**3GPP TSG-SA WG3 Meeting #116 *S3*-242376r3**

**Jeju, Korea 20 - 24 May 2024** merger of S3-241899, S3-242192, S3-242254, S3-241778

**Title: Reply LS on LI considerations for TR 33.757**

**Response to: S3i-240294 LS on LI considerations for TR 33.757**

**Release: Rel-19**

**Work Item: LI19**

**Source: 3GPP SA3**

**To: SA3-LI**

**Cc: SA2**

**Contact Person:**

**Name: Hua Song**

**E-mail Address: songhua@chinamobile.com**

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

**1. Overall Description:**

SA3 would like to thank SA3-LI for the LS on LI considerations for TR 33.757.

Key Issue #1 - "Security for dedicated UPF interacting with PLMN through N4 interface"

Regarding Key Issue #1, please kindly be aware that this key issue is still in study phase and therefore LI requirements can be considered. SA3 thanks SA3-LI for informing that PLMN and PNI-NPN may have obligations to trigger interception across the domain boundary in certain architecture options.

In scenarios where an SMF within the hosting PLMN’s domain is controlling a UPF in the PNI-NPN domain via N4, SA3 would like to inform SA3-LI that potential solutions may require the SMF to select and establish communications with the UPF via proxies or gateways which perform intermediate topology translations and/or access control policy enforcement. But those solutions are not finalized. SA3 would like to ask SA3-LI to clarify what the detailed issues and specific impacts the proxy related mechanisms may bring for the LI\_T2/LI\_T3 interfaces. It helps to improve the solutions and to evaluate them.

Key Issue #3, SUPI privacy in a PLMN-hosted NPN

Regarding Key Issue #3, SA3 is aware of the identification requirements from LI TS 33.126. SA3 agrees that solutions which provide SUPI privacy will either fully support LI requirements as per requirement R6.2-10 in TS 33.126 in the PNINPN, or should be clearly identified as optional to deploy. SA3 would like to indicate that in case of PLMN hosted NPN, for the purposes of this study it is assumed that both the hosting PLMN and the hosted NPN belong to the same regulatory domain. SA3 will take all the above information into account for further steps of KI#3 to ensure LI compliance for PNI-NPN scenario.

**2. Actions:**

**To SA3-LI group.**

**ACTION:**

Please take the above information into account and provide us the requested information.

**3. Date of Next SA3 Meetings:**

SA3#117 19 - 23 August 2024 Maastricht (Netherlands)

SA3#118 14 - 18 October 2024 Hyderabad (India)