**3GPP TSG-CT WG1 Meeting #132-eC1-215658**

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.282** | **CR** | **0255** | **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:*** | Create 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 sending the create notification channel request from the Message notification client to the MCData notification server (see TS 23.282 subclauses 7.13.3.17.3, 7.13.3.1.32 & 7.13.3.1.33). | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | New procedure is defined to create a notification channel. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Message store client will not have a standard mechanism to receive notifications from MCData message store via MCData Notification server as defined by TS 23.282. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 21.2.X (NEW), 21.2.X.1 (NEW), 21.2.X.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.X Create notification channel

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

To create a notification channel, the Message notification client, acting as an HTTP client shall follow the procedure described in subclause 6.1 of OMA-TS-REST\_NetAPI\_NotificationChannel-V1\_0-20200319-C [xx] with the following clarification(s):

1) shall generate an HTTP POST request as specified in subclause 6.1.5 of OMA-TS-REST\_NetAPI\_NotificationChannel-V1\_0-20200319-C [xx] with the 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 POST request towards the MCData Notification server.

Upon receipt of an HTTP response, the Message notification client should follow the procedure as described in subclause 6.1.2 of OMA-TS-REST\_NetAPI\_NotificationChannel-V1\_0-20200319-C [xx].

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

Upon receipt of the HTTP POST request from the client, as per subclause 21.2.X.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]; and

2) if validation is successful then

a) shall process the HTTP POST request by following the procedures described in subclause 6.1.5 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.

NOTE 1: A successful HTTP response includes a Callback URL and can also include a Channel URL depending on the "channelType" requested (see subclause 5 of OMA-TS-REST\_NetAPI\_NotificationChannel-V1\_0-20200319-C [xx]).

NOTE 2: The Callback URL is used by the message store client in its request for creation of subscription to notifications sent towards the Message store function as described in subclause 21.2.12A.

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