3GPP TSG-RAN WG4 Meeting # 110bis RevisedR4-2404269

Changsha, China, 15-19 April , 2024

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-3** | **CR** | **-** | **rev** |  | **Current version:** | **18.5.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **x** | Radio Access Network |  | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | draft CR for TS 38.101-3 DC\_R18\_xBLTE\_2BNR\_yDL2UL without FR2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon, KT, KT SAT | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | DC\_R18\_xBLTE\_2BNR\_yDL2UL-Core | | | | |  | ***Date:*** | | | 2024-04-08 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | Introduce the below mentioned band combinations:  - DC\_ n257A/G/H/I/J/K/L/M-3(n)AA-1A  - DC\_ n257A/G/H/I/J/K/L/M-3(n)AA-8A  - DC\_ n257A/G/H/I/J/K/L/M-3(n)AA-1A-8A  The fallbacks are proposed in the same meeting via RevR4-2404268 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Introduce the below mentioned band combinations | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | New configurations are not included in Rel-18. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.5B.6a.3, 5.5B.6a.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **x** |  | Test specifications | | | | TS 38.521-3 | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**<Start of 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\_n3A-n8A-n257A\_1A  DC\_n3A-n8A-n257G\_1A  DC\_n3A-n8A-n257H\_1A  DC\_n3A-n8A-n257I\_1A  DC\_n3A-n8A-n257J\_1A  DC\_n3A-n8A-n257K\_1A  DC\_n3A-n8A-n257L\_1A  DC\_n3A-n8A-n257M\_1A | DC\_n3A\_1A  DC\_n8A\_1A  DC\_n257A\_1A |
| DC\_n3A-n8A-n257A\_1A  DC\_n3A-n8A-n257G\_1A  DC\_n3A-n8A-n257H\_1A  DC\_n3A-n8A-n257I\_1A  DC\_n3A-n8A-n257J\_1A  DC\_n3A-n8A-n257K\_1A  DC\_n3A-n8A-n257L\_1A  DC\_n3A-n8A-n257M\_1A | DC\_n3A\_1A  DC\_n8A\_1A  DC\_n257A\_1A |
| DC\_n8A-n77A-n257A\_1A  DC\_n8A-n77A-n257G\_1A  DC\_n8A-n77A-n257H\_1A  DC\_n8A-n77A-n257I\_1A  DC\_n8A-n77A-n257J\_1A  DC\_n8A-n77A-n257K\_1A  DC\_n8A-n77A-n257L\_1A  DC\_n8A-n77A-n257M\_1A | DC\_n8A\_1A DC\_n77A\_1A DC\_n257A\_1A |
| DC\_n8A-n77A-n257A\_1A  DC\_n8A-n77A-n257G\_1A  DC\_n8A-n77A-n257H\_1A  DC\_n8A-n77A-n257I\_1A  DC\_n8A-n77A-n257J\_1A  DC\_n8A-n77A-n257K\_1A  DC\_n8A-n77A-n257L\_1A  DC\_n8A-n77A-n257M\_1A | DC\_n8A\_1A DC\_n77A\_1A DC\_n257A\_1A |
| DC\_n8A-n77(2A)-n257A\_1A  DC\_n8A-n77(2A)-n257G\_1A  DC\_n8A-n77(2A)-n257H\_1A  DC\_n8A-n77(2A)-n257I\_1A  DC\_n8A-n77(2A)-n257J\_1A  DC\_n8A-n77(2A)-n257K\_1A  DC\_n8A-n77(2A)-n257L\_1A  DC\_n8A-n77(2A)-n257M\_1A | DC\_n8A\_1A DC\_n77A\_1A DC\_n257A\_1A |
| DC\_n3A-n257G\_1A-8A  DC\_n3A-n257H\_1A-8A  DC\_n3A-n257I\_1A-8A  DC\_n3A-n257J\_1A-8A  DC\_n3A-n257K\_1A-8A  DC\_n3A-n257L\_1A-8A  DC\_n3A-n257M\_1A-8A | DC\_n3A\_1A  DC\_n3A\_8A  DC\_n257A\_1A  DC\_n257A\_8A |
| DC\_n8A-n257A\_1A-3A  DC\_n8A-n257G\_1A-3A  DC\_n8A-n257H\_1A-3A  DC\_n8A-n257I\_1A-3A  DC\_n8A-n257J\_1A-3A  DC\_n8A-n257K\_1A-3A  DC\_n8A-n257L\_1A-3A  DC\_n8A-n257M\_1A-3A | DC\_n8A\_1A  DC\_n8A\_3A  DC\_n257A\_1A  DC\_n257A\_3A |
| 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\_n77A\_8A  DC\_n257A\_1A 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\_n77A\_8A  DC\_n257A\_1A 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\_n77A\_8A  DC\_n257A\_3A 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\_n77A\_8A  DC\_n257A\_3A DC\_n257A\_8A |
| DC\_ n257A-3(n)AA-1A  DC\_ n257G-3(n)AA-1A  DC\_ n257H-3(n)AA-1A  DC\_ n257I-3(n)AA-1A  DC\_ n257J-3(n)AA-1A  DC\_ n257K-3(n)AA-1A  DC\_ n257L-3(n)AA-1A  DC\_ n257M-3(n)AA-1A | DC\_n3A\_1A DC\_n257A\_1A DC\_3(n)AA3 DC\_n257A\_3A |
| DC\_ n257A-3(n)AA-8A  DC\_ n257G-3(n)AA-8A  DC\_ n257H-3(n)AA-8A  DC\_ n257I-3(n)AA-8A  DC\_ n257J-3(n)AA-8A  DC\_ n257K-3(n)AA-8A  DC\_ n257L-3(n)AA-8A  DC\_ n257M-3(n)AA-8A | DC\_3(n)AA3 DC\_n257A\_3A DC\_n3A\_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  NOTE 3: Only single switched UL is supported. | |

