**3GPP TSG-RAN WG2 Meeting #109-eR2-200xxxx**

**Online, 24th Feb - 6th Mar, 2020**

**Title:** [Draft] Reply LS on Rel-16 NB-IoT enhancements

**Response to:** R2-2000058/S2-1912763 and R2-2002212/C1-201024

**Release:** Release 16

**Work Item:** NB\_IOTenh3-Core

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

**To:** SA2, CT1, RAN3, SA

**Cc:** RAN, CT

**Contact Person:**

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

**Attachments:**

**1. Overall Description:**

**Reply to S2-1912763:**

RAN2 thanks SA2 for their reply LS and for proposing two options for the introduction of UE specific DRX.

In RAN2#109-e, RAN2 discussed the feasibility of the two options and preference from RAN2 point of view and would like to provide the following feedback:

* From RAN2 point of view, both options are feasible.
* From RAN2 point of view, option 2 is preferred as it can support separate value ranges for NB-IoT and WB-EUTRAN.

**Reply to C1-201024:**

RAN2 thanks CT1 for their question on the values for UE specific DRX cycle in NB-IoT.

In RAN2#109-e, RAN2 discussed the value set for UE specific DRX cycle in NB-IoT and agreed to support the following values:

320ms, 640ms, 1280ms, 2560ms, 5120ms and 10240ms

**2. Actions:**

**To SA2, CT1, RAN3, SA:**

RAN2 respectfully asks SA2, CT1, RAN3 and SA to take above information into account.

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

3GPP RAN2#109bis-e 20 - 24 Apr, 2020 TBD

3GPP RAN2#110 25 - 29 May, 2020 Athens, Greece