3GPP TSG-RAN WG2 Meeting #127 R2-2407501

Maastricht, Netherlands, 19 – 23 August 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:

**Contact person:**

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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).

With regards to the network-based solution discussed in RAN3, RAN2 would like to inform RAN3 that:

* If RRCSetup is received during SDT, the UE will discard any pending UL data and set up a new RRC Connection. Thus, the pending UL data will be lost.
* 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 AS context and AS security context again

In addition, RAN2 also discussed whether there is any issue if MAC is not reset upon receiving RRCSetup after data is exchanged during SDT. RAN2 discussed whether the network can handle this scenario without performing a MAC reset by network implementation or if a MAC reset is needed. Some companies in RAN2 are not sure whether network implementation can handle this without MAC reset. RAN2 would like to add that if a MAC reset is needed, this would be a non-backward compatible change to Rel-17 and is not desirable.

**2. Actions:**

**To RAN2 group.**

**ACTION:** RAN2 kindly asks RAN3 to take the above considerations into account for Xn-based network solution for partial context transfer.

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

TSG-RAN3 #127-bis Oct 14 to 17, 2024 Hefei, China