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| --- | --- | --- | --- | --- | --- | --- |
| **Agenda**  | **TDoc** | **Title**  | **Source**  | **Notes** | **Decision**  | **Replaced-by**  |
| 1 | S3‑231700 | Agenda  | SA WG3 Chair  | 　 | available  |    |
|    | S3‑231701 | Process for SA3#110AdHoc-e  | SA WG3 Chair  | 　 | available  |    |
|    | S3‑231702 | Process and agenda planning for SA3#110AdHoc-e  | SA WG3 Chair  | 　 | available  |    |
| 2 |  |    |    | 　 |    |    |
| 3 | S3‑231703 | LS on user consent for UE location sharing  | S6-230351  | >>CC\_1<<[Apple] presents and summrizes that current two draft reply LS are contradictory.[Huawei] agrees they are opposite, asks other companies view.Chair requests Apple to hold the pen and try to find consensus.>>CC\_1<<　 | available  |    |
|    | S3‑231919 | Reply LS on user consent for UE location sharing  | Huawei, HiSilicon  | >>CC\_1<<>>CC\_1<<　 | available  |    |
|    | S3‑231974 | Reply LS on user consent for UE location sharing  | Apple  | >>CC\_1<<>>CC\_1<<　 | 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<<　 | available  |    |
|    | S3‑232091 | LS reply on UE event reporting over a user plane connection to LCS client or AF  | Nokia, Nokia Shanghai Bell  | >>CC\_1<<(No show)>>CC\_1<<　 | available  |    |
|    | S3‑231705 | LS on LPP message and supplementary service event report over a user plane connection between UE and LMF  | S2-2301857  | >>CC\_1<<[Ericsson] presents.1758 is draft reply LS.>>CC\_1<<　 | available  |    |
|    | S3‑231758 | Reply LS on LPP message and supplementary service event report over a user plane connection between UE and LMF and LS on UE event reporting over a user plane connection to LCS client or AF  | Ericsson  | >>CC\_1<<[Ericsson] presents.[QC] comments for both contributions, proposes to postpone Chair asks Ericsson to hold the pen to merge all 3 contribution, and comments that is no need to wait one more meeting cycle.[Huawei] asks whether it can be combined with another one.Chair confirms both 1075 and 1074 will be replied together by the new draft.>>CC\_1<<　 | available  |    |
|    | S3‑232090 | LS reply on LPP message and supplementary service event report over a user plane connection between UE and LMF  | Nokia, Nokia Shanghai Bell  | >>CC\_1<<[Nokia] presents.>>CC\_1<<　 | available  |    |
|    | S3‑231902 | Reply LS on user plane connection between UE and LCS client, AF or LMF  | Huawei, HiSilicon  | >>CC\_1<<[Huawei] presents.>>CC\_1<<　 | available  |    |
|    | S3‑231706 | LS Reply to 3GPP on SEPP Certificates  | GSMA  | >>CC\_1<<[Nokia] presents.Chair asks whether it can be noted.[Nokia] confirms it can be noted.>>CC\_1<<　 | available  |    |
|    | S3‑231707 | LS on UE specific data and analytics exchange between HPLMN and VPLMN  | S2-2303548  | >>CC\_1<<Chair proposes to note this**1st challenge dealine.**>>CC\_1<<　 | available  |    |
|    | S3‑231708 | Reply LS on Support PIN application architecture and interaction  | S2-2303698  | >>CC\_1<<Chair proposes to note this**1st challenge dealine.**>>CC\_1<< | available  |    |
|    | S3‑231709 | Reply LS on SNAAPP requirements clarifications  | S1-230591  | >>CC\_1<<[Docomo] presents.Chair asks whether it can be noted.[Docomo] considers it can be noted.[Mavenir] comments about conf call. Chair will check with MCC.[QC] asks why Docomo keep saying there is no impact on UE side.[Docomo] clarifies.Chair comments if there is any assumptions made, it would be better to send LS out.[Docomo] is ok to prepare an LS out.Chair asks to continue email discussion[QC] clarifies QC is ok to note this.[Huawei] is in line with Docomo.Chair considers it does not need to be replied until there is discussion how to reply it.>>CC\_1<<　 | available  |    |
|    | S3‑231710 | Reply LS on the data and analytics exchange between two NWDAFs in different PLMNs  | S2-2303563  | >>CC\_1<<[CMCC] presents and proposes to note, and points 1707 is related and proposes to note it also.>>CC\_1<<　 | available  |    |
|    | S3‑231711 | Reply LS on Progress and open issues for NPN enhancements in Rel-18  | S2-2303689  | >>CC\_1<<[QC] presents and proposes to note.[Ericsson] agrees it can be noted.Chair proposes to note this.**1st challenge deadline.**>>CC\_1<<　 | available  |    |
|    | S3‑231712 | Reply LS on clarification on user consent for AI/ML  | S2-2303834  | >>CC\_1<<[Oppo] presents and proposes to note.[Nokia] proposes to note and keep discuss on Oppo’s contribution.Chair proposes to note this.**1st challenge deadline.**>>CC\_1<<　 | available  |    |
|    | S3‑231713 | LS reply to Reply LS on Network federation interface for Telco edge consideration  | S5-233146  | >>CC\_1<<[Samsung] presents.Chair proposes to note this.**1st challenge deadline.**>>CC\_1<<　 | available  |    |
|    | S3‑231715 | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network  | S6-231061  | >>CC\_1<<[Apple] presents and proposes to wait for further email discussions[Huawei] supports Apple’s view, i.e. to wait for further email discussions.[Ericsson] is also agreed to wait.>>CC\_1<< | available  |    |
|    | S3‑231966 | Reply LS on FS\_eEDGEAPP Solution for Support of NAT deployed within the edge data network  | Huawei, HiSilicon  | >>CC\_1<<(waiting)>>CC\_1<<　 | 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<<　 | 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<< | available  |    |
