**3GPP TSG-RAN WG3#116-e R3-224031**

**E-Meeting, 09 – 19 May 2022**

**Title:** LS on RB set configuration for IAB

**Response to:**

**Release:** Rel-17

**Work Item:** NR\_IAB\_enh-Core

**Source:** RAN3

**To:** RAN1

**Cc:**

**Contact Person:**

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**1. Overall Description:**

RAN3 has captured the RB set configuration in F1AP and XnAP specification.

RAN3 did not reach consensus on whether the RB set Configuration is applicable for the IAB-donor-DU. Consequently, RAN3 would like to ask RAN1 to clarify whether the RB set needs to be configurable to the IAB-donor-DU.

In addition, the RB set size in current F1AP specification [TS38.473] designed by RAN3 is provided in the following table. And RAN1 previously agreed to the following “*N is at least the # PRBs corresponding to the MT’s configured #PRB of an RBG*” during RAN1#105-e regarding configuring for an IAB-DU the frequency domain granularity in units of RB set for Rel-17 H/S/NA. Companies in RAN3 have different understanding on this agreement and cannot reach consensus on whether to add clarification in the semantics description of the *RB Set Size* IE regarding to the mentioned agreement.

9.3.1.230 RB Set Configuration

This IE contains the RB Set Configuration. The IE is only applicable if the gNB-DU is an IAB-DU.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| Subcarrier Spacing | M |  | ENUMERATED (kHz15, kHz30, kHz60, kHz120, kHz240, spare3, spare2, spare1, …) | Subcarrier spacing used as reference for the RB set configuration. |
| RB Set Size | M |  | ENUMERATED (rb2, rb4, rb8, rb16, rb32, rb64) | Number of PRBs in each RB set. |
| **>>>>>>>>>>unrelated parts are skipped<<<<<<<<<<** | | | | |

RAN3 would like to ask RAN1 to confirm whether the current F1AP signalling about RB set size is clear enough. If not, which kind of clarification should be added?

**2. Actions:**

**To RAN1 group:**

**ACTION:**

RAN3 respectfully asks RAN1 to clarify:

1. Whether the RB set needs to be configurable to the IAB-donor-DU.
2. Whether the current F1AP signalling about RB set size is clear enough. If not, which kind of clarification should be added?

**3. Date of Next TSG-RAN WG3 Meetings:**

TSG-RAN WG3#117-e 15 August – 25 August 2022 E-meeting