**3GPP TSG-RAN WG2 Meeting #112 electronic *draft*R2-2010814**

**Online, November 2nd – 13th 2020**

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| *CR-Form-v11.4* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.306** | **CR** | **1793** | **rev** | **1** | **Current version:** | **15.9.0** |  |
|  | | | | | | | | |
| *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:*** | Addition of cross-TTI MIB/SIB-BR decoding capability | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LTE\_eMTC4-Core | | | | |  | ***Date:*** | | | 2020-11-10 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | During Rel-15, RAN2 discussed the ability of the UE to accumulate SIB1-BR across SIB1-BR modification periods and to accumulate SI messages across SI windows and modification periods, and concluded that this is already possible since Rel-13 and is left to UE implementation, this was informed to RAN1 and RAN4 in the LS in R2-1714015.  RAN4 introduced new cell identification requirements in Rel-15 for a UE supporting cross-TTI MIB/SIB1-BR decoding and indicated this as feature 3-2 in the RAN4 feature list in RP-182164 which was endorsed at RAN#81. However, this was never captured in 36.306. | | | | | | | | |
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| ***Summary of change:*** | | Add new optional feature without UE capability signalling in section 6.8  **Impact analysis**  Impacted functionality:  eMTC Idle mode  Inter-operability:  No interoperability issues, since there is no need to indicate capability. | | | | | | | | |
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| ***Consequences if not approved:*** | | RAN4 defined optional feature is missing from the specification. | | | | | | | | |
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| ***Clauses affected:*** | | 6.8.a (new) | | | | | | | | |
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|  | | **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:*** | |  | | | | | | | | |

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| FIRST CHANGE |

### 6.8.9 Measurement gaps for higher UE velocity

It is optional for UE to support measurement gaps for higher UE velocity, as defined in TS 36.331 [5] and TS 36.133[16]. This feature is only applicable if the UE supports *ce-ModeA-r13*.

### 6.8.a Reduced MIB/SIB1-BR acquisition time

It is optional for UE to support Reduced MIB/SIB1-BR acquisition time requirements as specified in TS 36.133 [6]. This feature is only applicable if the UE supports *ce-ModeB-r13.*

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| END |