**3GPP TSG RAN WG1 Meeting #104-e R1-2101940**

**e-Meeting, January 25th – February 5th, 2021**

**Title: [Draft]** Reply LS on Paging Enhancement

**Response to:** R1-2100020 (R2-2010884)

**Release:** Rel-17

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

**Source:** MediaTek Inc.

**To:** RAN2

**Cc:**

**Contact Person:**

#### Name: Weide Wu

#### E-mail Address: Weide.wu@mediatek.com

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

**Attachments:** None

**1. Overall Description:**

RAN1 would like to thank RAN2 for their LS on paging enhancements. RAN1 continued discussing physical layer design for paging enhancement and agreed the following:

Carrying UE subgroups information is considered in physical layer design for paging enhancement

* Note: The number of UE subgroups RAN1 has evaluated ranges from 2 to 16 for a PO

For the down prioritized items, RAN1 agrees that they can be down prioritized and RAN1 will not work further on the following items:

* UE subgroup indication by using multiple P-RNTIs;
* Paging for UE subgroups using different time/frequency resources.

**2. Actions:**

**To RAN2:**

RAN1 respectfully asks RAN2 to take the above information into account for RAN2’s future work and to provide information on RAN2’s decision and requirements on UE sub-grouping for paging enhancement.

**3. Date of Next RAN1 Meetings:**

TSG RAN WG1 Meeting #104-bis-e 12 Apr. - 20 Apr., 2021 e-Meeting

TSG RAN WG1 Meeting #105-e 19 May - 27 May, 2021 e-Meeting