**3GPP TSG-SA3 Meeting #124 draft S3-25-r3**

Wuhan, China, 13 – 17 October 2025

**Title: Reply LS on issues related to support of IMS voice over NB-IoT NTN connected to EPC**

**Response to: (S2-2507636/S3-253118) LS on issues related to support of IMS voice over NB-IoT NTN connected to EPC from SA2**

**Release: Rel-20**

**Source: Ericsson (To be SA3)**

**To: SA2**

**Cc: RAN1, RAN2, SA1, SA4, CT1**

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

# 1 Overall description

SA3 thanks SA2 for the LS on issues related to support of IMS voice over NB-IoT NTN connected to EPC.

There are several questions listed in S2-2507636 directed to different WGs.

The question to SA3 is the following:

**Question 7** (**To SA3**): Considering that in the context of alternative solutions documented in TR 23.700-19 for the support of IMS voice over NB-IoT NTN connected to EPC, a specific SRB (i.e. via a dedicated EPS bearer for Data over NAS) will be used for transfer of voice media packets only, is there a concern to eliminate the 5 bytes of NAS layer security overhead?

SA3 answer in response to question#7 is the following:

1. **Integrity Protection**: To detect integrity compromises and prevent man-in-the-middle attacks, SA3 recommends against removing integrity protection for any NAS packets.

**Plane Separation**: Sending voice data over a dedicated SRB in the control plane opens up the possibility for a DOS attack scenario for regular NAS signalling. Maintaining the fundamental separation of the User Plane (UP) and Control Plane (CP) is critical for security.

# 2 Actions

**To SA2**

**ACTION:** SA3 asks SA2 to take above feedback into consideration and revert if further questions.

# 3 Dates of next TSG SA WG 3 meetings

SA3#125 17 – 21 November 2025 Dallas, US

SA3#126 9 – 13 February 2026 India (TBD)