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

Changsha, China, 15-19 April , 2024

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

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|  |
| ***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 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)* |
|  |  |
| ***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-8AThe 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\_1ADC\_n3A-n8A-n257G\_1ADC\_n3A-n8A-n257H\_1ADC\_n3A-n8A-n257I\_1ADC\_n3A-n8A-n257J\_1ADC\_n3A-n8A-n257K\_1ADC\_n3A-n8A-n257L\_1ADC\_n3A-n8A-n257M\_1A | DC\_n3A\_1ADC\_n8A\_1ADC\_n257A\_1A |
| DC\_n3A-n8A-n257A\_1ADC\_n3A-n8A-n257G\_1ADC\_n3A-n8A-n257H\_1ADC\_n3A-n8A-n257I\_1ADC\_n3A-n8A-n257J\_1ADC\_n3A-n8A-n257K\_1ADC\_n3A-n8A-n257L\_1ADC\_n3A-n8A-n257M\_1A | DC\_n3A\_1ADC\_n8A\_1ADC\_n257A\_1A |
| DC\_n8A-n77A-n257A\_1ADC\_n8A-n77A-n257G\_1ADC\_n8A-n77A-n257H\_1ADC\_n8A-n77A-n257I\_1ADC\_n8A-n77A-n257J\_1ADC\_n8A-n77A-n257K\_1ADC\_n8A-n77A-n257L\_1ADC\_n8A-n77A-n257M\_1A | DC\_n8A\_1ADC\_n77A\_1ADC\_n257A\_1A |
| DC\_n8A-n77A-n257A\_1ADC\_n8A-n77A-n257G\_1ADC\_n8A-n77A-n257H\_1ADC\_n8A-n77A-n257I\_1ADC\_n8A-n77A-n257J\_1ADC\_n8A-n77A-n257K\_1ADC\_n8A-n77A-n257L\_1ADC\_n8A-n77A-n257M\_1A | DC\_n8A\_1ADC\_n77A\_1ADC\_n257A\_1A |
| DC\_n8A-n77(2A)-n257A\_1ADC\_n8A-n77(2A)-n257G\_1ADC\_n8A-n77(2A)-n257H\_1ADC\_n8A-n77(2A)-n257I\_1ADC\_n8A-n77(2A)-n257J\_1ADC\_n8A-n77(2A)-n257K\_1ADC\_n8A-n77(2A)-n257L\_1ADC\_n8A-n77(2A)-n257M\_1A | DC\_n8A\_1ADC\_n77A\_1ADC\_n257A\_1A |
| DC\_n3A-n257G\_1A-8ADC\_n3A-n257H\_1A-8ADC\_n3A-n257I\_1A-8ADC\_n3A-n257J\_1A-8ADC\_n3A-n257K\_1A-8ADC\_n3A-n257L\_1A-8ADC\_n3A-n257M\_1A-8A | DC\_n3A\_1ADC\_n3A\_8ADC\_n257A\_1ADC\_n257A\_8A |
| DC\_n8A-n257A\_1A-3ADC\_n8A-n257G\_1A-3ADC\_n8A-n257H\_1A-3ADC\_n8A-n257I\_1A-3ADC\_n8A-n257J\_1A-3ADC\_n8A-n257K\_1A-3ADC\_n8A-n257L\_1A-3ADC\_n8A-n257M\_1A-3A | DC\_n8A\_1A DC\_n8A\_3ADC\_n257A\_1ADC\_n257A\_3A |
| DC\_n77A-n257A\_1A-3ADC\_n77A-n257G\_1A-3ADC\_n77A-n257H\_1A-3ADC\_n77A-n257I\_1A-3ADC\_n77A-n257J\_1A-3ADC\_n77A-n257K\_1A-3ADC\_n77A-n257L\_1A-3ADC\_n77A-n257M\_1A-3A | DC\_n77A\_1ADC\_n257A\_1ADC\_n77A\_3ADC\_n257A-3A |
| DC\_n77(2A)-n257A\_1A-3ADC\_n77(2A)-n257G\_1A-3ADC\_n77(2A)-n257H\_1A-3ADC\_n77(2A)-n257I\_1A-3ADC\_n77(2A)-n257J\_1A-3ADC\_n77(2A)-n257K\_1A-3ADC\_n77(2A)-n257L\_1A-3ADC\_n77(2A)-n257M\_1A-3A | DC\_n77A\_1ADC\_n257A\_1ADC\_n77A\_3ADC\_n257A-3A |
| DC\_n77A-n257A\_1A-8ADC\_n77A-n257G\_1A-8ADC\_n77A-n257H\_1A-8ADC\_n77A-n257I\_1A-8ADC\_n77A-n257J\_1A-8ADC\_n77A-n257K\_1A-8ADC\_n77A-n257L\_1A-8ADC\_n77A-n257M\_1A-8A | DC\_n77A\_1ADC\_n77A\_8ADC\_n257A\_1ADC\_n257A\_8A |
