**3GPP TSG-RAN WG4 Meeting #106-bis-eR4-xxxx**

**Electronic Meeting, April 17 – 26, 2023**

**Title: Reply LS on enhanced cell reselection in NTN**

**Response to: R2-2301966**

**Release: Rel-17**

**Work Item: NR\_NTN\_Solutions**

**Source: RAN4**

**To: RAN2**

**Cc: -**

**Contact person: Rafhael Amorim**

**rafhael.medeiros\_de\_amorim@nokia.com**

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

**Attachments:** R4-2304659, R4-2305063

# 1 Overall description

RAN4 appreciates the work of RAN2 in addressing the concerns raised on the original LS (R4-2220427) and also the observations provided by RAN2 in the description of the feature list and in the lack of description for the behavior of RRC INACTIVE UE connected to a NTN Cell.

Regarding the actions requested by RAN2, RAN4 provides the following responses:

1. RAN4 would like to inform RAN2 that the UE feature group 25-4 for Enhanced RRM requirements for measurements in IDLE and INACTIVE modes has been updated as in the attachment R4-2304659.
2. RAN4 clarifies that the same requirements would apply for UE in RRC INACTIVE and IDLE modes in NTN. This is being currently addressed, as in the endorsed draftCR in the attachment (R4-2305063). A formal CR will be presented in next RAN4 meeting to capture the Inactive part into specification.
3. RAN4 confirms the RAN2 CR R2-2300470 is aligned with the applicability of the normal and enhanced cell requirements in RAN4 spec, and no separate description is required for RRC\_INACTIVE mode.

### 2 Actions

**To RAN2**

**ACTION:**

RAN4 respectfully asks RAN2 to take RAN4 work and information provided above into account.

### 3 Dates of next TSG RAN4 meetings

RAN WG4 Meeting #107 May 22 – May 26, 2023 Incheon, Korea

RAN WG4 Meeting #108 Aug 21 – Aug 25, 2023 Toulouse, France