**3GPP TSG-SA3 Meeting #108Adhoc-e *S3-222515***

e-meeting, 10th – 14th October, 2022

**Title: [DRAFT] Reply LS on Questions for SUCI protection requirements for non-3GPP (WLAN) access to SNPN**

**Response to: (****S2-2207700) Questions for SUCI protection requirements for non-3GPP (WLAN) access to SNPN**

**Release: Rel-18**

**Work Item: FS\_eNPN\_Ph2**

**Source: Huawei, to be SA3**

**To:** **SA2**

**Cc:**

**Contact person: Rong Wu**

**Raina.Wu@Huawei.com**

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

**Attachments:** None

# 1 Overall description

SA3 would like to thank SA2 for the LS on Questions for SUCI protection requirements for non-3GPP (WLAN) access to SNPN (S2-2207700) and would like to reply the question as below:

***Question:*** *Is the use of SUCI with any of the privacy protection methods defined in TS 33.501 possible based on the procedures proposed in solution #16 in TR 23.700-08?*

The SUCI privacy protection method is a two-way mechanism which requires support on both UE and SIDF (core network function). According to clause 6.12.5 in TS 33.501, the SIDF is a function of UDM, and the de-concealment shall take place at the UDM. AAA does not have SIDF function. Thus, reusing SUCI privacy protection as specified in solution #16 is not possible.

SA3 would also like to point out that there is a potential security issue with the reuse of credentials for access via 3GPP and non-3GPP network if the networks belong to different security domains. Annex I.2.2.2.2 of TS 33.502 states:

"It is strongly recommended that the same credentials that are used for authentication between UE and the 5G SNPN are not used for the authentication between the UE and a non-5G network, assuming that 5G SNPN and non-5G network are in different security domains."

# 2 Actions

**To CT3:**

**ACTION:** 3GPP SA3 kindly asks SA2 to take the above into account.

# 3 Dates of next TSG SA WG 3 meetings

SA3#109e 14 - 18 November 2022 France (Toulouse)

SA3#109Ahoc-e 16 – 20 January 2022 Online