**3GPP TSG- Meeting #112**

**Maastricht, Netherlands, August, 19 -**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.133** | **CR** | **4928** | **rev** | **1** | **Current version:** | **18.6.0** |  |
|  | | | | | | | | |
| *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:*** | CR 38.133 Corrections to Case 1 requirements for NR\_MG\_enh2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_MG\_enh2-Core | | | | |  | ***Date:*** | | | 2024-08-09 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | |  |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | UE behaviour for Pre-MG activation/deactivation needs to be clarified. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Following corrections to Case 1 requirements are made.   * The UE capability for supporting Case 1 requirements is added to clause 8.19.5. * In subclause 8.19.5.3, the endpoint of the Pre-MG activation / deactivation procedure, referred to in subclause 9.1.12.4 on collision between Pre-MG activation/deactivation and measurement gap, is defined. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Incomplete specification, as UE behaviour for Pre-MG activation/deactivation, part of the Case 1 requirements, is not specified. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.19.5.1, 8.19.5.2, 8.19.5.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS 38.533 | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | None. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Revision of R4-2413309. | | | | | | | | |

**--- Start of change 1 ---**

### 8.19.5 Activation/deactivation delay requirements for concurrent measurement gaps with Pre-MG

The requirements in this clause apply to a UE supporting *concurrentMeasGapsPreMG-r18* and configured with concurrent measurement gaps with Pre-MG.

#### 8.19.5.1 Activation/deactivation delay requirements for non-overlapped activation/deactivation of concurrent measurement gaps with Pre-MG

The requirements in this clause only apply when the activation/deactivation procedures of the individual pre-configured measurement gaps do not overlap in time.

When concurrent measurement gaps with Pre-MG activation/deactivation procedure are non-overlapped upon DCI/timer-based BWP switch, upon SCell activation/deactivation or upon RRC reconfiguration, for each individual pre-configured measurement gap, the requirements defined in clauses 8.19.2, 8.19.3 and 8.19.4 apply.

#### 8.19.5.2 Activation/deactivation delay requirements for fully overlapped activation/deactivation of concurrent measurement gaps with Pre-MG

The requirements in this clause only apply when the activation/deactivation procedures of the individual pre-configured measurement gaps fully overlap in time.

Fully overlapped activation/deactivation of pre-configured measurement gaps can occur in the following cases:

- Both pre-configured measurement gaps are triggered by the same event.

- Two pre-configured measurement gaps are triggered by two events of the same type at the same time.

When concurrent measurement gaps with Pre-MG are activated/deactivated simultaneously, the activation/deactivation delay equals the delay requirements defined in clauses 8.19.2, 8.19.3 and 8.19.4 for DCI/timer-based BWP switch, SCell activation/deactivation or RRC reconfiguration triggered activation/deactivation, respectively, plus an additional 2ms post-processing time.

#### 8.19.5.3 Pre-MG activation/deactivation delay when colliding with a concurrent measurement gap

When the activation/deactivation procedure of a pre-configured measurement gap collides with a concurrent measurement gap occasion, the requirements defined in clause 9.1.12.4 apply.

The endpoint of Pre-MG activation/deactivation is equal to the finalization of the pre-configured measurement gap activation/deactivation as defined in clauses 8.19.2, 8.19.3 and 8.19.4 for DCI/timer-based BWP switch, SCell activation/deactivation or RRC reconfiguration triggered activation/deactivation, respectively, without overlap of the Pre-MG activation/deactivation procedure with a Pre-MG occasion.

**--- End of change 1 ---**