**3GPP TSG-RAN WG2 Meeting #117 Electronic R2-220xxxx**

**Elbonia, 21 February – 03 March 2022**

**Title: [DRAFT]** Reply LS on opens issues for NB-IoT and eMTC support for NTN

**Response to:** (R2-2202135/R3-221406) LS on opens issues for NB-IoT and eMTC support for NTN

**Release:** Release 17

**Work Item:** LTE\_NBIOT\_eMTC\_NTN

**Source:** Nokia [to be RAN2]

**To:** RAN3

**Cc:** SA2

**Contact Person:**

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

**1. Overall Description:**

RAN2 thanks RAN3 for the LS R3-221406.

Concerning the question to RAN2:

*RAN3 assumes that the LTE-M NTN capable UE indicates category M1 or M2 in its UE Radio Capability, which then the eNB will indicate to the CN as LTE-M Satellite Indication in the UE CAPABILITY INFO INDICATION message. RAN3 would ask RAN2 and SA2 to confirm this assumption.*

RAN2 confirms that LTE-M NTN capable UE indicates category M1 or M2 in its UE Radio capability and also IoT-NTN support as separate capability indication, so the eNB can set the *LTE-M Satellite Indication* in *the UE CAPABILITY INFO INDICATION* message based on these indications.

**2. Actions:**

**To RAN3.**

**ACTION:** RAN2 respectfully asks RAN3 to take the above information into account.

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

3GPP RAN2#118-e from 2021-05-16 to 2021-05-27 Electronic Meeting