|    | S3‑231718 | LS response to 3GPP on IPX Requirements for 5GS Roaming  | GSMA  | >>CC\_1<<>>CC\_1<<　 | 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<<　 | 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<<　 | 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 |  |    |    | 　 |    |    |
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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<<　 | 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 | 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<<　 | available  |    |
|    | S3‑231887 | Update the PDU Session secondary authentication of Remote UE  | China Telecom Corporation Ltd.  | >>CC\_1<<>>CC\_1<<　 | available  |    |
|    | S3‑231931 | update the procedure to align with the R-17 agreement  | Huawei, HiSilicon  | >>CC\_1<<>>CC\_1<<　 | available  |    |
|    | S3‑231774 | Clearing EN on Remote UE Subscription update  | InterDigital, Europe, Ltd.  | 　 | available  |    |
|    | S3‑231935 | Addressing Editor's Note on remote UE's subscription update notification  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231936 | pCR on introducing another PC5-S message to the Remote UE  | Huawei, HiSilicon  | 　 | 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.  | 　 | 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.　 | 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. | available  |    |
|    | S3‑231842 | Living document for GBA DTLS to TS 33.220  | ZTE Corporation  | [ZTE]: provide R1.　 | available  |    |
|    | S3‑232064 | Enable DTLS in Ua star protocol  | Xiaomi communications  | 　[Huawei]: comments that there is no rush to discuss the AKMA related requirements before finalizing the GBA ones.[ZTE]: propose to merge to 1841.[Xiaomi]: provides the clarification. | available  |    |
|    | S3‑231841 | Living document for AKMA DTLS to TS 33.535  | ZTE Corporation  | 　[Huawei]: comments that there is no rush to discuss the AKMA related requirements before finalizing the GBA ones.[ZTE]: provide clarification and R1[Xiaomi]: provides r2 to add the source company. | available  |    |
| 4.12 |  |    |    | 　 |    |    |
| 4.13 | S3‑231766 | Living document for AKMA\_GBA\_OSCORE: draftCR to TS 33.220, IETF OSCORE as GBA Ua protocol  | Ericsson  | 　 | available  |    |
|    | S3‑231767 | pCR to GBA OSCORE living doc: Clarifications  | Ericsson  | 　[Huawei]: provides editorial comments | 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. | 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. | 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. | available  |    |
| 4.14 | S3‑231927 | New UDM service  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231987 | [draftCR] Adding a new security sevice operation provided by the UDM and AMF  | Samsung  | 　 | available  |    |
|    | S3‑232026 | HONTRA Clarifications  | Lenovo  | 　 | available  |    |
|    | S3‑231928 | New AMF service  | Huawei, HiSilicon  | 　 | 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  | 　 | available  |    |
|    | S3‑231817 | EN removal multiple AMF scenarios Veriant2  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231929 | Addressing Editor’s Note on multiple AMFs registered to the UDM  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231972 | EN removal for multiple AMFs case  | LG Electronics  | 　 | available  |    |
|    | S3‑232063 | Remove the Editor’s Note related to the multiple registrations in the HONTRA  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑231765 | pCR to living document to TS 33.501: Clarifications and removals of Editor's Notes  | Ericsson  | 　 | available  |    |
|    | S3‑231815 | EN removal on UE reachability scenario  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231843 | Discussion on home network triggered primary authentication procedure  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231846 | Update home network triggered primary authentication procedure  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231989 | [draftCR] Modifying the Editor’s Note on UE reachability  | Samsung  | 　 | available  |    |
|    | S3‑231988 | [draftCR] Adding details on the operator policy and the trigger for the primary authentication  | Samsung  | 　 | available  |    |
|    | S3‑231818 | addition of SoR use case  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231819 | addition of UPU use case  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231848 | Draft CR to TS 33.535-Kakma refresh  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231930 | Updating the NOTE1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231926 | living document for HNA  | Huawei, HiSilicon  | 　 | available  |    |
| 4.15 | S3‑231759 | Skeleton draft TS 33.528  | BSI (DE)  | >>CC\_1<<>>CC\_1<<　 | available  |    |
| 4.16 | S3‑231745 | Skeleton for 5WWC\_Ph2\_Sec:DraftCR to 33501  | Nokia, Nokia Shanghai Bell  | >>CC\_1<<[Huawei] comments there is one aspect missing, asks to keep it open for discussion.[QC] comments.[CableLabs] proposes to use CR instead.[Nokia] is ok with Huawei’s comment, and to keep it open.>>CC\_1<<　 | available  |    |
