3GPP TSG RAN WG1 #105-e R1-210xxxx

e-Meeting, May 19 - 27, 2021

**Title: [DRAFT]** LS on Beam correspondence with Small Data Transmission in Inactive State

**Response to:** N/A

**Release:** Release 17

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

**Source:** Nokia [to be RAN1]

**To:** RAN4

**Cc:**

**Contact Person:**

**Name:** Karri Ranta-aho

**E-mail Address:** [karri.ranta-aho@nokia.com](mailto:karri.ranta-aho@nokia.com)

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

**Attachments:** -

**1. Overall Description:**

After receiving RAN2 LS on small data transmission in inactive state [R1-2100025/R2-2010841](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_112-e/Docs/R2-2010841.zip) in RAN1#104 in January 2021 RAN1 has worked on the L1 aspects on small data transmission in inactive state.

In current NR specification the UE Tx beam determination for both msg1 and msg3 in RACH procedure (in all RRC states) are up to UE implementation. Meantime, RAN1 understanding is that RAN4 beam correspondence requirements currently apply to RRC\_CONNECTED state only.

Given the above, RAN1 would like to ask RAN4 whether ~~consider extending~~ there is a need to define the beam correspondence requirements in Small Data Transmission (Configured Grant SDT and/or Random Access SDT)~~to apply to~~ RRC\_INACTIVE state transmissions.

**2. Actions:**

**To RAN~~2~~4 group.**

**ACTION:** RAN1 respectfully asks RAN4 to consider whether and how to define ~~extending~~ the beam correspondence requirements ~~to apply to apply~~ in RRC\_INACTIVE state transmissions.

**3. Dates of Next TSG-RAN WG1 Meetings:**

RAN1#106-e 16 – 27 August 2021 e-Meeting

RAN1#106bis-e 11 – 19 October 2021 e-Meeting

RAN1#107-e 11 – 19 November 2021 e-Meeting