**3GPP TSG- Meeting #111 *R4-24***

**Fukuoka, Japan, 20 -**

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **38.870** | **CR** | **0008** | **rev** |  | **Current version:** |  |  |
|  |
| *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 to TR 38.870 to add CA combinations to section 4.3.5 and editorial corrections |
|  |  |
| ***Source to WG:*** | Huawei, HiSilicon |
| ***Source to TSG:*** | R4 |
|  |  |
| ***Work item code:*** | NR\_FR1\_TRP\_TRS\_enh |  | ***Date:*** | 2024-05-08 |
|  |  |  |  |  |
| ***Category:*** | B |  | ***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)* |
|  |  |
| ***Reason for change:*** | In TR 38.870, section 4.3.5 has no content. RAN #102 agrees to add 2CC DL and 1CC UL CA combinations to this work item as recorded in RP-234064. Correct editorial errors in the note of Table 4.3.4-1. (Note: The content of this CR has been endorsed during RAN4 #110bis. This is a re-submission because RAN4 #110bis cannot approve CR) |
|  |  |
| ***Summary of change:*** | This CR adds relevant text and CA combinations to section 4.3.5, also editorial error correction for the note in Table 4.3.4-1. |
|  |  |
| ***Consequences if not approved:*** | CA combinations will not be defined under this work item. Editorial errors are not corrected. |
|  |  |
| ***Clauses affected:*** | 4.3.5 |
|  |  |
|  | **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 change >

### 4.3.5 CA band combinations

The principle of CA combination selection for FR1 TRP TRS OTA testing:

1. Limit CA combinations to the bands n1, n3, n5, n7, n8, n28, n77 and n79.
2. The selected CA combinations should not have MSD issue identified in TS 38.101-1 Section 7.3A.

The CA combinations for inter-band DL CA (two bands) with single UL are given in Table 4.3.5-1.

Table 4.3.5-1: Measurement parameters for example inter-band DL CA band combinations (two bands)

| CAconfiguration | Uplink configurations | NR configurations |
| --- | --- | --- |
| CA\_n1A-n79A | n1 | Note 1 |
| CA\_n3A-n28A | n28 | Note 1 |
| CA\_n3A-n79A | n3  | Note 1 |
| CA\_n7A-n28A | n28 | Note 1 |
| CA\_n7A-n77A | n7 | Note 1 |
| CA\_n28A-n79A | n28 | Note 1 |
| Note 1: As per Table 4.3.3-1 and Table 4.3.3-2 in this specification, NR Low Mid High ranges in one component carrier correspond to those in the other component carrier. |

The CA band combinations provided in this clause do not imply correspondence to any TRP TRS requirement.

< end of change >

< start of change >

Table 4.3.4-1: Measurement parameters for example inter-band EN-DC band combinations (two bands)

| EN-DCconfiguration | E-UTRA configurations | NR configurations |
| --- | --- | --- |
| DC\_3A\_n28A | Note1 | Note2 |
| DC\_2A\_n41A | Note1 | Note2 |
| DC\_1A\_n78A | Note1 | Note2 |
| DC\_1A\_n79A | Note1 | Note2 |
| Note 1: As per TS 37.544 [14], Clause 5.3 and 5.4 (Measurement frequencies for E-UTRA FDD and TDD).Note 2: As per Table 4.3.3-1 and Table 4.3.3-2 in this specification. The measurement parameters for NR Low Mid High ranges correspond to E-UTRA Low Mid High ranges respectively. |

< end of change >