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** | | | | | | | | |
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|  |  | **CR** | **1923** | **rev** | - | **Current version:** | **18.2.0** |  |
|  | | | | | | | | |
| *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:*** | Correction for error data handling for MBS | | | | | | | | | |
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| ***Source to WG:*** | Samsung, Apple | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***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 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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
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| ***Reason for change:*** | | In clause 5.13, the error data handling for suspended RB is only relevant for the MBS multicast in RRC\_INACTIVE. It is therefore needed to explicitly clarify the scope of G-RNTI term, as G-RNTI is also commonly used for MBS broadcast and MBS multicast in RRC\_CONNECTED. | | | | | | | | |
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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\_INACTIVE  Impacted 5G architecture options:  NR SA, (NG)EN-DC, NE-DC, NR-DC  Inter-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 ... | | |
|  | |  | | | | | | | | |
| ***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>**