**3GPP TSG-RAN WG2 Meeting #113bis Electronic DRAFT R2-210xxxx**

**Elbonia, 19 – 27 May 2021**

**Title: [DRAFT]** Reply LS on Time Synchronization assistance parameters

**Response to:** SA2

**Release:** Release 17

**Work Item:** NR\_IIOT\_URLLC\_enh-Core

**Source:** Nokia [TSG RAN WG2]

**To:** SA2

**Cc:** RAN1, RAN3

**Contact Person:**

#### Name: Ping-Heng Wallace Kuo

E-mail Address: Ping-Heng.Kuo@nokia.com

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

**Attachments:** -

**1. Overall Description:**

RAN2 would like to thank SA2 for the LS relating to benefits of having time synchronization error budget at the NG-RAN (S2-2103023). For the question: “Is it beneficial for NG-RAN to receive Time synchronization error budget available for the NG-RAN for Uu interface to fulfil the time sync accuracy request?”, RAN2 has discussed and concluded that RAN2 sees some benefits for NG-RAN to know the Uu interface budget because the NG-RAN can potentially optimize its radio resource usage and determine the need of propagation delay compensation via the Uu interface based on its knowledge of time synchronization error budget.

RAN2 understands that such information could be made available to RAN in different forms, e.g. in the form of a time synchronization error budget or an indication of accuracy level (e.g., high/low), or such information could be derived by a network implementation with respect to the R17 use cases (e.g., smart grid, control-to-control). However, it is up to SA2 to decide on the exact nature of this information and if/how NG-RAN can/should obtain it.

**2. Actions:**

**To 3GPP SA WG2**

**ACTION:** RAN2 respectfully asks SA2 to take the above information into account in SA2’s future work

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

3GPP RAN2#115-e from 2021-08-16 to 2021-08-27 Electronic Meeting