**3GPP TSG-RAN WG1 Meeting #110bis-e R1-22xxxxx**

**e-Meeting, October 10th – 19th, 2022**

**Title: [DRAFT]** Reply LS on resource pool index in DCI Format 3\_0

**Response to:** R1-2208329 (R2-2209207)

**Release:** Rel-17

**Work Item:** NR\_SL\_relay-Core

**Source:** vivo [RAN1]

**To:** RAN2

**Cc:**

**Contact person:** Siqi Liu

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

**Attachments:**

# 1 Overall description

RAN1 thanks RAN2 for the LS informing the issue that the sidelink resources in mode-1 dedicated discovery resource pool (i.e., configured by *sl-DiscTxPoolScheduling*) cannot be scheduled by DCI format 3\_0. RAN1 acknowledges the issue. RAN1 has achieved the following agreement and fixed this issue with the following change in 38.212

**Proposal 1(II)**

* **“Resource pool index” in a DCI format 3\_0 refers to the index of a configured Tx pool ~~when at least one of~~ in sl-TxPoolScheduling and/or sl-DiscTxPoolScheduling when at least one of them is configured.**
  + **Adopt the proposed spec change3~~2~~ ~~for size alignment~~ in 38.212**

|  |
| --- |
| 7.3.1.4.1 Format 3\_0 DCI format 3\_0 is used for scheduling of NR PSCCH and NR PSSCH in one cell.  The following information is transmitted by means of the DCI format 3\_0 with CRC scrambled by SL-RNTI or SL-CS-RNTI:  - Resource pool index – bits, where *I* is the total number of resource pools for transmission configured by the higher layer parameter *sl-TxPoolScheduling*, if configured, and *sl-DiscTxPoolScheduling*, if configured. |

RAN1 has discussed how to determine the scheduled pool corresponding to the 'Resource pool index' in a DCI format 3\_0 when both *sl-TxPoolScheduling* and *sl-DiscTxPoolScheduling* are configured, and RAN1 agrees that it is up to RAN2 to decide whether/how to specify the indexing of the configured Tx resource pools.

**Proposal 4(I)**

* **For determining the scheduled Tx resource pool corresponding to the 'Resource pool index' in a DCI format 3**\_**0 when both sl-TxPoolScheduling and sl-DiscTxPoolScheduling are configured, it is up to RAN2 to decide whether/how to specify the indexing of the configured Tx resource pools**

RAN1 has also discussed whether a UE capability is needed to support DCI format 3\_0 capable of scheduling a dedicated discovery pool, and decides to leave this decision to RAN2.

# 2 Actions

**To RAN2**

RAN1 respectfully asks RAN2 to take the above information into account in related work, and make necessary specification changes (if any).

# 3 Dates of next TSG-RAN WG1 meetings

TSG RAN WG1 Meeting #111 November 14th – 18th, 2022 Toulouse

TSG RAN WG1 Meeting #112 February 27th – March 03rd, 2023 Athens