**3GPP TSG-SA WG3 Meeting #116 *S3*-242376r1**

**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**

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**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 following 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 NPN, or should be clearly identified as optional to deploy. 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 TBD (India)