**3GPP TSG-RAN4 Meeting #116  *R4-2510174***

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

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.133** | **CR** |  | **rev** |  | **Current version:** | **19.1.0** |  |
|  | | | | | | | | |
| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)*** *on using this form: comprehensive instructions can be found at  <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:*** | DraftCR on measurement period for L1-SRS-RSRP measurement | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | CMCC | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_duplex\_evo-Core | | | | |  | ***Date:*** | | | 2025-08-14 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Adding measurement restriction for the case that measurement resources for L1-SRS-RSRP and L1-CLI-RSSI are partially or fully overlapping. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Adding measurement restriction for the case that measurement resources for L1-SRS-RSRP and L1-CLI-RSSI are partially or fully overlapping. | | | | | | | | |
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| ***Consequences if not approved:*** | | The spec are not completed. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 9.x.2.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | | **X** |  | Test specifications | | | | TS 38.533 | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

## << Start of 1st change >>

9.x.2.5 L1-SRS-RSRP measurement period

The UE shall be capable of performing L1-SRS-RSRP measurement based on the configured SRS resource. For periodic and semi-persistent SRS resource, the UE shall be capable of reporting L1-SRS-RSRP measured over measurement period of TL1\_SRS\_RSRP\_measurement\_period for FR1 and FR2.

For the value of L1,

1> If UE does not support *supportSBFD* or SBFD is not configured by the network

2> L1=0

1> else if UE supports *supportSBFD* and SBFD is configured by the network

2> if higher layer parameter *timeRestrictionForChannelMeasurement* is configured

3> L1=0

2> else

3> if UE is configured to report L1-SRS-RSRP for SBFD symbols

4> When DRX is not configured, L1 is the number of occasions of the L1-SRS-RSRP resource that are overlapping with non-SBFD symbols during TL1-SRS-RSRP\_measurement\_period

4> When DRX is configured, L1 is the number of DRX cycles in which at least one occasion of the L1-SRS-RSRP resource is overlapping with non-SBFD symbols during TL1-SRS-RSRP\_measurement\_period

3> if UE is configured to reportL1-SRS-RSRP for non-SBFD symbols

4> When DRX is not configured, L1 is the number of occasions of the L1-SRS-RSRP resource that are overlapping with SBFD symbols, during TL1-SRS-RSRP\_measurement\_period

4> When DRX is configured, L1 is the number of DRX cycles in which at least one occasion of theL1-SRS-RSRP resource is overlapping with SBFD symbols, during TL1-SRS-RSRP\_measurement\_period

**Table 9.x.2.5‑1 Measurement period TL1\_SRS\_RSRP\_measurement\_period**

|  |  |
| --- | --- |
| **Configuration** | **TL1\_SRS\_measurement\_period (ms)** |
| No DRX | Max(TReport, (M +L1) X TSRS) |
| DRX cycle ≤ 320 ms | Max(TReport, Ceil(1.5 X (M +L1)) X max(TSRS, TDRX)) |
| DRX cycle > 320 ms | (M +L1) X TDRX |
| NOTE 1: TSRS is SRS measurement periodicity configured *SRS-PeriodicityAndOffset*, and TDRX is the DRX cycle length. TReport is configured periodicity for reporting.  NOTE 2: M=1 if higher layer parameter *timeRestrictionForChannelMeasurement* is configured, and M=3 otherwise. | |

If the SRS resources configured for measurement are partially or fully overlapping with SMTC window, SSB or CSI-RS configured for RLM, BFD, CBD or L1-RSRP measurement or measurement gaps, requirements are not specified for TL1\_SRS\_RSRP\_measurement\_period.

A UE does not expect to be configured with L1-CLI-RSSI measurements resources within an UL subband and L1-SRS-RSRP measurement resources on the same symbol. When measurement resources for L1-SRS-RSRP and L1-CLI-RSSI are partially or fully overlapping, it is up to UE implementation whether to measure L1-SRS-RSRP or L1-CLI-RSSI.

<< End of 1st change >>