**3GPP TSG-RAN4 Meeting #97-e *R4-2017132***

**Electronic Meeting, 2 – 13 November 2020**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.133** | **CR** | **1360** | **rev** | **1** | **Current version:** | **16.5.0** |  |
|  | | | | | | | | |
| *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 |  | Core Network |  |

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| ***Title:*** | Corrections to UE power saving requirements | | | | | | | | | |
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| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_UE\_pow\_sav-Core | | | | |  | ***Date:*** | | | 2020-11-09 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | During the transition period when switching between power saving scenarios the UE is required to apply a certain requirements, which are defined in different sections. But there is no clear reference to these requirements. | | | | | | | | |
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| ***Summary of change:*** | | Requirements which UE meets during the transition period when switching between different power saving scenarios are clarified by giving reference to relevant sections in TS 38.133.  The change does not change any requirement rather makes important clarification. | | | | | | | | |
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| ***Consequences if not approved:*** | | It will not be clear which requirements apply during the transition period leading to ambiguity and misinterpretation. | | | | | | | | |
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| ***Clauses affected:*** | | 4.2.2.8 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

----------------------------------------------------- Beginning of Change ------------------------------------------------------------

#### 4.2.2.8 Minimum requirement at transitions

When switching from low mobility scenario or not-at-cell-edge scenario to low mobility and not-at-cell-edge scenario during cell-reselection period, the UE shall fulfill the requirements corresponding to low mobility scenario or not-at-cell-edge scenario over measurement period (Trelaxed) and thereafter switch to requirements corresponding to low mobility and not-at-cell-edge scenario. The measurement period, Trelaxed, is any of:

* Tmeasure,NR\_Intra and Tevaluate,NR\_Intra, defined in section 4.2.2.9 for intra-frequency measurements on NR cells,
* Tmeasure,NR\_Inter andTevaluate,NR\_Inter defined in section 4.2.2.10 for inter-frequency measurements on NR cells and
* Tmeasure,EUTRAN and Tevaluate,EUTRAN defined in sections 4.2.2.11 for inter-RAT E-UTRAN measurements.

When switching from low mobility and not-at-cell-edge scenario to low mobility scenario or not-at-cell-edge scenario during cell-reselection period, the UE shall fulfill the requirements corresponding to low mobility scenario or not-at-cell-edge scenario upon fulfilling the switching criteria.

When switching from normal mode to low mobility scenario or not-at-cell-edge scenario or low mobility and not-at-cell-edge scenario during cell-reselection period, the UE shall fulfill the requirements corresponding to normal mode over measurement period (Tnormal) and thereafter switch to requirements corresponding to low mobility scenario or not-at-cell-edge scenario or low mobility and not-at-cell-edge scenario. The measurement period, Tnormal, is any of:

* Tmeasure,NR\_Intra and Tevaluate,NR\_Intra, defined in section 4.2.2.3 for intra-frequency measurements on NR cells,
* Tmeasure,NR\_Inter andTevaluate,NR\_Inter defined in section 4.2.2.4 for inter-frequency measurements on NR cells and
* Tmeasure,EUTRAN and Tevaluate,EUTRAN defined in sections 4.2.2.5 for inter-RAT E-UTRAN measurements.

When switching from low mobility scenario or not-at-cell-edge scenario or low mobility and not-at-cell-edge scenario to normal mode during cell-reselection period, the UE shall fulfill the requirements corresponding to normal mode upon fulfilling the switching criteria.

No requirement is defined for multiple transitions of scenarios within one measurement period.

------------------------------------------------------------- End of change ------------------------------------------------------------