**3GPP TSG-RAN WG4 Meeting #109 RevisedR4-2318669**

**Chicago, US, 13th-17th Nov, 2023**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-3** | **CR** |  | **rev** |  | **Current version:** | **18.3.0** |  |
|  | | | | | | | | |
| *For* [***HELP***](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:*** | draft CR to TS38.101-3: band combinations for DC\_R18\_xBLTE\_2BNR\_yDL2UL with FR2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon, KT, KT SAT | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | DC\_R18\_xBLTE\_2BNR\_yDL2UL-Core | | | | |  | | ***Date:*** | | 2023-11-3 |
|  |  | | | |  | | |  | |  |
| ***Category:*** | **B** |  | | | | | | ***Release:*** | | Rel-18 |
|  | *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:*** | | DC\_n77A-n257A/G/H/I/J/K/L/M\_8A  DC\_n77(2A)-n257A/G/H/I/J/K/L/M\_8A  DC\_n77A-n257A/G/H/I/J/K/L/M\_1A-8A  DC\_n77(2A)-n257A/G/H/I/J/K/L/M\_1A-8A  DC\_n77A-n257A/G/H/I/J/K/L/M\_3A-8A  DC\_n77(2A)-n257A/G/H/I/J/K/L/M\_3A-8A  DC\_n77A-n257A/G/H/I/J/K/L/M\_1A-3A-8A  DC\_n77(2A)-n257A/G/H/I/J/K/L/M\_1A-3A-8A  to be added into the specification  The fallback DC\_n77A-n3A\_1A-8A is available in R4-2318670 that is proposed in this meeting, too. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Include the above mentioned band combination in the spec | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | New configurations are not supported. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5B.6.2, 5.5B.6.3, 5.5B.6.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

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| ***This CR's revision history:*** |  |

## << Start of change >>

#### 5.5B.6a.2 Inter-band NE-DC configurations including FR1 and FR2 (three bands)

Table 5.5B.6a.2-1: Inter-band NE-DC configurations including FR1 and FR2 (three bands)

| **NE-DC configuration** | **Uplink NE-DC configuration (NOTE 1)** |
| --- | --- |
| DC\_n77A-n257A\_1A  DC\_n77A-n257G\_1A  DC\_n77A-n257H\_1A  DC\_n77A-n257I\_1A  DC\_n77A-n257J\_1A  DC\_n77A-n257K\_1A  DC\_n77A-n257L\_1A  DC\_n77A-n257M\_1A | DC\_n77A\_1A  DC\_n257A\_1A |
| DC\_n77(2A)-n257A\_1A  DC\_n77(2A)-n257G\_1A  DC\_n77(2A)-n257H\_1A  DC\_n77(2A)-n257I\_1A  DC\_n77(2A)-n257J\_1A  DC\_n77(2A)-n257K\_1A  DC\_n77(2A)-n257L\_1A  DC\_n77(2A)-n257M\_1A | DC\_n77A\_1A  DC\_n257A\_1A |
| DC\_n77A-n257A\_3A  DC\_n77A-n257G\_3A  DC\_n77A-n257H\_3A  DC\_n77A-n257I\_3A  DC\_n77A-n257J\_3A  DC\_n77A-n257K\_3A  DC\_n77A-n257L\_3A  DC\_n77A-n257M\_3A | DC\_n77A\_3A  DC\_n257A\_3A |
| DC\_n77(2A)-n257A\_3A  DC\_n77(2A)-n257G\_3A  DC\_n77(2A)-n257H\_3A  DC\_n77(2A)-n257I\_3A  DC\_n77(2A)-n257J\_3A  DC\_n77(2A)-n257K\_3A  DC\_n77(2A)-n257L\_3A  DC\_n77(2A)-n257M\_3A | DC\_n77A\_3A  DC\_n257A\_3A |
| DC\_n77A-n257A\_8A  DC\_n77A-n257G\_8A  DC\_n77A-n257H\_8A  DC\_n77A-n257I\_8A  DC\_n77A-n257J\_8A  DC\_n77A-n257K\_8A  DC\_n77A-n257L\_8A  DC\_n77A-n257M\_8A | DC\_n77A\_8A DC\_n257A\_8A |
| DC\_n77(2A)-n257A\_8A  DC\_n77(2A)-n257G\_8A  DC\_n77(2A)-n257H\_8A  DC\_n77(2A)-n257I\_8A  DC\_n77(2A)-n257J\_8A  DC\_n77(2A)-n257K\_8A  DC\_n77(2A)-n257L\_8A  DC\_n77(2A)-n257M\_8A | DC\_n77A\_8A DC\_n257A\_8A |
| NOTE 1: Uplink NE-DC configurations are the configurations supported by the present release of specifications.  NOTE 2: Applicable for UE supporting inter-band NE-DC with mandatory simultaneous Rx/Tx capability | |

