**3GPP TSG-CT WG1 Meeting #132-eC1-215660**

**E-meeting, 11-15 October 2021**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.282** | **CR** | **0257** | **rev** | **-** | **Current version:** | **17.4.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Update notification channel | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | AT&T, Samsung | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eMCData3 | | | | |  | ***Date:*** | | | 2021-09-29 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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:*** | | Specifying the procedure for updating the notification channel’s lifetime. The update request is sent from the Message notification client to the MCData notification server (see procedure in figure 7.13.3.17.3-2 and subclauses 7.13.3.17.3, 7.13.3.1.43 & 7.13.3.1.44 in TS 23.282). | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | New procedure is defined to update a notification channel’s lifetime. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Message store client will not have a standard mechanism to manage (extend notification channel’s lifetime) and receive notifications from MCData message store as defined in TS 23.282. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 21.2.Y (NEW), 21.2.Y.1 (NEW), 21.2.Y.2 (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 \* \* \* \* \* \* \*

### 21.2.Y Update notification channel

#### 21.2.Y.1 Message notification client procedures

To update a notification channel's lifetime, the Message notification client, acting as an HTTP client shall follow the procedure described in subclause 6.4 of OMA-TS-REST\_NetAPI\_NotificationChannel-V1\_0-20200319-C [xx] with the following clarification(s):

1) shall generate an HTTP PUT request as specified in subclause 6.4.4 of OMA-TS-REST\_NetAPI\_NotificationChannel-V1\_0-20200319-C [xx] with following clarifications:

a) shall set the Host header field to a hostname identifying the MCData Notification server;

b) shall include a valid MCData access token in the Authorization header; and

c) shall send the HTTP PUT request towards the MCData Notification server.

Upon receipt of an HTTP response, the Message notification client should follow the procedure as described in subclause 6.4.2 of OMA-TS-REST\_NetAPI\_NotificationChannel-V1\_0-20200319-C [xx].

NOTE: A successful HTTP response includes the new Channel's lifetime duration which can be used by the message store client to update the lifetime of the notification subscription in the MCData Message store function as described in clause 21.2.14A.

#### 21.2.Y.2 MCData Notification server procedures

Upon receipt of the HTTP PUT request from the client, as per subclause 21.2.Y.1, with the Request-URI identifying a resource in the MCData Notification server, the MCData Notification server acting as an HTTP server:

1) shall validate the MCData access token (with "Bearer" authentication scheme) received in the Authorization header of the request as specified in 3GPP TS 24.482 [24];

2) if validation is successful then

a) shall process the HTTP PUT request by following the procedures described in subclause 6.4.4 of OMA-TS-REST\_NetAPI\_NotificationChannel-V1\_0-20200319-C [xx]; and

3) shall generate and send an HTTP response towards the Message notification client indicating the result of the operation;

\* \* \* \* \* \* \* END CHANGES \* \* \* \* \* \* \*