**3GPP TSG-RAN2#121 Meeting *R2-23XXXXX***

**Athens, 27th Feb– 3th Mar, 2023**

**Title: Draft Reply LS on RAN dependency for Ranging & Sidelink Positioning**

**Response to: R2-2300076/S2-2301464**

**Release:** **Rel-18**

**Work Items: NR\_pos\_enh2**

**Source: Xiaomi( To be changed to RAN WG2)**

**To: RAN WG1, SA2**

**CC:**

**Contact Person:**

#### Name: Xiaowei Jiang

E-mail Address: jiangxiaowei@xiaomi.com

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

**Attachment: None**

**1. Overall Description:**

RAN2 would like to thank SA2 for the Reply LS on RAN dependency, and would like to ask SA2 to take the following RAN2 feedback into consideration:

Regarding issue 1, RAN2 has concluded to use PC5-U as the transport layer for SLPP.

Regarding issue 2, from RAN2 perspective, RAN2 confirm that positioning QoS parameters may include accuracy and latency of direction and distance. Addtionally, SL positioning QoS parameters may include the parameters in details as below:

- for absolute & relative positioning: absolute/relative horizontal accuracy, verticalCoordinateRequest, absolute/relative vertical accuracy, response time, and velocityRequest.

- for ranging: distance accuracy, direction accuracy, response time, and velocityRequest.

Whether additional QoS parameters are required may need to be addressed by RAN1.

Regarding issue 3, RAN2 has concluded that RAN2 will not discuss assistant UE in Rel-18 and it is up to SA2 to decide whether to support the assistant UE without RAN2 impacts.

**2. Actions:**

**To SA2**

**ACTION:** RAN2 respectfully asks SA2 to take above information into consideration.

**To RAN1**

**ACTION:** RAN2 respectfully asks RAN1 to evaluate whether RAN2’s understanding on SL positioning QoS parameters is correct and whether additional parameters are needed.

**3. Date of Next RAN WG2 Meetings:**

RAN2 #121bis 17-26 April Online

RAN2 #122 22-26 May 2023 Incheon