3GPP TSG-RAN WG3 Meeting #121 R3-23xxxx

**Toulouse, France, 21 – 25 Aug, 2023**

**Title: Reply LS on RACH enhancement**

**Response to:**

**Release: Rel-18**

**Work Item: NR\_ENDC\_SON\_MDT\_enh2-Core**

Source: RAN3

**To: RAN2**

**Cc: -**

**Contact person: Hongzhuo Zhang**

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

**Attachments:**

1 Overall description

In the context of RACH optimization, RAN3 discussed how to associate the RA Report(s) retrieved at a gNB with the corresponding RACH partitioning configurations at the time of recording the RA Report(s), in case the RACH partitions have changed by the time an RA Report is retrieved. Following alternatives were discussed, but there was no consensus in RAN3:

Alt 1: UE explicitly includes the RACH partitioning configuration information (feature priority, start preamble / number of preambles in the RA partition) in the RA Report

Alt 2: UE includes the time between RACH access that led to the generation of a RA Report and when RA Report was retrieved. Using this timer, the gNB can figure out the RACH partitioning confirmation used at the time of RACH access.

RAN3 would like to check with RAN2 on the feasibility and their preference on the above two alternatives.

2 Actions

**To RAN2**

**ACTION:** RAN3 kindly asks RAN2 to provide feedback on above question.

# 3 Dates of next RAN3 meetings

Updated meeting schedule can be found at: <https://portal.3gpp.org/?tbid=373&SubTB=381#/>

RAN3#121-bis 2023-10-09 - 2023-10-13 Xiamen, CN

RAN3#122 2023-11-13 - 2023-11-17 Chicago, US