**3GPP TSG-RAN4 Meeting #116 *R4-2510031***

**Bengaluru, India, August 25th – 29th, 2025**

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **38.133** | **CR** | **Draft** | **rev** | **-** | **Current version:** | **19.1.0** |  |
|  |
| *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 | **X** | Radio Access Network |  | Core Network |  |

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| ***Title:***  | (NR\_LPWUS-Core) draftCR on Introduce inter-frequency and inter-RAT cell re-selection requirements for UE with LP-WUR in RRC\_Inactive |
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| ***Source to WG:*** | CMCC |
| ***Source to TSG:*** | R4 |
|  |  |
| ***Work item code:*** | NR\_LPWUS-Core |  | ***Date:*** | 2025-08-01 |
|  |  |  |  |  |
| ***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)* |
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| ***Reason for change:*** | For UE with LP-WUR, the relaxed cell re-selection requirements and higher priority frequency layer measurements requirement which are performed by MR has agreed to be introduced. |
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| ***Summary of change:*** | Introduce the relaxed inter-frequency and inter-RAT cell re-selection requirements and higher priority frequency layer measurements requirement for UE with LP-WUR in RRC\_Inactive. |
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| ***Consequences if not approved:*** | The spec for LP-WUS will not be completed |
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| ***Clauses affected:*** | 5.X.2.5, 5.X.2.6 |
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|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** | **X** |  |  Test specifications | TS 38.533 |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

**<Start of change>**

#### 5.X.2.5 Measurements of inter-frequency NR cells for UE with LP-WUR

The requirements in this clause apply when UE is configured with eDRX\_IDLE, otherwise the requirements in clause 4.X.2.5 shall apply.

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If UE is not configured to perform PRS measurement, or if UE is configured to perform PRS measurement and supports *parallelPRS-MeasRRC-Inactive-r17*, Kcarrier in clause 4.X.2.5 shall apply regardless of whether the serving cell is subject to CCA or not.

If UE is configured to perform PRS measurement but does not support *parallelPRS-MeasRRC-Inactive-r17*, Kcarrier is replaced with Kcarrier + 1, regardless of whether the serving cell is subject to CCA or not.

#### 5.X.2.6 Measurements of inter-RAT E-UTRAN cells for UE with LP-WUR

The requirements in this clause apply when UE is configured with eDRX\_IDLE, otherwise the requirements in clause 4.X.2.6 shall apply.

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**<End of change>**