**3GPP TSG-RAN WG2 Meeting #130 *R2-2505900***

**Bengaluru, India, 25 – 29 August 2025**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Qualcomm Incorporated | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_MG\_enh-Core | | | | |  | ***Date:*** | | | 2025-08-15 |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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:*** | | In the description for *gaplessMeas-FR2-maxCC* it says that "The UE reporting this field and supporting (NG)EN-DC shall not indicate support of *independentGapConfig* in *MeasAndMobParametersMRDC* (defined in TS 38.306 [87])."  The intention is that UE shall not report *independentGapConfig* within *UE-MRDC-Capability* for (NG)EN-DC when *gaplessMeas-FR2-maxCC* is reported in *UE-EUTRA-Capability*.  However, UE can still report *independentGapConfig* in *MeasAndMobParametersMRDC* within *UE-NR-Capability > NRDC-Parameters > measAndMobParametersNRDC* for NR-DC*.*  This should be clarified. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. Clarify in the description for *gaplessMeas-FR2-maxCC* that UE reporting the field shall not indicate support of *independentGapConfig* in *MeasAndMobParametersMRDC* "within *UE-MRDC-Capability*".   **Impact analysis**  Impacted architecture option: (NG)EN-DC, LTE SA.  Impacted functionality: Inter-RAT FR2 measurements.  Inter-operability:   1. If the network is implemented according to the CR and the UE is not, there is no interoperability issue; however, the UE may unnecessarily restrict itself from reporting gapless FR2 inter-RAT measurement capabilities that are otherwise supported, in which case the network would configure the UE with measurement gaps. 2. If the UE is implemented according to the CR and the network is not, there is no interoperability issue; however, network may not consider that gapless FR2 inter-RAT measurements are supported by the UE and would configure the UE with measurement gaps. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | FR2 inter-RAT measurement gaps may be configured when they are otherwise unneeded. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 4.3.6.52 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS/TR 36.331 CR 5147 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Revision of R2-2505900. This revision adds LTE SA to the impacted architecture. | | | | | | | | |

*First Modified Subclause*

#### 4.3.6.52 *gaplessMeas-FR2-maxCC-r17*

This field defines whether the UE supports inter-RAT NR FR2 measurement without measurement gap as specified in clause 9.1.2 of TS 38.133 [37] while the number of configured serving cells is less than or equal to the indicated number. This field is applicable when only E-UTRA serving cells are configured. The UE reporting this field and supporting (NG)EN-DC shall not indicate support of *independentGapConfig* in *MeasAndMobParametersMRDC* within *UE-MRDC-Capability* (defined in TS 38.306 [32]).

*End of Changes*