**3GPP TSG-CT1 Meeting #123-eC1-202646**

**Electronic meeting, 16-24 April 2020 (was C1-202027)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.282** | **CR** | **0122** | **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:*** | Synchronization notification | | | | | | | | | |
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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 required to enable the MCData message store to send notifications to message store client when there are changes of interest to (the client) is taking place in the MCData message store. Synchronization through notifications recieved from the MCData message store is 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 MCData message store to send notifications to message store client so that, the client can keep its local message store in sync with the MCDatat 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 keep its local message store in sync with the MCDatat message store. | | | | | | | | |
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| ***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 makes a reference to a new subclause 21.2.n which would contain C1-202028 | | | | | | | | |
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| ***This CR's revision history:*** | | -New clauses refrenced in 21.2.x.2 use “x”  -Fixed coversheet issues  -fixed paragraph format issues (e.g. Normal) and curly double quotes  -Moved the Note to the bottom of 21.2.x.2  -Had 21.2.x.2 step 3) to point to the appropriate subclause in OMA for HTTP responses. | | | | | | | | |

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

### 21.2.x Synchronization notifications

#### 21.2.x.1 Message store function procedures

To send notifications about changes in the message store using the message store function, the MCData message store, acting as an HTTP client shall follow the procedure described in subclause 6.22 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 6.22.5 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66] with the following clarifications:

a) shall set the Host header field to the callback URL which was previously provided by the client in its corresponding subscription creation request as specified in subclause 21.2.12; and

b) shall send the HTTP POST request towards the callback URL provided by the client.

Upon receipt of an HTTP response, the message store function should follow the procedure as described in subclause 6.22.2 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66].

#### 21.2.x.2 Message store client procedures

Upon receipt of the HTTP POST request from the MCData message store, as per subclause 21.2.x.1, the message store client acting as an HTTP server:

1) shall process the HTTP POST request by following the procedures described in subclause 6.22.5 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66]; and

a) either use the notification content and the reported "restartToken" and "index" as specified in subclause 5.1.5.1 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66] to have the client’s local message store updated accordingly; or

b) use the notification as a trigger to subsequently search the MCData message store for the list of changes as specified in subclause 21.2.n; and

2) shall generate and send an HTTP response towards the message store function indicating the result of the operation as per subclause 6.22.2 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66].

NOTE: The notifications about changes in the MCData message store can be used by the message store client to synchronize its local message store with the MCData message store in two distinguished ways which are listed in sub-bullets "a" and "b" above.

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