**3GPP TSG-RAN WG1 Meeting #110bis-e *R1-221xxxx***

**e-Meeting, October 10-19, 2022**

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| *CR-Form-v12.2* |
| **[DRAFT] CHANGE REQUEST** |
|  |
|  | **38.212** | **CR** | **xxxx** | **rev** | **-** | **Current version:** | **17.3.0** |  |
|  |
| *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:***  | Draft CR on RRC parameters alignment for HARQ-ACK CB for multicast |
|  |  |
| ***Source to WG:*** | Moderator (Huawei), CMCC |
| ***Source to TSG:*** | R1 |
|  |  |
| ***Work item code:*** | NR\_MBS-Core |  | ***Date:*** | 2022-10-12 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-17 |
|  | *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)* |
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| ***Reason for change:*** | To align the RRC parameters w.r.t. HARQ-ACK codebook for multicast in TS38.213 and TS38.331.  |
|  |  |
| ***Summary of change:*** | Change “*pdsch-HARQ-ACK-Codebook-Multicast” to “pdsch-HARQ-ACK-Codebook”.* |
|  |  |
| ***Consequences if not approved:*** | RRC parameters w.r.t. HARQ-ACK codebook for multicast are not aligned in TS38.213 and TS38.331.  |
|  |  |
| ***Clauses affected:*** | 7.3.1.5.3 |
|  |  |
|  | **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:*** |  |

##### 7.3.1.5.3 Format 4\_2

DCI format 4\_2 is used for the scheduling of PDSCH in DL cell.

The following information is transmitted by means of the DCI format 4\_2 with CRC scrambled by G-RNTI configured by *G-RNTI-Config* or G-CS-RNTI:

- Frequency domain resource assignment – number of bits determined by the following, where $N\_{RB}^{DL,CFR}$ is the size of the common frequency resource as configured by higher layer parameter *locationAndBandwidth-Multicast*:

< Unchanged parts are omitted >

- Downlink assignment index – number of bits as defined in the following

- 2 bits if the higher layer parameter *pdsch-HARQ-ACK-Codebook =dynamic* for multicast, where the 2 bits are the counter DAI;

- 0 bits otherwise.

< Unchanged parts are omitted >