**3GPP TSG- Meeting #C1-202649**

**Electronic meeting, 16-24 April 2020 (was C1-202029)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** |  | | | | | | | | | |
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| ***Source to WG:*** | , Samsung | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
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| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
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| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *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:*** | | A procedure is needed for enabling the message store client to request listing a folder in the MCData message store. See TS 23.282 subclauses 7.13.3.1.27, 7.13.3.1.28 and 7.13.3.15. | | | | | | | | |
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| ***Summary of change:*** | | A new procedure is defined to allow the message store client to list the subfolders in a folder identified by its folder identifier in 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 list subfolder(s) in a given folder identified by its folder identifier in the MCData message store. | | | | | | | | |
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| ***Clauses affected:*** | | 21.2.x (NEW), 21.2.x.1 (NEW), 21.2.x.2 (NEW) | | | | | | | | |
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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 ... | | |
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| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | -Fixed coversheet issues  -Fixed formating issues  -Fixed 21.2.x.1 step c) was expanded (added bullet “i”, “ii”, “iii”)to include other query string options to provide response other than subfolders (e.g. objects or all the subfolder’s content)  -Fixed 21.2.x.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.x.2 step 3) to point to the appropriate subclause in OMA for HTTP responses. | | | | | | | | |

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

### 21.2.x List subfolders of a given folder

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

To list subfolders of a given folder identified by its folder ID 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 6.14 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66] with the following clarification:

1) shall generate an HTTP GET request as specified in subclause 6.14.3 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;

c) shall set the query string "listFilter" to:

i) "Subfolders" if only a list of subfolders is to be returned;

ii) "Objects" if only a list of objects is to be returned; or

iii) "All" if a list all contents of the specified folder is to be returned; and

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

NOTE: in order for the message store client to list the subfolders of the root folder, it first needs to discover its folder ID as described in subclause 5.1.6 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66] using Folder search procedure specified in 21.2.11.

Upon receipt of an HTTP response, the message store client should follow the procedure as described in subclause 6.14.2 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66].

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

Upon receipt of the HTTP GET request from the client, as per subclause 21.2.x.1, with a Request-URI containing the query string listFilter = Subfolders, 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 GET request by following the procedures described in subclause 6.14.3 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66]; and

3) shall generate and send a HTTP response containing the subfolders towards the message store client indicating the result of the operation as per subclause 6.14.2 of OMA-TS-REST\_NetAPI\_NMS-V1\_0-20190528-C [66].

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