**3GPP TSG-SA3 Meeting #104-e *S3-213171***

e-meeting, 16 - 27 August 2021

**Title: [DRAFT] LS on use of 4G algorithm identifier in NR-PDCP for UP IP**

**Response to:**

**Release: Rel-17**

**Work Item: UPIP\_SEC\_LTE**

**Source: SA3**

**To: RAN2**

**Cc: RAN3**

**Contact person: Noamen Ben Henda**

**noamen.ben.henda@huawei.com**

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

**Attachments:**

# 1 Overall description

SA3 is currently working on the requirements to support user plane integrity protection in LTE. In particular SA3 needs to decide which security algorithms to use. There are currently two competing proposals: LTE algorithms i.e. EIA1, EIA2 and EAI3 versus NR algorithms i.e. NIA1, NIA2 and NIA3.

SA3 kindly asks RAN2 whether there are any issues to use either of algorithm identifiers to support user plane integrity protection with NR PDCP in EPS and EN-DC between the UE and LTE eNB.

# 2 Actions

**To RAN2**

**ACTION:** SA3 kindly asks RAN2 whether there are any issues to use either of LTE algorithm identifiers (i.e. EIA1, EIA2, EIA3) or NR algorithm identifiers (i.e. NIA1, NIA2, NIA3) to support user plane integrity protection with NR PDCP in EPS and EN-DC between the UE and the LTE eNB.

# 3 Dates of next TSG SA WG 3 meetings

SA3#104bis-e TBA Electronic meeting

SA3#105-e 08-12 November 2021 Electronic meeting