**3GPP TSG-RAN WG2 Meeting #112 electronic R2-2011167**

**Electronic Meeting, Nov 2-13, 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **38.306** | **CR** | **0478** | **rev** |  | **Current version:** | **15.11.0** |  |
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| *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:*** | Clarification for *multipleCORESET* | | | | | | | | | |
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| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
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| ***Work item code:*** | NR\_newRAT-Core, NR\_eMIMO-Core | | | | |  | ***Date:*** | | | 2020-10-22 |
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| ***Category:*** | F |  | | | | | ***Release:*** | | | *Re-15* |
|  | *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-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:*** | | The Offline 108 - RRC corrections for eMIMO concluded that the description for capability *multipleCORESET* “more than on” means “up to two”:  multipleCORESET  Indicates whether the UE supports configuration of more than one PDCCH CORESET per BWP in addition to the CORESET with CORESET-ID 0 in the BWP. It is mandatory with capability signaling for FR2 and optional for FR1.  T | | | | | | | | |
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| ***Summary of change:*** | | Update the field description of *multipleCORESET* to clarify that if the capability is set UE supports up to two CORESETs and if not UE supports one CORESET in addition to CORESET with CORESET-ID 0.  **Impact analysis**.  Impacted 5G architecture options:  NR SA, NR-DC, NE-DC, EN-DC  Impacted functionality:MIMO  Inter-operability:   1. If the network is implemented according to the CR and the UE is not, there are no interoperability issues as the limitation is specified also elsewhere. 2. If the UE is implemented according to the CR and the network is not, no interoperability issues as the limitation is specified also elsewhere. | | | | | | | | |
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| ***Consequences if not approved:*** | | The capability parameter does not clearly reflect the configuration limitation in Release 15. | | | | | | | | |
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| ***Clauses affected:*** | | 4.2.7.10 | | | | | | | | |
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|  | | **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:*** | |  | | | | | | | | |

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| The first of change |

| ***multipleCORESET***  Indicates whether the UE supports configuration of up to two PDCCH CORESETs per BWP in addition to the CORESET with CORESET-ID 0 in the BWP. If this is not supported, the UE supports one PDCCH CORESET per BWP in addition to the CORESET with CORESET-ID 0 in the BWP. It is mandatory with capability signaling for FR2 and optional for FR1. | UE | CY | No | Yes |
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| The end of change |