3GPP TSG-RAN WG3 #129 R3-255880

**Bengaluru, India, 25th – 29th August 2025**

**Title: LS on allocation of CN assigned subgroup ID for LP-WUS**

**Response to: -**

**Release: Rel-19**

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

**Source: RAN3**

**To: SA2**

**Cc: RAN2, RAN1**

**Contact Person: Mio Nakamura**

**mio.nakamura.ue@nttdoomo.com**

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

**Attachments: None**

# Overall description

Regarding the range of CN based subgroup ID for LP-WUS, RAN3 made the following agreements:

* **The range of CN based subgroup ID in NG/Xn/F1 message is 0.. 30.**

This agreement means that when the AMF allocates CN based subgroup ID for the UE, up to implementation, it should consider the least range of subgroup ID available over NG-RAN cells corresponding to the UE registration area.

RAN3 would like to provide following background information: according to the TS 38.213, for CN based subgroup ID, dependent on the per-cell PO (Paging Occasion) to LO (LP-WUS Occasion) association:

* in case PO-to-LO association is 4, subgroup ID #0 to #6 can be used;.
* in case PO-to-LO association is 2, subgroup ID #0 to #14 can be used;
* in case PO-to-LO association is 1, subgroup ID #0 to #30 can be used;

RAN3 would like to ask SA2 to take the above into consideration, and discuss the potential specification impact, if any.

# Actions

**To SA2:**

**ACTION:** RAN3 would like to ask SA2 to take the above into consideration, and discuss potential specification impact, if any.

# Dates of next TSG RAN WG3 meetings

RAN3#129bis 13th -17th October Prague, Czech Republic

RAN3#130 17th – 21st November Dallas, USA