**3GPP TSG-RAN WG2 Meeting #127 R2-24xxxxx**

**Maastricht, Netherlands, Aug 19th – 23rd, 2024**

Agenda Item: 7.7.2

Source: CATT (Rapporteur)

Title: Summary of [AT127][302][R18 NR NTN] absence of validity duration in SIB19

Document for: Discussion and Decision

# Introduction

This document provides the discussion summary on the following email discussion:

* [AT127][302][R18 NR NTN] absence of validity duration in SIB19 (CATT)

Scope: Continue the discussion on the actual wording of the change according to option 2 for p2 (starting from the TP in Annex 2)

Intended outcome: report of offline discussion

Deadline for companies' feedback: Thursday 2024-08-22 20:00

Deadline for rapporteur's summary (in R2-2407613): Friday 2024-08-23 08:00

# Discussion

The TP in Annex 2 to option 2 for P2 is cited below (with original copy of TP in R2-2406328)

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| ***ntn-UlSyncValidityDuration***  A validity duration configured by the network for assistance information (i.e. Serving and/or neighbour satellite ephemeris and Common TA parameters) which indicates the maximum time duration (from *epochTime*) during which the UE can apply assistance information without having acquired new assistance information.  The unit of *ntn-UlSyncValidityDuration* is second. Value *s5* corresponds to 5 s, value *s10* indicate 10 s and so on. This parameter applies to both connected and idle mode UEs. If this field is absent in *ntn-Config* provided via *NTN-NeighCellConfig* or *SatSwitchWithReSync* in an NTN cell*,* the UE uses validity duration from the serving cell assistance information. If this field is absent in *ntn-Config* provided via *NTN-NeighCellConfig* in a TN cell*,* the validity duration is left to UE implementation.This field is excluded when determining changes in system information, i.e. changes of *ntn-UlSyncValidityDuration* should neither result in system information change notifications nor in a modification of *valueTag* in *SIB1*. *ntn-UlSyncValidityDuration* is only updated when at least one of *epochTime*, *ta-Info*, *ephemerisInfo* is updated. |

A clarification, again, is that this change just aims at how the UE sets the **validity duration value** (i.e. the length for validity timer) for the neighbor (if absent), not related to how the UE operates the validity timer itself. Below, companies' comments/suggestions are collected on the specific wording of the above change.

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| --- | --- |
| **Please provide comments/suggestions for wording improvement** | |
| Company | Comments/Suggestions (if any) |
| ZTE | Support the change, current wording is fine. |
| TCL | Support the current wording change |
| Apple | Fine with the change. |
| Lenovo | Ok for the change |
| Google | Ok with the change. |
| Ericsson | Support the change intention and suggest a small addition |
| LGE | OK for the change |
| Samsung | We think in TN case, if it is present, it is up to UE implementation how to use it; if it is absent, the value and how to use it are up to UE implementation.  We don’t see a strong need to clarify anything for TN, since it’s all up to UE implementation. But if majority want to clarify we are fine. |

# Conclusion

[TBD…

# Reference