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

**Fukuoka, Japan, 20 – 24 May 2024**

|  |
| --- |
| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **x** | Radio Access Network | **x** | Core Network |  |

|  |
| --- |
|  |
| ***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 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)* |
|  |  |
| ***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
 |
|  |  |
| ***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
 |
|  |  |
| ***Consequences if not approved:*** | MBS operation with eDRX/MICO would not be correctly captured. |
|  |  |
| ***Clauses affected:*** | 6.2 |
|  |  |
|  | **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*