**3GPP TSG-RAN WG1 Meeting #103eR1-200xxxx**

**e-Meeting, October 26th – November 13th, 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **38.215** | **CR** | **DRAFT** | **rev** |  | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | Alignment of RRC parameter names | | | | | | | | | |
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| ***Source to WG:*** | Intel Corporation | | | | | | | | | |
| ***Source to TSG:*** | R1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | | 2020-10-15 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
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| ***Reason for change:*** | | Aligning RRC parameter names in TS 38.215 with ASN.1 in TS 38.331 v16.2.0. Other editorial corrections. | | | | | | | | |
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| ***Summary of change:*** | | Updated RRC parameter names. | | | | | | | | |
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| ***Consequences if not approved:*** | | Parameter names are not aligned between TS 38.215 and TS 38.331. | | | | | | | | |
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| ***Clauses affected:*** | | 5.1.6, 5.1.26, 5.1.27 | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
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| ***This CR's revision history:*** | |  | | | | | | | | |

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### 5.1.6 CSI signal-to-noise and interference ratio (CSI-SINR)

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| **Definition** | CSI signal-to-noise and interference ratio (CSI-SINR), is defined as the linear average over the power contribution (in [W]) of the resource elements carrying CSI reference signals divided by the linear average of the noise and interference power contribution (in [W]). If CSI-SINR is used for L1-SINR reporting with dedicated interference measurement resources, the interference and noise is measured over resource(s) indicated by higher layers as described in TS 38.214 [6]. Otherwise, the interference and noise are measured over the resource elements carrying CSI reference signals within the same frequency bandwidth.  For CSI-SINR determination CSI reference signals transmitted on antenna port 3000 according to TS 38.211 [4] shall be used. If CSI-SINR is used for L1-SINR, CSI reference signals transmitted on antenna ports 3000, 3001 can be used for CSI-SINR determination.  For intra-frequency CSI-SINR measurements not used for L1-SINR reporting, if the measurement gap is not configured, UE is not expected to measure the CSI-RS resource(s) outside of the active downlink bandwidth part.  For frequency range 1, the reference point for the CSI-SINR shall be the antenna connector of the UE. For frequency range 2, CSI-SINR shall be measured based on the combined signal from antenna elements corresponding to a given receiver branch. For frequency range 1 and 2, if receiver diversity is in use by the UE, the reported CSI-SINR value shall not be lower than the corresponding CSI-SINR of any of the individual receiver branches. |
| **Applicable for** | If CSI-SINR is used for L1-SINR,  RRC\_CONNECTED intra-frequency.  Otherwise,  RRC\_CONNECTED intra-frequency,  RRC\_CONNECTED inter-frequency |

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### 5.1.26 Sidelink channel occupancy ratio (SL CR)

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| **Definition** | Sidelink Channel Occupancy Ratio (SL CR) evaluated at slot *n* is defined as the total number of sub-channels used for its transmissions in slots [*n-a*, *n-1*] and granted in slots [*n*, *n+b*] divided by the total number of configured sub-channels in the transmission pool over [*n-a*, *n+b*]. |
| **Applicable for** | RRC\_IDLE intra-frequency,  RRC\_IDLE inter-frequency,  RRC\_CONNECTED intra-frequency,  RRC\_CONNECTED inter-frequency |

NOTE 1: *a* is a positive integer and *b* is 0 or a positive integer; *a* and *b* are determined by UE implementation with *a+b+1 =* 1000 or 1000·2µ slots, according to higher layer parameter *sl-TimeWindowSizeCR-r16*, b < (a+b+1)/2, and n+b shall not exceed the last transmission opportunity of the grant for the current transmission.

NOTE 2: SL CR is evaluated for each (re)transmission.

NOTE 3: In evaluating SL CR, the UE shall assume the transmission parameter used at slot *n* is reused according to the existing grant(s) in slot [*n+1*, *n+b*] without packet dropping.

NOTE 4: The slot index is based on physical slot index.

NOTE 5: SL CR can be computed per priority level

NOTE 6: A resource is considered granted if it is a member of a selected sidelink grant as defined in TS 38.321 [7].

### 5.1.27 Sidelink channel busy ratio (SL CBR)

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| **Definition** | SL Channel Busy Ratio (SL CBR) measured in slot *n* is defined as the portion of sub-channels in the resource pool whose SL RSSI measured by the UE exceed a (pre-)configured threshold sensed over a CBR measurement window [*n*-*a*, *n*-1], wherein *a* is equal to 100 or 100·2µ slots, according to higher layer parameter *sl-TimeWindowSizeCR-r16*. |
| **Applicable for** | RRC\_IDLE intra-frequency,  RRC\_IDLE inter-frequency,  RRC\_CONNECTED intra-frequency,  RRC\_CONNECTED inter-frequency |

NOTE 1: The slot index is based on physical slot index.

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