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 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-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)Rel-20 (Release 20)* |
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| ***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 |
|  |  |
|  | **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>**