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:** Should we CC RAN2?

**Contact Person:**

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**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 RAN1 discussions it appeared evident that the Small Data Transmissions in RRC\_INACTIVE would call for beam correspondence requirements to apply to these transmissions as well. RAN1 understanding is that RAN4 beam correspondence requirements currently apply to RRC\_CONNECTED state only, and if not extended to RRC\_INACTIVE the UE Tx beam could point to a different direction than where the SSB is received from, and the whole small data transmission is lost.

Given the above, RAN1 would like to ask RAN4 to consider extending the beam correspondence requirements to apply to RRC\_INACTIVE state transmissions.

**2. Actions:**

**To RAN2 group.**

**ACTION:** RAN1 respectfully asks RAN4 to consider extending the beam correspondence requirements to apply to apply 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