3GPP TSG-RAN2 Meeting #126 *R2-2405774*

Fukuoka, Japan, 20 – 24 May 2024

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.306** | **CR** | **-** | **rev** | **-** | **Current version:** | **18.1.0** |  |
|  | | | | | | | | |
| *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:*** | Clarification for RedCap UE supporting MBS broadcast | | | | | | | | | |
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| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI18, NR\_MBS-Core, NR\_redcap-Core, NR\_redcap\_enh-Core | | | | |  | ***Date:*** | | | 2024-05-22 |
|  |  | | | |  | |  | | |  |
| ***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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19) Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The following RAN2 agreement for an (e)RedCap UE supporting MBS broadcast is missing in TS 38.306:   * **A Rel-18 RedCap and eRedCap UE that supports MBS broadcast shall also support configuration of RedCap CFR for MBS broadcast.** | | | | | | | | |
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| ***Summary of change:*** | | For the UE capability **Broadcast reception** in section 5.10 it is clarified:  An (e)RedCap UE supporting Broadcast reception also supports supports CFR and MCCH configuration for (e)RedCap UE. | | | | | | | | |
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| ***Consequences if not approved:*** | | An (e)RedCap UE may not be able to receive MBS broadcast. | | | | | | | | |
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| ***Clauses affected:*** | | 5.10 | | | | | | | | |
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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 modified section>**

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## 5.10 MBS features

| Definitions for feature |
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| **Broadcast reception**  It is optional for UE to support broadcast reception as specified in TS 38.331 [9]. A UE that supports the feature shall also support:  - Group-common PDCCH/PDSCH for broadcast with CRC scrambled by MCCH-RNTI;  - Group-common PDCCH/PDSCH for broadcast with CRC scrambled by G-RNTI(s) for MTCH;  - CFR configuration for broadcast;  - CORESET and common search space for broadcast;  - DCI format 4\_0 with CRC scrambled with G-RNTI/MCCH-RNTI for broadcast;  - Inter-slot TDM between unicast PDSCH and MCCH group-common PDSCH or MTCH group-common PDSCH, or between MCCH group-common PDSCH and MTCH group-common PDSCH, or among unicast PDSCH and MCCH group-common PDSCH and MTCH group-common PDSCH in different slots;  - MCCH change notification indication via DCI;  - RRC configured slot-level repetition up to 8 for MTCH;  - One G-RNTI per UE is supported for broadcast reception;  - Support of FDMed MCCH and PBCH;  - Support of up to 64QAM for FR1/FR2;  - 4 broadcast MRBs as the minimum number;  - PDCP 12 bits SN;  - ROHC with profiles 0x0000, 0x0001 and 0x0002;  - 4 ROHC context sessions;  - RLC UM with 6 bits SN;  - RLC UM with 12 bits SN;  - DRX with long DRX cycle for MBS broadcast as specified in TS 38.321 [8].  An (e)RedCap UE supporting Broadcast reception also supports CFR and MCCH configuration for (e)RedCap UE. |

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**<End of modified section>**