**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" \l "_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_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 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:*** | | 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 1531  TS 38.423 CR 1436  TS 38.470 CR 0161  TS 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: R3-253243  Rev 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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