**3GPP TSG-CT WG1 Meeting #149C1-24xxxx**

**Hyderabad, India, 27-31 May 2024**

Title: LS on the UE role list in RSPP-Metadata

Response to: -

Release: Release 18

Work Item: Ranging\_SL

Source: CT1

To: RAN2

Cc: SA2

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Attachments: NA

**1. Overall Description:**

Based on the definition of RSPP metadata in TS 38.355 excerpted as below, CT1 finds the description related to the UE role is not clear..

"

… …

#### *– RSPP-Metadata*

The IE RSPP-Metadata includes the UE information included in Discovery Message for ranging and sidelink positioning.

… …

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| --- |
| *RSPP-Metadata* field descriptions |
| ***ue-RoleList***  This field indicates the UE role associate with the discovery message. This is represented by a bit string, with a one value at the bit position means the particular UE role associate with the discovery message.  In the case of **solicitation** message, this bit string is interpreted as:  - bit 0 indicates whether the UE role as a SL Anchor UE is requested or not;  - bit 1 indicates whether the UE role as a SL Server UE is requested or not;  - bit 2 indicates whether the UE supports UE role as a SL Target UE or not;  **Otherwise**, the bit string is interpreted as:  - bit 0 indicates whether the UE supports UE role as a SL Anchor UE or not;  - bit 1 indicates whether the UE supports UE role as a SL Server UE or not;  - bit 2 indicates whether the UE supports UE role as a SL Target UE or not; |
| ***knownLocationAvailable***  This field indicates whether the location of a SL Anchor UE is known or is able to be known, e.g., via Uu based positioning. The field can only be present if the bit 0 of *ue-RoleList* is set. |

"

According to the description texts highlighted in green above, a UE can indicate it supports UE role as a SL Target UE by setting bit 2 of the UE-role list (see green highlighted texts) in a solicitation message.

Thus, CT1 would like to ask following question:

**Question**: For ranging and sidelink positioning service exposure to a UE through PC5, the SL positioning client UE discovers SL target UE using the ranging and sidelink positioning UE discovery procedure. In this case, how does an SL client UE indicate to request the UE role as a SL target UE in a solicitation message?

**2. Actions:**

**To RAN2 and SA2.**

**ACTION:** CT1 kindly asks RAN2 and SA2 to provide the answers to three questions above.

**To RAN2.**

**ACTION:** CT1 kindly asks RAN2 to consider to update the specification to specify how RSPP metadata is used for ranging and sidelink positioning UE discovery with V2X capable UE.

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

CT1#150 19th August- 23rd August 2024..............Maastricht, NL

CT1#151 14th October- 18th  October 2024..............China, CN

CT1#152 18th November- 22nd  October 2024..............Orlando, US