**3GPP TSG-CT WG1 Meeting #146C1-240376**

**E-meeting, 22 – 26 January 2024**

Title: LS on UE selection for Ranging\_SL

Response to:

Release: Release 18

Work Item: Ranging\_SL

Source: CT1

To: SA2

Cc: RAN2

**Contact Person:**

Name: Tingfang Tang

Tel. Number:

E-mail Address: tangtingfang(at)xiaomi(dot)com

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

Attachments:

**1. Overall Description:**

TS 23.586 clause 5.2.2 states:

*Multiple candidate Located UEs may be discovered, in that case, the Located UE(s) is selected from the candidate Located UE list. The Located UE(s) is selected based on:*

* + *Candidate list of Located UE(s), if available.*
  + *Capabilities of the candidate Located UE(s), e.g. the supported Sidelink Positioning methods.*
  + *The required positioning QoS.*
  + *Whether the serving PLMN of candidate Located UE(s) is same with serving PLMN of Target UE.*
  + *UE's information including whether UE is in coverage or not, UE's location, etc.*

and TS 23.586 clause 5.2.3 states:

*SL Positioning Server UE Discovery & Selection is performed by the Target UE, when it meets one or more of the following criteria:*

* + *The Target UE and the discovered SL Reference UEs are currently not served by a network supporting Ranging/SL Positioning.*
  + *The Target UE is not capable of performing SL Positioning Server UE functionalities or related positioning methods.*
  + *The SL Reference UEs are not capable of performing SL Positioning Server UE functionalities or related positioning methods.*
  + *UE's information including whether UE is in coverage or not, UE's location, etc.*

CT1 would like to ask SA2:

for Located UEs selection:

Q1: How does the target UE obtain "*Capabilities of the candidate Located UE(s)*" and what those capabilities are?

Q2: Is "*The required positioning QoS*" is considered by the target UE, the LMF or both? How is "*positioning QoS*" supported by the located UE obtained?

for Located UEs selection and SL Positioning Server UE selection:

Q3: For "*UE's information including whether UE is in coverage or not, UE's location, etc.*", does "*whether UE is in coverage or not*" relate to the target UE, the located UE (or SL Positioning Server UE), or both? If it applies to the located UE (or SL Positioning Server UE), how does the target UE obtain the related information?

for SL Positioning Server UE selection:

Q4: How does the target UE obtain the "*Positioning methods*" supported by the discovered UEs?

**2. Actions:**

**To SA WG2 group.**

**ACTION:** CT WG1 asks SA WG2 group to provide CT WG1 with feedback for the above questions.

**3. Date of Next CT1 Meetings:**

CT1#147 26th February –1st March 2024 Athens, Greece

CT1#148 15th April- 19th April 2024 China (TBC), CN

CT1#149 27th May- 31st May 2024 India, IN