3GPP TSG-RAN WG3 Meeting #124 R3-243860

**Fukuoka, Japan, 20-24 May, 2024**

Agenda Item: 12.2

Source: CATT, Xiaomi, Lenovo, Ericsson, Nokia, Nokia Shanghai Bell, Samsung, Qualcomm

Title: (TP to TR 38.799) On WAB authorization

Document for: other

# 1 Introduction

This TP is to introduce the WAB authorization part to TR 38.799 according to following agreements:

**WAB Authorization**

**RAN3 understands that authorization of the WAB-MT is different from the WAB-gNB service authorization/configuration/activation by e.g. OAM/SeGW.**

**WAB-MT authorization provides the WAB MT with the right to support BH PDU sessions.**

**In case MT authorization is based on slice, signaling enhancements to the AS layer for the support of WAB-MT authorization are not needed. SA2 to decide whether MT authorization based on slicing is supported.**

**Authorization of WAB-gNB provides service authorization, i.e., the right to serve UEs.**

**It is RAN3 understanding that WAB-gNB’s authorization status can change.**

**The UEs served by a WAB-gNB whose authorization status changes from “authorized” to “not authorized” can either be handed over to other RAN nodes or released.**

**The NG connection(s) of a WAB-gNB whose authorization status changes from “authorized” to “not authorized” can be removed. It needs to be further studied whether they can be suspended. Any Stage 3 decisions are to be taken during normative work.**

**CB: # WAB**

* **Resolve the FFS captured above**
* **Converge on the TPs below, where agreements taken above will be captured. If any more agreements are taken, they can be included in the TPs below:**
	+ **TP for Architecture (Nokia)**
	+ **TP for Integration procedure (Huawei)**
	+ **TP for Authorization (CATT)**
	+ **TP for Mobility (Ericsson)**
	+ **TP for miscellaneous issues (ZTE)**
		- **WAB configuration**
		- **Etc**
* **SA2 reply LS (Qualcomm)**

(Moderator – Docomo)

Summary of offline disc in R3-243844

# Annex (TP to TR 38.799)

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## 4.3 Operational aspects

Editor Note:

- Impact of WAB mobility within an existing RAN (e.g., inter-gNB neighbour relations).

- Inter-gNB- and gNB-to-CN signalling to address the support of WAB.

4.3.x WAB authorization

WAB authorization includes the authorization of the WAB-MT and the service authorization of WAB-gNB. The authorization of the WAB-MT is different from the service authorization/configuration/activation of the WAB-gNB.

Authorization of the WAB-MT provides the WAB-MT with the right to support backhauling traffic of WAB-gNB via BH PDU session(s).

Authorization of the WAB-gNB provides the service authorization, i.e., the right to serve UEs. The service authorization to the WAB-gNB is performed by e.g. OAM/SeGW using legacy procedures.

The WAB-gNB’s service authorization status can change. In case a WAB-gNB whose service authorization status changes from “authorized” to “not authorized”, the UE served by the WAB-gNB can either be handed over to other RAN nodes or be released, and then the NG and Xn connection(s) of the WAB-gNB can be removed.

Editor’s NOTE: FFS whether existing procedure/mechanism can be used to remove NG connection.

Editor’s NOTE: FFS whether NG connection(s) can be suspended.

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