**3GPP TSG- Meeting #**

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| *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)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network |  |

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|  |
| ***Title:***  |  |
|  |  |
| ***Source to WG:*** |  |
| ***Source to TSG:*** |  |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***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 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:*** |  |
|  |  |
| ***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>>**