3GPP TSG SA WG 3 Meeting SA3#104e S3-213172

Electronic meeting, Online, 16 - 27 August 2021

**Title:** [Draft] Reply LS on Storage of KAUSF

**Response to:** LS C1-214800/S3-213169 on Storage of KAUSF from SA3

**Source:** SA3

**To:** CT1

**Cc:** CT4

**Contact person:** Rajavelsamy Rajadurai

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**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:** S3-212598 and S3-212599

# 1 Overall description

SA3 thanks CT1 for their reply LS on storage of KAUSF.

SA3 has taken note on the CT1’s feedback that addressing the following issues in Rel-16 is not feasible from stage 3 protocol perspective:

- Mandate the AMF to initiate a SMC procedure soon after a successful 5G AKA.

- Potential KAUSF de-synchronization issue, specifically when UE receives multiple authentication requests simultaneously.

Regarding the inconsistency pointed out in the previous LS, SA3 would like to clarify that, the solution to address the potential KAUSF de-synchronization issue, specifically when UE receives multiple authentication requests simultaneously is agreed for both Rel-16 and Rel-17. To have **a solution** for both Rel-16 and Rel-17, SA3 decided that, *after sending the Authentication Response message to the network, the UE should respond to the second authentication challenge*. As at that point of time, SA3 decided to get feedback from CT1 before mandating the AMF to initiate a SMC procedure soon after a successful 5G AKA for Rel-16.

Based on the feedback from CT1 (C1-214800/S3-213169), SA3 has agreed the attached Rel-16 CR (S3-212599, CR#1160) and Rel-17 CR (S3-212598, CR#1159) to TS 33.501 to remove the text on UE handling of multiple authentication requests simultaneously.

If CT1 identifies that handling of multiple simultaneous authentication requests need to be specified to avoid KAUSF de-synchronization, then SA3 expects that CT1 find a solution for it in Rel-17.

# 2 Actions

**To CT1**

**ACTION:** SA3 kindly asks CT1 to take the above information into account.

# 3 Dates of next TSG SA WG 3 meetings

Please see the SA3 link from the 3GPP calendar page at <https://portal.3gpp.org/Home.aspx?tbid=386&SubTB=386#/>