**3GPP TSG-RAN WG2 Meeting #117 ElectronicR2-2203111**

**Electronic meeting, Feb. 21st – Mar. 3rd 2022**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **37.340** | **CR** | **0298** | **rev** | **-** | **Current version:** | **16.8.0** |  |
|  |
| *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:***  | Introduction of the support for UDC in NR |
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| ***Source to WG:*** | CATT, CMCC, Huawei, HiSilicon, MediaTek, Ericsson, China Unicom, China Telecom, OPPO, Samsung, Apple, Nokia, Nokia Shanghai Bell |
| ***Source to TSG:*** | R2 |
|  |  |
| ***Work item code:*** | NR\_UDC-Core |  | ***Date:*** | 2021-12 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | In 37.340 specification, it is clarifies that in MR-DC, RoHC can be configured for all the bearer types. With the introduction of NR UDC, it needs to be clarified to which beaer types NR UDC applies.  |
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| ***Summary of change:*** | 1. Clarify that UDC can be configured in MR-DC with 5GC for all bearer types. |
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| ***Consequences if not approved:*** | It is unclear to which beaer types NR UDC applies. |
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| ***Clauses affected:*** | 6.3 |
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|  | **Y** | **N** |  |  |
| ***Other specs*** | **X** |  |  Other core specifications  | TS 38.323 CR 0087TS 38.331 CR 2927TS 38.300 CR 0415 |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

*First Change*

## 6.3 PDCP Sublayer

In EN-DC, CA duplication (see [3]) can be applied in the MN and in the SN, but MCG bearer CA duplication can be configured only in combination with E-UTRAN PDCP and MCG bearer CA duplication can be configured only if DC duplication is not configured for any split bearer.

In NGEN-DC, CA duplication can only be configured for SCG bearer. In NE-DC, CA duplication can only be configured for MCG bearer. In NR-DC, CA duplication can be configured for both MCG and SCG bearers, and can be configured together with DC duplication.

In MR-DC, RoHC and EHC (as described in TS 36.323 [15] and TS 38.323 [16]) can be configured for all the bearer types. In MR-DC with 5GC, UDC (as described in TS 38.323 [16]) can be configured for all the bearer types.

*End of Change*