3GPP TSG-RAN WG2 Meeting #124***R2-23xxxxx***

Chicago, IL, US, November 13 – 17, 2023

**Agenda item:** 7.2.1

**Source:** Qualcomm Incorporated

**Title:** Summary of [Post124][413][POS] Rel-18 positioning 38.305 CR (Qualcomm)

**Document for:**  Discussion and Decision

# 1. Introduction

This document summarizes the following email discussion:

* [Post124][413][POS] Rel-18 positioning 38.305 CR (Qualcomm)

Scope: Finalise and check the Rel-18 positioning 38.305 CR.

Intended outcome: Agreed CR

Deadline: Short (for RP)

The Stage 2 from RAN2#124 (R2-2312786) has been updated (version \_v07; changes were made as Word User "\_v07"):

- Alignments with latest Stage 3 CRs:

- Addition of sections 8.12.3.1.2.1a and 8.12.3.1.2.2a

- Additions of sections 8.15 (and sub-sections)

# 2. Comments on \_v07 of the running CR

Companies are invited to provide their comments on the current version (\_v07) of the 38.305 CR in the table below.

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| --- | --- | --- | --- |
| Company | Section (in \_v07) | Comments | Rapporteur Comments |
| CEWiT | 7.12 | Since multiple UE roles are agreed to be indicated in the discovery metafield, the SL server UE discovery and selection can be performed in step 2 itself if UE1 does not support SL Server UE functionality.  The following figure shall be considered. |  |
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# 3. Summary of Open Issues

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|  | Section | Issue | Way Forward |
| 1 | 7.3 Service Layer Support using combined LPP and NRPPa Procedures | Editor's Note: FFS whether the below sections require updates for sidelink positioning .Will be updated later, depended on SA2 progress. | Furter updates will be handled in the maintenace phase and/or company contributions, dependent on SA2 progress. |
| 2 | 7.3A Service Layer Support for Sidelink Positioning | Editor's Note: The below sub-clauses may need further alignment/confirmation with e.g., SA2 23.273. | Furter updates will be handled in the maintenace phase and/or company contributions, dependent on SA2 progress. |
| 3 | 7.12 General UE-only sidelink positioning and ranging procedure | Editor's Note: The above is a transcript of clause 6.8 in TS 23.586. However, there may be some concerns with this general procedure (as discussed in multiple contributions to previous RAN2 meetings), e.g., with steps 2 or 3 which probably should include also the SL Server UE, etc. Therefore, the above is FFS. | Furter updates will be handled in the maintenace phase and/or company contributions, dependent on SA2 progress. |
| ~~4~~ | ~~8.10.3.1.3.1~~  ~~8.12.3.1.3.1~~ | ~~Editor's Note: FFS which Multi-RTT measurements are performed within the time windows.~~  ~~Editor's Note: FFS which DL-TDOA measurements are performed within the time windows.~~ | ~~Will be updated later, based on LPP progress.~~ |
| ~~5~~ | ~~8.15 SL positioning and ranging~~ | ~~TBD~~ | ~~Furter updates will be handled in the maintenance phase and/or company contributions.~~ |