**3GPP TSG-RAN WG1 Meeting #117R1-240xxxx**

Fukuoka City, Fukuoka, Japan, May 20th – 24th, 2024

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **38.214** | **CR** | **xxxx** | **rev** | **-** | **Current version:** | **18.2.0** |  |
|  |
| *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)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:***  | Correction on priority for LTM CSI report |
|  |  |
| ***Source to WG:*** | Moderator (Fujitsu), Ericsson, Huawei, HiSilicon[, Google, Nokia] |
| ***Source to TSG:*** |  |
|  |  |
| ***Work item code:*** | NR\_Mob\_enh2 |  | ***Date:*** | 2024-05-23 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-18 |
|  | *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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)Rel-20 (Release 20)* |
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| ***Reason for change:*** | RAN1 has agreed that LTM CSI reports have higher priority than CSI reports. This has been captured in 38.214, with an explicit statement A CSI report configured with *LTM-CSI-ReportConfig* has a higher priority over all CSI report(s) configured with *CSI-ReportConfig* However, 38.213 states that …the UE selects  CSI report(s) for transmission together with HARQ-ACK information and SR, when any, in ascending priority value as described in [6, TS 38.214].Hence, 38.213 assumes that the priority value is a single numerical value, which is inconsistent with the current definition in 38.214. Therefore, we propose that the priority calcuation is merged so that it produces a single numerical value for both CSI and LTM CSI report |
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| ***Summary of change:*** | Clarify the prioritization rules for CSI/LTM CSI reports |
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| ***Consequences if not approved:*** | Unclear prioritization rules for LTM CSI reports |
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| ***Clauses affected:*** | 5.2.5 |
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|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **N** |  Other core specifications  |  |
| ***affected:*** |  | **N** |  Test specifications |  |
| ***(show related CRs)*** |  | **N** |  O&M Specifications |  |
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| ***Other comments:*** | **Isolated Impact Analysis:**This CR has no isolated impact on network and UE behavior. |
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| ***This CR's revision history:*** | This is the first version |

### 5.2.5 Priority rules for CSI reports

For two overlapping PUSCHs, the priority rules in this clause are applied for physical channels with same priority index according to clause 9 in [6, TS 38.213] if a UE is not configured with *enableSTx2PofmDCI* or a UE is configured by higher layer parameter *PDCCH-Config* that contains two different values of *coresetPoolIndex* in *ControlResourceSet* and the UE is configured with *enableSTx2PofmDCI* and the two overlapping PUSCHs are associated with same value of *coresetPoolIndex*.

CSI reports are associated with a priority value where

-  for aperiodic CSI reports to be carried on PUSCH  for semi-persistent CSI reports to be carried on PUSCH,  for semi-persistent CSI reports to be carried on PUCCH and  for periodic CSI reports to be carried on PUCCH;

-  for CSI reports carrying L1-RSRP or L1-SINR and  for CSI reports not carrying L1-RSRP or L1-SINR;

- *c* is the serving cell index and is the value of the higher layer parameter *maxNrofServingCells*;

- *s* is the *reportConfigID* andis the value of the higher layer parameter *maxNrofCSI-ReportConfigurations.*

If a UE is configured with both *csi-ReportConfigToAddModList* and *ltm-CSI-ReportConfigToAddModList*, the CSI reports are associated with a priority value where

- for a CSI report configured with *LTM-CSI-ReportConfig* and for a CSI report configured with *CSI-ReportConfig*

-  for aperiodic CSI reports to be carried on PUSCH  for semi-persistent CSI reports to be carried on PUSCH,  for semi-persistent CSI reports to be carried on PUCCH and  for periodic CSI reports to be carried on PUCCH;

-  for CSI reports carrying L1-RSRP or L1-SINR and  for CSI reports not carrying L1-RSRP or L1-SINR;

- *c* is the serving cell index and is the value of the higher layer parameter *maxNrofServingCells*;

- for a CSI report configured with *LTM-CSI-ReportConfig*, *c* is the serving cell index value where the report configuration is configured.

- *s* is the *reportConfigID* and *,* whereis the value of the higher layer parameter *maxNrofCSI-ReportConfigurations* and is the value of the higher layer parameter *maxNrofLTM-CSI-ReportConfigurations.*

A first CSI report is said to have priority over second CSI report if the associated value is lower for the first report than for the second report.

Two CSI reports are said to collide if the time occupancy of the physical channels scheduled to carry the CSI reports overlap in at least one OFDM symbol and are transmitted on the same carrier. When a UE is configured to transmit two colliding CSI reports,

- if *y* values are different between the two CSI reports, the following rules apply except for the case when one of the *y* value is 2 and the other *y* value is 3 (for CSI reports transmitted on PUSCH, as described in Clause 5.2.3; for CSI reports transmitted on PUCCH, as described in Clause 5.2.4):

- The CSI report with higher value shall not be sent by the UE.

- otherwise, the two CSI reports are multiplexed or either is dropped based on the priority values, as described in Clause 9.2.5.2 in [6, TS 38.213].

## <unchanged part omitted>