**3GPP TSG-RAN WG2 Meeting #109-eR2-2001867**

**Online, 24th February – 6th March 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.306** | **CR** | **1734** | **rev** | **1** | **Current version:** | **15.7.0** |  |
|  | | | | | | | | |
| *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:*** | Correction to support of UP-EDT, CP-EDT, in eMTC TDD | | | | | | | | | |
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| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LTE\_eMTC4-Core | | | | |  | ***Date:*** | | | 2019-02-14 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-15 |
|  | *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)* | |
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| ***Reason for change:*** | | UP-EDT and CP-EDT capabilities are applicable only to FDD mode in NB-IoT, but are applicable to both FDD and TDD in eMTC. However, the current wording limits eMTC to FDD only. | | | | | | | | |
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| ***Summary of change:*** | | Update the shared capabilities so that the FDD restriction applies only to NB-IoT.  **Impact analysis**  Impacted functionality:  Support of UP-EDT, CP-EDT, in LTE TDD.  Inter-operability:  If the network is implemented according to the CR and the UE is not then the UE may consider EDT for TDD as an invalid configuration, if configured  If the UE is implemented according to the CR and the NW is not then the UE may never be configured with EDT for TDD. | | | | | | | | |
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| ***Consequences if not approved:*** | | Some of the capabilities are unnecessarily restricted to FDD only for eMTC and therefore are not supported for TDD. | | | | | | | | |
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| ***Clauses affected:*** | | 4.3.8.7, 6.8.4 | | | | | | | | |
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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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| ***This CR's revision history:*** | |  | | | | | | | | |

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| FIRST CHANGE |

#### 4.3.8.7 *earlyData-UP-r15*

This field defines whether the UE supports EDT for User Plane CIoT EPS optimizations, as defined in TS 24.301 [28]. This feature is only applicable if the UE supports *ce-ModeA-r13* or if the UE supports any *ue-Category-NB*. For NB-IoT, this field is only applicable for FDD.

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| NEXT CHANGE |

### 6.8.4 EDT for Control Plane CIoT EPS Optimization

It is optional for UE to support EDT for Control Plane CIoT EPS optimizations, as defined in TS 24.301 [28]. This feature is only applicable if the UE supports *ce-ModeA-r13,* or if the UE supports any *ue-Category-NB*. For NB-IoT, this field is only applicable for FDD.