**3GPP TSG-CT WG1 Meeting #133-eC1-216872**

**E-meeting, 11-19 November 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.282** | **CR** | **0271** | **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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | List folder hierarchy structure | | | | | | | | | |
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| ***Source to WG:*** | AT&T | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eMCData3 | | | | |  | ***Date:*** | | | 2021-11-03 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | As per TS 23.282 subclauses 7.13.3.1.27 “MCData list folder request”, the message store client is required to be able to request listing a given folder’s hierarchy structure. Basically, the operation is to list all the subfolders within a tree strating either at a given folder (i.e. folder ID provided in the request) or at the root folder (i.e. folder ID isn’t provided in the request). Accordingly, stage 3, TS 24.282, is required to provide a procedure inline with the afformentioned stage 2 procedure. | | | | | | | | |
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| ***Summary of change:*** | | A new procedure is defined to allow message store client to request listing a folder’s hierarchy structure. | | | | | | | | |
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| ***Consequences if not approved:*** | | Stage 3 spec TS 24.282 won’t be able to support listing folder’s hierarchy structure operation as per stage 2, TS 23.282. | | | | | | | | |
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| ***Clauses affected:*** | | 21.2.X, 21.2.X.1, 21.2.X.2 | | | | | | | | |
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|  | | **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 List folder hierarchy procedure

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

To list an existing folder's hierarchy structure in the MCData message store, the message store client, acting as an HTTP client shall follow the procedure described in subclause 6.16 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66] with the following clarification(s):

1) shall generate an HTTP POST request as specified in subclause 6.16.5 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;

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

c) shall send the HTTP POST request towards the message store function with "SelectionCriteria" parameters "searchCriteria" and "nonRecursiveScope" absent and "searchScope” parameter either absent or containing a folder ID (for further information on "SelectionCriteria" data structure see subclause 5.3.2.17 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66]).

i) If "searchScope" parameter is absent, the request is to list all the subfolders recursively starting from the root folder. However, if "searchScope" parameter contains a folder ID, the request is to list all the subfolders recursively starting from the the given folder.

Upon receipt of a HTTP response, the message store client should follow the procedure as described in subclause 6.16.2 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66].

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

Upon receipt of the HTTP POST request from the client, as per subclause 21.2.X.1, 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];

2) if validation is successful then

a) shall process the HTTP POST request by following the procedures described in subclause 6.16.5 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66]; and

3) shall generate and send an HTTP response, towards the message store client indicating the result of the operation. A successful HTTP response shall contain the "FolderReferenceList" data structure listing subfolders starting at the root folder or at the requested folder.

NOTE: For further information on "FolderReferenceList" data structure see subclause 5.3.2.10 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66]).

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