**3GPP TSG-CT1 Meeting #123-eC1-202640**

**Electronic meeting, 16-24 April 2020 (was C1-202024)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.282** | **CR** | **0119** | **rev** | **1** | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *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 | **x** | Radio Access Network |  | Core Network | **x** |

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| ***Title:*** | Create a subscription to notifications | | | | | | | | | |
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| ***Source to WG:*** | AT&T, Samsung | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eMCData2 | | | | |  | ***Date:*** | | | 2020-03-29 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Specifying the procedure for creating a subscription to MCData message store notifications by the message store client. Creating a subscription will enable the client to receive synchronization notification from the MCData message store as called for in TS 23.282 subclauses 7.13.3.1.31 and 7.13.3.17. | | | | | | | | |
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| ***Summary of change:*** | | New procedure is defined to allow message store client to receive notifications from MCData message store. | | | | | | | | |
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| ***Consequences if not approved:*** | | TS 24.282 won’t have the required procedures in order to allow the message store client to subscribe to receive notifications (e.g. message object change, message object delete, etc) from the MCData message store. | | | | | | | | |
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| ***Clauses affected:*** | | 21.2.12 (content for the existing “void” subclause), 21.2.12.1 (NEW), 21.2.12.2 (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:*** | | -Fixed coversheet issues  -Fixed formating issues  -Fixed 21.2.12.1 step c) to step 2) to follow step 1) in order for the procedure to read more appropriately  -Fixed 21.2.12.2 step 2) to step 2)-a) in order for the procedure to read more appropriately while step 3) would follow whether the procedure is successful as per step 2) or a failure  -Had 21.2.12.2 step 3) to point to the appropriate subclause in OMA for HTTP responses. | | | | | | | | |

\* \* \* \* \* \* \* FIRST CHANGE \* \* \* \* \* \* \*

### 21.2.12 Create a subscription to notifications

#### 21.2.12.1 Message store client procedures

In order for the message store client to keep its local store in sync with the MCData message store, it needs to receive notifications about changes in the message store. For this purpose, the message store client would need to subscribe to notification from the message store, Synchronization using subscriptions and notifications is described in subclause 5.1.5.1 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66].

To create a subscription to notifications about changes in the message store using the message store function, the message store client, acting as an HTTP client shall follow the procedure described in subclause 6.20 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66] with the following clarification:

1) shall generate an HTTP POST request as specified in subclause 6.20.5 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66] with the following clarifications:

a) shall set the Host header field to a hostname identifying the message store function; and

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

2) shall send the HTTP POST request towards the message store function.

Upon receipt of an HTTP response, the message store client should follow the procedure as described in subclause 6.20.2 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66].

#### 21.2.12.2 Message store function procedures

Upon receipt of the HTTP POST request from the client, as per subclause 21.2.12.1, with a Request-URI identifying a resource on the message store, the message store function 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 6.20.5 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66] and create the requested subscription; and

3) shall generate and send an HTTP response towards the message store client indicating the result of the operation as per subclause 6.20.2 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66].

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