**3GPP TSG-SA3 Meeting #119 S3-xxxxxx**

**Orlando, US, 11 -15 November 2024**

**Title: [draft] Reply LS on FS\_5GSAT\_Ph3\_ARCH conclusions**

**Response to: S3-244645/S2-2411250 Reply LS on FS\_5GSAT\_Ph3\_ARCH conclusions**

Release: Rel-19

Work Item: FS\_5GSAT\_SEC\_Ph3

Source: SA3

To: SA2

Cc: -

Contact Person: Wei Zhou

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

**Attachments:**

**1. Overall Description:**

SA2 thanks SA3 for the LS on FS\_5GSAT\_Ph3\_ARCH conclusions (S3‑243533). SA3 would like to provide SA2 with the following information related to split-MME architecture:

- SA3 has concluded that the latest NAS security context of the UE is available at the MME on-board which processes the NAS security. Therefore, NAS ciphering/deciphering and integrity protection functions can be handled in the MME-onboard when service link is available.

- Thanks for the feedback that S&F operation involving multiple satellites of the same PLMN will be supported.

In the above context involving multiple satellites, SA3 seeks further clarification on the following:

When multiple satellites are involved in S&F operation, can SA3 consider transfer of UE security context between satellites using ISL?

* If yes, SA3 assumes that security of ISL is out of scope for 3GPP.
* If not, does this restriction/limitation apply only to Rel-19, or even for future releases?

**2. Actions:**

**To SA2**

**ACTION:** SA3 kindly asks SA2 to take the above information into account.

**3. Date of Next SA2 Meeting:**

SA3#120 February 17th – 21st, 2025 Athens, GR

SA3#121 April 07st – 11th, 2025 Goteborg, SE