3GPP TSG-RAN WG2 Meeting #124 draftR2- 2313964

Chicago, USA, 13th – 17th November 2023

**Title:** [DRAFT] LS on mobility enhancements for IoT NTN UEs

**Response to:**

**Release:** Rel-18

**Work Item:** IoT\_NTN\_enh-Core

**Source:** Ericsson (To be RAN2)

**To:** RAN4

**Cc:**

**Contact Person:**

**Name:** Emre A. Yavuz

**E-mail Address:** emre dot yavuz at ericsson dot com

**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

**Attachments:**

**1. Overall Description:**

RAN2 would like to inform RAN4 about the following relevant agreements made during RAN2#124 on mobility enhancements for IoT NTN UEs:

1. For NB-IoT NTN, it is up to UE implementation which frequencies to be measured/prioritized in RRC\_CONNECTED
2. eMTC UEs in NTN should use *MeasObject(s)* for performing measurements based on time/location criteria.

RAN2 kindly asks RAN4 to take the information above into consideration and, if needed, update their specifications.

**2. Actions:**

**To RAN4**

**ACTION:** RAN2 kindly asks RAN4 to take the information above into consideration and, if needed, update their specifications.

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

TSG-RAN WG2 Meeting #125 26th Feb – 1st Mar 2024 Athens, Greece

TSG-RAN WG2 Meeting #125bis 15th - 19th Apr 2024 China (TBC), CN