**3GPP TSG- Meeting #**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network |  |

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| ***Title:*** |  | | | | | | | | | |
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| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
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| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
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| ***Category:*** |  |  | | | | | ***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)* | |
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| ***Reason for change:*** | |  | | | | | | | | |
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| ***Summary of change:*** | | CR implements the following agreements:  Agreement:   * In FR1, when CSI-RS based L1 measurement does not cause scheduling restriction, no need to consider restriction on measurement timing configuration. * In FR2, or in FR1 when CSI-RS based L1 measurement would cause scheduling restriction:   + All CSI-RS resources on [one intra-frequency layer] are configured within up to two separate windows where each window is up to [5 ms]   Agreement:  - From RAN4 perspective,   * n Not to define RAN4 requirements for L1 measurement with gap for CSI-RS based L1 measurement on neighbor cell. * Not to define RAN4 requirements for RTD > CP. | | | | | | | | |
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| ***Consequences if not approved:*** | | RRM requirements for NR mobility enhancements Phase 4 would be incomplete | | | | | | | | |
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| ***Clauses affected:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | |  | | |
| ***affected:*** | |  | **x** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**<<Start of change>>**

9.14a CSI-RS based Intra-frequency L1-RSRP measurements for neighbor cell

9.14a.2 Requirements Applicability

The requirements in the clause 9.14a are applicable to FR1 and FR2-1 for LTM.

The requirements in clause 9.14a apply for CSI-RS L1-RSRP measurements for configured LTM candidate cell, provided the following conditions are met:

- The cell is known,

- The CSI-RS L1-RSRP measurement is configured as periodic CSI-RS or semi-persistent CSI-RS measurement, and

- at least 48 RBs of the CSI-RS configured for measurement is within the active BWP, and

- repetition is set to “OFF” or not configured.

- UE observed RTD <= CP

- All CSI-RS resources are configured within up to two separate windows where each window is up to 5 ms

- When the configured CSI-RS based L1 RSRP measurement for LTM candidate cell doesn‘t exceeding UE measurement capability.

**<<End of change>>**