**3GPP TSG-RAN WG4 Meeting #103-e *R4-2209265***

**Electronic Meeting, 9 - 20 May, 2022**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **38.101-1** | **CR** | **1090** | **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 |  | Core Network |  |

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|  |
| ***Title:***  | Big CR on Introduction of completed 5 bands inter-band CA into TS 38.101-1 |
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| ***Source to WG:*** | Huawei, HiSilicon |
| ***Source to TSG:*** | R4 |
|  |  |
| ***Work item code:*** | NR\_CADC\_R17\_5BDL\_xBUL -Core |  | ***Date:*** | 2022-05-20 |
|  |  |  |  |  |
| ***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 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:*** | Based on the TR 38.862, it’s agreed to simplify the configuration table. Thus, the configuration table format is simplified in Table 5.5A.3.4-1.Correcting 5DL configuration table |
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| ***Summary of change:*** | the configuration table format is simplified in Table 5.5A.3.4-1.Removing redundant CA\_n2A-n5A-n48B-n66A-n77A BCS1 since n48 wrongly referred to n48A and the other bands where exactly like BCS0 |
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| ***Consequences if not approved:*** | The simplified configuration table can not be implemented.5DL configuration table not corrected |
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| ***Clauses affected:*** | 5.5A.3.4 |
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|  | **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 ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

## **<<Start of Change>>**

#### 5.5A.3.4 Configurations for inter-band CA (five bands)

Table 5.5A.3.4-1: NR CA configurations and bandwidth combinations sets defined for inter-band CA (five bands)

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | Bandwidth combination set |
| --- | --- | --- | --- | --- |
| CA\_n1A-n3A-n5A-n7A-n78A | CA\_n1A-n3ACA\_n1A-n5A | n1 | 5, 10, 15, 20 | 0 |
|  | CA\_n1A-n7ACA\_n1A-n78A | n3 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | CA\_n3A-n5ACA\_n3A-n7A | n5 | 5, 10, 15, 20 |  |
|  | CA\_n3A-n78ACA\_n5A-n7A | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  | CA\_n5A-n78ACA\_n7A-n78A | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n5A-n7B-n78A | CA\_n1A-n3ACA\_n1A-n5A | n1 | 5, 10, 15, 20 | 0 |
|  | CA\_n1A-n7ACA\_n1A-n78A | n3 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | CA\_n3A-n5ACA\_n3A-n7A | n5 | 5, 10, 15, 20 |  |
|  | CA\_n3A-n78ACA\_n5A-n7A | n7 | See CA\_n7B bandwidth combination set 0 in Table 5.5A.1-1 |  |
|  | CA\_n5A-n78ACA\_n7A-n78ACA\_n7B | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7A-n28A-n78A | - | n1 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  |  | n28 | 5, 10, 15, 20, 30 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  | CA\_n1A-n3ACA\_n1A-n7ACA\_n1A-n28ACA\_n1A-n78A | n1 | 5, 10, 15, 20 | 1 |
|  | CA\_n3A-n7ACA\_n3A-n28ACA\_n3A-n78A | n3 | 5, 10, 15, 20, 25, 30, 40 |  |
|  | CA\_n7A-n28ACA\_n7A-n78A | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  | CA\_n28A-n78A | n28 | 5, 10, 15, 20 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7B-n28A-n78A | CA\_n1A-n3ACA\_n1A-n7ACA\_n1A-n28ACA\_n1A-n78ACA\_n3A-n7ACA\_n3A-n28ACA\_n3A-n78ACA\_n7A-n28ACA\_n7A-n78ACA\_n28A-n78ACA\_n7B | n1 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n7 | See CA\_n7B bandwidth combination set 0 in Table 5.5A.1-1 |  |
|  |  | n28 | 5, 10, 15, 20, 30 |  |
|  |  | n78 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n1A-n3A-n7A-n28A-n78(2A) | CA\_n1A-n3ACA\_n1A-n7A | n1 | 5, 10, 15, 20, 25, 30, 40, 50 | 0 |
|  | CA\_n1A-n28ACA\_n1A-n78A | n3 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  | CA\_n3A-n7ACA\_n3A-n28A | n7 | 5, 10, 15, 20, 25, 30, 40, 50 |  |
|  | CA\_n3A-n78ACA\_n7A-n28A | n28 | 5, 10, 15, 20, 30 |  |
|  | CA\_n7A-n78ACA\_n28A-n78A | n78 | See CA\_n78(2A) Bandwidth Combination Set 2 in Table 5.5A.2-1 |  |
| CA\_n2A-n5A-n48A-n66A-n77A | CA\_n2A-n5ACA\_n2A-n48ACA\_n2A-n66ACA\_n2A-n77ACA\_n5A-n48ACA\_n5A-n66ACA\_n5A-n77ACA\_n48A-n66ACA\_n66A-n77A | n2 | 5, 10, 15, 20 | 0 |
|  |  | n5 | 5, 10, 15, 20 |  |
|  |  | n48 | 5, 10, 15, 20, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n2A-n5A-n48B-n66A-n77A | CA\_n2A-n5ACA\_n2A-n48ACA\_n2A-n66ACA\_n2A-n77ACA\_n5A-n48ACA\_n5A-n66ACA\_n5A-n77ACA\_n48A-n66ACA\_n66A-n77ACA\_n48B | n2 | 5, 10, 15, 20 | 0 |
|  |  | n5 | 5, 10, 15, 20 |  |
|  |  | n48 | See CA\_n48B Bandwidth Combination Set 2 in Table 5.5A.1-1 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
| CA\_n2A-n5A-n48A-n66A-n77C | CA\_n2A-n5ACA\_n2A-n48ACA\_n2A-n66ACA\_n2A-n77ACA\_n5A-n48ACA\_n5A-n66ACA\_n5A-n77ACA\_n48A-n66ACA\_n66A-n77ACA\_n77C | n2 | 5, 10, 15, 20 | 0 |
|  |  | n5 | 5, 10, 15, 20 |  |
|  |  | n48 | 5, 10, 15, 20, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n66 | 5, 10, 15, 20, 25, 30, 40 |  |
|  |  | n77 | See CA\_n77C Bandwidth Combination Set 1 in Table 5.5A.1-1 |  |
|  |  |  |  |  |
| NOTE 1: The SCS of each channel bandwidth for NR FR1 and NR FR2 band refers to Table 5.3.5-1 of TS 38.101-1 and TS 38.101-2 respectively. |

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## **<<End of Change>>**