**3GPP TSG-RAN WG4 Meeting #103-e *R4-2209266***

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

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-3** | **CR** | **0720** | **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 38.101-3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***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 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:*** | | 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.1-4. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | the configuration table format is simplified in Table 5.5A.1-4. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The simplified configuration table can not be implemented. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5A.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 Change>>**

Table 5.5A.1-4: Inter-band CA configurations and bandwidth combination sets between FR1 and FR2 (five bands)

| NR CA configuration | Uplink configuration | NR Band | Channel bandwidth (MHz) (NOTE 1) | Bandwidth combination set |
| --- | --- | --- | --- | --- |
| CA\_n1A-n3A-n8A-n77A-n257A | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n3A-n8A-n77A-n257G | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n257 | CA\_n257G |  |
| CA\_n1A-n3A-n8A-n77A-n257H | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n257 | CA\_n257H |  |
| CA\_n1A-n3A-n8A-n77A-n257I | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n257 | CA\_n257I |  |
| CA\_n1A-n3A-n8A-n77A-n257J | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n257 | CA\_n257J |  |
| CA\_n1A-n3A-n8A-n77A-n257K | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n257 | CA\_n257K |  |
| CA\_n1A-n3A-n8A-n77A-n257L | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n257 | CA\_n257L |  |
| CA\_n1A-n3A-n8A-n77A-n257M | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 |  |
|  |  | n257 | CA\_n257M |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257A | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 |  |
|  |  | n257 | 50, 100, 200, 400 |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257G | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 |  |
|  |  | n257 | CA\_n257G |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257H | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 |  |
|  |  | n257 | CA\_n257H |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257I | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 |  |
|  |  | n257 | CA\_n257I |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257J | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 |  |
|  |  | n257 | CA\_n257J |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257K | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 |  |
|  |  | n257 | CA\_n257K |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257L | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 |  |
|  |  | n257 | CA\_n257L |  |
| CA\_n1A-n3A-n8A-n77(2A)-n257M | - | n1 | 5, 10, 15, 20 | 0 |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n8 | 5, 10, 15, 20 |  |
|  |  | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 |  |
|  |  | n257 | CA\_n257M |  |
|  | CA\_n3A-n28A  CA\_n3A-n77A | n3 | 5, 10, 15, 20, 25, 30 |  |
|  | CA\_n3A-n79A  CA\_n3A-n257A | n28 | 5, 10, 15, 20 |  |
| CA\_n3A-n28A-n77A-n79A-n257A | CA\_n28A-n77A  CA\_n28A-n79A | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  | CA\_n28A-n257A  CA\_n77A-n79A | n79 | 40, 50, 80, 100 |  |
|  | CA\_n77A-n257A  CA\_n79A-n257A | n257 | 50, 100, 200, 400 |  |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n28 | 5, 10, 15, 20 |  |
| CA\_n3A-n28A-n77A-n79A-n257G | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  |  | n79 | 40, 50, 80, 100 |  |
|  |  | n257 | CA\_n257G |  |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n28 | 5, 10, 15, 20 |  |
| CA\_n3A-n28A-n77A-n79A-n257H | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  |  | n79 | 40, 50, 80, 100 |  |
|  |  | n257 | CA\_n257H |  |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n28 | 5, 10, 15, 20 |  |
| CA\_n3A-n28A-n77A-n79A-n257I | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n77 | 10, 15, 20, 40, 50, 60, 80, 90, 100 | 0 |
|  |  | n79 | 40, 50, 80, 100 |  |
|  |  | n257 | CA\_n257I |  |
|  | CA\_n3A-n28A  CA\_n3A-n77A | n3 | 5, 10, 15, 20, 25, 30 |  |
|  | CA\_n3A-n79A  CA\_n3A-n257A | n28 | 5, 10, 15, 20 |  |
| CA\_n3A-n28A-n77(2A)-n79A-n257A | CA\_n28A-n77A  CA\_n28A-n79A | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | 0 |
|  | CA\_n28A-n257A  CA\_n77A-n79A | n79 | 40, 50, 80, 100 |  |
|  | CA\_n77A-n257A  CA\_n79A-n257A | n257 | 50, 100, 200, 400 |  |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n28 | 5, 10, 15, 20 |  |
| CA\_n3A-n28A-n77(2A)-n79A-n257G | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n79A-n257A  CA\_n79A-n257G | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | 0 |
|  |  | n79 | 40, 50, 80, 100 |  |
|  |  | n257 | CA\_n257G |  |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n28 | 5, 10, 15, 20 |  |
| CA\_n3A-n28A-n77(2A)-n79A-n257H | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | 0 |
|  |  | n79 | 40, 50, 80, 100 |  |
|  |  | n257 | CA\_n257H |  |
|  |  | n3 | 5, 10, 15, 20, 25, 30 |  |
|  |  | n28 | 5, 10, 15, 20 |  |
| CA\_n3A-n28A-n77(2A)-n79A-n257I | CA\_n3A-n28A  CA\_n3A-n77A  CA\_n3A-n79A  CA\_n3A-n257A  CA\_n3A-n257G  CA\_n3A-n257H  CA\_n3A-n257I  CA\_n28A-n77A  CA\_n28A-n79A  CA\_n28A-n257A  CA\_n28A-n257G  CA\_n28A-n257H  CA\_n28A-n257I  CA\_n77A-n79A  CA\_n77A-n257A  CA\_n77A-n257G  CA\_n77A-n257H  CA\_n77A-n257I  CA\_n79A-n257A  CA\_n79A-n257G  CA\_n79A-n257H  CA\_n79A-n257I | n77 | See CA\_n77(2A) Bandwidth Combination Set 0 in Table 5.5A.2-1 | 0 |
|  |  | n79 | 40, 50, 80, 100 |  |
|  |  | n257 | CA\_n257I |  |
|  |  |  |  |  |
| 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. | | | | |



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