**3GPP TSG-RAN WG4 Meeting #111**

**Fukuoka, Japan, May 20 – May 24, 2024**

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

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|  |
| ***Title:***  | draft CR to 38.133 on eEMR core requirements |
|  |  |
| ***Source to WG:*** | Nokia, Ericsson, Oppo |
| ***Source to TSG:*** | R4 |
|  |  |
| ***Work item code:*** | NR\_Mob\_Enh2-core |  | ***Date:*** |  |
|  |  |  |  |  |
| ***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:*** | Test cases for fast SCell setup requirements are missing. |
|  |  |
| ***Summary of change:*** | This CR clarifies the introduction section of the endorsed version of the specification. The CR is based on endorsed BigCR R4-2406513 from RAN4#110bisChanges introduced in RAN4 #111: **R4-2408670 (Nokia), R4-2407866 (Oppo)**Clarification on the following text: The requirements of measurement report for fast CA/DC setup apply in this clause for UE supporting [FG 39-8 **and/or** 39-9] and configured with *measReselectionCarrierListNR-r18* **and/or** *measIdleCarrierListNR-r16* and/or *measIdleCarrierListEUTRA-r16* by higher layers.The clarification The requirements of measurement report for fast CA/DC setup apply in this clause for:  - UE supporting [FG 39-8] and configured with *measIdleCarrierListNR-r16 and/*or *measIdleCarrierListEUTRA-r16* by higher layers. - UE supporting [FG-39-9] and configured with *measReselectionCarrierListNR-r18* higher layers.**Merging R4-2408757 (Ericsson):** Instead of using Feature Group terminology, change the terminology to “EMR” / “non-EMR” until RAN2 finalises the capability naming. [FG 39-8] to [Measurement validation based on EMR measurement][FG-39-9] to [Measurement validation based on non-EMR measurement] |
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| ***Consequences if not approved:*** | Specification remains unclear |
|  |  |
| ***Clauses affected:*** | 4.75.8 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  |  |  Other core specifications  |  |
| ***affected:*** |  |  |  Test specifications |  |
| ***(show related CRs)*** |  |  |  O&M Specifications |  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** | R4-2406513 |

Start of Change 1

4.7 Measurement report for fast CA/DC setup

4.7.1 Introduction

The requirements of measurement report for fast CA/DC setup apply in this clause for:

 - UE supporting [Measurement validation based on EMR measurement] and configured with *measIdleCarrierListNR-r16 and/*or *measIdleCarrierListEUTRA-r16* by higher layers.

 - UE supporting [Measurement validation based on non-EMR measurement] and configured with *measReselectionCarrierListNR-r18* higher layers.

A UE supporting [Measurement validation based on EMR measurement] and *idleInactiveNR-MeasReport-r16* or *idleInactiveEUTRA-MeasReport-r16* shall report based on the idle mode measurement specified in clause 4.4, and according to the measurement reporting requirements specified in clause 4.7.3.

A UE supporting [Measurement validation based on non-EMR measurement] shall report based on the idle mode measurement requirements specified in the clause 4.2.2, and according to the measurement reporting requirements specified in the clause 4.7.3.

UE is not required to report for fast CA/DC setup from any measurements during IDLE mode for carriers which are not configured by higher layers.

4.7.2 Void

4.7.3 Measurement Report Requirements

A UE shall perform validity check and report valid measurement results:

- if the UE is supporting [Measurement validation based on EMR measurement] and *measIdleValidityDuration-r18* is configured for carriers in *measIdleCarrierListNR-r16* or *measIdleCarrierListEUTRA-r16*,

- if the UE is supporting [Measurement validation based on non-EMR measurement] and *measReselectionValidityDuration-r18* is configured for carriers in *measReselectionCarrierListNR-r18*

The measurement results are considered valid if the following conditions are met for the validity check:

- the measurements are performed before msg1 transmission for RRC resume/setup request within the last:

 - *measIdleValidityDuration-r18* seconds for carriers configured in *measIdleCarrierListNR-r16* or *measIdleCarrierListEUTRA-r16*, and/or

 - *measReselectionValidityDuration-r18* seconds for carriers configured in *measReselectionCarrierListNR-r18*,

- the measurement results satisfy measurement accuracy requirement at the measurement instance.

Otherwise, the measurement results are considered invalid. The UE shall not report invalid measurement results when *measIdleValidityDuration-r18* and/or *measReselectionValidityDuration-r18* is configured.

If the *measIdleValidityDuration-r18* is not configured, the UE is not required to perform validity check for carriers in *measIdleCarrierListNR-r16* and *measIdleCarrierListEUTRA-r16,* and the UE may report measurement results given the measurement results satisfy measurement accuracy requirement at the measurement instance.

If the *measReselectionValidityDuration-r18* is not configured, the UE is not required to perform validity check for carriers configured in *measReselectionCarrierListNR-r18,* and the UE may report measurement results given the measurement results satisfy measurement accuracy requirement at the measurement instance.

RSRP, RSRQ measurements contained in the measurement reports shall meet the corresponding accuracy requirements at the measurement instance specified in the clauses 10.1.2B, 10.1.3B, 10.1.4B, 10.1.5B, 10.1.7B, 10.1.8B, 10.1.9B, 10.1.10B.

End of Change 1

Start of Change 2

5.8 Measurement report for fast CA/DC setup

5.8.1 Introduction

The requirements of measurement report for fast CA/DC setup apply in this clause for:

 - UE supporting [Measurement validation based on EMR measurement] and configured with *measIdleCarrierListNR-r16 and/*or *measIdleCarrierListEUTRA-r16* by higher layers.

 - UE supporting [Measurement validation based on non-EMR measurement] and configured with *measReselectionCarrierListNR-r18* higher layers.

A UE supporting [Measurement validation based on EMR measurement] and *idleInactiveNR-MeasReport-r16* or *idleInactiveEUTRA-MeasReport-r16* shall report based on the inactive mode measurement specified in the clause 5.4 , and according to the measurement reporting requirements specified in the clause 5.8.3.

A UE supporting [Measurement validation based on non-EMR measurement] shall report based on the inactive-mode cell re-selection requirements specified in clause 5.1.2, and according to the measurement reporting requirements specified in the clause 5.8.3.

UE is not required to report for fast CA/DC setup from any measurements during INACTIVE mode for carriers which are not configured by higher layers.

5.8.2 Void

5.8.3 Measurement Report Requirements

The requirements in clause 4.7.3 shall apply.

End of Change 2