**3GPP TSG-CT WG4 Meeting #110-eC4-223058v1**

**E-Meeting, 12th – 20th May 2022**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.532** | **CR** | **0017** | **rev** | **1** | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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 |  | Radio Access Network |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Updates to Service Description | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5MBS | | | | |  | ***Date:*** | | | 2022-05-04 |
|  |  | | | |  | |  | | |  |
| ***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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | In clause 5.2.1 and 5.3.1, several functionalities are missing from the description. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add missing functionality description to clause 5.2.1 / 5.3.1. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Several functionalities are missing from the description of clause 5.2.1 and 5.3.1. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.2.1, 5.3.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 doesn't introduces any change to the OpenAPI files. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev#1:  - Text improvements. | | | | | | | | |

\* \* \* Begin of Changes \* \* \* \*

### 5.2.1 Service Description

The Nmbsmf\_TMGI service operates on TMGI resources. It is applicable to both Broadcast and Multicast services. The service operations exposed by this service allow other NFs to request the allocation and release of TMGIs. The following are the key functionalities of this NF service, as specified in clause 9.1.2 of 3GPP TS23.247 [14]:

- Requesting the allocation of one or more TMGI values, or requesting to refresh the expiration time of the previous allocated TMGI(s);

- Requesting the deallocation of one or more TMGI values.

Table 5.2.1-1 lists the service operations that are supported by the Nmbsmf\_TMGI service.

Table 5.2.1-1: Service operations supported by the Nmbsmf\_TMGI service

|  |  |  |  |
| --- | --- | --- | --- |
| Service Operations | Description | Operation  Semantics | Example Consumers |
| Allocate | Request the allocation of one or more TMGI values, or refresh the expiration time of the previously allocated TMGI(s). | Request / Response | NEF, MBSF, AF |
| Deallocate | Request the deallocation of one or more TMGI values. | Request / Response | NEF, MBSF, AF |

\* \* \* Next Change \* \* \* \*

### 5.3.1 Service Description

The Nmbsmf\_MBSSession service operates on MBS Sessions. It is applicable to both Broadcast and Multicast services. The service operations exposed by this service allow other NFs to create, update and release MBS sessions. The following are the key functionalities of this NF service, as specified in clause 9.1.3 of 3GPP TS23.247 [14]:

- Creation, modification and release of MBS contexts for MBS Sessions;

- Requesting the start or termination of MBS data reception for a multicast MBS session;

- Subscribing to or unsubscribing from notifications of status change of multicast MBS session context;

- Subscribing to or unsubscribing from notifications of status change of a broadcast or multicast MBS session.

Table 5.3.1-1 lists the service operations that are supported by Nmbsmf\_MBSSession service.

Table 5.3.1-1: Service operations supported by the Nmbsmf\_MBSSession service

|  |  |  |  |
| --- | --- | --- | --- |
| Service Operations | Description | Operation  Semantics | Example Consumers |
| Create | Create a multicast or broadcast MBS session | Request / Response | NEF, MBSF, AF |
| Update | Update a multicast or broadcast MBS session | Request / Response | NEF, MBSF, AF |
| Delete | Delete a multicast or broadcast MBS session | Request / Response | NEF, MBSF, AF |
| ContextUpdate | Request the start or termination of MBS data reception for a multicast MBS session | Request / Response | AMF, SMF |
| ContextStatusSubscribe | Request information (e.g. QoS information) about a multicast MBS session and subscribe to notification of events about the multicast MBS session context | Subscribe/  Notify | SMF |
| ContextStatusUnsubscribe | Unsubscribe to notification of events about the multicast MBS session context | SMF |
| ContextStatusNotify | Notify events about the multicast MBS session context | SMF |
| StatusSubscribe | Subscribe to notifications of status change of a broadcast or multicast MBS session | Subscribe/  Notify | NEF, MBSF, AF |
| StatusUnsubscribe | Unsubscribe to notifications of status change of a broadcast or multicast MBS session | NEF, MBSF, AF |
| StatusNotify | Notify status changes of a multicast or broadcast or multicast MBS session | NEF, MBSF, AF |

\* \* \* End of Changes \* \* \* \*