**3GPP TSG-SA3 Meeting #108-e *S3-222131***

**e-meeting, 22 - 26 August 2022**

**Title:** [draft]**LS reply on User plane security**

**Response to: S3-221721**

**Release: Rel-17**

**Work Item: -**

**Source:** SA3

**To:** **GSMA DESS**

**Cc:**

**Contact Person:**

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

**Attachments:**

**1. Overall Description:**

SA3 would like to thank GSMA DESS for their LS S3-221721 (DESS#79 meeting) on user plane security. SA3 acknowledges that in TS 33.210 NDS/IP does not extend to cover user plane protection, as it was originally designed for 3G network and focused on the control plane and signalling interfaces. And SA3 also acknowledges the need of securing user plane traffic for Non-SBA interfaces in 5G.

SA3 has discussed the points raised and has come to the following conclusions:To make it consistent with TS 33.210, SA3 suggests to update the 5G specification TS 33.501 on this specific aspect.

An CR has been agreed to eliminate the reference of NDS/IP in section 9.9 of TS 33.501, and explicitly specify the security mechanisms to protect N9 interface, i.e., mutually authenticated IPsec tunnel, or other protection, e.g., physical protection.

**2. Actions:**

**To : GSMA DESS**

**ACTION:** SA3 kindly asks GSMA DESS to take note of the proposed change to TS 33.501 on the UP IP security.

**3. Date of Next TSG-SA WG3 Meetings:**

SA3#108adhoc-e October 10th-19th e-meeting

SA3#109 November 14th-18th TBC