomi Technology  | [ZTE]: provide clarification.　[Huawei, HiSilicon]: revision is needed before approval.[Xiaomi]: provides response and r1[Qualcomm]: requests clarification before approval, proposes to use 231922 for direct communication security. | available  |    |
|    | S3‑231852 | Update the key issue 5  | ZTE Corporation  | 　[OPPO]: Require Clarification[Xiaomi]: provides comments[ZTE]: provide clarification.[Interdigital]: provides comments and requests revision.[ZTE]: provide clarification. | available  |    |
|    | S3‑231807 | Updates on the solution #15  | Qualcomm Incorporated  | 　[OPPO]: Ask for clarification[Philips] asks for revision.[Huawei] asks for revision.[Qualcomm]: provides clarification. | available  |    |
|    | S3‑231895 | update to solution 15  | Huawei, HiSilicon  | 　[Qualcomm]: requests revision before approval[Philips] comments. | available  |    |
|    | S3‑231771 | Protection of broadcast communication  | Lenovo  | 　[OPPO]: require clarification[Lenovo]: provides clarification[Qualcomm]: requests clarification/revision (possibly ENs) before approval | available  |    |
|    | S3‑231823 | Ranging - New solution KI#5  | Philips International B.V.  | 　[Qualcomm]: requests clarification/revision before approval[Xiaomi]: clarification and revision are required before approval | available  |    |
|    | S3‑231854 | A new solution for the key issue 5 (broadcast)  | ZTE Corporation  | 　[Xiaomi]: provides comments and proposals for change[Huawei]: provides comments and requests revision.[ZTE]: Provide R1.[Qualcomm]: requests clarification/revision before approval | available  |    |
|    | S3‑231857 | A new solution for the key issue 5 (groupcast)  | ZTE Corporation  | 　[Xiaomi]: provides comments and proposals for change[ZTE]: Provide R1.[Qualcomm]: requests clarification/revision before approval[ZTE]: Provide clarification. | available  |    |
|    | S3‑232004 | New solution on security of Ranging or SL positioning groupcast communication  | OPPO  | 　[Xiaomi]: clarification is required before approval[Qualcomm]: requests clarification/revision before approval | available  |    |
|    | S3‑232012 | pCR to TR33.893 New solution for provisioning broadcast protection keys in coverage  | CATT  | 　[OPPO]Require clarification.[CATT] Response to comments. | 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.[CATT] Response to comments and provide r1. | available  |    |
|    | S3‑232015 | pCR to TR33.893 New solution for protecting groupcast/broadcast messages  | CATT  | 　[OPPO]Require clarification and update.[Xiaomi] asks for clarification and provides comments.[CATT] Response to comments.[Philips] comments and asks for revision. | 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  | [Qualcomm]: requests clarification/revision before approval　 | available  |    |
|    | S3‑231810 | conclusion for KI#5  | Qualcomm Incorporated  | 　[Xiaomi]: proposes to postpone the paper[Lenovo]: proposes to note the paper | available  |    |
|    | S3‑231861 | Conclusion for the key issue 5  | ZTE Corporation  | 　[Huawei, HiSilicon]: Requests revision before approval.[ZTE]: Provide clarification.[Huawei, HiSilicon]: Fine with the contribution.[Xiaomi]: provides comments and change proposal[ZTE]: Provide R1.[Qualcomm]: requests clarification/revision before approval. If the concern is not addressed, we propose to note this contribution[ZTE]: Provide clarification.\[Lenovo]: proposes to note the paper | available  |    |
|    | S3‑231873 | New Key issue for Monitoring and detecting attacks on ranging devices and services  | Nokia, Nokia Shanghai Bell  | 　[Huawei, HiSilicon]: proposes to note this contribution.[Qualcomm]: proposes to note this contribution. | 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.[OPPO]: provides response and continued discussion.[Nokia]: provides views on the discussion | 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  | 　[Ericsson]: propose to note | available  |    |
|    | S3‑231986 | Update Sol #6 for AIML Security  | OPPO  | 　[Nokia]: ask clarification[OPPO]: provide clarification.[Ericsson]: propose to note | available  |    |
|    | S3‑231786 | Authorization of AF for Policy Management  | InterDigital Communications  | 　[Ericsson]: proposes to note[Nokia]: ask clarification[IDCC]: clarification[Nokia]: ask further clarification[Ericsson]: replies to IDCC[IDCC]: Provide clarification[IDCC]: Provide further clarification[IDCC]: TDoc updated as r1 based on Christine’s comments[Nokia]: I don’t agree with the updates because untrusted AF can not retrieve the token via NEF, clarification required before approval. | available  |    |
|    | S3‑231905 | Add conclusion for key issue #1  | Huawei, HiSilicon  | 　[QC]: Change required before agreement.[Ericsson]: Changes required before agreement.>>CC\_3<<[Huawei] presents.[QC] keeps the same comment, to remove “for normative work”[Oppo] asks the meaning to remove such words.Chair clarifies, to arrive at the conclusion first and then discuss the reflection of the agreement in the specifications.[QC] replies.Chair proposes way forward.>>CC\_3<< | 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.[OPPO]: seeking additional feedback.[QC]: Disagree with proposed wording and re-interpretation of Rel-17 consent flags.>>CC\_3<<[Oppo] presents.[QC] comments, doesn’t agrees.[Oppo] replies.[QC] doesn’t agree with Oppo’s reply.Discussion between [Oppo] and [QC].[Ericsson] comments as email question. Doesn’t like it.[Nokia] comments.>>CC\_3<< | 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  | [Huawei]: disagrees with key issue in current form since and requires more justification　[MITRE]: provides r1 that addresses all comments from Huawei[MITRE]: provides r1 that addresses all comments from Huawei | available  |    |
