**3GPP TSG-RAN WG2 Meeting #120 R2-2213048**

**Toulouse, France, 14 – 18 November 2022**

**Title:** LS response on 5GS time synchronization status report towards the UE(s)

**Response to:** R2-2211037/S2-2209876

**Release:** Release 18

**Work Item:** FS\_5TRS\_URLLC

**Source:** RAN2

**To:** 3GPP SA WG2

**Cc:**

**Contact Person:**

#### Name: Chunli Wu

E-mail Address: chunli.wu@nokia-sbell.com

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

**Attachments:** -

**1. Overall Description:**

RAN2 thanks SA2 for the LS [S2-2209876](https://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_153E_Electronic_2022-10/Docs/S2-2209876.zip) on the methods listed in TR 23.700-25 Annex A.1 to address KI#1 5GS network timing synchronization status and reporting.

RAN2 had discussions on the alternatives from SA2 and would like to provide the following feedback:

From RAN2 point of view, if the information is not UE specific and is required in IDLE and INACTIVE mode then we can use SIB to broadcast the information, but SIB size matters in RAN2 so keeping the size of information reasonable is important.

If dedicated information is required, from RAN2 perspective, it would be good to avoid all UEs going to connected at the same time. We would like to also point out in connected mode the UE can be provided with more accurate information.

Besides, RAN2 would like to know whether the information needs to be based on UE subscription and/or be ciphered which would impact the solution.

**2. Actions:**

**To 3GPP SA WG2 group.**

**ACTION:** RAN2 respectfully asks SA2 to take the feedback into account and provide further information if any.

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

RAN2#121 from 2023-2-27 to 2023-3-3 Athens

RAN2#121bis-e from 2023-4-17 to 2023-4-26 Online