**3GPP TSG-RAN WG3 #117bis-eR3-225967**

**Online, 10th - 18th October 2022 was R3-225449**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Stage 3 description for admission control at multicast MBS Session Activation | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** | R3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_MBS-Core | | | | |  | ***Date:*** | | | 2022-09-27 |
|  |  | | | |  | |  | | |  |
| ***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 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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | At RAN3#114bis-e meeting an important agreement was achieved, which however was not yet captured in any normative text, namely:  *Perform admission control at session activation, if needed, and RAN node either accept the activation by sending session activation response message or reject the activation by sending activation failure message*. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The procedural text of the Multicast Session Activation procedure is modifed to correct the decription of the conditions upon which the NG-RAN shall succeed the procedure, i.e. when it *is able to* *activate the previously requested MBS session resources.*  Specification text of the unsuccessful outcome of the procedure is also aligned with the successfully case.  Impact Analysis:  Impact assessment towards the previous version of the specification (same release):  This CR has isolated impact with the previous version of the specification (same release) because it introduces corrects the multicast MBS session control function.  The impact can be considered isolated because the change only adds already agreed property of the multicast MBS session control function, namely admission control at MC Session Activation. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The current specification would not clearly specify the conditions upon which the NG-RAN shall succeed the Multicast Session Activation procedure. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.18.3.2, 8.18.3.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | |  | | |
| ***affected:*** | |  | **X** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | r0: submission to R3-117bis-e  r1: modification along discussions | | | | | | | | |

<<<<<<<<<<<<<<<<<<<< First Change >>>>>>>>>>>>>>>>>>>>

### 8.18.3 Multicast Session Activation

#### 8.18.3.1 General

The purpose of the Multicast Session Activation procedure is to request a NG-RAN node to activate the MBS session resources of a multicast MBS session. The procedure uses non-UE-associated signalling.

#### 8.18.3.2 Successful Operation



Figure 8.18.3.2-1: Multicast Session Activation, successful operation.

The AMF initiates the procedure by sending a MULTICAST SESSION ACTIVATION REQUEST message to the NG-RAN node.

Upon receipt of the MULTICAST SESSION ACTIVATION REQUEST message, if the NG-RAN nodeis able to activate the previously requested MBS session resources corresponding to the MBS session indicated in the MULTICAST SESSION ACTIVATION REQUEST message and shall indicate in the MULTICAST SESSION ACTIVATION RESPONSE message for which MBS session the request was fulfilled.

#### 8.18.3.3 Unsuccessful Operation



Figure 8.18.3.3-1: Multicast Session Activation, unsuccessful operation.

If the NG-RAN node cannot activate the previously requested MBS session resources indicated by the MULTICAST SESSION ACTIVATION REQUEST message, it shall respond with a MULTICAST SESSION ACTIVATION FAILURE message with an appropriate cause value and shall indicate in the MULTICAST SESSION ACTIVATION FAILURE message for which MBS session the request could not be fulfilled.

#### 8.18.3.4 Abnormal Conditions

Void.

<<<<<<<<<<<<<<<<<<<< End of Changes >>>>>>>>>>>>>>>>>>>>