**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** | | | | | | | | |
|  | | | | | | | | |
|  | **36.213** | **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:*** | Correction on transmission scheme for NPDSCH configured by PUR-RNTI | | | | | | | | | |
|  |  | | | | | | | | | |
| ***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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The transmission scheme for NPDSCH configured by PUR-RNTI is not specified. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Specify the same transmission scheme rules as for other usages of NPDSCH. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | UE cannot know the transmission scheme for NPDSCH configured by PUR-RNTI. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 16.4.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 >

### 16.4.1 UE procedure for receiving the narrowband physical downlink shared channel

< Unchanged parts are omitted >

If a UE is configured by higher layers to decode NPDCCH with CRC scrambled by the PUR-RNTI, the UE shall decode the NPDCCH and the corresponding NPDSCH according to any of the combination defined in Table 16.4.1-9. The scrambling initialization of the NPDSCH corresponding to these NPDCCHs is by PUR-RNTI.

Table 16.4.1-9: NPDCCH and NPDSCH configured by PUR-RNTI

|  |  |  |
| --- | --- | --- |
| DCI format | Search Space | Transmission scheme of NPDSCH corresponding to NPDCCH |
| DCI format N1 | UE specific by PUR-RNTI | If the number of NPBCH antenna ports is one, Single-antenna port, port 2000 is used (see Clause 16.4.1.1), otherwise Transmit diversity (see Clause 16.4.1.2). |

< Unchanged parts are omitted >