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| **3GPP TSG RAN WG1 Meeting #102-e R1-200xxxx****e-Meeting, 17th – 28th August, 2020**

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| --- |
| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **38.214** | **CR** | **DRAFT** | **rev** | **-** | **Current version:** | **16.2.0** |  |
|  |
| *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:***  | Draft CR (Rel-16, F) on RRM measurements when drx-onDurationTimer does not start |
|  |  |
| ***Source to WG:*** | CATT, Huawei, HiSilicon |
| ***Source to TSG:*** |  RAN WG1 |
|  |  |
| ***Work item code:*** | **NR\_UE\_pow\_sav\_CORE** |  | ***Date:*** | 2020-08-26 |
|  |  |  |  |  |
| ***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 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-12 (Release 12)Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
|  |  |
| ***Reason for change:*** | RRM measurement for mobility is performed during active time indicated by *drx-onDurationTimer*. The start or not of the *drx-onDurationTimer* is based on the wakeup indication of DCI format 2\_6. The *drx-onDurationTimer* does not start if UE is indicated not to wake up and stay outside active time. The UE should perform RRM measurement for mobility at the scheduled interval regardless *drx-onDurationTimer* starts or not. Therefore, the current description of “*during the active time and during the timer duration indicated by drx-onDurationTimer*” may cause misunderstanding that “*and during the time duration indicated by drx-onDurationTimer”* is during active time. Thus, the description is clarified that the time duration indicated by *drx-onDurationTime* is outside active time. |
| ***-*** |  |
| ***Summary of change:*** | Adding “also outside Active Time” after *during the timer duration indicated by drx-onDurationTimer* |
|  |  |
| ***Consequences if not approved:*** | This CR is to ensure that UE performs RRM measurement “*during the timer duration indicated by drx-onDurationTimer”* outside a*ctive time* when *drx-onDuratinTimer* does not start |
|  |  |
| ***Clauses affected:*** | 5.1.6.1.3 |
|  |  |
|  | **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:*** | Isolated impact analysis:Current specification on UE RRM measurements for mobility is not clear with description “the UE may not expect that the CSI-RS resources are available other than during the active time and during the time duration indicated by *drx-onDurationTimer.* The CR is to clarify the description “during the time duration indicated by *drx-onDurationTimer”* is for outside active time when *drx-onDurationTimer* does not start. |
|  |  |
| ***This CR's revision history:*** | This is the first version for this CR. |

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5.1.6.1.3 CSI-RS for mobility

< Unchanged text is omitted >

If the UE is configured with DRX, the UE is not required to perform measurement of CSI-RS resources other than during the active time for measurements based on *CSI-RS-Resource-Mobility*. When the UE is configured to monitor DCI format 2\_6, the UE is not required to perform measurements other than during the active time and during the timer duration indicated by *drx-onDurationTimer* also outside active time based on *CSI-RS-Resource-Mobility*.

If the UE is configured with DRX and DRX cycle in use is larger than 80 ms, the UE may not expect CSI-RS resources are available other than during the active time for measurements based on *CSI-RS-Resource-Mobility*. If the UE is configured with DRX and configured to monitor DCI format 2\_6 and DRX cycle in use is larger than 80ms, the UE may not expect that the CSI-RS resources are available other than during the active time and during the time duration indicated by *drx-onDurationTimer* also outside active time for measurements based on *CSI-RS-Resource-Mobility.* Otherwise, the UE may assume CSI-RS are available for measurements based on *CSI-RS-Resource-Mobility*.

< Unchanged text is omitted >