**3GPP TSG-WG4 Meeting #111 *R4-2408210***

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

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.106** | **CR** | **0073** | **rev** | **1** | **Current version:** | **18.4.0** |  |
|  | | | | | | | | |
| *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 |  | Radio Access Network | **x** | Core Network |  |

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| ***Title:*** | CR to 38.106: Correction on clause titles for NCR-MT requirements | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | NEC | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_netcon\_repeater-Core | | | | |  | ***Date:*** | | | 2024-5-13 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | In 38.106, generally, clauses 6.2 to 6.10 are asigned to conducted requirements for RF repeater and NCR-Fwd. Clauses 6.11 to 6.22 are asigned to conducted requirements for NCR-MT. For some conducted requirements for NCR-MT, suffix “conducted” is added to the clause titles. However, it may lead to confusion. requirements for NCR-MT. Alternatively, we propose to add “for NCR-MT” instead.  Similarly we propose to add “NCR-MT” for OTA requiremetns for NCR-MT. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add clarification text in general clauses in 6.1 and 7.1.  Add “for NCR-MT” to clause title for NCR-MT requirements.  Remove “Conducted” from clause title for conducted NCR-MT requirements. | | | | | | | | |
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| ***Consequences if not approved:*** | | Clause titles for NCR-MT requirements are not clear. It may lead to confusions. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1, 6.11, 6.12, 6.13, 6.15, 6.16, 6.17, 6.18, 6.19, 6.20, 6.21, 7.1, 7.10, 7.11, 7.12, 7.13, 7.14, 7.15, 7.16, 7.17, 8, 9 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Resubmission of the postponed draft CR R4-2406138. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Removed the text in 6.1, “Clauses 6.2 to 6.10 apply to the RF repeater and NCR-Fwd. Clauses 6.11 to 6.24 apply to NCR-MT.”  Removed the text in 7.1, “Clauses 7.2 to 7.9 apply to RF repeater and NCR-Fwd. Clauses 7.10 to 7.19 apply to NCR-MT.”. | | | | | | | | |

**--------------Start of change-------------**

# 6 Conducted characteristics

## 6.1 General

Unless otherwise stated, the conducted transmitter characteristics are specified at:

* *antenna connector* for *repeater type 1-C* and *NCR type 1-C* (including Fwd and MT interfaces) configuration,
* *TAB connector* for *NCR type 1-H* (including Fwd and MT interfaces)in normal operating conditions.

Requirements apply in both DL and UL unless otherwise stated or declared.

For the DL the *antenna connector* or the *TAB connector* on the BS side is the input and the *antenna connector* or the *TAB connector* on the UE side is the output.

For the UL the *antenna connector* or the *TAB connector* on the UE side is the input and the *antenna connector* or the *TAB connector* on the BS side is the output.

**--------------Next change-------------**

## 6.11 Output power dynamics for NCR-MT

**--------------Next change-------------**

## 6.12 Transmit signal quality for NCR-MT

**--------------Next change-------------**

## 6.13 Transmit intermodulation for NCR-MT

**--------------Next change-------------**

## 6.15 Diversity characteristics for NCR-MT

**--------------Next change-------------**

## 6.16 Reference sensitivity for NCR-MT

**--------------Next change-------------**

## 6.17 Maximum input level for NCR-MT

**--------------Next change-------------**

## 6.18 Adjacent channel selectivity for NCR-MT

**--------------Next change-------------**

## 6.19 Blocking characteristics for NCR-MT

**--------------Next change-------------**

## 6.20 Transmitter spurious response for NCR-MT

**--------------Next change-------------**

## 6.21 Receiver intermodulation characteristics for NCR-MT

**--------------Next change-------------**

# 7 Radiated characteristics

## 7.1 General

Radiated characteristics are specified at RIB for *repeater type 2-O, NCR- type 1-H* (including Fwd and MT interfaces)*, NCR type 2-O* (including Fwd and MT interfaces)*,*. Requirements apply in both DL and UL unless otherwise stated or declared.

**--------------Next change-------------**

## 7.10 OTA output power dynamics for NCR-MT

**--------------Next change-------------**

## 7.11 OTA transmit signal quality for NCR-MT

**--------------Next change-------------**

## 7.12 Diversity characteristics for NCR-MT

**--------------Next change-------------**

## 7.13 OTA reference sensitivity for NCR-MT

**--------------Next change-------------**

## 7.14 OTA maximum input level for NCR-MT

**--------------Next change-------------**

## 7.15 OTA adjacent channel selectivity for NCR-MT

**--------------Next change-------------**

## 7.16 OTA blocking characteristics for NCR-MT

**--------------Next change-------------**

## 7.17 OTA spurious emissions for NCR-MT

**--------------Next change-------------**

# 8 Performance requirements for NCR-MT

**--------------Next change-------------**

# 9 Radiated performance requirements for NCR-MT

**--------------End of change-------------**