**3GPP TSG-RAN4 Meeting #111 *R4-2408304***

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

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.101-2** | **CR** | **0739** | **rev** | **-** | **Current version:** | **17.13.0** |  |
|  | | | | | | | | |
| *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 |  | Core Network |  |

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| ***Title:*** | CR for TS 38.101-2 Rel-17 clarification on Redcap Applicability in FR2 power classes | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Sony, Qualcomm Incorporated | | | | | | | | | |
| ***Source to TSG:*** | RAN4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_redcap | | | | |  | ***Date:*** | | | 2024-05-13 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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 note in Table 6.2.1.0-1 “RedCap variants of non-RedCap UEs are not precluded” is intend to enble Redcap variants of power class 1-6 if they can fullfil the corresponding RF requirements defined for each power class. However, the current wording in the note brings some ambiguity on this apsect | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Changing wording of the note in Table 6.2.1.0-1 to “any power classes in FR2 can be used for Redcap type devices as long as the device can meet the core requirements defined for the corresponding power class” | | | | | | | | |
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| ***Consequences if not approved:*** | | Some ambiguity on the applicability of Redcap on FR2 power class 1-6 exsits. | | | | | | | | |
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| ***Clauses affected:*** | | 6.2.1.0 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 changed section >>>

#### 6.2.1.0 General

NOTE: Power classes are specified based on the assumption of certain UE types with specific device architectures. The UE types can be found in Table 6.2.1.0-1.

Table 6.2.1.0-1: Assumption of UE Types

|  |  |
| --- | --- |
| UE Power class | UE type |
| 1 | Fixed wireless access (FWA) UE |
| 2 | Vehicular UE |
| 3 | Handheld UE |
| 4 | High power non-handheld UE |
| 5 | Fixed wireless access (FWA) UE |
| 6 | High Speed Train Roof-Mounted UE |
| 7 | RedCap UE |
| Note: Any power class can be used for Redcap type devices as long as the device can meet the core requirements that are applicable to Redcap devices as defined in clause 4.2.21.1 from TS38.306 [14] | |

Power class 3 is default power class.

<<< End of changed section >>>