**3GPP TSG-RAN WG2 Meeting #125 R2-240xxxx**

**Athens, Greece, Feb. 26-Mar. 01, 2024**

**Title: Draft** LS to RAN1 on decisions on SLPP

**Response to:**

**Release:** Rel-18

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

**Source:** RAN2

**To:** RAN1

**CC:**

**Contact Person:**

#### Name: Yi Guo

E-mail Address: yi.guo@Intel.com

**Attachment:**

**1. Overall Description:**

RAN2 discussed the support of sidelink positioning, and made following agreements which may have RAN1 impacts:

Agreements:

The association information between ARP-ID and the already transmitted SL PRS resource(s) is placed inside the CommonSL-PRS-MethodsIEsRequestLocationInformation/CommonSL-PRS-MethodsIEsProvideLocationInformation, based on the corresponding TP of P3 from R2-2401244. To do this, the SL-PRS Tx UE can send the CommonSL-PRS-MethodsIEsProvideLocationInformation without providing any measurements. Notify RAN1 by LS.

LCS-GCS-Translation information in measurement report shall be common for sl-AzimuthAoA and sl-ZenithAoA, i.e. no separate parameters for sl-AzimuthAoA and sl-ZenithAoA

For SL-AoA, introduce separate request for “sl-AzimuthAoA” and “sl-ZenithAoA”

For SL-AoA, introduce separate request for “measurementReportingTypes ENUMERATED { gcs, lcsWithTranslation, lcsWithoutTranslation}

For SL-AoA, do not introduce additional request for “sl-AngleQuality” , sl-PRS-ResourceId and sl-TimeStamp

For SL-RTT, introduce separate request for tx-TimeInfo. And do not introduce additional request for sl-PRS-ResourceId

For SL-TDOA, do not introduce additional request for sl-RSTD-FirstPathResult, sl-PRS-ResourceId , sl-TimeStamp and sl-TimingQuality

For SL-TOA, do not introduce additional request for sl-RTOA-FirstPathResult , sl-RTOA-FirstPathResult sl-PRS-ResourceId , sl-TimeStamp and sl-TimingQuality

RAN2 do not have consensus on the scenario where the SL-PRS Rx UE reports measurements for multiple Rx ARP-IDs in a single measurement report. Current signalling structure cannot support this scenario, and it will be changed to accommodate it if RAN1 want to support the scenario.

For the LS to RAN1, indicate our agreements and give them the opportunity to feed back.

**2. Actions:**

**To RAN1**

**ACTION:**

* RAN2 respectfully asks RAN1 to take RAN2’s agreements into account in their future work.

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

RAN2 #125bis 15-19 April 2024 Changsha

RAN2 #126 20-24 May 2024 Fukuoka