**3GPP T****SG-RAN WG1 Meeting #104-e R1-2102105**

**E-Meeting, January 25th – February 5th, 2021**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **38.213** | **CR** | **0198** | **rev** | **-** | **Current version:** | **16.4.0** |  |
|  |
| *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:***  | CR on number of PUCCHs with HARQ-ACK in a slot |
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| ***Source to WG:*** | Moderator (OPPO) |
| ***Source to TSG:*** |  |
|  |  |
| ***Work item code:*** | [NR\_L1enh\_URLLC-Core](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=830174) |  | ***Date:*** | 2021-02-04 |
|  |  |  |  |  |
| ***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 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-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
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| ***Reason for change:*** | Based on the current specification, it can be seen that UE can transmit only one PUCCH with HARQ-ACK in a slot or sub-slot. However, it was agreed that UE can transmit at most one PUCCH with HARQ-ACK in a sub-slot per priority index which aligns with the corresponding UE capabilities.  |
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| ***Summary of change:*** | Clarify that a UE does not expect to transmit more than one PUCCH with HARQ-ACK information in a slot per priority index.  |
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| ***Consequences if not approved:*** |  A UE may be expected to transmit more than one PUCCH with HARQ-ACK in a sub-slot per priority, which is inconsistent with UE capability. |
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| ***Clauses affected:*** | 9.2.3 |
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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 ...  |
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| ***Other comments:*** | **Isolated impact analysis:**This CR is based on RAN1’s common understanding, which has no impact on UE behavior.  |
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| ***This CR's revision history:*** |  |

**9.2.3 UE procedure for reporting HARQ-ACK**

A UE does not expect to transmit more than one PUCCH with HARQ-ACK information in a slot per priority index.

<Unchanged parts are omitted>