**3GPP TSG-SA3 Meeting #109adhoc-e *S3‑230312r5***

e-Meeting, 16 - 20 January 2023 merge of S3-230299, S3-230356, S3-230357

**Title: Reply LS to LS on SL positioning groupcast and broadcast**

**Response to: (S3-230007/R2-2213142) Reply LS on SL positioning groupcast and broadcast**

**Release: Rel-18**

**Work Item: FS\_NR\_pos\_enh2**

**Source: SA3**

**To: RAN2, SA2**

**Cc:**

**Contact person: Ivy Guo (ivy\_guo@apple.com)**

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

**Attachments:** NONE

# 1 Overall description

SA3 would like to thank RAN2 for their LS R2-2213142 on SL positioning groupcast and broadcast.

SA3 would like RAN2 to consider following answers:

**Q1**: RAN2 requests feedback on potential security requirements (e.g., for ciphering and/or integrity) and feasibility of protecting SL positioning capability (e.g. the capabilities of physical layer) and assistance data signaling transferred using groupcast/broadcast.

**A1**: SA3 has preliminarily agreed that unprotected broadcast/groupcast signaling has security issue, therefore ciphering and integrity protection are required for the signaling transferred using groupcast/broadcast. Currently, ciphering and integrity protection are not supported for broadcast/groupcast on sidelink.

SA3 has also preliminarily agreed that it is feasible to work on the corresponding requirements and solutions for protecting broadcasted/groupcasted SL positioning signaling when the basic groupcast/broadcast procedure is stable. Therefore, SA3 would appreciate more information (e.g. user cases for broadcast/groupcast, detailed operations) from RAN2 for developing feasible solutions.

In addition, SA3 would also appreciate feedback from SA2 on group management for SL positioning signalling groupcast.

# 2 Actions

**To RAN2, SA2**

**ACTION:** SA3 kindly asks RAN2 and SA2 to take the above feedback into account.

# 3 Dates of next TSG SA WG 3 meetings

SA3#110 20 -24 February 2023 Athens, Greece

SA3#110bis-e 17 -21 April 2023 online