**3GPP TSG-RAN WG1 #110R1-22xxxxx**

**Toulouse, France, August 22nd - 26th, 2022**

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| *CR-Form-v12.2* |
| **DRAFT CHANGE REQUEST** |
|  |
|  | **38.213** | **CR** | **-** | **rev** | **-** | **Current version:** | **17.2.0** |  |
|  |
| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)*** *on using this form: comprehensive instructions can be found at <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:***  | Corrections of redundancy version for SDT |
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| ***Source to WG:*** | Moderator(ZTE), vivo |
| ***Source to TSG:*** | R1 |
|  |  |
| ***Work item code:*** | NR\_SmallData\_INACTIVE-Core |  | ***Date:*** | 2022-08-24 |
|  |  |  |  |  |
| ***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 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)* |
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| ***Reason for change:*** | RAN2 has agreed to use RV0 for initial or autonomous retransmission of an initial TB in CG-SDT according to LS R2-2206828, which should be captured in RAN1 spec.*RAN2#117e agreements**=> For autonomous re-tx, fix the RV to be 0 for both the initial and retransmission of initial CG-SDT transmission.* |
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| ***Summary of change:*** | Capture that only RV0 is allowed for initial or autonomous retransmission of an initial TB in CG-SDT described in section 19.1 of 38.213.Add a reference of TS 38.300 in section 2 for definition of autonomous retransmission. |
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| ***Consequences if not approved:*** | RV can be different from RV0 for initial or autonomous retransmission of an initial TB in CG-SDT, which is not aligned with RAN2 agreement. |
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| ***Clauses affected:*** | 2, 19.1 |
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|  | **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:*** |  |

**< Unchanged text omitted >**

## 2 References

[19] 3GPP TS 38.300: "NR; NR and NG-RAN Overall Description"

**< Unchanged text omitted >**

## 19.1 Configured-grant based PUSCH transmission

**< Unchanged text omitted >**

A UE determines a power of a PUSCH transmission as described in clause 7.1.1, where the UE obtains $PL\_{b,f,c}(q\_{d})$ using a RS resource from an SS/PBCH block with index associated with the PUSCH transmission.

A UE can be provided a USS set by *sdt-CG-SearchSpace*, or a CSS set by *sdt-SearchSpace*, to monitor PDCCH for detection of DCI format 0\_0 with CRC scrambled by C-RNTI or CS-RNTI for scheduling PUSCH transmission or of DCI format 1\_0 with CRC scrambled by C-RNTI for scheduling PDSCH receptions [12, TS 38.331]. The UE may assume that the DM-RS antenna port associated with the PDCCH receptions, the DM-RS antenna port associated with the PDSCH receptions, and the SS/PBCH block associated with the PUSCH transmission are quasi co-located with respect to average gain and quasi co-location 'typeA' or 'typeD' properties. The UE transmits a PUCCH with HARQ-ACK information associated with the PDSCH receptions as described in clause 9.2.1 using a same spatial domain transmission filter as for the last PUSCH transmission.

For initial transmission or autonomous retransmission of an initial transport block provided for the PUSCH transmission as described in clause 18.0 in [19, TS 38.300], the UE encodes the transport block using redundancy version number 0.

**< Unchanged text omitted >**