**3GPP TSG-RAN WG3 Meeting #115-eR3-222957**

**21 February – 3 March 2022**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **38.420** | **CR** | **0024** | **rev** | **2** | **Current version:** | **16.0.0** |  |
|  |
| *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:***  | RA-SDT BLCR to TS 38.420 |
|  |  |
| ***Source to WG:*** | Qualcomm Incorporated, Nokia, Nokia Shanghai Bell, ZTE, Intel Corporation |
| ***Source to TSG:*** | R3 |
|  |  |
| ***Work item code:*** | NR\_SmallData\_INACTIVE-Core |  | ***Date:*** |  2021-02-17 |
|  |  |  |  |  |
| ***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:*** | Feature support for RACH-based SDT. |
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| ***Summary of change:*** | Introduce the Small Data Transmission function in Xn. |
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| ***Consequences if not approved:*** | No support for Small Data Transmission and spec misalignment. |
|  |  |
| ***Clauses affected:*** |  |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** | **X** |  |  Other core specifications  | TS38.423 CR#0720, TS38.472 CR#0834, TS38.401 CR#0192 |
| ***affected:*** |  | **x** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **x** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** | r1: submitted for endorsement at RAN3#115-er2: includes TP from RAN3#115-3 (R3-222777) |

### 5.2.X Small data transmission function

This function supports small data transmission sessions in RRC\_INACTIVE both with and without anchor relocation, in case the UE is served by a new NG-RAN node.

#### 5.2.2.a Partial UE Context Transfer function

The Partial UE Context Transfer function is used for the last serving NG-RAN node to provide part of the UE Context to the receiving gNB.

//skip unchanged part

### 6.2.X Small data transmission procedures

Small data transmission procedures are used by the NG-RAN nodes to exchange SDT related information between the new serving NG-RAN node and the last serving NG-RAN node.

* Partial UE Context Transfer
* RRC Transfer
* Retrieve UE Context Confirm