**3GPP TSG-RAN WG2 Meeting #129 R2-250xxxx**

**Athens, Greece, Feb. 17th – 21st, 2025**

**Title:** Reply LS on LP-WUS subgrouping

**Response to:** R2-2500050/S2-2412876

**Release:** Rel-19

**Work Item:** NR\_LPWUS-Core

**Source:** RAN2

**To:** SA2, RAN3, CT1

**Cc:** RAN1, RAN4

**Contact Person:**

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**Attachments:**

**1. Overall Description:**

RAN2 thanks SA2 for the LS in S2-2412876 and provides the following feedback:

1. On the terminology and naming of “LP-WUS”:

It’s not necessary that LP-WUS is transmitted with high power. Higher power is just one possible way to ensure the coverage performance. The terminology has been used since R18 Study Item on LP-WUS and the terminology is clear in RAN without any misunderstanding. Thus, RAN2 confirmed that the “LP-WUS” terminology can be used.

1. On the issue of UE radio capability for paging information, RAN2 had the following agreement:

* Regarding the SA2 raised issue on UE Radio Capability for Paging Information, R2 understand that there is no issue for NW after Release 17 (in which case the LP-WUS UE-ID based subgrouping UE capability is included in the *UE-RadioPagingInfo* container).

Whether there is issue for Release 15 gNB and Release 16 gNB and for the other cases (for the features mentioned by SA2 LS R2-2500050) can be further discussed in the coming RAN2 meetings based on company contributions.

**2. Actions:**

**To SA2, RAN3, CT1**

RAN2 respectfully asks SA2, RAN3, CT1 to take the above answer into account.

**3. Date of Next TSG-RAN WG2 Meeting:**

3GPP RAN2#129bis 07 - 11 April, 2025 Wuhan, China

3GPP RAN2#130 19 - 23 May, 2025 St Julian, Malta