**3GPP TSG-RAN WG1 Meeting #118 *R1-240xxxx***

 **Maastricht, Netherlands, August 19 – 23, 2024**

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| *CR-Form-v12.2* |
| **DRAFT CHANGE REQUEST** |
|  |
|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  |
| *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 |  | Radio Access Network |  | Core Network |  |

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| ***Title:***  | Rel-18 Editorial Corrections for TS 38.202 |
|  |  |
| ***Source to WG:*** | Qualcomm |
| ***Source to TSG:*** |  R1 |
|  |  |
| ***Work item code:*** | NR\_MBS\_enh-Core |  | ***Date:*** | 2024-08-26 |
|  |  |  |  |  |
| ***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 19)* |
|  |  |
| ***Reason for change:*** | * UE is configured with ‘Multicast MCCH-RNTI’ for multicast reception in RRC\_INACTIVE state according to TS 38.321. However, ‘multicast-MCCH-RNTI’ is used in TS 38.202, which is not aligned with TS 38.321.
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| ***Summary of change:*** | * Replace the existing ‘multicast-MCCH-RNTI’ with ‘Multicast MCCH-RNTI’.
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| ***Consequences if not approved:*** | * Not aligned with TS 38.321 in terms of the RNTI configured for multicast reception.
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| ***Clauses affected:*** | 6.2 |
|  |  |
|  | **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:*** |  |

6.2 Downlink

The tables 6.2-1, 6.2-2 describe the possible combinations of physical channels that can be received simultaneously in the downlink by one UE. Table 6.2-1 introduces notation for a "Reception Type" which represents a physical channel and any associated transport channel. Table 6.2-2 describes the combinations of these "Reception Types" which are supported by the UE depending on capabilities [8, TS 38.306], and enumerates how many of each can be received simultaneously. The UE shall be able to receive all TBs according to the indication on PDCCH. Any subset of the combinations specified in table 6.2-2 is also supported.

**Table 6.2-1: Downlink "Reception Types"**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **"Reception Type"** | **Physical Channel(s)** | **MonitoredRNTI** | **AssociatedTransport Channel** | **Comment** |
| A | PBCH | N/A | BCH |  |
| B | PDCCH+PDSCH | SI-RNTI | DL-SCH | Note 1 |
| C0 | PDCCH | P-RNTI | N/A | Note 1, Note 2 |
| C1 | PDCCH+PDSCH | P-RNTI | PCH | Note 1 |
| D0 | PDCCH+PDSCH | RA-RNTI or Temporary C-RNTI or MsgB-RNTI | DL-SCH | Note 3 |
| D1 | PDCCH+PDSCH | C-RNTI, CS-RNTI, MCS-C-RNTI | DL-SCH |  |
| D2 | PDCCH | C-RNTI, CS-RNTI, MCS-C-RNTI | DL-SCH |  |
| D3 | PDCCH+PDSCH | G-RNTI, G-CS-RNTI | DL-SCH | Note 6 |
| D4 | PDCCH | G-CS-RNTI | N/A | Note 7 |
| D5 | PDCCH+PDSCH | MCCH-RNTI | DL-SCH | Note 8 |
| D6 | PDCCH+PDSCH | G-RNTI | DL-SCH | Note 9 |
| D7 | PDCCH+PDSCH | C-RNTI | DL-SCH | Note 10 |
| D8 | PDCCH+PDSCH | Multicast MCCH-RNTI | DL-SCH | Note 11 |
| E | PDCCH | C-RNTI | N/A | Note 4 |
| F0 | PDCCH | Temporary C-RNTI | UL-SCH | Note 3 |
| F1 | PDCCH | C-RNTI, CS-RNTI, MCS-C-RNTI | UL-SCH |  |
| F2 | PDCCH | C-RNTI, CS-RNTI | UL-SCH | Note 10 |
| G | PDCCH | SFI-RNTI  | N/A |  |
| H | PDCCH | INT-RNTI  | N/A |  |
| J0 | PDCCH | TPC-PUSCH-RNTI | N/A |  |
| J1 | PDCCH | TPC-PUCCH-RNTI | N/A |  |
| J2 | PDCCH | TPC-SRS-RNTI | N/A |  |
| K | PDCCH | SP-CSI-RNTI | N/A |  |
| L0 | PDCCH | SL-RNTI | SL-SCH |  |
| L1 | PDCCH | SL-CS-RNTI | SL-SCH |  |
| M | PDCCH | SL Semi-Persistent Scheduling V-RNTI | SL-SCH | Note 5 |
| N | PDCCH | PS-RNTI | N/A |  |
| O | PDCCH | AI-RNTI | N/A |  |
| P | PDCCH | CI-RNTI | N/A |  |
| Q | PDCCH | PEI-RNTI | N/A | Note 1 |
| Note 1: These are received from PCell only.Note 2: In some cases UE is only required to monitor the short message within the DCI for P-RNTI.Note 3: These are received from PCell or PSCell.Note 4: This corresponds to PDCCH-ordered PRACH. Note 5: This corresponds to PDCCH scheduling LTE PC5.Note 6: This is for multicast in RRC connected state.Note 7: This corresponds to DL Semi-Persistent Scheduling release for multicast in RRC connected state.Note 8: This is for broadcast MCCH. Note 9: This is for broadcast MTCH. UE is not required to decode more than one PDSCH for MTCH simultaneously.Note 10: This is for small data transmission in RRC inactive state.Note 11: This is for multicast MCCH in RRC inactive state. |