**3GPP TSG-CT1 Meeting #123-eC1-202647**

**Electronic meeting, 16-24 April 2020 (was C1-202028)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.282** | **CR** | **0123** | **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:*** | Search-based Synchronization | | | | | | | | | |
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| ***Source to WG:*** | AT&T, Samsung | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eMCData2 | | | | |  | ***Date:*** | | | 2020-03-30 |
|  |  | | | |  | |  | | |  |
| ***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)* | |
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| ***Reason for change:*** | | Specifying the procedure required by the message store client to synchronize its local message store with the MCData message store by initiating a request and receiving the necessary stored objects data based on a filtered criteria. Synchronization through request/response model (as opposed is called for in TS 23.282 subclauses 7.13.3.1.9 and 7.13.3.1.10 as well as subclause 7.13.3.6 | | | | | | | | |
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| ***Summary of change:*** | | New procedure is defined to enable the message store client to query the MCData message store for relevent stored object data in order to keep its local message store in sync with the 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 synchronize its local message store based on a querying the MCData message store (i.e. the only supported model would then be a notifications-based synchronization). | | | | | | | | |
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| ***Clauses affected:*** | | 21.2.n (NEW), 21.2.n.1 (NEW), 21.2.n.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:*** | | -New subclauses use “n” in numbering 21.2.n  -C1-202027 has a sentence which refers to this subclause  -Fixed editorials: (e.g. curly quotes and recepectivelyrespectively) | | | | | | | | |

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

### 21.2.n Search-based synchronization

#### 21.2.n.1 Message store client procedures

To search for changes (e.g. newly created objects, recently deleted objects, etc) in the MCData message store using the message store function, the message store client, acting as an HTTP client shall follow the procedure described in subclause 21.2.2.1 with following clarification:

1) shall use the search criterion of "CreatedObjects", "VanishedObjects" or "Flag" in the HTTP POST request as specified in subclause 5.1.5.2 and 5.4.2.2 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66] in order to retrieve from the message store the list of the newly created object, recently deleted object and/or changes to flags respectively.

#### 21.2.n.2 Message store function procedures

Upon receipt of the HTTP POST request from the client, as per subclause 21.2.n.1, the message store function acting as an HTTP server shall follow the procedure described in subclause 21.2.2.2 with the following clarification:

1) if search criterion in the HTTP POST request is set to "CreatedObjects", then the HTTP POST response shall include a "creationCursor" as specified in subclause 5.3.2.2 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66];

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