**3GPP TSG- Meeting #112**

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

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **38.133** | **CR** | **4928** | **rev** | **1** | **Current version:** | **18.6.0** |  |
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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 |  | Core Network |  |

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| ***Title:***  | CR 38.133 Corrections to Case 1 requirements for NR\_MG\_enh2 |
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| ***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 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-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19) Rel-20 (Release 20)* |
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| ***Reason for change:*** |  UE behaviour for Pre-MG activation/deactivation needs to be clarified. |
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| ***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.
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| ***Consequences if not approved:*** | Incomplete specification, as UE behaviour for Pre-MG activation/deactivation, part of the Case 1 requirements, is not specified. |
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| ***Clauses affected:*** | 8.19.5.1, 8.19.5.2, 8.19.5.3 |
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|  | **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 ...  |
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| ***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 ---**