**3GPP TSG-RAN WG2 Meeting #110-e R2-200xxxx**

**Electronic, 1st Jun. – 12th Jun. 2020**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **38.300** | **CR** | **0224** | **rev** | **1** | **Current version:** | **16.1.0** |  |
|  |
| *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 | **X** | Core Network |  |

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| ***Title:***  | Correction on bandwidth adaptation |
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| ***Source to WG:*** | vivo, Nokia (rapporteur) |
| ***Source to TSG:*** | R2 |
|  |  |
| ***Work item code:*** | NR\_newRAT-Core |  | ***Date:*** | 2020-05-21 |
|  |  |  |  |  |
| ***Category:*** | **A** |  | ***Release:*** | Rel-16 |
|  | *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-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
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| ***Reason for change:*** | Current specification indicates that for the SCell(s), the initial BWP is the BWP configured for the UE to first operate at SCell activation. Actually, it should be the first active BWP when RRC configures firstActiveDownlinkBWP used upon MAC-activation of an SCell. Thus, we need to correct the current description in TS 38.300. Moreover, the meaning of initial BWP has changed quite a bit in RRC during the discussion. Thus, it is better to avoid this terminology in TS 38.300.  |
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| ***Summary of change:*** | In Subclause 7.8, change the description for BWP adaptation to:For the PCell, the BWP used for initial access is configured via system information. For the SCell(s), the BWP used for initial activation is configured via dedicated RRC signaling.**Impact Analysis**Impacted 5G architecture options:(NG) EN-DC, Standalone, NE-DC, NR-DCImpacted functionality:Bandwidth Adaptation 1. Inter-operability for the change: The CR is provided for alignment to RRC specification. Thus, there is no new UE or network implementation.
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| ***Consequences if not approved:*** | Inconsistent specification between 38.331 and 38.300. |
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| ***Clauses affected:*** | 7.8 |
|  |  |
|  | **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 ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

Start of change

## 7.8 Bandwidth Adaptation

To enable BA on the PCell, the gNB configures the UE with UL and DL BWP(s). To enable BA on SCells in case of CA, the gNB configures the UE with DL BWP(s) at least (i.e. there may be none in the UL). For the PCell, the BWP used for initial access is configured via system information. For the SCell(s), the BWP used after initial activation is configured via dedicated RRC signaling.

In paired spectrum, DL and UL can switch BWP independently. In unpaired spectrum, DL and UL switch BWP simultaneously. Switching between configured BWPs happens by means of RRC signalling, DCI, inactivity timer or upon initiation of random access. When an inactivity timer is configured for a serving cell, the expiry of the inactivity timer associated to that cell switches the active BWP to a default BWP configured by the network. There can be at most one active BWP per cell, except when the serving cell is configured with SUL, in which case there can be at most one on each UL carrier.

End of change