**3GPP T****SG-RAN WG2 Meeting #118-e R2-220NNNN**

**Online Meeting, May 9-20 2022**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **38.306** | **CR** | **Draft** | **rev** | **-** | **Current version:** | **17.0.0** |  |
|  |
| *For* [***HELP***](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:***  | Draft 38.306 CR for MBS UE capability corrections |
|  |  |
| ***Source to WG:*** | MediaTek Inc. |
| ***Source to TSG:*** | R2 |
|  |  |
| ***Work item code:*** | NR\_MBS-Core |  | ***Date:*** | 2022-05-13 |
|  |  |  |  |  |
| ***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:*** | Correction of R17 MBS capabiliy following the agreement made during RAN2#118-e. |
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| ***Summary of change:*** | 1. R17 MBS broadcast feature is defined as optional at a new section 5.X and the mandatory capabilities to support this feature are described .
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| ***Consequences if not approved:*** | The agreement made during RAN2#118-e for R17 MBS UE capabilities is not captured at 38.306. |
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| ***Clauses affected:*** | New section 5.X |
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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:*** |  |

*First change*

## 5.X 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: - 4 broadcast MRBs as the minimum number;- PDCP 12 bits SN;- ROHC with profiles 0x0000, 0x0001 and 0x0002;- 8 ROHC context sessions per broadcast MRB;- 4 broadcast MRBs as the minimum number;- RLC UM with 6 bits SN;- RLC UM with 12 bits SN;- DRX with long DRX cycle. |

*End of change*

# Annex

According to the following agreements made in 8 RAN2#118-e, a draft subsection of RAN2 determined UE capabilities in TR 38.822 is included.

* ROHC with profiles 0x0000, 0x0001, 0x0002 is mandatory for UEs supporting MBS broadcast. Delete the editor’s note in 38.331 CR for FFS.
* The minimum number of MRBs is set to 4 for MBS broadcast UEs as the mandatory capability without signaling.
* Introduce the UE capability for MBS broadcast reception as an optional feature without capability signalling and add to chapter 5 in 38.306 (can be revisited if needed based on P4).

5.2.x NR\_MBS-Core

**Table 5.2.x-1: Layer-2 and Layer-3 feature list for NR\_MBS-Core**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Features** | **Index** | **Feature group** | **Components** | **Prerequisite feature groups** | **Field name in TS 38.331 [2]** | **Parent IE in TS 38.331 [2]** | **Need of FDD/TDD differentiation** | **Need of FR1/FR2 differentiation** | **Note** | **Mandatory/Optional** |
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