3GPP TSG RAN WG2 Meeting #117-e R2-220xxxx

Electronic Meeting, 21st Feb – 3rd Mar, 2022

**Title: [Draft] reply LS on handling of DL non-SDT during SDT procedure**

**Response to: R2-2202144 (R3-221472)**

**Release: Release 17**

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

**Source: CATT [to be RAN2]**

**To: RAN3**

**CC:**

**Contact Person:**

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

Attachments: None

**1. Overall Description:**

RAN2 thanks RAN3 for the LS on handling of DL non-SDT during SDT procedure. If DL non-SDT data/signalling arrival during SDT without anchor relocation, RAN2 confirm anchor gNB could move the UE back to RRC Inactive by using *RRCRelease* message. Then, the UE should re-initiate a new RRC Resume procedure (i.e. UE will be resumed to RRC\_CONNECTED) for follow-up data transmission. On how to trigger UE to re-initiate another RRC Resume procedure, two possible options were discussed in RAN3:

* Option 1: Use RAN paging to trigger the following-up RRC resume procedure after UE is moved to Inactive state.
* Option 2: Add specific cause value or Indication in RRCRelease message to indicate UE to trigger the follow-up resume procedure.

RAN2 discussed the two options and has reached the following agreement.

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| As a baseline, for handling the DL non-SDT data/signalling arrival during SDT procedure without anchor relocation: network use RAN paging to trigger the following-up RRC resume procedure after UE is moved to Inactive state. |

**2. Actions:**

**To RAN3 WG:**

RAN2 kindly asks RAN3 to take the above information into account.

**3. Date of Next RAN2 Meetings:**

TSG-RAN2 Meeting #118-e 16-27 May 2022 Electronic Meeting

TSG-RAN2 Meeting#119-e 22-26 Aug 2022 TBD