3GPP TSG RAN WG3 Meeting #127bis R3-252341

Wuhan, CN, 7th – 11st April 2025

**Title: LS on SONMDT for NTN**

**Response to:**

**Release: Release 19**

**Work Item: NR\_ENDC\_SON\_MDT\_Ph4-Core**

**Source: RAN3**

**To: RAN2**

**Cc:**

**Contact person: Miaoqi Zhang**

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

**Attachments:**

1. **Overall Description:**

In RAN3#127bis meeting, RAN3 discussed the MRO enhancement for location-based CHO in NTN scenario. RAN3 would like to check with RAN2 which option to be adopted to introduce in the UE RLF report.

* Option 1: to introduce the absolute UTC time of when RLF/HOF happens.
* Option 2: to introduce measured distance from UE to moving reference location of serving cell, and measured distance from UE to moving reference location of candidate cell when RLF happens.

1. **Actions:**

**To RAN2 group:**

**ACTION:** RAN3 kindly asks RAN2 to provide the feedback on the above question.

1. **Dates of next TSG RAN WG3 meetings**

TSG-RAN WG3 Meeting #128 19-23 May 2025 Malta, MT

TSG-RAN WG3 Meeting #129 25-29 August 2025 Bangalore, India