**3GPP TSG-RAN WG3 #111-e R3-21xxxx**

**25 January – 4 February 2021**

**Online**

Title: Signalling based logged MDT for UE in RRC\_INACTIVE

Response to: -

Release: Release 16

Work Item: NR\_SON\_MDT

Source: Samsung (to be RAN3)

To: RAN2, SA5

Cc: -

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Attachments:

1. **Overall Description:**

RAN3 discussed the issue about the mismatch logging duration for a RRC Inactive mode. In signaling based MDT, once the CN/OAM provides MDT configuration to NG-RAN node, a timer is started in CN and/or in NM system to keep track of the logging duration of the signaling based MDT, upon whose expiry another signaling based MDT can be triggered towards the same UE.

When the CN provides MDT configuration to NG-RAN node for a RRC inactive mode UE, the MDT configuration is stored in the UE context. When UE resumes at a new NG-RAN node, the new NG-RAN node retrieves the MDT configuration from the old RAN node and sends the MDT configuration to the UE. If the original logging duration is configured to the UE, there is a mismatch in the logging duration timer between UE and network (OAM, core network). Therefore RAN3 agreed the source node provides the remaining logging duration to the new node, the new node configures remaining logging duration to the UE.

By leveraging the remaining timer from old NG-RAN node, the new NG-RAN node can resolve the logging duration mismatch issue described above.

**2. Actions:**

RAN3 kindly asks RAN2 and SA5 to take above into account and feedback if needed.

**3. Date of Next RAN3 Meetings:**

TSG RAN WG3 Meeting #112-e 17 May – 28 May 2020 Online