**3GPP TSG RAN WG1 Meeting #100bis-e R1-200xxxx**

**e-Meeting, April 20th- 30th, 2020**

**Title:** [Draft] LS on IAB-DU features

**Response to:**

**Release:** Rel-16

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

**Source:** Qualcomm [RAN1]

**To:** RAN3

**Cc:**

**Contact Person:**

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**1. Overall Description:**

During RAN WG1 #100bis-e it was agreed the following RAN WG1 features apply to the IAB-DU. RAN WG1 would like to inform RAN WG3 of such features.

* Inter-IAB-node discovery and measurements: SSB transmission configuration: support up to 4 STCs configured for an IAB-DU per cell per frequency location, including IAB-specific SSB transmission periodicities.
* Extension of RACH occasions and periodicities for backhaul RACH resources: support RACH configuration separately from the RACH configuration for UE access, including new IAB-specific offset and scaling factors.
* IAB-node non-TDM multiplexing capability: TDM not required between IAB-MT and IAB-DU functions.
* UL-Flexible-DL slot formats: support semi-static and dynamic configuration/indication of UL-Flexible-DL slot formats for IAB-DU resources.
* Dynamic indication of soft resource availability: support DCI Format 2\_5 based indication of soft resource availability to an IAB-node.
* IAB-DU resource configuration: per-cell D/U/F resource type configuration + H/S/NA attributes per-resource type.
* Insertion of guard symbols by the IAB-DU.

**2. Actions:**

**To RAN3**

**ACTION:**

RAN WG1 informs RAN WG3 of the aforementioned IAB-DU features and respectfully asks RAN WG3 to take them into consideration in any related decision on how to handle IAB-DU features.

**4. Date of Next TSG-RAN WG1 Meetings:**

TSG-RAN WG1 Meeting #101-e 25 May – 5 June 2020, e-Meeting

TSG-RAN WG1 Meeting #102 24 – 28 August 2020, Toulouse, France