3GPP TSG-RAN WG3 Meeting #127 R3- 250845

Athens, Greece, February 17th – 21st 2025

Agenda Item: 17.3

Source: Ericsson, Deutsche Telekom, China Unicom, CMCC, Lenovo

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

Document for: Other

# Introduction

This TP implements the agreement from RAN3#127 meeting.

# Conclusion

[Proposal 1 It is agreed that “after Cell A gNB has received and accepted the UL WUS Configuration request from the NES Cell gNB, it broadcasts SIB at the first opportunity.](#_Toc189145132)

[Proposal 2 It is agreed from the signalling point of view, in UL WUS Configuration Req (naming FFS) from NES Cell gNB to Cell A gNB, one code point “start” with UL WUS Configraiton. This code point is used to trigger Cell A to broadcast UL WUS configuration in SIB as in Proposal 1.](#_Toc189145133)

1. Text Proposal for BL CR for TS 38.423

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

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

### 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 NG-RAN node2 “and request NG-RAN node2 to transmit UL WUS configuration information (FFS)”.

“The procedure is also used to enable an NG-RAN node1 to request NG-RAN node2 to discontinue transmission of UL WUS configuration. (FFS)”

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 “*UL WUS Configuration*” IE (Naming FFS) is included in the UL WUS CONFIGURATION PROVISION REQUEST (Naming FFS) message, Cell A gNB should store the received UL WUS configuration (Naming FFS), broadcast UL WUS Configuration (Naming FFS) in SIBx (SIB naming FFS) and include “Accept” in the UL WUS CONFIGURATION PROVISION RESPONSE (Naming FFS) message. If Cell A gNB cannot broadcast UL WUS Configuration in SIBx (Naming FFS), it will include “Reject” in the UL WUS CONFIGURATION PROVISION RESPONSE (Naming FFS) message.

“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)”

#### 8.x.x.3 Unsuccessful Operation



Figure 8.x.x.3-1: UL WUS Configuration Provision, unsuccessful operation

#### 8.x.x.4 Abnormal Conditions

Void.

### 8.x.y UL WUS Configuration Transmission Status Update (FFS)

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

The procedure uses non UE-associated signalling.

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



Figure 8.x.y.2-1: UL WUS Configuration Transmission Status Update, successful operation

#### 8.x.y.3 Unsuccessful Operation

Not applicable.

#### 8.x.y.4 Abnormal Conditions

Void.

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