**3GPP TSG-RAN WG4 Meeting #104-e R4-2214431**

**Electronic Meeting, 15 August – 26 August 2022**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **DRAFT CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-3** | **CR** |  | **rev** |  | **Current version:** | **17.6.0** |  |
|  | | | | | | | | |
| *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 |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Draft CR for TS 38.101-3 to add new NR\_CADC 2BDL\_xBUL combinations containing FR1 + FR2-2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Charter Communications Inc | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_ext\_to\_71GHz-Core | | | | |  | ***Date:*** | | | 2022-08-22 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | |  |
|  | *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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Adding new combinations | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Adding:  CA\_n48A/B/C-n263A/G/H/I/J/K/L/M  CA\_n48(2A)/(3A)/(4A)- n263A/G/H/I/J/K/L/M  CA\_n48(A-B)- n263A/G/H/I/J/K/L/M | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | New combinations are not added | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

---Start of changes---

**Table 5.2A.1-1: Band combinations for inter-band CA between FR1 and FR2 (two bands)**

|  |  |
| --- | --- |
| **NR CA Band** | **NR Band** |
| CA\_n48-n2601 | n48, n260 |
| CA\_n48-n2611 | n48, n261 |
| CA\_n48-n2631 | n48, n263 |
| CA\_n66-n2581 | n66, n258 |
| NOTE 1: Applicable for UE supporting inter-band carrier aggregation with mandatory simultaneous Rx/Tx capability. | |

“TEXT OMITTED"

Table 5.5A.1-1k: Inter-band CA configurations and bandwidth combinations sets between FR1 and FR2 (two bands)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NR CA configuration** | **Uplink NR CA  configuration** | **NR Band** | **Channel bandwidth (MHz)** | **BCS** |
| CA\_n48A-n263A | CA\_n48A-n263A | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48A-n263G | CA\_n48A-n263A CA\_n48A-n263G | n48 | CA\_n263G | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48A-n263H | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H | n48 | CA\_263H | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48A-n263I | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_263I | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48A-n263J | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_263J | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48A-n263K | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_263K | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48A-n263L | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_263L | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48A-n263M | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_263M | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(2A)-n263A | CA\_n48A-n263A | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(2A)-n263G | CA\_n48A-n263A CA\_n48A-n263G | n48 | CA\_n48(2A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(2A)-n263H | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H | n48 | CA\_n48(2A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(2A)-n263I | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(2A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(2A)-n263J | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(2A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(2A)-n263K | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(2A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(2A)-n263L | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(2A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(2A)-n263M | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(2A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48B-n263A | CA\_n48A-n263A | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48B-n263G | CA\_n48A-n263A CA\_n48A-n263G | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48B-n263H | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48B-n263I | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48B-n263J | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48B-n263K | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48B-n263L | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48B-n263M | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(A-B)-n263A | CA\_n48A-n263A | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(A-B)-n263G | CA\_n48A-n263A CA\_n48A-n263G | n48 | CA\_n48(A-B) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(A-B)-n263H | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H | n48 | CA\_n48(A-B) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(A-B)-n263I | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(A-B) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(A-B)-n263J | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(A-B) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48C-n263A | CA\_n48A-n263A  CA\_n48B-n263A | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48C-n263G | CA\_n48A-n263A CA\_n48A-n263G CA\_n48B-n263A  CA\_n48B-n263G | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48C-n263H | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48B-n263A  CA\_n48B-n263G CA\_n48B-n263H | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48C-n263I | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I CA\_n48B-n263A  CA\_n48B-n263G CA\_n48B-n263H  CA\_n48B-n263I | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48C-n263J | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I CA\_n48B-n263A  CA\_n48B-n263G CA\_n48B-n263H  CA\_n48B-n263I | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48C-n263K | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I CA\_n48B-n263A  CA\_n48B-n263G CA\_n48B-n263H  CA\_n48B-n263I | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48C-n263L | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I CA\_n48B-n263A  CA\_n48B-n263G CA\_n48B-n263H  CA\_n48B-n263I | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48C-n263M | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I CA\_n48B-n263A  CA\_n48B-n263G CA\_n48B-n263H  CA\_n48B-n263I | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(3A)-n263A | CA\_n48A-n263A | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(3A)-n263G | CA\_n48A-n263A CA\_n48A-n263G | n48 | CA\_n48(3A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(3A)-n263H | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H | n48 | CA\_n48(3A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(3A)-n263I | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(3A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(3A)-n263J | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(3A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(3A)-n263K | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(3A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(3A)-n263L | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(3A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(3A)-n263M | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(3A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(4A)-n263A | CA\_n48A-n263A | n48 | 5, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100 | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(4A)-n263G | CA\_n48A-n263A CA\_n48A-n263G | n48 | CA\_n48(4A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(4A)-n263H | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(4A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(4A)-n263I | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H | n48 | CA\_n48(4A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(4A)-n263J | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(4A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(4A)-n263K | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(4A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(4A)-n263L | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(4A) | 0 |
| n263 | 400, 800, 1600, 2000 |
| CA\_n48(4A)-n263M | CA\_n48A-n263A CA\_n48A-n263G CA\_n48A-n263H CA\_n48A-n263I | n48 | CA\_n48(4A) | 0 |
| n263 | 400, 800, 1600, 2000 |

---End of changes---