| 4.17 | S3‑231789 | Draft Skeleton for UAS  | Qualcomm Incorporated  | >>CC\_1<<[IDCC] has couple of proposal, key issue 3 & 4 are missing.[QC] replies.[IDCC] asks to keep discussion via email.Chair clarifies the skeleton does not need to reflect each key issue from the TR, how to organize the specifications is up to the group.>>CC\_1<<　 | available  |    |
| 4.18 | S3‑231739 | Skeleton\_ACM\_SBA\_informative annex  | Nokia, Nokia Shanghai Bell  | [Huawei]: comments that there is no need to have a separate dedicated annex for informative content　[Ericsson]: Support- for the informative annex but could we revise scope and headings for the informative annex skeleton please?  | 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<< | 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<<　 | 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<<　 | 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<<　 | 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<<　 | 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<<　 | 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<<　 | 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  | 　 | available  |    |
|    | S3‑231801 | Updates on the solution #24  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231802 | Update the evaluation of solution #8  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231803 | Update the evaluation of solution #9  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231804 | Add an evaluation of solution #11  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231860 | pCR to update TR33.740 Solution 11  | China Telecom Corporation Ltd.  | 　 | available  |    |
|    | S3‑231864 | Evaluation of TR33.740 Solution 11  | China Telecom Corporation Ltd.  | 　 | available  |    |
|    | S3‑231866 | Update to the evaluation of TR33.740 Solution 23  | China Telecom Corporation Ltd.  | 　 | available  |    |
|    | S3‑231867 | Update to the evaluation of TR33.740 Solution 24  | China Telecom Corporation Ltd.  | 　 | available  |    |
|    | S3‑231998 | EN Resolution of Sol #33  | Samsung, KT  | 　 | available  |    |
|    | S3‑232008 | pCR to TR33.740 Update Solution16 for removing EN  | CATT  | 　 | available  |    |
|    | S3‑232009 | pCR to TR33.740 Update Solution28 for removing ENs  | CATT  | 　 | available  |    |
|    | S3‑232051 | Discussion on the provisioning of long term credentials in the UE-to-UE Relay Communication  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑232052 | Provision the long term credentials during the discovery procedure  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑232053 | Provision the long term credentials during the service authorization procedure  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑232054 | Remove the Editor's Note and evaluate the solution #7 in TR 33.740  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑232055 | Remove the Editor's Notes of solution #20 in TR 33.740  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑232056 | Update to solution #30 in TR 33.740  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑232057 | Update evaluation to solution #32 in TR 33.740  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑231783 | New Solution using Re-keying for L2 U2U Relay selection  | InterDigital, Europe, Ltd.  | 　 | available  |    |
|    | S3‑231784 | New solution KNRP ID privacy L2 U2U Relay reselection  | InterDigital, Europe, Ltd.  | 　 | available  |    |
|    | S3‑231785 | New solution Model A Relay discovery using multiple key sets  | InterDigital, Europe, Ltd.  | 　 | available  |    |
|    | S3‑231822 | ProSe - ProSe - New solution KI#1, 2  | Philips International B.V.  | 　 | available  |    |
|    | S3‑231779 | Update to Conclusion to KI #1  | InterDigital, Europe, Ltd.  | 　 | available  |    |
|    | S3‑231798 | Discussion on ProSe UE-to-UE Relay discovery security  | Qualcomm Incorporated, Deutsche Telekom, Philips International B.V.  | 　 | available  |    |
|    | S3‑231799 | Conclusion of KI#1  | Qualcomm Incorporated, Deutsche Telekom, Philips International B.V.  | 　 | available  |    |
|    | S3‑231855 | Conclusion for KI #1 in TR 33.740  | China Telecom Corporation Ltd.  | 　 | available  |    |
|    | S3‑231923 | Conclude the KI#1 in TR 33.740  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232011 | pCR to TR33.740 Conclusion of key issue #1  | CATT  | 　 | 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.  | 　 | available  |    |
|    | S3‑231820 | ProSe - Conclusion on KI#2  | Philips International B.V.  | 　 | available  |    |
|    | S3‑231844 | Conclusion for the KI#2  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231868 | Update to conclusion of KI#2 in TR 33.740  | China Telecom Corporation Ltd.  | 　 | available  |    |
|    | S3‑231924 | Update to the KI#2 conclusion in TR 33.740  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231956 | Update to conclusions on KI#2  | Ericsson  | 　 | available  |    |
|    | S3‑232049 | Conclusion on Key Issue #2 in TR 33.740  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑232083 | Further Conclusion on KI#2  | OPPO  | 　 | available  |    |
|    | S3‑231821 | ProSe - Conclusion on KI#3  | Philips International B.V.  | 　 | 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.  | 　 | available  |    |