|    | S3‑232019 | Data collection for Security Monitoring  | Lenovo, Charter Communications, US National Security Agency, Telefonica, Rakuten Mobile, Center for Internet Security, Cablelabs  | [Huawei]: disagrees with solution in current form and requires clarifications　[Lenovo]: Provides clarifications[Ericsson]: Ask for clarification[Lenovo]: Provides r1 to address Ericsson’s feedback.Also provides clarifications.[Lenovo]: Provides r1 to address Ericsson’s feedback.Also provides clarifications. | 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  | 　[Huawei]: disagrees with the solution in this form and requires clarifications[Lenovo]: Provides clarifications | available  |    |
|    | S3‑231940 | Evaluation of tenet 4 on resource access  | Huawei, HiSilicon  | >>CC\_3<<>>CC\_3<<　 | 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.[Lenovo]: r2 is not fine.Provided r3.>>CC\_3<<[Lenovo] presents r3.>>CC\_3<< | 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[Lenovo]: Provodes some clarifications.>>CC\_3<<[Lenovo] presents current status.>>CC\_3<< | 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.[Ericsson]: First Lenovo suggest to merge, then after I asked to note S3-232016, Lenovo suddenly ask to note S3-231723 without any relevant comment to the proposed changes. -r1 uploaded.[Lenovo]: Initially proposed to merge all T6 related contributions and suggested to work on merger thread. But the author of this contribution didn’t accept to the merger proposal suggested, which can be seen in S3-232016 thread. So, the merger plan was given up. The review comment to this contribution has been shared individually in this thread. | 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[Qualcomm]: requests clarification/revision (possibly EN) before approval[Samsung]: Provides clarification | available  |    |
|    | S3‑231996 | [MBS] Evaluation for solution#3  | Samsung  | 　 [Qualcomm]: disagrees with the evaluation[Samsung]: Provides clarification on 'this solution does not address the SA2 conclusion'. | 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[Qualcomm]: provides a clarification[Samsung]: Provides further comments. | available  |    |
|    | S3‑231997 | [MBS] Conclusion for Key Issue#1  | Samsung  | 　[Qualcomm]: disagrees with the conclusion[Samsung]: Request clarification from Qualcomm on the need for Rel-17updates and on key update. | available  |    |
|    | S3‑231901 | conclusion on key issue 1  | Huawei, HiSilicon  | 　[Qualcomm]: disagrees with the conclusion>>CC\_3<<[Huawei] presents r1.[QC] supports this conclusion[Samsung] disagrees this conclusion.[Nokia] agrees with Samsung and disagrees this conclusion.[QC] comments service layer security is optional.[Huawei] clarifies.[Samsung] replies to QC.Chair urges to arrive at a compromised solution to move forward, >>CC\_3<< | 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.[Huawei]: propose to approve the solution only for record.[Samsung]: Propose to note the contribution | available  |    |
|    | S3‑231898 | A new solution to address the privacy issue with TMGI  | Huawei, HiSilicon  | 　[Ericsson]: comment[Qualcomm]: proposes to note this contribution[Huawei]: provides clarification | 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[Qualcomm]: proposes to note this contribution | available  |    |
| 5.24 |  |    |    | 　 |    |    |
| 5.25 | S3‑232043 | 33.700-28: Update to Key Issue #1  | Xiaomi Technology  | 　[Ericsson]: Requests clarifications before approval. | 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[Xiaomi]: Thread of 1743 can be closed and let’s move discussion to the thread of 2044. | available  |    |
|    | S3‑232044 | 33.700-28: Solution on AF Authorization for Providing Satellite Coverage Information  | Xiaomi Technology  | 　[Xiaomi]: provides merged version in r1[Ericsson]: requests for clarifications before approval. | available  |    |
|    | S3‑231744 | Conclusion for KI #1  | Nokia, Nokia Shanghai Bell  | 　[Xiaomi]: proposes to merge with 2045[Nokia]: is proposing to keep the conclusion text as simple as possible and 2044 can be used as baseline | available  |    |
|    | S3‑232045 | 33.700-28: Conclusion on Key Issue #1  | Xiaomi Technology  | 　[Ericsson]: Requests clarifications before approval. | 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[Nokia]: is providing concern on the NTN architecture and implicit on the security architecture[Xiaomi]: provides replies[Interdigital]: requires clarification and changes before approval.[Ericsson]: Requests clarifications before approval.[Qualcomm]: proposes to note.[Nokia]: provides feedback and lists potential threat vectors | 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[Nokia]: is providing concern on the missing support for EPS[Ericsson]: Requests clarifications before approval.[Qualcomm]: proposes to note | available  |    |
| 6 |  |    |    | 　 |    |    |
| 7 |  |    |    | 　 |    |    |
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