**3GPP TSG-RAN WG3 #126R3-247857**

**Orlando, U.S.A., 18th- 22nd November, 2024**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **1436** | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *For* [***HELP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | Introduction of Network Energy Saving Enhancement | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson, Huawei | | | | | | | | | |
| ***Source to TSG:*** | R3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | Netw\_Energy\_NR\_enh-Core | | | | |  | ***Date:*** | | | 2024-11-21 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-19 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The specification should support Rel 19 Network Energy Saving Enhancement. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Introduce one new class 1 procedure <Name FFS> for UL WUS Configuration Information providion from NES Cell gNB to Cell A gNB.  Introduce one new class 2 procedure <Name FFS> for Cell A gNB to NES Cell gNB. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | No support for Rel-19 Network Energy Saving Enhancement. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.x,x, 8.x..x.1, 8.x.x.2, 8.x.x.3, 8.x.x.4, 8.x.y, 8.x.y.1, 8.x.y.2, 8.x.y.3, 8.x.y.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS 38.473 CR 1531 | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**Editor 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

Cell A stores the UL WUS configuration information after it has received it.

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 Updates (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 Provision Change, successful operation

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

Not applicable.

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

Void.