3GPP TSG-RAN WG2 Meeting #127 Draft R2-2407737

Maastricht, Netherlands, Aug 18th – 23rd, 2024

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** | **XYZ** | **rev** | - | **Current version:** | **18.2.0** |  |
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| *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:***  | MAC Correction for MBS |
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| ***Source to WG:*** | Samsung, Apple |
| ***Source to TSG:*** | R2 |
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| ***Work item code:*** | NR\_MBS\_enh-Core |  | ***Date:*** | 2024-08-23 |
|  |  |  |  |  |
| ***Category:*** | ***F*** |  | ***Release:*** | Rel-18 |
|  | *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:*** | To capture the MBS agreement for MAC made in RAN2#127* RAN2 to adopt TP 1A to clarify that error data handling should be limited to G-RNTI for "MBS multicast in RRC\_INACTIVE" [R2-2406507]
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| ***Summary of change:*** | In clause 5.13, for the error data handling for suspended RB, the scope of G-RNTI is clarified to be limited to MBS multicast in RRC\_INACTIVE.**Impact analysis**Impacted functionality:MBS multicast in RRC\_INACTIVEImpacted 5G architecture options:NR SA, (NG)EN-DC, NE-DC, NR-DCInter-operability: If the UE is implemented according to the CR while the network is not, there are no inter-operability issue.If the network is implemented according to the CR while the UE is not, there are no inter-operability issue. |
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| ***Consequences if not approved:*** | Potential ambiguity to implementers about the scope of G-RNTI for the error data handling |
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| ***Clauses affected:*** | 5.13 |
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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:*** | - |
|  |  |
| ***This CR's revision history:*** | - |

#### **<Start of Change>**

## 5.13 Handling of unknown, unforeseen and erroneous protocol data

When a MAC entity receives a MAC PDU for the MAC entity's C-RNTI, CS-RNTI, G-RNTI, G-CS-RNTI or by the configured downlink assignment, containing a Reserved LCID or eLCID value, or an LCID or eLCID value the MAC Entity does not support, the MAC entity shall at least:

1> discard the received subPDU and any remaining subPDUs in the MAC PDU.

When a MAC entity receives a MAC PDU for the MAC entity's C-RNTI, CS-RNTI or G-RNTI (for MBS multicast in RRC\_INACTIVE), or by the configured downlink assignment, containing an LCID or eLCID value which is not configured, or an LCID or eLCID value associated with a suspended RB as specified in TS 38.331 [5], the MAC entity shall at least:

1> discard the received subPDU.

When a MAC entity receives a MAC PDU on SL-SCH containing a Reserved LCID value for broadcast or groupcast, or an LCID value which is not configured, the MAC entity shall:

1> discard the received subPDU.

When a MAC entity receives a MAC PDU on SL-SCH containing a Reserved LCID value for unicast, the MAC entity shall:

1> discard the received subPDU and any remaining subPDUs in the MAC PDU.

#### **<End of Change>**