**3GPP TSG-RAN WG3 Meeting #120R3-233308**

**Incheon, South Korea, May 22nd – 26th 2023**

**Title: [DRAFT]** Reply LS on RAN UE Id optionality

**Response to:** LS S5-232761 / R3-231121 on RAN UE Id optionality mobility from SA5

**Release:** Release 18

**Work Item:** Study on Management of Trace/MDT phase 2 - 950034

**Source:** Ericsson (will be RAN3)

**To:** SA5

**Cc:**

**Contact Person:**

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

# 1 Overall description

RAN3 thanks SA5 for the LS on RAN UE Id optionality.

SA5 asked RAN3 to consider and provide feedback on the following:

1. Availability of UE identifier(s) suitable for trace data correlation for Dual Connectivity and split deployments
2. Any relevant details and/or limitations in their usage, including persistency and conditionality
3. Details of any ongoing work which could affect any details provided

RAN3 has considered the above questions and would like to provide the following feedback:

1. RAN3 has discussed the availability of a UE identifier, and concluded that the RAN UE ID can be suitable for trace data correlation within the gNB for split deployments.
2. Relevant details and/or limitations in the usage of the RAN UE ID, including persistency and conditionality:
   * The RAN UE ID was introduced in Rel-15 to correlate logs captured from the different logical entities composing a gNB (i.e. gNB-CU-CP, gNB-CU-UP and gNB-DU), and belonging to the same UE.
   * The RAN UE ID is only used over E1 and F1 interfaces, allowing correlation within the same gNB. However, this IE has an optional presence, and the procedural text does not indicate when this IE needs to be included.
   * The RAN UE ID is not present in X2AP or XnAP procedures used for dual-connectivity, and therefore does not allow trace data correlation between MN and SN.
   * The RAN UE ID does not survive inter-node HO.
   * RAN3 do not see any other limitations.
3. RAN3 has not identified any ongoing work that could affect the provided feedback.

# 2 Actions

**Action to SA5 group.**

**RAN3 respectfully asks SA5 to take the above feedback into account for the study on Management of Trace/MDT phase 2, and to provide feedback on the above answers, if needed.**

# 3 Dates of next TSG-RAN WG3 meetings

TSG-RAN WG3 Meeting#121 21 - 25 August 2023 Toulouse, France

TSG-RAN WG3 Meeting#121-bis 9 - 13 October 2023 Xiamen, China