3GPP TSG SA WG 3 Meeting SA3#102e S3-210398

Electronic meeting, Online, 18 - 29 January 2021

**Title: Draft LS on TAU reject issue during MME handover**

**Response to:**

**Release: Rel-15 onwards**

**Work Item:**

**Source: SA3**

**To: CT4**

**Cc:**

**Contact person: Bo Zhang**

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

**Attachments:** S3-210397

# Overall description

When a fast moving UE attaches to 5GS, then moves to MME-1 in EPS and shortly thereafter moves to MME-2 the TAU request message sent from the UE to the MME-2 will always fail caused by the misalignment on the EPS security context, i.e. the security context stored in the UE is the mapped type, and the security context stored in the MME-2 is the native type. Details of the issue and analysis can be found in the attachment S3-210397.

SA3 has discussed this issue, and identified that this issue can be easily avoided by including the TSC part indicating the mapped or native security context during the S1-Handover. It is described that in clause 7.2.8.4.3 of TS 33.401, the S10 FORWARD RELOCATION REQUEST message shall in addition contain the KASME that is currently used to compute {NH, NCC} pairs and its corresponding eKSI. If the whole eKSI is forwarded to the target MME, the issue could be avoided automatically. Therefore, it is kindly request CT4 to take the above information into account, and fix the above security issue..

# 2 Actions

**To 3GPP TSG SA CT1**

**ACTION:** SA3 kindly asks CT4 to take the above information into account, and fix the above security issue..

# 3 Dates of next TSG SA WG 3 meetings

SA3#102e-Bis 1 - 5 March 2021 Electronic meeting

SA3#103e 17 - 28 may 2021 Electronic meeting