**3GPP TSG-RAN3 Meeting #114bis-e R3-22\_\_\_\_**

**Electronic meeting, 17- 26 January 2022**

**Title: Draft Reply LS on LTE User Plane Integrity Protection**

**Response to: S3-214462/R3-220128**

**Release: 17**

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

**Source: Vodafone (to be RAN 3)**

**To: SA3, SA2**

**cc: CT4, CT1, RAN2**

**Contact person: Chris Pudney (Vodafone)**

**chris dot pudney at @ vodafone dot com**

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

**Attachments:** none

# 1 Overall description

RAN3 thanks SA3 for their LS in S3-214462/R3-220128. RAN3 is taking this information into account (along with the CRs agreed in SA2, CT4 and CT1), but only to the extent that is described by the WID agreed by RAN plenary in RP-213669 which, in particular, restricts the scope to EN-DC capable UEs.

To enable smooth completion of the RAN 3 work, RAN 3 would appreciate feedback from SA3 / SA2 on the following two points:

1. (for SA3) Is it essential that zero packets are sent without integrity protection for Bearers with a UPIP policy of “required”, or, is it permissible that at handover some packets might be forwarded and sent without integrity protection before the non-support by the eNB and/or MME causes the release of the Bearer by the PDN GW?
2. (for SA3 and SA2) In the 5G System, for UPIP policy ‘preferred’ the SMF is notified when UPIP is used or not-used or the usage changes. RAN 3 note that this functionality is not included in the SA3 and SA2 CRs for EPS. RAN3 contributions have shown how this notification can be provided from the RAN to the MME, but, RAN3 request SA3 (and SA2) guidance as to whether they should include this functionality in their R17 CRs.

With regard to the reduced scope of the RAN WID, RAN 3 would like to inform SA3 that they do not plan to provide specification changes to support UPIP when using LTE-LTE Dual Connectivity.

# 2 Actions

**To SA3**

**ACTION:** RAN3 politely requests SA3 to reply to questions 1 and 2 above, and to take the information on LTE-LTE Dual Connectivity into account.

**To SA2**

**ACTION:** RAN3 politely requests SA2 to reply to question 2 above.

# 3 Dates of next TSG RAN 3 meetings

Please see the latest information on the [RAN3 calendar](https://portal.3gpp.org/Home.aspx?tbid=381&SubTB=381#/).