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**Title:** (TP for NR\_mobile\_IAB BL CR for TS 38.470) New F1 setup

**Document Type:** Other

# Introduction

This is to provide TP for TS38.470 to support the new IAB procedures.

# Annex: TP for NR\_mobile\_IAB BL CR for TS 38.470

**START OF CHANGES**

### 5.2.12 IAB support function

The support for IAB comprises several functions.

The BAP mapping configuration function allows the IAB-donor-CU to provide BAP mapping which includes the backhaul routing configuration and/or BH RLC channel mapping information for IAB-donor-DU or IAB-DU. This function also enables the IAB-donor-CU to provide the BAP header rewriting configuration, or other BAP related configurations to the IAB-DU. This function also enables the IAB-donor-CU to provide the BAP related configurations to the IAB-donor-DU.

The gNB-DU resource configuration function is used by the IAB-donor-CU to provide cell resource configuration for an IAB-donor-DU or an IAB-DU, and/or NA resource configuration of a parent node IAB-DU or IAB-donor-DU serving the co-located IAB-MT for an IAB-DU, and/or information about the child node’s cell resource configuration and other periodic configurations to a parent IAB-node or an IAB-donor-DU. This function also allows the IAB-donor-CU to provide the semi-static cell resource configuration of a neighbour node or a peer parent-node of a child node, whereas this neighbor node or a peer parent can be an IAB-donor-DU or an IAB-DU.

The IAB TNL address configuration function enables the IAB-donor-CU to request IP address(es) to be used for IAB-node(s) from an IAB-donor-DU, or to request from an IAB-donor-DU the removal of IP address(es) used for IAB-node(s). This function is also used by the IAB-donor-CU to provide an IAB-donor-DU with the IP address information of the traffic to be transferred to a peer IAB-donor-DU via an inter-donor-DU tunnel.

The IAB UP configuration update function allows the update of BH information or the UP TNL information between the IAB-donor-CU and an IAB-DU.

The Mobile IAB F1 Setup Triggering function enables the IAB-donor-CU to trigger the new F1 interface establishment between a target logical IAB-DU and a target F1-terminating IAB-donor-CU.

The Mobile IAB F1 Setup Outcome Notification function enables the IAB-DU to report the outcome of the F1 interface setup between a target logical IAB-DU and a target IAB-donor-CU and.

**NEXT CHANGE**

### 6.1.12 IAB procedures

The IAB procedures are listed below:

- BAP Mapping Configuration procedure

- gNB-DU Resource Configuration procedure

- IAB TNL Address Allocation procedure

- IAB UP Configuration Update procedure

- Mobile IAB F1 Setup Triggering

- Mobile IAB F1 Setup Outcome Notification

**END OF CHANGES**