**3GPP TSG-CT3 Meeting #122-e *C3-223203r2***

**E-meeting, , -**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.513** | **CR** | **0366** | **rev** | **1** | **Current version:** | **17.6.0** |  |
|  | | | | | | | | |
| *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 |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Specification of PCC MBS Session Termination | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | C3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5MBS | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *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:*** | | TS 23.247 has introduced an enhanced 5G System architecture for Multicast and Broadcast Services. Dynamic PCC is impacted due to the introduction of these services and thus the flows in TS 29.513 need to be updated accordingly. This CR specifies the new flow related to the PCC MBS Policy Association termination. | | | | | | | | |
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| ***Summary of change:*** | | Specification of the flow related to the MBS Policy Association termination. | | | | | | | | |
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| ***Consequences if not approved:*** | | Non-support of 5G MBS Policy Association termination procedures. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.7.4 (new); 5.7.4.1 (new); 5.7.4.2 (new), 5.7.4.3 (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 change \* \* \* \*

#### 5.7.4 MBS Policy Association Termination

##### 5.7.4.1 General

The MBS Policy Association Termination procedure may be initiated either by the MB-SMF or by the PCF.

##### 5.7.4.2 MBS Policy Association Termination initiated by the PCF

This procedure is performed when the PCF needs to terminate the MBS Policy Association based on internal or external triggers.

Editor's Note: Triggers that may initiate this procedure are FFS.



Figure 5.7.4.2-1: MBS Policy Association Termination procedure initiated by the PCF.

1. The PCF determines that an existing MBS Policy Association needs to be terminated based on an external trigger or internal trigger.

Editor's Note: Triggers that may initiate this procedure are FFS.

2. The PCF invokes the Npcf\_MBSPolicyControl\_UpdateNotify service operation by sending an HTTP POST request to the MB-SMF targeting the callback URI "{notificationUri}/terminate" as defined in 3GPP TS 29.537[yy] to trigger the MB-SMF to request the release of the concerned session towards the MB-UPF. The request body includes the resource URI of the concerned Individual MBS policy resource to be deleted and the termination cause.

3. The MB-SMF responds to the PCF with an HTTP "204 No Content" status code.

4. Interactions as defined in subclause 5.7.2.3.3 are carried out.

##### 5.7.4.3 MBS Policy Association Termination initiated by the MB-SMF

This procedure is performed when the MB-SMF needs to terminate the MBS Policy Association based on external (e.g. the PCF requested the termination of the MBS Policy Association) or internal triggers.

Editor's Note: The full list of triggers that may initiate this procedure are FFS.



Figure 5.7.4.3-1: MBS Policy Association termination procedure initiated by the MB-SMF.

1. The MB-SMF invokes the Npcf\_MBSPolicyControl\_Delete service operation by sending an HTTP DELETE request to the "Individual MBS Policy" resource to request the PCF to delete the context of the MBS related policy as defined in clause 5.2.2.4.2 of 3GPP TS 29.537 [yy].

2. The PCF deletes the concerned MBS Policy Association context for the terminated MBS Session and responds to the MB-SMF with an HTTP "204 No Content" status code.

\* \* \* \* End of changes \* \* \* \*