**3GPP SA3LI#91 *s3i230618***

**24-27, October 2023 , Sydney, Australia**

Title: LS to include Source and Destination Interface Type for Indirect DL Data Forwarding Tunnel related N4 requests

Response to: -

Release: Rel-18

Work Item: LI18

Source: SA3-LI

To: CT4

Cc: SA3

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Attachments: -

**1. Overall Description:**

SA3-LI, while analyzing the handling of lawful interception for handover (intra or inter system) scenarios, has come across a case where the UPF used to transfer the uplink (UL) and downlink (DL) IP packets may also have the DL data forwarding tunnel. In this situation, the LI function in that UPF may intercept the IP packets from the DL data forwarding tunnel as well. This would result in a double interception of IP packets sent to the UE.

To avoid such a double interception, the LI function in the UPF needs to know when a tunnel established for the PDU session is for DL data forwarding. Inclusion of Source Interface Type (in PDI IE of Create PDR IE) and the Destination Interface (in Forwarding Parameters in FAR of Create FAR IE) for all DL data forwarding tunnel establishment related PFCP Session Modification requests would enable the LI functions in the UPF to isolate the packets from DL data forwarding tunnels and thus avoid the double interception.

SA3 LI is aware that PFCP Session Modification request sent to the UPF includes the Source Interface Type and Destination Interface type as Conditional parameters.

SA3-LI kindly requests CT4 to make the necessary changes to TS 29.244 so that Source Interface Type and the Destination Interface as described in the above paragraph are always included in the PFCP Session Modification request messages sent to the UPF for the DL data forwarding tunnel.

**2. Actions:**

**To CT1 group.**

**ACTION:** SA3-LI kindly requests CT WG4 to update the TS 29.244 so that the Source Interface Type and the Destination Interface type as indicated above are included in the PFCP session related requests sent to the UPF for DL data forwarding tunnels.

**3. Date of Next [SA WG3-LI] Meetings:**

SA WG3-LI Meeting #91-b 27th – 28th November 2023 Virtual meeting.

SA WG3-LI Meeting #92 30th January to 2nd February 2024, EU.