**3GPP TSG-RAN2 Meeting #117 electronic R2-2204006**

**Online, Feb21st - Mar 3rd, 2022**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.306** | **CR** | **0690** | **rev** | **1** | **Current version:** | **16.7.0** |  |
|  | | | | | | | | |
| *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:** | CR on the CBM/IBM reporting-38306 | | | | | | | | | |
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| ***Source to WG:*** | ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | RAN2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | [NR\_RF\_FR2\_req\_enh2-Core](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=890159) | | | | |  | ***Date:*** | | | 2022-2-28 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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)*  *Rel-17 (Release 17)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | 1. Ran4 sent an LS R4-2119966(R2-2200118) to introduce both IBM and CBM reporting 2. As per the summary in R2-2201928 in RAN2#116bis-e, R2 has agreed to introduce CBM-only capability from Rel-17 (allowing early implementation from Rel-16) and dummify CBM enumeration from Rel-16 capability; 3. As agreed in RAN2#117-e: for IBM/CBM capability no need to distinguish DL from UL. | | | | | | | | |
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| ***Summary of change:*** | | Add *beamManagementType-CBM-r17* and the corresponding field description.  **Impact analysis**  Impacted 5G architecture options:  (NG)EN-DC, NE-DC, NR-DC, NR-CA  Impacted functionality:  IBM/CBM reporting  Inter-operability:  If UE implements according to the CR but the network does not, the network may be unable to configure CBM.  If the network implements according to the CR but the UE does not, there is no inter-operability issue as the UE cannot indicate support for CBM. | | | | | | | | |
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| ***Consequences if not approved:*** | | The network maybe unable to configure CBM. | | | | | | | | |
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| ***Clauses affected:*** | | 4.2.7.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 38331 CR 2916 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | R2-2202913 | | | | | | | | |

Start of change

**4.2.7.4 *CA-ParametersNR***

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| --- | --- | --- | --- | --- |
| **Definitions for parameters** | **Per** | **M** | **FDD-TDD**  **DIFF** | **FR1-FR2**  **DIFF** |
| ***beamManagementType-r16, beamManagementType-CBM-r17***  Indicates the supported beam management type for inter-band CA within FR2. Beam management type can be independent beam management (IBM) or common beam management (CBM).The UE can support independent beam management (IBM) only or common beam management (CBM) only or both. | BC | Yes | TDD only | FR2 only |
| ***blindDetectFactor-r16***  Defines the value of factor R for blind detection as specified in Clause 10.1 [11].  The UE that indicates support of this feature shall support *multiDCI-MultiTRP-r16.* | BC | No | N/A | N/A |

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*omit the unchanged part\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

End of change