**3GPP TSG RAN WG1 #110bis-e R1-221XXXX**

**e-Meeting, October 10th – 19th, 2022**

**Title: [Draft] Reply LS on Terminology Alignment for Ranging/Sidelink Positioning**

**Response to: LS R1-2208338/S2-2207129 on Terminology Alignment for Ranging/Sidelink Positioning from SA2**

**Release: Release 18**

**Work Item: FS\_Ranging\_SL**

**Source: [RAN1]**

**To: SA2**

**Cc: RAN2, RAN3**

**Contact person: Qun Zhao**

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

**Attachments:**

# 1 Overall description

RAN1 would like to thank SA2 for the LS (R1-2208338/S2-2207129) on terminology alignment for ranging/sidelink positioning. RAN1 would like to provide the following feedback.

From RAN1 perspective, there is no difference between Anchor UE and SL reference UE, and RAN1 assumes that any distinction between Assistant UE and SL reference UE is transparent to RAN1. RAN1 asks SA2 to take this into account and decide whether to further update the terminologies defined by SA2.

RAN1 has made the following agreement on terminology in RAN1#109-e meeting:

**Agreement**

For the purpose of RAN1 discussion during this study item, at least the following terminology is used:

* **Target UE**: UE to be positioned (in this context, using SL, i.e. PC5 interface).
* **Sidelink positioning**: Positioning UE using reference signals transmitted over SL, i.e., PC5 interface, to obtain absolute position, relative position, or ranging information.
* **Ranging**: determination of the distance and/or the direction between a UE and another entity, e.g., anchor UE.
* **Sidelink positioning reference signal (SL PRS)**: reference signal transmitted over SL for positioning purposes.
* **SL PRS (pre-)configuration**: (pre-)configured parameters of SL PRS such as time-frequency resources (other parameters are not precluded) including its bandwidth and periodicity.
* Continue discussion on additional terminology clarification(s) such as: Initiator UE, Responder UE, Sidelink Positioning group, reference UE, etc, including whether such terminology is needed within RAN1 discussion.

**Agreement**

For the purpose of RAN1 discussion during this study item, at least the following terminology is used:

* **Anchor UE**: UE supporting positioning of target UE, e.g., by transmitting and/or receiving reference signals for positioning, providing positioning-related information, etc., over the SL interface.
  + FFS: clarification of the knowledge of the location of the anchor UE

# 2 Actions

**To SA2 group**

**ACTION:** RAN1 respectfully asks SA2 to take the above information into account.

# 3 Dates of next TSG RAN WG 1 meetings

TSG-WG1 Meeting #110 14th – 18th November 2022 Toulouse, France

TSG-WG1 Meeting #111 27th February– 3rd March 2023 Athens, Greece