3GPP TSG-RAN WG3 Meeting #122 R3-237908

**Chicago, US, 13-17 Nov, 2023**

Agenda Item: 13.3

Source: Huawei

Title: (TP for NR\_mobile\_IAB BL CR for TS 38.401) TAC/RANAC configuration for mobile IAB

Document for: Agreement

# 1 Introduction

This is to capture the TAC/RANAC configuration about the mobile IAB-DU cell.

**CB: # IAB-Mob\_Enh**

* **Discuss whether an LS to SA2 is needed to notify them of RAN3´s agreements with an impact on SA2´s specs**

(Moderator – ZTE)

# Annex 1: TP to Mobile IAB BL CR of TS 38.401

<<<<<<<<<<<<<<<<<<<< Start of Change >>>>>>>>>>>>>>>>>>>>

## 3.2 Abbreviations

For the purposes of the present document, the terms and definitions given in TR 21.905 [1] and the following apply.
A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [1].

5GC 5G Core Network

AMF Access and Mobility Management Function

AP Application Protocol

AS Access Stratum

BH Backhaul

CAG Closed Access Group

CHO Conditional Handover

CLI Cross-Link Interference

CM Connection Management

CMAS Commercial Mobile Alert Service

CPA Conditional PSCell Addition

CPC Conditional PSCell Change

DAPS Dual Active Protocol Stack

EM Element Manager

EN-DC E-UTRA-NR Dual Connectivity

ETWS Earthquake and Tsunami Warning System

F1-U F1 User plane interface

F1-C F1 Control plane interface

F1AP F1 Application Protocol

FDD Frequency Division Duplex

FTEID Fully Qualified TEID

GTP-U GPRS Tunnelling Protocol

IAB Integrated Access and Backhaul

IP Internet Protocol

L2 Layer-2

MBS Multicast Broadcast Service

MCG Master Cell Group

MDT Minimization of Drive Tests

MN Master Node

MgNB Master gNB

MRB MBS Radio Bearer

MRDC Multi-Radio Dual Connectivity

NAS Non-Access Stratum

NID Network identifier

NPN Non-Public Network

NSA Non Standalone

OAM Operation, Administration and Maintenance

PNI-NPN Public Network Integrated Non-Public Network

PTP Point to Point

PTM Point to Multipoint

PWS Public Warning System

QoE Quality of Experience

QoS Quality of Service

RANAC RAN Area Code

RET Remote Electrical Tilting

RIM Remote Interference Management

RIM-RS Remote Interference Management Reference Signal

RNL Radio Network Layer

RRC Radio Resource Control

SA Standalone

SAP Service Access Point

SCG Secondary Cell Group

SCTP Stream Control Transmission Protocol

SFN System Frame Number

SgNB Secondary gNB

SM Session Management

SMF Session Management Function

SN Secondary Node

SNPN Stand-alone Non-Public Network

SRAP Sidelink Relay Adaptation Protocol

TAC Tracking Area Code

TCE Trace Collection Entity

TDD Time Division Duplex

TDM Time Division Multiplexing

TEID Tunnel Endpoint Identifier

TMA Tower Mounted Amplifier

TNL Transport Network Layer

U2N UE-to-Network

<<<<<<<<<<<<<<<<<<<< Next Change >>>>>>>>>>>>>>>>>>>>

### 8.9.X3 TAC/RANAC (re-)configuration for mobile IAB

The TAC/RANAC of the cell(s) served by a mobile IAB-node is configured by the OAM, and it can be reconfigured by the OAM during the mobile IAB-node movement. The TAC/RANAC of the mobile IAB-DU’s cell served by mobile IAB-DU need not be same as the TAC/RANAC of the collocated mobile IAB-MT’s serving cell. The TAC/RANAC broadcast by the mobile IAB-DU cell can be changed in order to reflect the mobile IAB-node’s physical location.

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