3GPP TSG-RAN WG2 Meeting #126 R2-240xxxx

Fukuoka, Japan, 20 – 25 May 2024

**Title: Draft-**Reply LS on SDT signalling optimization for partial context transfer

**Response to:** R2-2404123 (R3-242198)

**Release:** Rel-18

**Work Item:** TEI18

**Source:** to be RAN2

**To:** RAN3

Cc:

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Attachments: None

**1. Overall Description:**

RAN2 would like to thank RAN3 for the reply LS on SDT signalling optimization for partial context transfer in R2-2404123 (R3-242198).

For the network-based solution discussed in RAN3, there are no impacts to RAN2 specs for either Rel-17 or Rel-18, but RAN2 has identified the following issues:

**Issue 1: Data loss**

* If RRCSetup is received during SDT, the UE will discard any pending UL data and set up a new RRC Connection. The network will also establish a new UE context and UL/DL data will be lost .

**Issue 2: Signalling due to security context and AS context release**

* If RRCSetup is received during SDT, the UE will discard the current INACTIVE AS context and AS security context which requires RRC establishment related signalling to establish again. RAN2 would like to note that such signalling is required when receiving RRCSetup in response to RRCResumeRequest message .

**2. Actions:**

**To RAN2 group.**

**ACTION:** RAN2 kindly asks RAN3 to take the above considerations into account.

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

TSG-RAN3 #127 Aug 19 to 23, 2024 Maastricht, NL

TSG-RAN3 #127-bis Oct 14 to 17, 2024 TBC, CN