**3GPP TSG-RAN WG1 Meeting #117 *R1-240xxxx***

**Fukuoka City, Fukuoka, Japan, May 20th – 24th, 2024**

|  |
| --- |
| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **38.213** | **CR** | **Xxxx** | **rev** | **-** | **Current version:** | **18.2.0** |  |
|  |
| *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:***  | Correction on the unit of BWPswitchDelay |
|  |  |
| ***Source to WG:*** | Moderator(Fujitsu), Langbo, ZTE |
| ***Source to TSG:*** | R1 |
|  |  |
| ***Work item code:*** | NR\_Mob\_enh2 |  | ***Date:*** | 2024-05-21 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-18 |
|  | *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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 18)Rel-20 (Release 20)* |
|  |  |
| ***Reason for change:*** |  is defined in terms of number of slots in TS 38.133. The editorial change made at previous updates directly adds into the processing delay between PDCCH order and PRACH transmission, which is expressed in millisecond. It is confusing if is not clarified given that a separate parameter instead of symbols has been used for the same computation. Similarly to the introduction of , should be also converted to a time duration expressed in millisecond for the computation. |
|  |  |
| ***Summary of change:*** | Use instead of to compute the processing delay between PDCCH order and PRACH transmission and clarify is defined as a time duration of in Section 8.1 in TS 38.213. |
|  |  |
| ***Consequences if not approved:*** | Incorrect calculation of the processing delay between PDCCH order and corresponding PRACH transmission. |
|  |  |
| ***Clauses affected:*** | 8.1  |
|  |  |
|  | **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:*** | **Isolated Impact Analysis:**This CR has no isolated impact on network and UE behavior. |
|  |  |
| ***This CR's revision history:*** | This is the first version of this CR. |

8.1 Random access preamble

< Unchanged parts are omitted >

If a random access procedure is initiated by a PDCCH order, the UE, if requested by higher layers, transmits a PRACH in the selected PRACH occasion, as described in [11, TS 38.321], for which a time between the last symbol of the PDCCH order reception and the first symbol of the PRACH transmission is larger than or equal to msec, where

- is a time duration of symbols corresponding to a PUSCH preparation time for UE processing capability 1 [6, TS 38.214] assuming corresponds to the smallest SCS configuration between the SCS configuration of the PDCCH order and the SCS configuration of the corresponding PRACH transmission

- if the active UL BWP does not change, or if a cell indicator field in the PDCCH order indicates a non-serving cell [5, TS 38.212], and is a time duration of defined in [10, TS 38.133] otherwise

- msec for FR1 and msec for FR2

- is a switching gap duration as defined in [6, TS 38.214]

- if a cell indicator field in the PDCCH order indicates a serving cell or if cell indicator field is not present, and is defined in [10, TS 38.133] otherwise

- if a cell indicator field in the PDCCH order indicates a serving cell or if cell indicator field is not present, and is defined in [10, TS 38.133] otherwise

For a PRACH transmission using 1.25 kHz or 5 kHz SCS, the UE determines assuming SCS configuration .

< Unchanged parts are omitted >