**3GPP TSG-RAN WG2 Meeting #113bis electronic R2-210xxxx**

**Online, April 12 – April 20, 2021**

**Title: [Draft]** Reply LS on UE Sub-grouping for Paging Enhancement

**Response to:** R2-2102621 (R1-2102136)

**Release:** Rel-17

**Work Item:** NR\_UE\_pow\_sav\_enh-Core

**Source:** RAN2, MediaTek Inc.

**To:** RAN1

**Cc:**

**Contact Person:**

#### Name: Li-Chuan TSENG

#### E-mail Address: li-chuan.tseng@mediatek.com

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

**Attachments:** None

**1. Overall Description:**

RAN2 would like to thank RAN1 for their LS on UE sub-grouping for paging enhancements. RAN2 discussed this topic and agreed to the following:

* We adopt network controlled subgrouping (based on individual UE characteristics, not specified or limited to paging probability as EUTRA, possibly with additional randomization);
* If the network chooses to not provide specific subgrouping information, there will be configuration option where subgrouping can be supported by randomization (by UE-ID);
* From RAN2’s perspective, the maximum number of UE subgroups per PO [should be at least 8 to provide enough gain] [does not need to be more than 4 ]

**2. Actions:**

**To RAN1:**

RAN2 respectfully asks RAN1 to take the above information into account for RAN1’s future work.

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

TSG RAN WG2 Meeting #114-e 12 May - 27 May, 2021 e-Meeting

TSG RAN WG2 Meeting #115-e 16 August - 27 August, 2021 e-Meeting