**3GPP TSG-RAN WG2 Meeting #125 *R2-240xxxx***

**Athens, Greece, Feb. 26th – Mar. 1st, 2024**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **38306** | **CR** | **draft** | **rev** | **-** | **Current version:** | **18.0.0** |  |
|  |
| *For* [***HE******LP***](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 | **X** | Radio Access Network | **X** | Core Network |  |

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|  |
| ***Title:***  |   |
|  |  |
| ***Source to WG:*** | vivo, CATT |
| ***Source to TSG:*** | RAN2 |
|  |  |
| ***Work item code:*** | Netw\_Energy\_NR-Core |  | ***Date:*** | 2024-03-04 |
|  |  |  |  |  |
| ***Category:*** | F |  | ***Release:*** | Rel-18 |
|  | *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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
|  |  |
| ***Reason for change:*** | Capture the following RAN2#125 agreement on the NES UE capabilities:=> Add the limitation that a UE supporting cell DTX shall also indicate support of longDRX-Cycle in the field description of nes-CellDTX-DRX to capture the agreement. |
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| ***Summary of change:*** | 1. Add the limitation that a UE supporting cell DTX shall also indicate support of *longDRX-Cycle* in the field description of *nes-CellDTX-DRX-r18* |
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| ***Consequences if not approved:*** | The requirement that Cell DTX is configured only when C-DRX is configured is not correspondingly revealed in the UE capabilities description. |
|  |  |
| ***Clauses affected:*** | 4.2.7.2 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... 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:*** |  |

**START OF THE CHANGE**

## 4.2 UE Capability Parameters

### 4.2.7 Physical layer parameters

#### 4.2.7.2 *BandNR parameters*

< unchanged part is omitted>

| Definitions for parameters | Per | M | FDD-TDDDIFF | FR1-FR2DIFF |
| --- | --- | --- | --- | --- |
| ***nes-CellDTX-DRX-r18***Indicates whether the UE supports cell DTX and/or DRX operation by RRC configuration. The supported number of cell DTX/DRX patterns per cell group is 2, regardless of each pattern is for cell DTX only, cell DRX only, or both. A UE setting this field to the value *cellDTXonly* or *both* shall also indicate support of *longDRX-Cycle*. | Band | No | N/A | N/A |

< unchanged part is omitted>

**END OF THE CHANGE**