**3GPP TSG RAN WG1 #112bis R1-23xxxxx**

**e-Meeting, April 17th – April 26th, 2023**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.213** | **CR** | **DRAFT** | **rev** |  | **Current version:** | **17.5.0** |  |
|  | | | | | | | | |
| *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 for MBS without mTRP | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Moderator (CMCC), Qualcomm Incorporated | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | | 2023-04-17 |
|  |  | | | |  | |  | | |  |
| ***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 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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The current spec is not clear whether to apply mTPR configuration to MBS PDCCH/PDSCH transmission. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The UE does not expect to be configured with *CORESETPoolIndex* in a CORESET or *SearchSpaceLinkingId* in a search space for DCI format 4\_0, 4\_1 and 4\_2. The UE does not expect to be indicated with a TCI codepoint in a DCI format 4\_2 that maps to two TCI states. | | | | | | | | |
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| ***Consequences if not approved:*** | | The UE cannot support the mTRP configuration if mTRP is configured for MBS PDCCH/PDSCH transmission. | | | | | | | | |
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| ***Clauses affected:*** | | 18 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

# 18 Multicast Broadcast Services

\*\*\* Unchanged text is omitted \*\*\*

A UE can be configured by *cfr-ConfigMCCH-MTCH* an MBS frequency resource for PDCCH and PDSCH receptions providing MCCH and broadcast MTCH [12, TS 38.331]; otherwise, the MBS frequency resource is same as for the CORESET with index 0 that is associated with the Type0-PDCCH CSS set for PDCCH and PDSCH receptions providing MCCH and broadcast MTCH. A UE monitors PDCCH for scheduling PDSCH receptions for MCCH or broadcast MTCH as described in clause 10.1.

In clauses referring to a higher layer parameter value provided by *PDCCH-ConfigCommon* or *PDSCH-ConfigCommon*, when applicable a corresponding higher layer parameter value for MCCH/broadcast MTCH PDCCH receptions or PDSCH receptions, respectively, is provided as described in [12, TS 38.331].

A UE can be configured, per DL BWP by *cfr-ConfigMulticast*, an MBS frequency resource within the DL BWP for PDCCH and PDSCH receptions [4, TS 38.211]. If *cfr-ConfigMulticast* does not include *locationAndBandwidthMulticast*, the MBS frequency resource is the DL BWP. In clauses referring to a higher layer parameter value provided by *PDCCH-Config* or *PDSCH-Config* or *SPS-Config* for a DL BWP, when applicable a corresponding higher layer parameter value for multicast PDCCH, PDSCH, or SPS PDSCH receptions is provided as described in [12, TS 38.331].

The UE does not expect to be configured with *CORESETPoolIndex* in a CORESET or *SearchSpaceLinkingId* in a search space for DCI format 4\_0, 4\_1 and 4\_2. The UE does not expect to be indicated with a TCI codepoint in a DCI format 4\_2 that maps to two TCI states.

\*\*\* Unchanged text is omitted \*\*\*