**SA WG2 Meeting #S2-160 S2-231**

**Chicago, USA, 13 - 17 Nov 2023**

Title: [draft] LS to RAN2/CT WGs on RAN&CT alignment issues

Response to:

Release: Release 18

Work Item: Ranging\_SL

Source: SA2

To: RAN2, CT1, CT4

Cc: RAN3, SA3

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

Attachments:

**1. Overall Description:**

SA2 has sent a LS (S2-2311896) to RAN2 about whether some certain messages are transferred as SLPP messages or non-SLPP messages between LMF & Target UE / SL Reference UE / Located UE, between SL Positioning Server UE & Target UE / SL Reference UE / Located UE, between Target UE & SL Reference UE/ Located UE and between SL Positioning Client UE & Target UE / SL Reference UE / Located UE.

Based on some further discussions, SA2 would make a correction to **SA2 Agreement 1** of S2-2311896 as below:

* Item 2 will be developed by CT WGs as the LCS SS message, and CT WGs will decide how to design the message.

Additionally, SA2 has reached the following agreements:

* **SA2 Agreement 3:** RSPP includes SLPP messages and Supplementary Service messages transferring between UE and LMF. Whether LCS Supplementary Service messages are reused or new Supplementary Service messages are developed is determined by CT WGs. RSPP also includes SLPP messages and Supplementary RSPP signalling messages transferring over SR5. Supplementary RSPP signalling is assumed to be developed by CT WGs.
* **SA2 Agreement 4:** For interactions between SL Positioning Server UE and Target UE / SL Reference UE / Located UE:
  + SLPP is used between SL Positioning Sever UE and UE1 for transferring capability, assistance data and Location estimate request/response of UE1.
  + Supplementary RSPP signalling is used between SL Positioning Sever UE and UE1 for transferring capability, assistance data, Location info of UE2/…/UEn, Application ID of UE2/…/UEn, Ranging/SL Positioning Service Request and any other information. UE2/…/UEn information is transferred together for a single session.
  + SLPP is used between UE1 and UE2/…/UEn for transferring capability, assistance data and Location estimate request/response of UE2/…/UEn.
  + Supplementary RSPP signalling is used between UE1 and UE2/…/UEn for transferring any information other than capability, assistance data and Location estimate request/response of UE2/…/UEn, e.g. absolute location of Located UE.
* **SA2 Agreement 5:** Message from Target UE to Located UE to request Located UE’s absolute location, i.e. step 17 of 6.20.1 in TS 23.273 (see S2-2311465) is transferred as Supplementary RSPP signalling message over SR5
* **SA2 Agreement 6:** Information of UE2/…/UEn in the SL-MO-LR procedure documented in clause 6.20.1 of TS 23.273 is not defined as information of SLPP messages, and they will be defined as the Supplementary Service messages.

**2. Actions:**

**To RAN2, CT1, CT4**

**ACTION:**

SA2 kindly asks RAN2, CT1 and CT4 to take SA2’s agreements into account to develop related specifications and feedback if the above agreements are not technically feasible.

**3. Date of Next SA2 Meetings**

SA2#160 Ad-hoc-e 22nd-26th, Jan 2024 online

SA2#161 26th Feb - 1st Mar 2024 Athens, GR