|    | S3‑232050 | Conclusion on Key Issue #3 in TR 33.740  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑231781 | Update to TR 33.740 Conclusion for KI#4  | InterDigital, Europe, Ltd.  | 　 | available  |    |
|    | S3‑231870 | Update to conclusion of KI#4 in TR 33.740  | China Telecom Corporation Ltd.  | 　 | available  |    |
|    | S3‑231805 | Conclusion of KI#5  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231999 | Conclusion on KI #5  | Samsung, KT  | 　 | available  |    |
|    | S3‑232082 | Conclusion for KI#5  | OPPO  | 　 | 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  | 　 | 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  | 　 | available  |    |
|    | S3‑231735 | pCR Resolving EN in conclusion of ACM\_SBA KI#5  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231738 | pCR Conclusion of ACM\_SBA KI#6  | Nokia, Nokia Shanghai Bell  | 　 | 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  | 　 | available  |    |
|    | S3‑231737 | pCR Conclusion of ACM\_SBA KI#8  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231938 | Analysis and conclusion for key issue #8  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231736 | pCR Conclusion of ACM\_SBA KI#9  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231907 | Add conclusion for key issue #9  | Huawei, HiSilicon  | 　[Nokia]: Propose to merge it in S3-231736 | available  |    |
|    | S3‑231906 | Add evaluation to solution #18  | Huawei, HiSilicon  | 　[Nokia]: proposes to update the evaluation before approval | available  |    |
| 5.6 | S3‑231761 | Discussion on handling of LI for AKMA ph2 services  | NDRE, Nokia, Nokia Shanghai Bell, Lenovo  | 　 | available  |    |
|    | S3‑231814 | KI1 conclusion for case 1 and case3  | Nokia, Nokia Shanghai Bell, Xiaomi, Lenovo  | 　 | available  |    |
|    | S3‑231851 | Conclusion for KI#1  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231925 | Conclusion to KI#1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231875 | Adding evaluation to Solution#8  | China Telecom Corporation Ltd.  | 　 | available  |    |
|    | S3‑231812 | solution 7 correction  | Nokia, Nokia Shanghai Bell,  | 　 | available  |    |
|    | S3‑231813 | solution 7 enhancement  | Nokia, Nokia Shanghai Bell,  | 　 | available  |    |
|    | S3‑231760 | Discussion on handling of LI for AKMA ph2 services  | NDRE  | 　 | withdrawn  |    |
| 5.7 |  |    |    | 　 |    |    |
| 5.8 | S3‑231734 | LS Out on Authorization of NF service consumer for AIML model storage and sharing in eNA  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231730 | pCR\_Resolution of ENs of KI#1 conclusion in eNA\_SEC\_Ph3  | Nokia, Nokia Shanghai Bell  | 　 | 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  | 　 | available  |    |
|    | S3‑231915 | Add Evaluation for Solution for Authorization for eNA Roaming  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231916 | Conclusion Update for key issue #1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231979 | Conclusion for key issue #1  | China Mobile  | 　 | available  |    |
|    | S3‑231732 | pCR Resolution of EN of KI#2 conclusion in eNA\_SEC\_Ph3  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231839 | Updating conclusion on KI#2  | China Telecommunications  | 　 | available  |    |
|    | S3‑231903 | Add conclusion for key issue #2  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231729 | Resolution of EN related to encryption in KI#3 conclusion in eNA\_SEC\_Ph3  | Nokia, Nokia Shanghai Bell, Lenovo, Intel  | 　 | available  |    |
|    | S3‑231746 | Resolve first EN to conclusion to KI#3 "Security for AI/ML model storage and sharing"  | Ericsson  | 　 | available  |    |
|    | S3‑231747 | Resolve second EN to conclusion to KI#3 "Security for AI/ML model storage and sharing"  | Ericsson  | 　 | 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  | 　 | available  |    |
|    | S3‑232021 | Update to Solution #9 in eNA  | Lenovo  | 　 | available  |    |
|    | S3‑231836 | Editorial update to conclusion on KI#5  | China Telecommunications  | 　 | available  |    |
|    | S3‑231978 | Update conclusion for key issue #5  | China Mobile  | 　 | available  |    |
|    | S3‑231853 | New solution for KI#5  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231856 | Add conclusion for KI#5  | ZTE Corporation  | 　 | available  |    |
|    | S3‑232022 | Update to Solution #20 in eNA  | Lenovo  | 　 | available  |    |
| 5.9 | S3‑231878 | Update the key issue on EAS discovery security  | Ericsson  | 　 | available  |    |
|    | S3‑231879 | Update solution #23 EAS discovery procedure protection  | Ericsson  | 　 | available  |    |
|    | S3‑231880 | Update conclusion on EAS discovery security  | Ericsson  | 　 | available  |    |
|    | S3‑231943 | Resolving the EN about the security of the communication between V-EASDF and H-EASDF/DNS  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231944 | Resolving the EN about non-roaming case on the configuration of EASDF  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231945 | update to conclusion for KI#1.2  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231881 | Resolving EN in solution #25  | Ericsson  | 　 | available  |    |
|    | S3‑231962 | Resolving EN of Conclusion of KI#2.1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231990 | Discussion paper on performing only server side authentication  | Samsung  | 　 | available  |    |
