**3GPP TSG RAN WG1 Meeting #104-e *R1-210xxxx***

**25 January – 5 February, 2021**

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| *CR-Form-v12.1* |
| **[DRAFT] CHANGE REQUEST** |
|  |
|  | **36.212** | **CR** | **xxxx** | **rev** | **-** | **Current version:** | **V16.4.0** |  |
|  |
| *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:***  | PUR correction on DCI size alignment |
|  |  |
| ***Source to WG:*** | Moderator (Huawei), Huawei, Hisilicon |
| ***Source to TSG:*** | R1 |
|  |  |
| ***Work item code:*** | NB\_IOTenh3-Core |  | ***Date:*** | 2021-02-05 |
|  |  |  |  |  |
| ***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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | For NB-IoT, the DCI size of format N0 scrambled by C-RNTI and the DCI size of format N0 scrambled by PUR-RNTI may be different. If the DCI size of format N0 scrambled by C-RNTI and the DCI size of format N0 scrambled by PUR-RNTI are different, when format N1 needs padding, it is not clear that the target DCI size of format N0 is based on format N0 scrambled by C-RNTI or format N0 scrambled by PUR-RNTI. |
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| ***Summary of change:*** | Add “mapped onto the same search space” when format N1 needs padding. |
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| ***Consequences if not approved:*** | When format N1 needs padding, UE cannot know the target DCI size of format N0 is based on format N0 scrambled by C-RNTI or format N0 scrambled by PUR-RNTI. |
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| ***Clauses affected:*** | 6.4.3.2 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  |  |
| ***affected:*** |  | **X** |  Test specifications |  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications |  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

< Unchanged parts are omitted >

#### 6.4.3.2 DCI Format N1

< Unchanged parts are omitted >

If the number of information bits in format N1 mapped onto the same search space is less than that of format N0 and the format N1 CRC is not scrambled by G-RNTI, zeros shall be appended to format N1 until the payload size equals that of format N0.

< Unchanged parts are omitted >