**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 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:*** | 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 (R4-1813672) 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 modeInter-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 ...  |
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| ***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 [16]. This feature is only applicable if the UE supports *ce-ModeB-r13.*

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| END |