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| **3GPP TSG RAN WG1 Meeting #102-e R1-200xxxx**  **e-Meeting, 17th – 28th August, 2020**   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | *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)*.* | | | | | | | | | |  | | | | | | | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | | | | | | | | | | | | ***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 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-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. | | | | | | | | | |

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 >