**3GPP TSG-SA3 Meeting** **#115AdHoc-e *S3-241496-r2***

Electronic meeting, online, 15 - 19 April 2024

**Title: LS to SA2 and RAN2 on selected satellite architecture for Store and Forward**

**Response to: NA**

**Release: Rel-19**

**Work Item: 5GSAT\_SEC**

**Source: Interdigital to be SA3**

**To: SA2, RAN2**

**Cc: SA, RAN3, SA3-LI**

**Contact person: Alec Brusilovsky**

**Alec.brusilovsky@interdigital.com**

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

**Attachments:** None

# 1 Overall description

SA3 is in the process of studying the security and privacy aspects of 5G satellite access phase 3. In particular, SA3 is assessing security and privacy protection solutions for the Store and Forward (S&F) satellite operation for both, NR NTN (5GS) and IoT NTN (EPS).

Current S&F solutions described in TR 23.700-29 span over wide architectural choices ranging from only eNB/gNB, to split network functions/elements, and to the whole core network on board of satellite. 20 solutions describe various configurations on board of satellite.

To produce viable security solutions in the Rel-19 timeframe, SA3 needs an indication from SA2 (supported by RAN2) that would point out in which direction Rel-19 architectural choices will be heading, so that SA3 can focus on securing only suitable solutions out of the current set of 20 S&F solutions as of SA3#115AdHoc-e.

SA3 kindly requests SA2 and RAN2 to either conclude on the appropriate S&F solutions or give an appropriate indication to SA3 regarding solutions or anticipated satellite architecture to focus on.

**To SA2, RAN2, and RAN3**

**ACTION:** Please take the above information into account and either conclude on the appropriate S&F solutions or give an appropriate indication to SA3 regarding suitable solutions or anticipated satellite architecture to focus on.

# 3 Dates of next TSG SA WG 3 meetings

SA3#116 20 - 24 May 2024 Jeju (South Korea)

SA3#117 19 - 23 August 2024 Maastricht (Netherlands)