**3GPP TSG-SA WG6 Meeting #68S6-253472**

**Gothenburg, Sweden 25th – 29th August 2025 (revision of S6-253299)**

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **23.289** | **CR** |  **0159** | **rev** | **1** | **Current version:** | **20.0.0** |  |
|  |
| *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 |  | Core Network | **X** |

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| ***Title:***  | Clarification on receiving multicast MBS data in RRC\_INACTIVE state |
|  |  |
| ***Source to WG:*** | Huawei, Hisilicon, China BroadNet |
| ***Source to TSG:*** | S6 |
|  |  |
| ***Work item code:*** | **enhMC** |  | ***Date:*** | 2025-08-07 |
|  |  |  |  |  |
| ***Category:*** | **A** |  | ***Release:*** | Rel-20 |
|  | *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:*** | In 23.289, both “RRC-Connected” and “RRC\_CONNECTED state” are used. The term should be aligned. |
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| ***Summary of change:*** | Change “RRC-Connected” and “RRC\_CONNECTED state” |
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| ***Consequences if not approved:*** | Inconsistency of the TS |
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| ***Clauses affected:*** | 7.3.4.1, 7.3.4.2 |
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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 ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* First changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

#### 7.3.4.1 General

Multicast MBS reception in RRC\_INACTIVE mode enables a higher number of UEs in a cell to participate in public safety group calls using MBS sessions. The MC service server may indicate to the 3GPP core network that a UE is preferred to be kept in RRC\_CONNECTEDstate when the related MBS session which the UE joined is active via provisioning the MBS assistance information as described in 3GPP TS 23.247 [15].

#### 7.3.4.2 Provisioning of the MBS assistance information

After the MC service server has obtained the MBS Session ID of a multicast MBS Session via the TMGI allocation or the MBS session creation procedure, and the MBS session is mapped to a certain MC group, the MC service server may provision the MBS assistance information of a UE to the 5GC as described in 3GPP TS 23.247 [15].

Such provisioning may be performed and updated until the MBS session is deleted. If the MC service server decides to allow to keep an MC service UE(s) in the RRC\_CONNECTED state based on certain information (such as MC service user’s role in the group or certain operational situations, e.g., group leader, floor request frequency), the MC service server may provision the UE’s MBS assistance information to the 3GPP core network, as described in 3GPP TS 23.247 [15].

NOTE: In case of congestion, the MC service UEs, which are provisioned as part of the MBS session assistance information, are kept the last in the RRC\_CONNECTED state. However, it is up to NG-RAN to release them based on the congestion situation if required.