3GPP TSG RAN WG2 Meeting#128 R2-24xxxxx

Orlando, USA, 18th - 22nd

**Title:** [Draft] **Reply LS on supporting MBS broadcast service for NR NTN**

**Response to: R3-245844 (R2-2409519)**

**Release: Release 19**

**Work Item: NR\_NTN\_Ph3-Core**

**Source: RAN2**

**To: RAN3, SA2**

**Cc: CT4**

**Contact person: Xiaolong Li**

**lixiaolong1@xiaomi.com**

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

**Attachments:** -

# 1 Overall description

RAN2 thanks RAN3 for their LS on supporting MBS broadcast service for NR NTN. RAN2 have made the agreements on the encoding and IE name of geographical service area in RAN2#128 as below:

1. The encoding of TN coverage introduced in Rel-18 in TS38.331, including *tn-ReferenceLocation-r18* and *tn-DistanceRadius-r18*, is reused for the geographical area of the circle.

2. The encoding of *Polygon* in TS37.355 is reused for the geographical area of the Polygon.

3. The *IntendedServiceArea* is considered as the IE name of the geographical area (we can still update the name in the CR implementation if needed)

# 2 Actions

**To RAN3, SA2**

RAN2 respectfully asks that RAN3 and SA2 take the above information into account.

# 3 Dates of next TSG RAN WG2 meetings

TSG-RAN2 Meeting #129 17th-21st Feb 2025 Athens, GR

TSG-RAN2 Meeting #129bis 7th-11th Apr 2025 TBD, CHINA