**3GPP TSG-CT WG1 Meeting #134-e *Rev\_*C1-221368**

**E-Meeting, 17th – 25th February 2022**

**Title: Reply LS on UE providing Location Information for NB-IoT**

**Response to: LS (C1-221022 / R2-2201957) on UE providing Location Information for NB-IoT from RAN2**

**Release: Rel-17**

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

**Source: CT1**

**To: RAN2, RAN3, SA2**

**Cc: SA3, SA3-Li**

**Contact Person:**

Name: Vivek Gupta

E-mail Address: vivek\_g\_gupta at apple dot com

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

**1. Overall Description:**

CT1 thanks RAN2 for their LS (C1-221022 / R2-2201957) on UE providing location information for NB-IoT.

The UE location information is used by E-UTRAN to select an MME serving a PLMN corresponding to UE’s current location before the NAS connection has been setup and by the MME to verify the use of EPC of PLMN in the country of UE’s physical location during initial NAS procedures. Subsequently, after NAS security is established, the MME can verify the use of EPC of PLMN in the country of UE’s physical location by obtaining location information through already existing means in EPS using E-SMLC, which is security protected as NAS message payload, and would not need this UE location information delivered via NAS.

As such, CT1 does not think it is feasible that the UE location information can be provided reliably to MME via NAS during initial NAS procedures and that it is not viable to introduce such a solution at a fairly late stage in Rel-17 timeframe.

CT1 notes that any further work on this aspect in Rel-17, should depend on the progress in stage-2 and availability of corresponding stage-2 requirements.

**2. Actions:**

**To RAN2/RAN3/SA2**

**ACTION:** CT1 kindly asks RAN2/RAN3/SA2 to take the above response into account.

**3. Date of Next CT1 Meetings:**

CT1#135e 6th - 12th April 2022 electronic meeting

CT1#136e 12th - 20th May 2022 electronic meeting