**3GPP TSG-SA3 Meeting #119 S3-244950**

Orlando, USA 11 - 15 November 2024

**Title: Reply** **LS on UE behaviour in case of SUCI calculation failure**

**Response to: LS (C1-245039) on UE behaviour in case of SUCI calculation failure**

**Release: Rel-19**

**Work Item: 5GProtoc19**

**Source: Qualcomm Incorporated (to be SA3)**

**To: CT1**

**Cc: CT6**

**Contact person: Adrian Escott**

**aescott@qti.qualcomm.com**

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

**Attachments:** **None**

# 1 Overall description

SA3 thanks CT1 for their LS (C1-245039) on UE behaviour in case of SUCI calculation failure.

Need to select one of the following (or find some alternative – wording can also be worked on)

After SA3 discussion, it was agreed that when the UE detects that the HPLMN has configured the home network public key into the USIM, while other information required for the SUCI calculation is not correctly configured in the USIM, the UE shall disable N1 mode until the UE is switched off.

SA3 discussed the error case described by CT1 and concluded that this case is essentially the same as no home network public key configured on the USIM (i.e. both errors are misconfigurations). Hence if such an error happens, the UE calculates the SUCI using the NULL scheme.

SA3 discussed this issue and concluded that in this case, the UE functionality was left to implementation.

Plus a possible closing sentence

Overall SA3 believe that such an error case will be very rare and correcting it should be left to the operator’s existing subscription/USIM management systems.

# 2 Actions

**To RAN**

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

# 3 Dates of next TSG SA WG 3 meetings

SA3#120 17 - 21 February 2025 Athens (Greece)

SA3#121 7 – 11 April 2025 Gothenburg (Sweden)