**3GPP TSG-SA3 Meeting #104-e *S3-212848r1***

e-meeting, 16 - 27 August 2021

**Title: LS on User Plane Integrity Protection for eUTRA connected to EPC**

**Response to: R3-212812/S3-212427**

**Release: Rel-17**

**Work Item:**

**Source: Qualcomm Incorporated (to be SA3)**

**To: RAN3**

**Cc: RAN2, CT1, CT4, SA2**

**Contact person: Adrian Escott, Qualcomm Incorporated**

**aescott@qti.qualcomm.com**

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

**Attachments:** **None**

# 1 Overall description

SA3 thank RAN3 for their LS (R3-212812/S3-212427). SA3 have discussed the RAN3 response to SA3’s questions and have the following request for RAN3. This request is independent of the UP IP work.

SA3 asks RAN3 to modify their specifications to ensure that all of MME, eNB, AMF and ng-RAN nodecopy on the complete UE security capabilities. This is to prevent the network not selecting what would be the preferred security algorithm if the full UE security capabilities were available at the eNB or ng-RAN node. Such a change is justified by the following stage text (from clause 7.2.4.2.1 of TS 33.401).

“When AS security context is established in the eNB, the MME shall send the UE EPS security capabilities to the eNB.”

Similar text exists for the other cases in the relevant SA3 specifications. SA3 is requesting this change for Rel-17.

# 2 Actions

**To RAN3**

**ACTION:** SA3 asks RAN3 to modify their specifications to ensure that MME, eNB, MF and ng-RAN node all pass on the complete UE security capabilities as discussed above.

# 3 Dates of next TSG SA WG 3 meetings

Please see the SA3 link from the 3GPP calendar page at [https://portal.3gpp.org/Home.aspx?tbid=386&SubTB=386#/](https://portal.3gpp.org/Home.aspx?tbid=386&SubTB=386" \l "/)