#### 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\_n3A-n8A-n77A-n257A\_1A  DC\_n3A-n8A-n77A-n257G\_1A  DC\_n3A-n8A-n77A-n257H\_1A  DC\_n3A-n8A-n77A-n257I\_1A  DC\_n3A-n8A-n77A-n257J\_1A  DC\_n3A-n8A-n77A-n257K\_1A  DC\_n3A-n8A-n77A-n257L\_1A  DC\_n3A-n8A-n77A-n257M\_1A | DC\_n3A\_1A  DC\_n8A\_1A  DC\_n77A\_1A  DC\_n257A\_1A |
| DC\_n3A-n8A-n77(2A)-n257A\_1A  DC\_n3A-n8A-n77(2A)-n257G\_1A  DC\_n3A-n8A-n77(2A)-n257H\_1A  DC\_n3A-n8A-n77(2A)-n257I\_1A  DC\_n3A-n8A-n77(2A)-n257J\_1A  DC\_n3A-n8A-n77(2A)-n257K\_1A  DC\_n3A-n8A-n77(2A)-n257L\_1A  DC\_n3A-n8A-n77(2A)-n257M\_1A | DC\_n3A\_1A  DC\_n8A\_1A  DC\_n77A\_1A  DC\_n257A\_1A |
| 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\_n77A\_3A  DC\_n77A\_8A  DC\_n257A\_1A DC\_n257A\_3A 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\_n77A\_3A  DC\_n77A\_8A  DC\_n257A\_1A DC\_n257A\_3A DC\_n257A\_8A |
| DC\_ n257A-3(n)AA-1A-8A  DC\_ n257G-3(n)AA-1A-8A  DC\_ n257H-3(n)AA-1A-8A  DC\_ n257I-3(n)AA-1A-8A  DC\_ n257J-3(n)AA-1A-8A  DC\_ n257K-3(n)AA-1A-8A  DC\_ n257L-3(n)AA-1A-8A  DC\_ n257M-3(n)AA-1A-8A | DC\_n3A\_1A DC\_n257A\_1A DC\_3(n)AA3 DC\_n257A\_3A |
| 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  NOTE 3: Only single switched UL is supported. | |

**<End of change>**