3GPP TSG-RAN WG3 Meeting #127bis R3-252385

**Wuhan, China, 7th - 11th April, 2025**

Agenda Item: 17.3

Source: Ericsson, Deutsche Telekom, China Unicom, Jio Platforms

Title: Xn impact of On-demand SIB1 for UEs in idle/inactive mode

Document for: Other

# Introduction

This TP capture the below agreements made in RAN3#127bis:

**In the new Class 1 message (Direction NES gNB to Cell A gNB), RAN3 has agreed that:**

* **One Choice “Start with UL WUS Condiguration”**
* **One Choice “Stop” meaning the Cell A gNB will remove/release/discard the UL WUS Configuration and stop the broadcasting, it also means that next time the NES gNB should use “Start with UL WUS Configuration”.**

**The Xn/F1 TP capturing the above agreements in the tabular are agreed in: R3-25xxxx (Xn) and R3-25xxxx (F1).**

# Text Proposal for BL CR for TS 38.423

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of TP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Editor’s Note: The procedure, message and the IE names are FFS

Editor’s Note: How to address the role of the NG-RAN node1 and NG-RAN node2 to be further discussed.

### 8.x.x UL WUS Configuration Provision (FFS)

#### 8.x.x.1 General

The purpose of the UL WUS Configuration Provision procedure is to enable an NG-RAN node1 to provide UL WUS configuration information to an NG-RAN node2  and to request NG-RAN node2 to transmit the provided UL WUS configuration information in one or more of its cells.

The procedure is also used to enable NG-RAN node1 to request NG-RAN node2 to discontinue transmission of the provided UL WUS configuration information.

The procedure uses non UE-associated signaling.

#### 8.x.x.2 Successful Operation



Figure 8.x.x.2-1: UL WUS Configuration Provision, successful operation

If the “start with UL WUS Configuration” (details on this codepoint/choice of “start with UL WUS Configuration” are FFS) is included in the UL WUS CONFIGURATION PROVISION REQUEST (Naming FFS) message, the Cell A gNB (Naming FFS) shall, if supported, broadcast UL WUS Configuration (Naming FFS) in SIBx (SIB naming FFS) and reply with the UL WUS CONFIGURATION PROVISION RESPONSE (Naming FFS) message. The Cell A gNB (Naming FFS) stores the UL WUS configuration information (Naming FFS).

If the “stop” is included in the UL WUS CONFIGURATION PROVISION REQUEST (Naming FFS) message, the Cell A gNB (Naming FFS) shall, if supported, stop broadcasting UL WUS Configuration (Naming FFS) in SIBx (SIB naming FFS), and it may remove the early received UL WUS Configuration.

“Cell A stores the UL WUS configuration information after it has been requested to be discontinued (FFS)”

“Cell A removes the UL WUS configuration information after it has been requested to be stopped (FFS)”

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Next change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

### 9.x.x.x UL WUS CONFIGURATION PROVISION REQUEST

This message is sent by the NG-RAN node1 to the peer NG-RAN node2 to request provisioning of an UL WUS configuration in one or more cells.

Direction: NG-RAN node1 ® NG-RAN node2.

| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| --- | --- | --- | --- | --- | --- | --- |
| Message Type | M |  | 9.2.3.1 |  | YES | reject |
| CHOICE*Request Type* | M |  |  |  |  |  |
| >*Start* |  |  |  |  |  |  |
| >> UL WUS Configuration | M |  | OCTET STRING | Includes the *xyz* message as defined in subclause a.b.c of TS 38.331. | YES | reject |
| >*Stop* |  |  |  |  |  |  |

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of TP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\***