**3GPP TSG-RAN WG3 Meeting #128 *R3-25xxxx***

**Malta, MT, 19th - 23th May 2025**

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **38.420** | **CR** | **0049** | **rev** | **1** | **Current version:** | **18.1.0** |  |
|  |
| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)*** *on using this form: comprehensive instructions can be found at <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:***  | (BL CR to 38.420) Introduction of Network Energy Saving Enhancement |
|  |  |
| ***Source to WG:*** | ZTE Corporation, Samsung, Lenovo |
| ***Source to TSG:*** | R3 |
|  |  |
| ***Work item code:*** | Netw\_Energy\_NR\_enh-Core |  | ***Date:*** | 2025-05-09 |
|  |  |  |  |  |
| ***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 canbe 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:*** | Introduce the description of Xn procedures on supporting OD-SIB1 to stage-2 spec. |
|  |  |
| ***Summary of change:*** | Add the description of procedures over Xn on supporting OD-SIB1 |
|  |  |
| ***Consequences if not approved:*** | Rel-19 Network Energy Saving Enhancement is not supported. |
|  |  |
| ***Clauses affected:*** | 5.2.4; 6.2.5 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS 38.473 CR 1531TS 38.423 CR 1436TS 38.470 CR 0161TS 38.300 draft CR |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** | Rev 0: R3-253243Rev 1: Update the title and co-source |

<<<<<<<<<<<<<<<<<<<< Start of Changes >>>>>>>>>>>>>>>>>>>>

### 5.2.4 Energy saving function

This function enables decreasing energy consumption by indication of cell activation/deactivation, SSB beam activation/deactivation over the Xn interface or requesting neighbour NG-RAN node(s) to broadcast the UL WUS configuration information over the Xn interface.

Editor’s Note: the above sentence is to be further reformulated.

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

### 6.2.5 Energy saving procedures

- Cell Activation procedure: enables an NG-RAN node to request the activation of a previously deactivated cell or SSB beam hosted in another NG-RAN node.

- UL WUS Configuration Provision procedure (FFS): enables an NG-RAN node to provide UL WUS configuration information to another NG-RAN node and request the receiving NG-RAN node to start or stop broadcasting the UL WUS configuration information.

- UL WUS Configuration Transmission Status Update procedure (FFS): enables an NG-RAN node to stop broadcasting the received UL WUS configuration information and inform the sending NG-RAN node.

Editor’s Note: the above sentence is to be further reformulated.

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