**3GPP TSG-RAN WG1 Meeting #110bis-eR1-221xxxx**

**e-Meeting, October 10– 19, 2022**

|  |
| --- |
| *CR-Form-v12.2* |
| **DRAFT CHANGE REQUEST** |
|  |
|  | **38.213** | **CR** | **xxxx** | **rev** |  | **Current version:** | **17.3.0** |  |
|  |
| *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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

|  |
| --- |
|  |
| ***Title:***  | Draft CR on HARQ-ACK feedback for PDSCH scheduled by DCI format 4\_1 |
|  |  |
| ***Source to WG:*** |  Moderator (Huawei), vivo, CATT, Lenovo |
| ***Source to TSG:*** | R1 |
|  |  |
| ***Work item code:*** | NR\_MBS-Core |  | ***Date:*** | 2022-10-12 |
|  |  |  |  |  |
| ***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)* |
|  |  |
| ***Reason for change:*** | When UE is configured with the higher layer parameter *harq-FeedbackEnabler-Multicast* indicating *dci-enabler*, for PDSCHs scheduled by DCI format 4\_1, it is unclear whether the UE needs to provide HARQ-ACK feedback for the PDSCHs given that there is no “ Enabling/disabling HARQ-ACK feedback indication” filed in DCI 4\_1. |
|  |  |
| ***Summary of change:*** | If a UE is provided *harq-FeedbackEnablerMulticast* with value set to '*dci-enabler*' for a G-RNTI or a G-CS-RNTI, the UE provides HARQ-ACK information for PDSCH receptions scheduled by multicast DCI format 4\_1 associated with the G-RNTI or the G-CS-RNTI, and determines whether or not to provide the HARQ-ACK information for PDSCH receptions scheduled by multicast DCI format 4\_2 based on an indication by the multicast DCI format 4\_2 associated with the G-RNTI or the G-CS-RNTI.  |
|  |  |
| ***Consequences if not approved:*** | UE behaviour regarding whether generating HARQ-ACK feedback is unclear for PDSCHs scheduled by DCI format 4\_1 when the higher layer parameter *harq-FeedbackEnabler-Multicast* indicates *dci-enabler*. |
|  |  |
| ***Clauses affected:*** | 18 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  |  |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  |  |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  |  |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

# 18 Multicast Broadcast Services

< Unchanged parts are omitted >

A UE can be configured per G-RNTI or per G-CS-RNTI, by *harq-FeedbackEnablerMulticast* with value set to 'enabled', to provide HARQ-ACK information for PDSCH receptions. When the UE is not provided *harq-FeedbackEnablerMulticast* for a G-RNTI or G-CS-RNTI, the UE does not provide HARQ-ACK information for respective PDSCH receptions. If a UE is provided *harq-FeedbackEnablerMulticast* with value set to 'dci-enabler' for a G-RNTI or a G-CS-RNTI, the UE provides HARQ-ACK information for PDSCH receptions scheduled by multicast DCI format 4\_1 associated with the G-RNTI or the G-CS-RNTI, and determines whether or not to provide the HARQ-ACK information for PDSCH receptions scheduled by multicast DCI format 4\_2 based on an indication by the multicast DCI format 4\_2 associated with the G-RNTI or the G-CS-RNTI [4, TS 38.212].

< Unchanged parts are omitted >