**3GPP TSG RAN WG1 #106-e R1-210xxxx**

**e-Meeting, August 16th – 27th, 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **[Draft] CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** | **xxxx** | **rev** | **-** | **Current version:** |  |  |
|  | | | | | | | | |
| *For* [***HELP***](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:*** | Correction of SL HARQ-ACK reporting on UL for skipped DG | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Moderator (NTT DOCOMO, INC.) | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5G\_V2X\_NRSL-Core | | | | |  | ***Date:*** | | | 2021-08-17 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
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| ***Reason for change:*** | | 38.321 describes that SL DG is ignored when the corresponding HARQ buffer is empty, and that ACK is informed to PHY layer. However in 38.213, there is no description for this DG case while there is for CG case. UE behavior for this DG case is unclear in current specifications.  This correction is outcome of email discussion [106-e-NR-5G\_V2X-03]. | | | | | | | | |
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| ***Summary of change:*** | | UE transmits ACK if the UE does not transmit a PSCCH/PSSCH scheduled by dynamic grant. | | | | | | | | |
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| ***Consequences if not approved:*** | | UE would not report any HARQ-ACK information corresponding to ignored SL dynamic grant while MAC layer sends ACK to PHY layer. gNB would re-provide unnecessary SL grant. | | | | | | | | |
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| ***Clauses affected:*** | | 16.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

**<Unchanged parts omitted>**

16.5 UE procedure for reporting HARQ-ACK on uplink

**<Unchanged parts omitted>**

The UE generates an ACK if the UE does not transmit a PSCCH with a SCI format 1-A scheduling a PSSCH in any of the resources provided by a configured grant in a single period and for which the UE is provided a PUCCH resource to report HARQ-ACK information. The priority value of the ACK is same as the largest priority value among the possible priority values for the configured grant.

The UE generates an ACK as instructed by higher layers if the UE does not transmit a PSCCH with a SCI format 1-A scheduling a PSSCH in any of the resources provided by a DCI format 3\_0 and for which the UE is provided a PUCCH resource to report HARQ-ACK information. The priority value of the ACK is same as the largest priority value among the possible priority values for the dynamic grant.

**<Unchanged parts omitted>**