**3GPP TSG-RAN WG2 Meeting #114 electronic R2-210xxxx**

**Online, May 19 – May 27, 2021**

**Title:** LS on Paging Subgrouping

**Response to:**

**Release:** Rel-17

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

**Source:** RAN2

**To:** RAN3, SA2, CT1

**Cc:**

**Contact Person:**

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**Attachments:** None

**1. Overall Description:**

RAN2 discussed ways to group UEs sharing a paging occasion into multiple subgroups, as a means to reduce paging false alarm, thereby leading to additional UE Power Savings..

RAN2 made the following agreements in RAN2#113bis-e:

* We adopt Network controlled subgrouping (based on individual UE characteristics, not specified or limited to paging prob 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).

RAN2 made the following agreements in RAN2#114-e:

The following is supported:

* CN is responsible for allocating UEs to UE paging subgroups based on UE characteristics
* Use same UE subgroups when in RRC\_IDLE and RRC\_INACTIVE

**2. Actions:**

**To RAN3, SA2, and CT1:**

RAN2 respectfully asks RAN3, SA2, and CT1 to take the above information into account for their future work.

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

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

TSG RAN WG2 Meeting #116-e 1 November – 12 November, 2021 e-Meeting