**3GPP TSG-RAN WG1 Meeting #107R1-210xxxx**

**E-meeting, November 11th –November 19th, 2021**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **[DRAFT] CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.213** | **CR** |  | **rev** | **-** | **Current version:** | **16.7.0** |  |
|  | | | | | | | | |
| *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 | **X** | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Correction on Case 1 dormancy operation with data scheduling | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Moderator(Huawei), HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | RAN1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LTE\_NR\_DC\_CA\_enh-Core | | | | |  | ***Date:*** | | | 2021-11-17 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | There was agreements in RAN1#99 that Case 1 PDCCH refers to a PDCCH that schedules data for the primary cell and indicates dormancy for SCell(s).  However, the current descriptions of 38.213 include the case that for a DCI that does not schedule data and indicates the release of semi-persistent PDSCH/PUSCH, the SCell dormancy indication field in the DCI is valid and can indicate the dormancy of SCell(s). This is inconsistent with previous RAN1 agreeemnt and may cause further timeline issue for transmission of PUCCH. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Clarify in 38.213 that the DCI format that has a valid SCell dormancy indication field does not include the DCI formats that do not schedule data when indicating the release of semi-persistent PDSCH/PUSCH. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The agreement is not fully reflected in the specification and there may be a timeline issue for the HARQ-ACK feedback in PUCCH. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 10.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | |  | | |
| ***affected:*** | |  | **X** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Initial version | | | | | | | | |

#### 10.3 PDCCH monitoring indication and dormancy/non-dormancy behaviour for SCells

==== *Unchanged parts* ====

If a UE is provided search space sets to monitor PDCCH for detection of DCI format 0\_1 and DCI format 1\_1 and if one or both of DCI format 0\_1 and DCI format 1\_1 include a SCell dormancy indication field,

- the SCell dormancy indication field is a bitmap with size equal to a number of groups of configured SCells, provided by *dormancyGroupWithinActiveTime*,

- each bit of the bitmap corresponds to a group of configured SCells from the number of groups of configured Scells

- if the UE detects a DCI format 0\_1 or a DCI format 1\_1 that does not include a carrier indicator field, or detects a DCI format 0\_1 or DCI format 1\_1 that includes a carrier indicator field with value equal to 0, and if the DCI format 0\_1 does not indicate UL grant Type 2 release nor deactivate semi-persistent CSI report(s) on PUSCH, or if the DCI format 1\_1 does not indicate SPS PDSCH release

- a '0' value for a bit of the bitmap indicates an active DL BWP, provided by *dormantBWP-Id*, for the UE for each activated SCell in the corresponding group of configured SCells

- a '1' value for a bit of the bitmap indicates

- an active DL BWP, provided by *firstWithinActiveTimeBWP-Id*, for the UE for each activated SCell in the corresponding group of configured SCells, if a current active DL BWP is the dormant DL BWP

- a current active DL BWP, for the UE for each activated SCell in the corresponding group of configured SCells, if the current active DL BWP is not the dormant DL BWP

- the UE sets the active DL BWP to the indicated active DL BWP

==== *Unchanged parts* ====