**3GPP TSG-RAN3 Meeting #125bisR3-24xxxx**

**Hefei, China, 14-18 Oct, 2024**

**Agenda Item:** 12.2

**Source:**  ZTE Corporation, Nokia, Nokia Shanghai Bell

**Title:**  (TP to 38.305) Support of location service involving WAB

**Document for:** Discussion

# Introduction

During RAN#105 meeting, a new WI on additional topological enhancements for NR has been agreed in [1]. In this contribution, provide corresponding TPs to TS 38.305.

# Discussion

This contribution provides TP to TS 38.305 to support LCS involving WAB-node.

# Conclusion

# Reference

1. RP-242395 New WID on additional topological enhancements for NR, NTT DOCOMO, INC., AT&T

# Annex: TP to TS 38.305

-------------------------------------------Start of changes-------------------------------------------

## 3.1 Definitions

For the purposes of the present document, the terms and definitions given in TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [1].

As used in this document, the suffixes "-based" and "-assisted" refer respectively to the node that is responsible for making the positioning calculation (and which may also provide measurements) and a node that provides measurements (but which does not make the positioning calculation). Thus, an operation in which measurements are provided by the UE to the LMF to be used in the computation of a position estimate is described as "UE-assisted" (and could also be called "LMF-based"), while one in which the UE computes its own position is described as "UE-based". For sidelink positioning, an operation in which measurements are provided by a SL Target UE to a server (SL Server UE or LMF) to be used in the computation of a position estimate is described as "SL Target UE-assisted" (and could also be called "server-based"), while one in which the SL Target UE computes its own position is described as "SL Target UE-based".

**Alert Limit (AL)**: The maximum allowable positioning error for the purpose of integrity. If the positioning error is beyond this limit, the integrity results of the calculated location may not meet the integrity requirement.

**Mobile TRP:** a TRP belonging to a mobile IAB-node or a WAB-node as defined in TS 38.401 [38].

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