**3GPP TSG-RAN4 Meeting #116bisR4-2513700**

**Prague, Czech Republic, Oct. 13-17, 2025**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.133** | **CR** | Draft | **rev** | - | **Current version:** | **19.2.0** |  |
|  | | | | | | | | |
| *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 |  | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | DraftCR on core requirements maintenance for Rel-19 MIMO UEIEBM | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | vivo | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_MIMO\_Ph5-Core | | | | |  | ***Date:*** | | | 2025-09-10 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The changes are based on the Big CR R4-2509238.  The current description about the differentiation between SSB-based L1-RSRP and CSI-RS based L1-RSRP are confusing by saying “if the SS/PBCH block which is QCLed with the reference signal in the indicated TCI state is based on SSB”. Instead, the description in RAN1 spec (TS 38.214 5.2.1.5.4) shall be adopated. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Update the conditions for differentaiton between SSB-based L1-RSRP and CSI-RS based L1-RSRP requirements. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The requirements are not clear. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 9.5.3.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **x** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

## <Start of Change 1>

9.5.3.4 Event Triggered Reporting for the UE initiated beam management

For a UE configured with a *CSI-ReportConfig* with *eventType-r19* and with *dl-OrJointTCI-StateList*，with or without *eventDetectionTimeWindowLength-r19* configuration, the reported L1-RSRP measurements contained in an event triggered L1-RSRP measurement report shall meet the requirements in clauses 10.1.19 for FR1 and 10.1.20 for FR2, respectively.

The UE shall not send any event triggered measurement reports if no reporting criteria is fulfilled.

When *eventDetectionTimeWindowLength-r19* is not configured,

The event triggered L1-RSRP measurement reporting delay is defined as the time between an event that will trigger a measurement report and the point when the UE transmits first PUCCH over the air interface. The event triggered measurement reporting delay shall be no larger than TL1-meas\_basic + Tfirst\_UL\_channel, where:

TL1-meas\_basic is the maximum of L1-RSRP measurement periods of the reference signals of the beams corresponding to the event

For a UE configured with a CSI-ReportConfig with the higher layer parameter *eventType-r19* set to ‘event2’, UE shall perform L1-RSRP measurement based on the L1-RSRP measurement period of current beam and new beam(s), respectively.

For a UE configured with a CSI-ReportConfig with the higher layer parameter *eventType-r19* set to ‘event1’, UE shall perform L1-RSRP measurement based on current beam L1-RSRP measurement period.

As defined in clause 5.2.1.5.4 TS 38.214 [26], if *newBeamResourceSet* is a *CSI-SSB-ResourceSet*:

* the L1-RSRP measurement period of the current beam refers to TL1-RSRP\_Measurement\_Period\_SSB as specified in table 9.5.4.1-1 or 9.5.4.1-2 assuming TReport. = 0, and TSSB is the periodicity of the *SSB-Index* of the reference signal in the indicated TCI state or the SS/PBCH block which is QCLed with the reference signal in the indicated TCI state for the current beam.
* the L1-RSRP measurement period of the new beam refers to TL1-RSRP\_Measurement\_Period\_SSB as specified in table 9.5.4.1-1 or 9.5.4.1-2 assuming TReport. = 0, and TSSB is the periodicity of the *SSB-Index* of the reference signal configured by the *newBeamResourceSet-r19*.

As defined in clause 5.2.1.5.4 TS 38.214 [26], if *newBeamResourceSet* is a *NZP-CSI-RS-ResourceSet* configured with *repetition*:

* the L1-RSRP measurement period of the current beam refers to TL1-RSRP\_Measurement\_Period\_CSI-RS as specified in table 9.5.4.2-1 or 9.5.4.2-2 assuming TReport. = 0, and TCSI-RS is the periodicity of the reference signal in the indicated TCI state for the current beam.
* the L1-RSRP measurement period of the new beam refers to TL1-RSRP\_Measurement\_Period\_CSI-RS as specified in table 9.5.4.2-1 or 9.5.4.2-2 assuming TReport. = 0, and TCSI-RS is the periodicity of the the reference signal configured by the *newBeamResourceSet-r19* for new beams.

For a UE configured with a *CSI-ReportConfig* with the higher layer parameter *eventType-r19* set to ‘event7’, UE shall perform L1-RSRP measurement based on L1-RSRP measurement period of the beams in active TCI state list and new beams.

As defined in clause 5.2.1.5.4 TS 38.214 [26], if *newBeamResourceSet* is a *CSI-SSB-ResourceSet*:

* the L1-RSRP measurement period of each beam of activated TCI states refers to TL1-RSRP\_Measurement\_Period\_SSB as specified in table 9.5.4.1-1 or 9.5.4.1-2 assuming TReport. = 0, and TSSB is the periodicity of the *SSB-Index* of the reference signal in the activated TCI states or the SS/PBCH block which is QCLed with the reference signal in the activated TCI states.
* the L1-RSRP measurement period of the new beam refers to TL1-RSRP\_Measurement\_Period\_SSB as specified in table 9.5.4.1-1 or 9.5.4.1-2 assuming TReport. = 0, and TSSB is the periodicity of the *SSB-Index* of the reference signal configured by the *newBeamResourceSet-r19*.

As defined in clause 5.2.1.5.4 TS 38.214 [26], if *newBeamResourceSet* is a *NZP-CSI-RS-ResourceSet* configured with *repetition*:

* the L1-RSRP measurement period of each beam of activated TCI states refers to TL1-RSRP\_Measurement\_Period\_CSI-RS as specified in table 9.5.4.2-1 or 9.5.4.2-2 assuming TReport. = 0, and TCSI-RS is the periodicity of the reference signal in the activated TCI states.
* the L1-RSRP measurement period of the new beam refers to TL1-RSRP\_Measurement\_Period\_CSI-RS as specified in table 9.5.4.2-1 or 9.5.4.2-2 assuming TReport. = 0, and TCSI-RS is the periodicity of the the reference signal configured by the *newBeamResourceSet-r19* for new beams.

Tfirst UL channel is from the time point at RS which triggered the L1 reporting to the time point at next PUCCH transmission occasion

## <End of Change 1>