3GPP TSG-RAN WG3 #129 R3-25xxxx

Bengaluru - India, 25 – 29 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**

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**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 in RAN3#129 meeting:

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

This agreement assumes that AMF allocates CN based subgroup ID considering the least range of subgroup ID available on the cells corresponding to the AMF and reserved subgroup IDs for common codepoint. The reserved subgroupIDs are based on the PO-to-LO association and codepoint determination defined in TS38.213. For example, in case PO-to-LO association can be 1, 2, or 4 on the cells corresponding to the AMF, it can use subgroup ID #0 to #6 for CN assigned subgroup IDs as the subgroupID#7 is for reserved subgroupID. In case PO/LO can be 1 or 2 but cannot be 4, the AMF can use subgroup ID #0 to 14 as the subgroupID#15 is for reserved subgroupID.

RAN3 kindly ask SA2 to discuss whether and how to specify above mentioned AMF behavior in SA2 specifications.

## Actions:

RAN3 would like to ask SA2 to discuss above mentioned AMF behavior and specify necessary enhancement, if any.

## Date of Next TSG-RAN3 Meetings:

TSG-RAN3 Meeting #129bis 13th – 17th October 2025 Prague

TSG-RAN3 Meeting #130 17th – 21st November 2025 US