**Meeting Notes: ProSe Pending issues 1st CC (Apr12th)**

**1. CP based solution(group: i/ii, iii/iv/v, vi)**

1. Clarify relationship between KAUSF, KAUSF\_P and 5G PRUK

[China Telecom] presents

[IDCC] comments Kausf\_p is not mentioned in last meeting.

[China Telecom] replies to make details that are not discussed in last meeting.

[Nokia] is generally fine to combine PRUK, but has big issue why to remove key derivation about service code

[China Telecom] clarifies

[Ericsson] comments it is not clear. It should not be linked to normal 3GPP access.

[Chair] requests not to reopen what is agreed in last meeting.

[Rapporteur] agrees with Chair.

[Xiaomi] agrees with China Telecom’s proposal in general, but we don’t need complex key hierarchy

[Rapporteur] comments that changing key hierarchy is not accept, rest of contribution is not the issue.

[Chair] suggests to work offline and try to get progress in next conf call.

1. Clarify the necessity of refreshing 5G PRUK during CP-based Security Procedure

[China Telecom] presents

[IDCC] comments why to send SUCI if it has PRUK ID

[China Telecom] replies it has not valid PRUK ID so to use SUCI

[QC] comments and repeats the agreement made in last meeting.

1. CP procedure update PRUK storage

[IDCC] presents

[Huawei] comments if there is security needs about anchor function changes.

[IDCC] clarifies

[Ericsson] supports this solution and would like to co-sign. AUSF should not contain the new key.

[CATT] comments it is a new solution that is not discussed before, it is not suitable to take solution like this; this solutions is more complex, it needs more evaluation from SA2.

[Huawei] comments

[ZTE] agress with Huawei’s comment.

[IDCC] clarifies that is not a new solution, and responds to Ericsson’s comment.

[Ericsson] clarifies Prose Anchor Function is in remote UE’s home PLMN.

[CATT] comments it is a new solution that is not studied in TR.

[Chair] comments the issue needs to be solved. Keep arguing is not helpful, if we do not agree even postponing to R18. Wouldn’t help

[CATT] proposes to keep the current conclusion made in TR.

[Huawei] considers it is a new solution and should not follow the way about AKMA.

[Xiaomi] would like to know the benefit to introduce the generation from new NF. The conclusion is just storing in last meeting.

[QC] there are 3 competing solution in last meeting. There is no consensus. And working agreement is made.

[IDCC] clarifies

[Chair] asks to open other conclusions and see how to move forward

1. [pCR to TS33.503 Clause 6.3 Update security procedure over Control Plane](https://www.3gpp.org/ftp/Email_Discussions/SA3/TSGS3_107e/ProSe/S3-22xxxx%20pCR%20to%20TS33.503%20Clause%206.3%20Update%20security%20procedure%20over%20Control%20Plane.doc)

[CATT] presents.

[IDCC] comments why AUSF is involved as there is no authentication.

[CATT] clarifies.

[Huawei] PnF anchor function is optional function.

1. [Resolving the EN on the needs and usage of 5GPRUK ID](https://www.3gpp.org/ftp/Email_Discussions/SA3/TSGS3_107e/ProSe/S3-22xxxx%20Resolving%20the%20EN%20on%20the%20needs%20and%20usage%20of%205GPRUK%20ID.doc)

[Huawei] presents.

[Chair] points out it is quite in inline with all 3 solutions but difference on key generation.

[Ericsson] don’t think it is a good solution

[Huawei] asks what is the issue about TR conclusion.

[IDCC] concerns

[Ericsson] could only accept PRUK is generated in AUSF

[Chair] if we are agree with new anchor function, we should follow the principle in general.

[QC] asks how AUSF is selected in Huawei and CATT’s solution.

[CATT] clarifies.

[QC] comments it is new for AMF to select remote AUSF

[Chair] comments we need a conclusion and proposes way forward.

1. [Rel 17 pCR 33503 authorization of remote UE](https://www.3gpp.org/ftp/Email_Discussions/SA3/TSGS3_107e/ProSe/S3-221xxx%20Rel%2017%20pCR%2033503%20authorization%20of%20remote%20UE.doc)

[Nokia] presents

[IDCC] suggests on step 13

[Nokia] is ok with proposal

[Ericsson] needs more time and not agree.

[Chair] replies that is not need to agree this time, the agreement could only made on official meeting.

[Xiaomi] comments discovery is already bound with authorization, wondering why we do authorization again.

[Chair] asks to work offline

**2. secondary authentication(group: i/ii)**

1. [Resolving the ENs on secondary authentication procedure in control plane](https://www.3gpp.org/ftp/Email_Discussions/SA3/TSGS3_107e/ProSe/S3-22XXXX%20Resolving%20the%20%20ENs%20on%20secondary%20authentication%20procedure%20in%20control%20plane.doc)

[China Telecom]presents

[LGE] comments it is not feasible remote UE to story every DN’s information. How the remote UE can know DN. How the UE know the SUCI from remote UE.

[China Telecom] clarifies. Using AUSF to retrieve SUPI from SUCI.

[LGE] doesn’t convince on clarification.

[China Telecom] replies

[Huawei] didn’t get enough time to read contribution. LGE solution depends on the CP solution, which is not concluded. So LGE solution does not work. China Telecom may be workable but could not be confirmed this time.

[Ericsson] comments that there was not enough time, would like to look further into the details.

1. EN resolution for Secondary Authentication for Remote UE with L3 U2N relay without N3IWF

[LGE] presents

***Actions.***

**[Chair] suggests IDCC and CATT to work a compromised solution before next meeting, and proposes to keep inline with other anchor function if a new anchor function is introduced.**

[CATT] considers it is hard to get compromised. We should respect the TR conclusion.

[Huawei] asks why needs to follow the way as other anchor function.

[IDCC] needs to find a right way to consider trade-off and considers other aspects related, not only on this point.

[Chair] we need compromises to make progress, suggests to work offline, to analyze pros and cons, and try to get a compromised solution.

**[Chair] suggests China Telecom and LGE to work a merged solution for next call.**

[QC] suggests to upload contribution earlier for 2nd meeting to give enough time for review.

**[Chair] requests to upload all contributions for the 2nd call before end of April 22nd.**