**3GPP TSG-RAN WG2 Meeting #126 *R2-2406034***

**Fukuoka, Japan, 20 – 24 May 2024**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **38.304** | **CR** | **0399** | **rev** | **3** | **Current version:** | **18.1.0** |  |
|  | | | | | | | | |
| *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:*** | MBS operation with eDRX MICO | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5MBS\_Ph2 | | | | |  | ***Date:*** | | | 2024-05-29 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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:*** | | In LS R2-2400006 CT1 informed their agremeent on capturing with CR C1-239659 UE behavior on MBS reception during eDRX RAN2 needs to capture corresponding lower layer behaviour:   1. UE receiving multicast should receive paging with TMGI during start/scheduled activation times 2. In order to ensure UE monitors MBS broadcast correctly while configured in upper layers with MBS broadcast start times/scheduled activation times one needs to allow lower layers to receive MBS broadcast during start/scheduled activation times | | | | | | | | |
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| ***Summary of change:*** | | In section 6.2:   1. Capture in specs that UE monitors paging with TMGI during upper layer configured the start time and/or scheduled activation time(s) 2. This is captured as NOTE to allow UE to receive MBS broadcast during upper layer configured start/scheduled activation times | | | | | | | | |
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| ***Consequences if not approved:*** | | MBS operation with eDRX/MICO would not be correctly captured. | | | | | | | | |
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| ***Clauses affected:*** | | 6.2 | | | | | | | | |
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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:*** | |  | | | | | | | | |

*First Modified Subclause*

## 6.2 Reception of MBS

A UE receiving or interested to receive MBS broadcast services shall apply the MCCH information acquisition procedure as specified in TS 38.331 [3] to receive the MCCH information. A UE interested to receive MBS broadcast services identifies if a service that it is interested to receive is started or ongoing by receiving the MCCH information, and then receives a MTCH(s) configured using the Broadcast MRB establishment procedure as specified in TS 38.331 [3] and using the DL-SCH reception and MBS broadcast DRX procedure as specified in TS 38.321 [19].

A UE which has joined multicast session(s) and configured to receive MBS multicast services in RRC\_INACTIVE state shall apply the multicast MCCH information acquisition procedure as specified in TS 38.331 [3] to receive the multicast MCCH information when UE is in RRC\_INACTIVE state and the multicast MCCH is configured in the cell. The UE identifies whether a session is active or not by receiving the indication in *RRCRelease*, multicast MCCH information, or group notification in paging message, and receives the multicast MTCH(s) in RRC\_INACTIVE state using the multicast MRB configuration procedure as specified in TS 38.331 [3] and using the DL-SCH reception and MBS multicast DRX procedure as specified in TS 38.321 [19].

UEs which have joined a multicast session(s) and are in RRC\_IDLE/RRC\_INACTIVE state shall apply the reception of the paging message procedure as specified in TS 38.331 [3] when the UE expects MBS group notification as specified in clause 16.10.5.2 in TS 38.300 [2].

When upper layers provide MBS start time and/or scheduled activation time(s) (as specified in TS23.247 [21]) and the UE has joined an MBS session indicated by TMGI while the UE is in RRC\_IDLE or RRC\_INACTIVE state, the UE monitors paging as defined in section 7.1 using the TMGI (as defined in TS 38.331 [3]) during those MBS start time and/or scheduled activation time(s).

NOTE: When the UE is interested to receive MBS broadcast the UE may perform procedures to receive MBS broadcast session(s) as defined in TS 38.331 [3] if upper layer is configured with the MBS start time and/or scheduled activation time(s) (as specified in TS23.247 [21]).

*End of Changes*