**3GPP TSG-RAN WG3 Meeting #111-eR3-211325**

**Online, January 25th – February 4th 2021**

**Title:** LS on HSNA Configuration per (Parent-DU) Cell Serving the Collocated IAB-MT

**Response to:** -

**Release:** Rel-16

**Work Item:** NR\_IAB

**Source:** RAN3

**To:** RAN1

**Cc:** -

**Contact Person:** Filip Barac

[filip.barac@ericsson.com](mailto:filip.barac@ericsson.com)

**Send any reply LS to:** 3GPP Liaisons Coordinator, <mailto:3GPPLiaison@etsi.org>

# 1. Overall Description:

At the RAN3#111-e meeting, RAN3 has discussed the interpretation of the following two RAN1 agreements:

* From RAN1#98: *“The H/S/NA attributes for the per-cell DU resource configuration should take into account the associated MT carrier frequency(ies)”*
* From RAN1#98bis: *“H/S/NA attributes for the per-cell DU resource configuration are explicitly indicated per-resource type (D/U/F) in each slot.”*

In TS 38.473, RAN3 has previously specified the *HSNA Slot Configuration List* IE, consisting of up to 5120 items, where 5120 is the maximum number of "Hard", "Soft" or "Not available" slots within a 160ms period. Herein, for each slot, an indication of whether the slot is DL, UL or Flexible and whether the slot resources are designated as “Hard”, “Soft” or “Not Available” is given.

Some companies have pointed out that RAN1 requirements require an H/S/NA configuration list signaled to an IAB-DU per cell serving the co-located IAB-MT. Conversely, some companies argued that TS 38.213 (Sec. 14) states that an IAB-DU should receive only one such list, for the entire co-located IAB-MT.

With respect to the above RAN1 agreements, RAN3 could not reach a consensus on which of the following two interpretations of the above agreements is correct:

* **Interpretation 1:** For each cell served by an IAB-DU, **one** *HSNA Slot Configuration List* IE is configured at the IAB-DU, irrespective of the carrier configuration used by the co-located IAB-MT (i.e. **one *HSNA Slot Configuration List* IE with respect to the entire co-located IAB-MT.**
* **Interpretation 2:** For each cell served by an IAB-DU, the *HSNA Slot Configuration List* IE is configured at the IAB-DU **per each parent IAB-DU cell serving the co-located IAB-MT**, whereas the maximum number of cells serving an IAB-MT is 32.

# 2. Actions:

**To RAN1 group:**

**ACTION:** RAN3 respectfully asks RAN1 to inform RAN3 which of the above two interpretations of the above two RAN1 agreements is correct.

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

TSG-RAN WG3#112-e 17 May – 27 May 2021 Online