| DC\_n77(2A)-n257A\_1A-8ADC\_n77(2A)-n257G\_1A-8ADC\_n77(2A)-n257H\_1A-8ADC\_n77(2A)-n257I\_1A-8ADC\_n77(2A)-n257J\_1A-8ADC\_n77(2A)-n257K\_1A-8ADC\_n77(2A)-n257L\_1A-8ADC\_n77(2A)-n257M\_1A-8A | DC\_n77A\_1ADC\_n77A\_8ADC\_n257A\_1ADC\_n257A\_8A |
| DC\_n77A-n257A\_3A-8ADC\_n77A-n257G\_3A-8ADC\_n77A-n257H\_3A-8ADC\_n77A-n257I\_3A-8ADC\_n77A-n257J\_3A-8ADC\_n77A-n257K\_3A-8ADC\_n77A-n257L\_3A-8ADC\_n77A-n257M\_3A-8A | DC\_n77A\_3ADC\_n77A\_8ADC\_n257A\_3ADC\_n257A\_8A |
| DC\_n77(2A)-n257A\_3A-8ADC\_n77(2A)-n257G\_3A-8ADC\_n77(2A)-n257H\_3A-8ADC\_n77(2A)-n257I\_3A-8ADC\_n77(2A)-n257J\_3A-8ADC\_n77(2A)-n257K\_3A-8ADC\_n77(2A)-n257L\_3A-8ADC\_n77(2A)-n257M\_3A-8A | DC\_n77A\_3ADC\_n77A\_8ADC\_n257A\_3ADC\_n257A\_8A |
| DC\_ n257A-3(n)AA-1ADC\_ n257G-3(n)AA-1ADC\_ n257H-3(n)AA-1ADC\_ n257I-3(n)AA-1ADC\_ n257J-3(n)AA-1ADC\_ n257K-3(n)AA-1ADC\_ n257L-3(n)AA-1ADC\_ n257M-3(n)AA-1A | DC\_n3A\_1ADC\_n257A\_1ADC\_3(n)AA3DC\_n257A\_3A |
| DC\_ n257A-3(n)AA-8ADC\_ n257G-3(n)AA-8ADC\_ n257H-3(n)AA-8ADC\_ n257I-3(n)AA-8ADC\_ n257J-3(n)AA-8ADC\_ n257K-3(n)AA-8ADC\_ n257L-3(n)AA-8ADC\_ n257M-3(n)AA-8A | DC\_3(n)AA3DC\_n257A\_3ADC\_n3A\_8ADC\_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 capabilityNOTE 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\_1ADC\_n3A-n8A-n77A-n257G\_1ADC\_n3A-n8A-n77A-n257H\_1ADC\_n3A-n8A-n77A-n257I\_1ADC\_n3A-n8A-n77A-n257J\_1ADC\_n3A-n8A-n77A-n257K\_1ADC\_n3A-n8A-n77A-n257L\_1ADC\_n3A-n8A-n77A-n257M\_1A | DC\_n3A\_1ADC\_n8A\_1ADC\_n77A\_1ADC\_n257A\_1A |
| DC\_n3A-n8A-n77(2A)-n257A\_1ADC\_n3A-n8A-n77(2A)-n257G\_1ADC\_n3A-n8A-n77(2A)-n257H\_1ADC\_n3A-n8A-n77(2A)-n257I\_1ADC\_n3A-n8A-n77(2A)-n257J\_1ADC\_n3A-n8A-n77(2A)-n257K\_1ADC\_n3A-n8A-n77(2A)-n257L\_1ADC\_n3A-n8A-n77(2A)-n257M\_1A | DC\_n3A\_1ADC\_n8A\_1ADC\_n77A\_1ADC\_n257A\_1A |
| DC\_n77A-n257A\_1A-3A-8ADC\_n77A-n257G\_1A-3A-8ADC\_n77A-n257H\_1A-3A-8ADC\_n77A-n257I\_1A-3A-8ADC\_n77A-n257J\_1A-3A-8ADC\_n77A-n257K\_1A-3A-8ADC\_n77A-n257L\_1A-3A-8ADC\_n77A-n257M\_1A-3A-8A | DC\_n77A\_1ADC\_n77A\_3ADC\_n77A\_8ADC\_n257A\_1ADC\_n257A\_3ADC\_n257A\_8A |
| DC\_n77(2A)-n257A\_1A-3A-8ADC\_n77(2A)-n257G\_1A-3A-8ADC\_n77(2A)-n257H\_1A-3A-8ADC\_n77(2A)-n257I\_1A-3A-8ADC\_n77(2A)-n257J\_1A-3A-8ADC\_n77(2A)-n257K\_1A-3A-8ADC\_n77(2A)-n257L\_1A-3A-8ADC\_n77(2A)-n257M\_1A-3A-8A | DC\_n77A\_1ADC\_n77A\_3ADC\_n77A\_8ADC\_n257A\_1ADC\_n257A\_3ADC\_n257A\_8A |
| DC\_ n257A-3(n)AA-1A-8ADC\_ n257G-3(n)AA-1A-8ADC\_ n257H-3(n)AA-1A-8ADC\_ n257I-3(n)AA-1A-8ADC\_ n257J-3(n)AA-1A-8ADC\_ n257K-3(n)AA-1A-8ADC\_ n257L-3(n)AA-1A-8ADC\_ n257M-3(n)AA-1A-8A | DC\_n3A\_1ADC\_n257A\_1ADC\_3(n)AA3DC\_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 capabilityNOTE 3: Only single switched UL is supported. |

**<End of change>**