|    | S3‑231992 | Updates to conclusion#2.1  | Samsung  | 　 | available  |    |
|    | S3‑232065 | Update KI#2.1 conclusion of TR 33.739  | Xiaomi communications  | 　 | available  |    |
|    | S3‑231859 | Update solution#6  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231975 | MEC-Resolving the EN of the conclusion of KI#2.2  | Apple  | 　 | available  |    |
|    | S3‑231993 | Updates to conclusion#2.2  | Samsung, Huawei, HiSilicon, Intel, ZTE, Thales, CableLabs  | 　 | available  |    |
|    | S3‑231788 | A new solution for KI#2.3  | InterDigital Communications  | 　 | available  |    |
|    | S3‑231787 | Updates for Solution #26  | InterDigital Communications  | 　 | 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  | 　 | available  |    |
|    | S3‑231959 | Adding evalution for sol#27  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231960 | Resolving EN of Conclusion of KI#2.6  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231876 | New key issue on EEC provided IP address verification  | Ericsson  | 　 | available  |    |
|    | S3‑231877 | A solution for EEC provided IP address verification  | Ericsson  | 　 | available  |    |
|    | S3‑231883 | Conclusion for EEC provided IP address verification  | Ericsson  | 　 | available  |    |
|    | S3‑231976 | MEC-New key issue on verification of UE provided information  | Apple  | 　 | available  |    |
|    | S3‑231991 | [draft] LS on mutual authentication requirement in EDGE  | Samsung  | 　 | available  |    |
| 5.10 | S3‑231714 | LS on Alignment of SA3 security aspects for Personal IoT Networks  | S6-230792  | >>CC\_1<<[IDCC] presents.Chair proposes to keep discussion>>CC\_1<<　　 | available  |    |
|    | S3‑231725 | Draft Reply LS on Alignment of SA3 security aspects for Personal IoT Networks  | InterDigital, Inc.  | 　 | available  |    |
|    | S3‑231724 | DP on the need and means of alignment between PIN work in SA3 and SA6  | InterDigital, Inc.  | 　 | available  |    |
|    | S3‑231726 | PCR TR 33.882 New KI#Y  | InterDigital, Inc.  | 　 | available  |    |
|    | S3‑231727 | PCR TR 33.882 New KI#X  | InterDigital, Inc.  | 　 | available  |    |
|    | S3‑231728 | PCR TR 33.882 KI#1 Modification  | InterDigital, Inc.  | 　 | 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  | 　 | available  |    |
|    | S3‑231825 | Conclusion for KI#1  | THALES  | 　 | available  |    |
|    | S3‑231831 | Conclusions to KI#1  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231849 | Add conclusion for KI#1  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231934 | add conclusion to KI#1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232071 | Add conclusion to KI #1 of TR 33.882  | Xiaomi communications  | 　 | available  |    |
|    | S3‑231832 | Conclusions to KI#2  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231850 | Add conclusion for KI#2  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231872 | Conclusion for KI#2: Authorization of PIN capabilities.  | Intel  | 　 | available  |    |
|    | S3‑232070 | Add conclusion for KI #2 of TR 33.882  | Xiaomi communications  | 　 | available  |    |
| 5.11 | S3‑231909 | Conclusion on Revocation for key issue#2  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231914 | Conclusion on Authorization for key issue#2  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232079 | Update conclusion of TR 33.884  | Xiaomi communications  | 　 | available  |    |
|    | S3‑232003 | Conclusion  | Samsung  | 　 | available  |    |
|    | S3‑231910 | Update on solution #1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231912 | Address EN on solutiion #1 username mapping  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231913 | Address EN on solutiion #1 message of scope  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231946 | Sol#1 Adding evaluation - being not in line with OAuth 2.0 architecture  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑232095 | Addressing editor's notes for solution 6.2  | NTT DOCOMO INC.  | 　 | available  |    |
|    | S3‑231948 | Sol#3 Evaluation related to additional scope and its restriction  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231947 | Sol#3 Resolving ENs on scopes and claims  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231949 | Sol#3 Evaluation on exposure of UE identity  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑232023 | Update to Solution #4 in Snaappy  | Lenovo  | 　 | available  |    |
|    | S3‑232024 | Update to Solution #5 in Snaappy  | Lenovo  | 　[Samsung]: requests clarification before approval | 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 | available  |    |
|    | S3‑232096 | Addressing editor's notes for solution 6.7  | NTT DOCOMO INC.  | 　 | available  |    |
|    | S3‑232078 | Resolve EN for Sol #9 of TR 33.884  | Xiaomi communications  | 　 | available  |    |
|    | S3‑232074 | Add evaluation to Sol #9 of TR 33.884  | Xiaomi communications  | 　 | available  |    |
|    | S3‑232075 | Add evaluation to Sol #10 of TR 33.884  | Xiaomi communications  | 　 | available  |    |
|    | S3‑232001 | Updates to Sol#11  | Samsung  | 　 | available  |    |
|    | S3‑232000 | Resolving EN on Sol#11  | Samsung  | 　 | available  |    |
