**3GPP TSG-RAN WG2 Meeting #121bis-e R2-230xxxx**

**eMeeting, 17th Apr. – 26th Apr. 2023**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **38.331** | **CR** | **DraftCR** | **rev** | **-** | **Current version:** | **17.4.0** |  |
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| *For* [***HELP***](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 measCyclePSCell used during SCG deactivation |
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| ***Source to WG:*** | Vivo, Ericsson, Huawei, HiSilicon |
| ***Source to TSG:*** | R2 |
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| ***Work item code:*** | NR\_UE\_pow\_sav\_enh-Core, LTE\_NR\_DC\_enh2-Core |  | ***Date:*** | 2023-04-07 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-17 |
|  | *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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | In the case of SCG deactivation and *bfd-and-RLM* is set to *true*, UE should perform the RLM/BFD measurement according to the requirements for SCG deactivation of *measCyclePSCell* as specified in TS 38.133. In this case, the field *measCyclePSCell* shall present.  |
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| ***Summary of change:*** | In the field description of “*measCyclePSCell*”, clarify that it is always present in the case of SCG deactivation and *bfd-and-RLM* is set to *true*.**Impact analysis**Impacted 5G architecture options: SA, NR-DC, EN-DC, NE-DCImpacted functionalityRLM/BFD, SCG deactivationInter-operability: 1. If the network is implemented according to the CR and the UE is not, there is no impact.
2. If the UE is implemented according to the CR and the network is not, there may be no corresponding requirement for RLM/BFD measurements in case of SCG deactivation and *bfd-and-RLM* is set to *true*.
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| ***Consequences if not approved:*** | Network may not configure the field “*measCyclePSCell*” in case of SCG deactivation and *bfd-and-RLM* is set to *true*. |
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| ***Clauses affected:*** | 6.3.2 |
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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:*** |  |

Start of change

*– MeasObjectNR*

The IE *MeasObjectNR* specifies information applicable for SS/PBCH block(s) intra/inter-frequency measurements and/or CSI-RS intra/inter-frequency measurements.

***MeasObjectNR* information element**

-- ASN1START

-- TAG-MEASOBJECTNR-START

MeasObjectNR ::= SEQUENCE {

 ssbFrequency ARFCN-ValueNR OPTIONAL, -- Cond SSBorAssociatedSSB

<TEXT OMITTED>

 measCyclePSCell-r17 ENUMERATED {ms160, ms256, ms320, ms512, ms640, ms1024, ms1280, spare1}

 OPTIONAL, -- Cond SCG

<TEXT OMITTED>

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| ***MeasObjectNR* field descriptions** |
| <TEXT OMITTED> |
| ***measCyclePSCell***The parameter is used only when the PSCell is configured on the frequency indicated by the *measObjectNR* and the SCG is deactivated, see TS 38.133 [14]. The field may also be configured when the PSCell is not configured on that frequency. The network always configures *measCyclePSCell* for the *measObjectNR* associated with the PSCell if *bfd-and-RLM* is set to *true* and the SCG is deactivated. Value ms*160* corresponds to 160 ms, value *ms256* corresponds to 256 ms and so on. |
| <TEXT OMITTED> |

End of change