**3GPP TSG-RAN WG4 Meeting #109 R4-2321975**

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

**Title:** LS on NTN VSAT capability

**Response to:**

**Release:** Rel-18

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

**Source:** RAN4

**To:** RAN1, RAN2

**Cc:** NONE

**Contact Person:**

**Name: Fei Xue**

**E-mail Address: xue.fei25@zte.com.cn**

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

**Attachments: None**

**1. Overall Description:**

For Rel-18 NTN UE capability in Ka-band, RAN4 have reached the following consensus to define the following new UE capabilities:

* + - Capability signalling to distinguish electronic or mechanical steering antenna
    - Capability signalling to distinguish fixed or mobile VSA
  + Reuse the capability of NTN\_ScenearioSuppot\_R17 to distinguish LEO, GSO or both

In addition, regarding network signalling for barring certain VAST access, RAN4 agree to specify a network IE to signal that network supports either a mobile VSAT UE, a fixed VSAT UE or both in Ka band.

**2. Actions:**

**To RAN2 group.**

**ACTION:** RAN4 asks RAN1/2 to consider the above in its further work.

**3. Date of Next RAN WG4 Meetings:**

3GPP RAN4#110 26 Feb – 01 March 2024 Athens, GR

3GPP RAN4#110-bis 15 – 19 April 2024 TBD, CN