|    | S3‑232002 | Updates to Sol#12  | Samsung  | 　 | available  |    |
|    | S3‑231908 | New Solution on Revocation using Short-lived Token  | Huawei, HiSilicon  | 　[Samsung]: requests clarification before approval | available  |    |
|    | S3‑231911 | New Solution on Resource Owner Authorization using Authorization Code Grant  | Huawei, HiSilicon  | [Samsung]: requests clarification　 | available  |    |
|    | S3‑232076 | KI#1 and KI#2 New Sol on resource owner policies based authorization mechanism  | Xiaomi communications  | 　 | available  |    |
|    | S3‑232077 | KI#2 New Sol on User authorization revocation for API invocation procedure  | Xiaomi communications  | 　 | available  |    |
|    | S3‑232097 | New solution: authorization revocation for persistent changes  | NTT DOCOMO INC.  | 　 | available  |    |
| 5.12 | S3‑231888 | KI#1 update  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231862 | Update KI#2  | ZTE Corporation  | 　 | available  |    |
|    | S3‑232084 | update to KI#2 temporary network slice  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231863 | New solution for KI#2  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231889 | new solution to KI#2  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232085 | solution for KI#2 temporary network slice for NSSAA  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑232086 | evaluation for KI#2 temporary network slice for NSSAA  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231751 | Conclusion for KI#2  | Ericsson  | 　 | available  |    |
|    | S3‑231865 | Add conclusion for KI#2  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231890 | conclusions to KI#2  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232087 | conclusion for KI#2 temporary network slice for NSSAA  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231792 | Adding some evaluation to solution #1  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231891 | update to solution#1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231971 | Minor editorial correction to solution #1  | LG Electronics  | 　 | available  |    |
|    | S3‑231793 | Adding some evaluation to solution #2  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231970 | EN addition to solution #2  | LG Electronics  | 　 | available  |    |
|    | S3‑232088 | evaluation for KI#3 network slice admission control  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑232073 | New Sol for KI #3 of TR 33.886  | Xiaomi communications  | 　 | available  |    |
|    | S3‑231752 | Conclusion for KI#3  | Ericsson  | 　 | available  |    |
|    | S3‑231892 | conclusions to KI#3  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232089 | conclusion for KI#3 network slice admission control  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
| 5.13 |  |    |    | 　 |    |    |
| 5.14 |  |    |    | 　 |    |    |
| 5.15 | S3‑231762 | Conclusion for key issue #1  | Ericsson, BT  | 　 | available  |    |
|    | S3‑231763 | Resolve EN for conclusion for key issue #2  | Ericsson  | 　 | available  |    |
|    | S3‑231764 | LS on third party specific user identities in IMS  | Ericsson  | 　 | available  |    |
|    | S3‑231790 | Update of the conclusion on data channel security  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231967 | conclusion on key issue 1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231968 | Resolving EN in Conclusions for KI #2  | Huawei, HiSilicon  | 　 | available  |    |
| 5.16 | S3‑231753 | Discussion for removal of Editor's note in conclusion for trusted N3GPP access  | Ericsson  | 　 | available  |    |
|    | S3‑231754 | Updated conclusion for KI#1 regarding trusted access  | Ericsson  | 　 | available  |    |
|    | S3‑231830 | Resolution of EN – conclusion to KI#1 – Trusted access  | Nokia, Nokia Shanghai Bell, Lenovo, Intel  | 　 | available  |    |
|    | S3‑231932 | Delete Editor's Note to sol#18  | Huawei, HiSilicon  | 　[Ericsson]: requires updates[Ericsson]: requires updates | available  |    |
|    | S3‑231933 | Update conclusion 7.1.3  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232067 | Update solution #2 of TR 33.85  | Xiaomi communications  | 　[Ericsson]: requires updates[Ericsson]: requires updates[Xiaomi]: provides r1. | available  |    |
|    | S3‑231755 | Updated conclusion for KI#1 regarding untrusted access  | Ericsson  | 　[Nokia]: Proposes to merge S3-231755 into S3-231829.[Ericsson]: Fine with merge of S3-231755 into S3-231829. | available  |    |
|    | S3‑231829 | Resolution of EN – conclusion to KI#1 – Untrusted access  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231756 | Updated conclusion for KI#1 regarding N5CW access  | Ericsson  | 　 | available  |    |
|    | S3‑231757 | Removing Editor’s notes in Solution #14  | Ericsson  | 　 | available  |    |
|    | S3‑231917 | New Solution on Implicit Authentication for Serving Network for NSWO support in SNPN  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231918 | Conclusion for Implicit Authentication for Serving Network related to NSWO  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232066 | Update conclusion of NSWO support in SNPN  | Xiaomi communications  | 　 | available  |    |
|    | S3‑232092 | Solutions using credential holder for KI#1  | CableLabs  | 　 | reserved  |    |
