**3GPP TSG RAN WG1 #100bis R1-200xxxx**

**e-Meeting, April 20th – 30th, 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.213** | **CR** | **1316** | **rev** | **1** | **Current version:** | **14.14.0** |  |
|  | | | | | | | | |
| *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:*** | Clarification on set of values for HARQ delay | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Qualcomm Incorporated | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LTE\_feMTC-Core | | | | |  | ***Date:*** | | | 2020-04-09 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-14 |
|  | *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:*** | | In CR R1-1809653, the following is listed in “summary of change”:  *Clarify that the UE shall use ‘range2’ when ce-SchedulingEnhancement is not configured.*  The implementation of that CR, however, is ambiguous, since the condition in the header of Table 7.3.1-2 is true for both columns in the following case: the UE is configured with ‘*range1’* and *’ce-HARQ-AckBundling’*. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Clarify that, as per previous RAN1 agreements, the UE shall use the range {4-11} when HARQ-ACK bundling is configured. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Specification is ambiguous | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.3.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

### 7.3.1 FDD HARQ-ACK reporting procedure

**<Unchanged parts are omitted>**

Table 7.3.1-2: HARQ-ACK delay for BL/CE UE in CEModeA

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| --- | --- | --- |
| 'HARQ-ACK delay' field in DCI | HARQ-ACK delay value when *'ce-SchedulingEnhancement'* set to *'range1'* and *’ce-HARQ-AckBundling’* is not set | HARQ-ACK delay value when *'ce-SchedulingEnhancement'* set to *'range2'* or *’ce-HARQ-AckBundling’* is set |
| 000 | 4 | 4 |
| 001 | 5 | 5 |
| 010 | 7 | 6 |
| 011 | 9 | 7 |
| 100 | 11 | 8 |
| 101 | 13 | 9 |
| 110 | 15 | 10 |
| 111 | 17 | 11 |

**<Unchanged parts are omitted>**