**3GPP TSG-RAN WG2 Meeting #119 Electronic DRAFT R2-220xxxx**

**Online, 17 – 26 August 2022**

**Title: [DRAFT]** LS on Something

**Response to:** -

**Release:** Release 15

**Work Item:** TEI15

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

**To:** TSG RAN WG1

**Cc:**

**Contact Person:**

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**Attachments:** -

**1. Overall Description:**

In 5.2.1 of 38.331 for SIB1 it is captured:

*the SIB1 is transmitted on the DL-SCH with a periodicity of 160 ms and variable transmission repetition periodicity within 160 ms as specified in TS 38.213 [13], clause 13. The default transmission repetition periodicity of SIB1 is 20 ms but the actual transmission repetition periodicity is up to network implementation. For SSB and CORESET multiplexing pattern 1, SIB1 repetition transmission period is 20 ms. For SSB and CORESET multiplexing pattern 2/3, SIB1 transmission repetition period is the same as the SSB period (TS 38.213 [13], clause 13). SIB1 includes information regarding the availability and scheduling (e.g. mapping of SIBs to SI message, periodicity, SI-window size) of other SIBs with an indication whether one or more SIBs are only provided on-demand and, in that case, the configuration needed by the UE to perform the SI request. SIB1 is cell-specific SIB*

This was added based on email discussion report R2-1809109 in RAN2#102 pointing to RAN1 agreements on pattern1:

|  |
| --- |
| **Pattern1 (TDM)**Agreements**:*** When the SS/PBCH blocks and corresponding RMSI CORESETs occur in different time instances,
	+ The UE assumes that the RMSI CORESET monitoring window corresponding to an SS/PBCH block in the radio frame satisifies the condition mod(SFN,2)=0
	+ Note: RMSI scheduling periodicity is up to gNB implementation
 |

* Add: For pattern 1, *SIB1* transmission period is 20ms. In 5.2.1

There was no consensus whether RAN1 agreement was incorrectly captured in RAN2 as it seems one could interpret that for CORESET multiplexing pattern 1 NW has to utilize 20ms periodicity although indicated in the “note” in RAN1 agreement that scheduling periodicity is upt to gNB implementation. Thus RAN2 seeks a clarification from RAN1.

**2. Actions:**

**To RAN1 group.**

**ACTION:** RAN2 respectfully asks RAN1 to provide their input about current RAN2 specification regarding SIB1 periodicity.

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

RAN2#119bis-e from 2022-10-10 to 2022-10-19 Online

RAN2#120 from 2022-11-14 to 2022-11-18 Canada