|    | S3‑232093 | Additional conclusions on credential holder for KI#1  | CableLabs  | 　 | 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 | 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  | 　 | available  |    |
|    | S3‑231894 | conclusions to KI#1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231828 | Resolution of editor’s note in solution 1  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231874 | Adding evaluation to Solution#3  | China Telecom Corporation Ltd.  | 　 | available  |    |
|    | S3‑231893 | new solution to KI#1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231977 | USIA- Adding the evaluation for solution#1  | Apple  | 　 | available  |    |
| 5.19 | S3‑231824 | Ranging - Update KI#1  | Philips International B.V.  | 　 | available  |    |
|    | S3‑231896 | update to solution 1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232029 | 33.893: Additional Evaluation for Solution #1  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑232031 | 33.893: Resolve the Editor’s Note in Solution #8  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑232033 | 33.893: New Solution on Privacy Protection of Located UE during its Discovery and Selection  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑231897 | conclusion on key issue 1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232038 | 33.893: Conclusion on Key Issue #1  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑232030 | 33.893: Update to Solution #2  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑232034 | 33.893: New Solution on Client UE Authorization for Service Exposure through the Network  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑232035 | 33.893: New Solution on Client UE Authorization for Service Exposure through PC5  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑232060 | New solution on authorization of MO-LR procedure for Network assisted SL Positioning in TR 33.893  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑232039 | 33.893: Further Conclusions for KI#2 on Authorization for Service Exposure  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑232040 | 33.893: Further Conclusions for KI#2 on Authorization of UE Role  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑232058 | Update to conclusion for KI#2 in TR 33.893  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑231808 | Updates on the solution #12  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231809 | Update on solution #9  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑232059 | Remove the Editor’s Note of solution #9 in TR 33.893  | Beijing Xiaomi Mobile Software  | 　 | available  |    |
|    | S3‑231954 | New solution with Network assisted SL positioning discovery security material provisioning  | Ericsson  | 　 | available  |    |
|    | S3‑232006 | New solution on Protecting Ranging/SL Positioning discovery out of network coverage  | BUPT, OPPO  | 　 | available  |    |
|    | S3‑231806 | Update of a conclusion for KI #3  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231858 | Add conclusion for KI#3  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231921 | update to the conclusion of KI#3 in TR 33.893  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232041 | 33.893: Further Conclusions for KI#3  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑231920 | Address EN and update evaluation to Sol#13  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232032 | 33.893: Resolve the Editor’s Note in Solution #14  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑231955 | New solution with Network assisted SL positioning provisioning long term key  | Ericsson  | 　 | available  |    |
|    | S3‑231922 | conclusion for the KI#4 in TR 33.893  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232042 | 33.893: Conclusion on Key Issue #4  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑231852 | Update the key issue 5  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231807 | Updates on the solution #15  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231895 | update to solution 15  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231771 | Protection of broadcast communication  | Lenovo  | 　[OPPO]: require clarification | available  |    |
|    | S3‑231823 | Ranging - New solution KI#5  | Philips International B.V.  | 　 | available  |    |
|    | S3‑231854 | A new solution for the key issue 5 (broadcast)  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231857 | A new solution for the key issue 5 (groupcast)  | ZTE Corporation  | 　 | available  |    |
|    | S3‑232004 | New solution on security of Ranging or SL positioning groupcast communication  | OPPO  | 　 | available  |    |
|    | S3‑232012 | pCR to TR33.893 New solution for provisioning broadcast protection keys in coverage  | CATT  | 　 | available  |    |
|    | S3‑232013 | pCR to TR33.893 New solution for provisioning groupcast/broadcast protection keys out of coverage  | CATT  | 　 | available  |    |
|    | S3‑232015 | pCR to TR33.893 New solution for protecting groupcast/broadcast messages  | CATT  | 　 | available  |    |
