3GPP TSG RAN WG2 #121bis-e R2-230xxxx

Electronic meeting, 17th – 26th April 2023

**Title:** Draft LS on Monitoring of paging occasions for CG-SDT with HD-FDD Redcap UEs

**Response to:**

**Release:** Release 17

**Work Item:** NR\_SmallData\_INACTIVE-Core

**Source:** Ericsson[to beRAN WG2]

**To:** RAN WG1, RAN WG4

**Cc:**

**Contact person:** Henrik Enbuske

Henrik.enbuske@ericsson.com

**Attachments:** none

# 1 Overall description

RAN2 has discussed possible clarifications on monitoring of paging occasions for CG-SDT with HD-FDD Redcap UEs based on specification text in RAN2 and relevant sections in RAN1 and RAN4.

Current RAN2 specifications, do not explicitly specify what happens for UEs in half duplex mode if a paging occasion conflicts with a CG-SDT occasion.

It is RAN2’s understanding that although information pertaining to this can be found in e.g., 38.213, clause 17.2 or in 38.133, clause 5.1B.2.6, the UE is only required to monitor paging for SI change indication in any paging occasion at least once per modification period during SDT if the initial downlink BWP on which the SDT procedure is ongoing is associated with a CD-SSB.

Similar to connected mode behaviour, since the UE is only required to monitor the paging in any paging occasion at least once per modification period, there should be other paging occasions available (within the modification period) to monitor the paging for SI change even if some of them overlap with the CG-SDT occasion(s).

Hence, RAN2 would like to ask RAN1 and RAN4 to take the above understanding into account and discuss possible amendment on misalignment between RAN2 specifications and RAN1 and/or RAN4 specifications.

# 2 Actions

**To RAN WG1 and RAN WG4**

**ACTION:** RAN2 would like to ask RAN1 and RAN4 to take the above understanding into account and discuss possible amendment on misalignment between RAN2 specifications and RAN1 and/or RAN4 specifications for CG-SDT with HD-FDD Redcap.

# 3 Dates of next TSG RAN WG2 meetings.

TSG RAN WG2 Meeting #122 22nd - 26th May 2023 Incheon, KR

TSG RAN WG2 Meeting #123 21st – 25th August 2023 Toulouse, FR