## << Next change >>

#### 5.5B.6a.3 Inter-band NE-DC configurations including FR1 and FR2 (four bands)

Table 5.5B.6a.3-1: Inter-band NE-DC configurations including FR1 and FR2 (four bands)

| **NE-DC configuration** | **Uplink NE-DC configuration (NOTE 1)** |
| --- | --- |
| DC\_n77A-n257A\_1A-3A  DC\_n77A-n257G\_1A-3A  DC\_n77A-n257H\_1A-3A  DC\_n77A-n257I\_1A-3A  DC\_n77A-n257J\_1A-3A  DC\_n77A-n257K\_1A-3A  DC\_n77A-n257L\_1A-3A  DC\_n77A-n257M\_1A-3A | DC\_n77A\_1A DC\_n257A\_1A DC\_n77A\_3A DC\_n257A\_3A |
| DC\_n77(2A)-n257A\_1A-3A  DC\_n77(2A)-n257G\_1A-3A  DC\_n77(2A)-n257H\_1A-3A  DC\_n77(2A)-n257I\_1A-3A  DC\_n77(2A)-n257J\_1A-3A  DC\_n77(2A)-n257K\_1A-3A  DC\_n77(2A)-n257L\_1A-3A  DC\_n77(2A)-n257M\_1A-3A | DC\_n77A\_1A DC\_n257A\_1A DC\_n77A\_3A DC\_n257A\_3A |
| DC\_n77A-n257A\_1A-8A  DC\_n77A-n257G\_1A-8A  DC\_n77A-n257H\_1A-8A  DC\_n77A-n257I\_1A-8A  DC\_n77A-n257J\_1A-8A  DC\_n77A-n257K\_1A-8A  DC\_n77A-n257L\_1A-8A  DC\_n77A-n257M\_1A-8A | DC\_n77A\_1A DC\_n257A\_1A DC\_n77A\_8A DC\_n257A\_8A |
| DC\_n77(2A)-n257A\_1A-8A  DC\_n77(2A)-n257G\_1A-8A  DC\_n77(2A)-n257H\_1A-8A  DC\_n77(2A)-n257I\_1A-8A  DC\_n77(2A)-n257J\_1A-8A  DC\_n77(2A)-n257K\_1A-8A  DC\_n77(2A)-n257L\_1A-8A  DC\_n77(2A)-n257M\_1A-8A | DC\_n77A\_1A DC\_n257A\_1A DC\_n77A\_8A DC\_n257A\_8A |
| DC\_n77A-n257A\_3A-8A  DC\_n77A-n257G\_3A-8A  DC\_n77A-n257H\_3A-8A  DC\_n77A-n257I\_3A-8A  DC\_n77A-n257J\_3A-8A  DC\_n77A-n257K\_3A-8A  DC\_n77A-n257L\_3A-8A  DC\_n77A-n257M\_3A-8A | DC\_n77A\_3A DC\_n257A\_3A DC\_n77A\_8A DC\_n257A\_8A |
| DC\_n77(2A)-n257A\_3A-8A  DC\_n77(2A)-n257G\_3A-8A  DC\_n77(2A)-n257H\_3A-8A  DC\_n77(2A)-n257I\_3A-8A  DC\_n77(2A)-n257J\_3A-8A  DC\_n77(2A)-n257K\_3A-8A  DC\_n77(2A)-n257L\_3A-8A  DC\_n77(2A)-n257M\_3A-8A | DC\_n77A\_3A DC\_n257A\_3A DC\_n77A\_8A DC\_n257A\_8A |
| NOTE 1: Uplink NE-DC configurations are the configurations supported by the present release of specifications.  NOTE 2: Applicable for UE supporting inter-band NE-DC with mandatory simultaneous Rx/Tx capability | |

## << Next change >>

#### 5.5B.6a.4 Inter-band NE-DC configurations including FR1 and FR2 (five bands)

Table 5.5B.6a.4-1: Inter-band NE-DC configurations including FR1 and FR2 (four bands)

| **NE-DC configuration** | **Uplink NE-DC configuration (NOTE 1)** |
| --- | --- |
| DC\_n77A-n257A\_1A-3A-8A  DC\_n77A-n257G\_1A-3A-8A  DC\_n77A-n257H\_1A-3A-8A  DC\_n77A-n257I\_1A-3A-8A  DC\_n77A-n257J\_1A-3A-8A  DC\_n77A-n257K\_1A-3A-8A  DC\_n77A-n257L\_1A-3A-8A  DC\_n77A-n257M\_1A-3A-8A | DC\_n77A\_1A DC\_n257A\_1A DC\_n77A\_3A DC\_n257A\_3A DC\_n77A\_8A DC\_n257A\_8A |
| DC\_n77(2A)-n257A\_1A-3A-8A  DC\_n77(2A)-n257G\_1A-3A-8A  DC\_n77(2A)-n257H\_1A-3A-8A  DC\_n77(2A)-n257I\_1A-3A-8A  DC\_n77(2A)-n257J\_1A-3A-8A  DC\_n77(2A)-n257K\_1A-3A-8A  DC\_n77(2A)-n257L\_1A-3A-8A  DC\_n77(2A)-n257M\_1A-3A-8A | DC\_n77A\_1A DC\_n257A\_1A DC\_n77A\_3A DC\_n257A\_3A DC\_n77A\_8A DC\_n257A\_8A |
| NOTE 1: Uplink NE-DC configurations are the configurations supported by the present release of specifications.  NOTE 2: Applicable for UE supporting inter-band NE-DC with mandatory simultaneous Rx/Tx capability | |

## << End change >>