|    | S3‑232036 | 33.893: New Solution on Protection for Groupcast of SLPP Signalling  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑232037 | 33.893: New Solution on Protection for Broadcast of SLPP Signalling  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑232094 | New solution on KI#5 protection of broadcast communication  | BUPT  | 　 | available  |    |
|    | S3‑231810 | conclusion for KI#5  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231861 | Conclusion for the key issue 5  | ZTE Corporation  | 　 | available  |    |
|    | S3‑231873 | New Key issue for Monitoring and detecting attacks on ranging devices and services  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑232005 | New solution on security of Ranging or SL positioning broadcast communication  | OPPO  | 　 | withdrawn  |    |
| 5.20 | S3‑232080 | User Consent in AI/ML  | OPPO  | 　[Nokia]: propose to note the contribution, we can further discuss the same at the pCR document S3-232081 | 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  | 　 | available  |    |
|    | S3‑231985 | Add evaluation on sol#5  | OPPO  | 　 | available  |    |
|    | S3‑231986 | Update Sol #6 for AIML Security  | OPPO  | 　[Nokia]: ask clarification | available  |    |
|    | S3‑231786 | Authorization of AF for Policy Management  | InterDigital Communications  | 　[Ericsson]: proposes to note[Nokia]: ask clarification | available  |    |
|    | S3‑231905 | Add conclusion for key issue #1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑232081 | Further Conclusion on KI#1  | OPPO  | 　[Nokia]: ask for clarification | available  |    |
| 5.21 | S3‑232018 | Update to Key Issue #1  | Lenovo  | 　 | available  |    |
|    | S3‑231835 | New Key Issue: Support for Policy Decision Points within 5GC SBA  | MITRE Corporation, Nokia, Nokia Shanghai Bell, Lenovo  | 　 | available  |    |
|    | S3‑232019 | Data collection for Security Monitoring  | Lenovo, Charter Communications, US National Security Agency, Telefonica, Rakuten Mobile, Center for Internet Security, Cablelabs  | 　 | available  |    |
|    | S3‑232020 | NF State related data collection for Security Monitoring  | Lenovo, Charter Communications, US National Security Agency, Telefonica, Rakuten Mobile, Center for Internet Security, Cablelabs  | 　 | available  |    |
|    | S3‑231940 | Evaluation of tenet 4 on resource access  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231941 | Additions to the evaluation of tenet 5 on security posture  | Huawei, HiSilicon  | 　[Lenovo]: Propose to merge S3-231941, S3-232014 and S3-231722 using S3-232014 as base document.Continue discussion in S3-232014 thread. | 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. | 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  | 　 | 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. | 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. | available  |    |
|    | S3‑232017 | Cleanup of Tenet #7  | Lenovo  | 　 | available  |    |
| 5.22 | S3‑231741 | LS out on user consent in roaming scenarios  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
| 5.23 | S3‑231796 | An update on the evaluations of solution #1  | Qualcomm Incorporated  | 　 | available  |    |
|    | S3‑231995 | [MBS] Updates to solution#1  | Samsung  | [Ericsson]: questions　 | available  |    |
|    | S3‑231996 | [MBS] Evaluation for solution#3  | Samsung  | 　 | available  |    |
|    | S3‑231900 | Update to the solution 3  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231797 | Conclusion for Key Issue #1  | Qualcomm Incorporated  | [Samsung]: Requests clarification before approval　 | available  |    |
|    | S3‑231997 | [MBS] Conclusion for Key Issue#1  | Samsung  | 　 | available  |    |
|    | S3‑231901 | conclusion on key issue 1  | Huawei, HiSilicon  | 　 | available  |    |
|    | S3‑231794 | A new solution for mitigating privacy attacks exploiting group paging with TMGI  | Qualcomm Incorporated  | 　[Ericsson]: proposes to note | available  |    |
|    | S3‑231898 | A new solution to address the privacy issue with TMGI  | Huawei, HiSilicon  | 　[Ericsson]: comment | available  |    |
|    | S3‑231750 | Conclusion for KI#2  | Ericsson  | 　 | available  |    |
|    | S3‑231795 | Conclusion for Key Issue #2  | Qualcomm Incorporated  | 　[Ericsson]: proposes to note | available  |    |
|    | S3‑231899 | conclusion on key issue 2  | Huawei, HiSilicon  | 　[Ericsson]: comment | available  |    |
| 5.24 |  |    |    | 　 |    |    |
| 5.25 | S3‑232043 | 33.700-28: Update to Key Issue #1  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑231742 | Discussion on NTN AF Authorization (Rel18)  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑231743 | Solution for AF Authorization  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑232044 | 33.700-28: Solution on AF Authorization for Providing Satellite Coverage Information  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑231744 | Conclusion for KI #1  | Nokia, Nokia Shanghai Bell  | 　 | available  |    |
|    | S3‑232045 | 33.700-28: Conclusion on Key Issue #1  | Xiaomi Technology  | 　 | available  |    |
|    | S3‑232046 | 33.700-28: New Key Issue on Protection of Satellite Coverage Info received by the UE  | Xiaomi Technology  | 　[Nokia]: is requesting clarification on the new proposed key issue | 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 | available  |    |
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