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

**Fukuoka City, Fukuoka, Japan, May 20th-24th, 2024**

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| *CR-Form-v12.3* | | | | | | | | |
| **DRAFT CHANGE REQUEST** | | | | | | | | |
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|  | **38.214** | **CR** | **---** | **rev** | **---** | **Current version:** | **18.2.0** |  |
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| *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 | **X** | Core Network |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | | | | | | | | | | | | ***Title:*** | Corrections for Referencing UE Capabilities for 8TX UE | | | | | | | | | | |  |  | | | | | | | | | | | ***Source to WG:*** | Moderator (InterDigital), Ericsson, Samsung | | | | | | | | | | | ***Source to TSG:*** | --- | | | | | | | | | | |  |  | | | | | | | | | | | ***Work item code:*** | NR\_MIMO\_evo\_DL\_UL-Core | | | | |  | ***Date:*** | | | 2024-05-19 | |  |  | | | |  | |  | | |  | | ***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 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:*** | | * According to 38.306 v18.0, UE capabilities for 8 antenna port codebooks are ‘codebook1-8TxPUSCH-r18’ (support for one of two codebooks with values n4-1 and n2-2), ‘codebook2-8TxPUSCH-r18’, ‘codebook3-8TxPUSCH-r18’, and ‘codebook4-8TxPUSCH-r18’, and there is no capability named ‘UL\_8TX\_Ng’. | | | | | | | | | |  | |  | | | | | | | | | | ***Summary of change:*** | | * Removing the reference to ‘UL\_8TX\_Ng’, and revise the text that UE should expect to be configured according its reported capabilities, which addresses both the number of port groups and the supported codebooks. | | | | | | | | | |  | |  | | | | | | | | | | ***Consequences if not approved:*** | | * Incorrect referencing to a non-existing capability. | | | | | | | | | |  | |  | | | | | | | | | | ***Clauses affected:*** | | 6.1.1.1 | | | | | | | | | |  | |  | | | | | | | | | |  | | **Y** | **N** |  | | | |  | | | | ***Other specs*** | |  | **N** | Other core specifications | | | | TS/TR ... CR ... | | | | ***affected:*** | |  | **N** | Test specifications | | | | TS/TR ... CR ... | | | | ***(show related CRs)*** | |  | **N** | O&M Specifications | | | | TS/TR ... CR ... | | | |  | |  | | | | | | | | | | ***Other comments:*** | |  | | | | | | | | | |  | |  | | | | | | | | | | ***This CR's revision history:*** | |  | | | | | | | | |  |  | | --- | | 6.1.1.1 Codebook based UL transmission  -------------------------------------------Unchanged parts are omitted-------------------------------------------  A UE does not expect to be configured ~~by~~ *~~CodebookTypeUL~~* with a value of *CodebookTypeUL* that does not correspond to one of the values ~~of~~ *~~UL\_8TX\_Ng~~* reported in its capability for codebook based transmission with eight antenna ports.  -------------------------------------------Unchanged parts are omitted------------------------------------------- | | | | | | | | | |
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