**3GPP TSG-RAN WG2 Meeting #123 *DRAFT\_*R2-2309157**

Toulouse, France, 21 - 25 August 2023

**Title: [DRAFT]** LS on SL RB set index and LBT failure indication for PSFCH

**Response to:** -

**Release:** Rel-18

**Work Item:** NR\_SL\_enh2

**Source:** CATT [To be RAN2]

**To:** RAN1

**Cc:** -

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

**Attachments:** -

# 1 Overall description

In RAN2 #123 meeting, how SL RB set(s) are indicated in the SL LBT failure MAC CE was discussed, and the following agreement was made by RAN2:

Agreements on SL C-LBT failure MAC CE

1: RAN2 understands 5bits indication per SL carrier. Will ask how RB set index is derived, whether RB set index is unique within SL-BWP, to RAN1.

Based on the above agreement, RAN2 would like to respectfully ask RAN1 to provide feedbacks about how the SL RB set is indexed.

In addition, RAN2 discussed how the LBT failure indication for PSFCH should be provided by L1 in the case of multiple PSFCH occasions. It is RAN2 understanding that LBT failure indication can be provided from L1 once each transmission fails per PSFCH occasion in multiple PSFCH occasions.

# 2 Actions

**To RAN1**

RAN2 respectively asks RAN1 to provide answers on the below questions about SL RB set index:

* Question 1: How is the SL RB set index derived?
* Question 2: Is the SL RB set index derived (based on the answer to Question 1) uniquely within the SL-BWP?

In addition, RAN1 is invited to take the above RAN2 understanding on LBT failure indication for PSFCH, in the case of Multiple PSFCH occasions, into account.

# 3 Dates of next TSG-RAN WG2 meetings

TSG RAN WG2 Meeting #123bis 09 – 13, October, 2023 Xiamen, CN

TSG RAN WG2 Meeting #124 13 – 17, November, 2023 Chicago, US