**3GPP TSG-CT WG1 Meeting #125-eC1-205016**

**Electronic meeting, 20-28 August 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.282** | **CR** | **0184** | **rev** | **-** | **Current version:** | **16.4.1** |  |
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| *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:*** | Miscellaneous fixes | | | | | | | | | |
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| ***Source to WG:*** | AT&T | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eMCData2 | | | | |  | ***Date:*** | | | 9 August 2020 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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| ***Reason for change:*** | | Current text contains a no longer valid Editor’s note, incorrect name of a configuration variable and some logic erorrs. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Remove a no longer valid Editor’s note, correct the names of a configuration variable and some logic error. | | | | | | | | |
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| ***Consequences if not approved:*** | | Could lead to potential implementation errors. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.2.2, 9.2.1, 12.2.2, 13.2.3.3.2.1, 13.2.3.3.2.2, 13.2.3.3.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \* \***

### 8.2.2 Affiliation status change procedure

In order:

- to indicate that an MCData user is interested in one or more MCData group(s) at an MCData client;

- to indicate that the MCData user is no longer interested in one or more MCData group(s) at the MCData client;

- to refresh indication of an MCData user interest in one or more MCData group(s) at an MCData client due to near expiration of the expiration time of an MCData group with the affiliation status set to the "affiliated" state received in a SIP NOTIFY request in subclause 8.2.3;

- to send an affiliation status change request in mandatory mode to another MCData user;

- to indicate that an MCData user is interested in one or more MCData group(s) at an MCData client triggered by a location or functional alias activation criteria;

- to indicate that the MCData user is no longer interested in one or more MCData group(s) at the MCData client client triggered by location or functional alias deactivation criteria; or

- any combination of the above;

the MCData client shall generate a SIP PUBLISH request according to 3GPP TS 24.229 [5], IETF RFC 3903 [34], and IETF RFC 3856 [39].

When the MCData user indicates that he is no longer interested in one or more MCData group(s) at the MCData client, the MCData client shall first check value of the <manual-deaffiliation-not-allowed-if-affiliation-rules-are-met> element if present within the MCData user profile document (see the MCData user profile document specified in 3GPP TS 24.484 [50]). If the affiliation to the group has been activated due to a rule being fulfilled and the <manual-deaffiliation-not-allowed-if-affiliation-rules-are-met> element is present and is set to a value of "true", the MCData client shall suppress the MCData user’s request.

NOTE 0: If the request is suppressed, a notification message can be displayed to the user.

In the SIP PUBLISH request, the MCData client:

1) shall set the Request-URI to the public service identity identifying the originating participating MCData function serving the MCData user;

2) shall include an application/vnd.3gpp.mcdata-info+xml MIME body. In the application/vnd.3gpp.mcdata-info+xml MIME body, the MCData client shall include the <mcdata-request-uri> element set to the MCData ID of the MCData user;

3) shall include the ICSI value "urn:urn-7:3gpp-service.ims.icsi.mcdata" (coded as specified in 3GPP TS 24.229 [5]), in a P-Preferred-Service header field according to IETF RFC 6050 [7];

4) if the targeted MCData user is interested in at least one MCData group at the targeted MCData client, shall set the Expires header field according to IETF RFC 3903 [34], to 4294967295;

NOTE 1: 4294967295, which is equal to 232-1, is the highest value defined for Expires header field in IETF RFC 3261 [4].

5) if the targeted MCData user is no longer interested in any MCData group at the targeted MCData client, shall set the Expires header field according to IETF RFC 3903 [34], to zero; and

6) shall include an application/pidf+xml MIME body indicating per-user affiliation information according to subclause 8.4.1. In the MIME body, the MCData client:

a) shall include all MCData groups where the targeted MCData user indicates its interest at the targeted MCData client;

b) shall include the MCData client ID of the targeted MCData client;

c) shall not include the "status" attribute and the "expires" attribute in the <affiliation> element; and

d) shall set the <p-id> child element of the <presence> root element to a globally unique value.

The MCData client shall send the SIP PUBLISH request according to 3GPP TS 24.229 [5].

**\* \* \* \* \* NEXT CHANGE \* \* \* \* \***

### 9.2.1 General

**\* \* \* \* \* NEXT CHANGE \* \* \* \* \***

#### 12.2.2.2 Participating MCData function receives disposition notification from a Controlling MCData function

Upon receipt of a:

- "SIP MESSAGE request for SDS disposition notification for terminating MCData client"; or

- "SIP MESSAGE request for FD disposition notification for terminating MCData client";

the participating MCData function:

1) if unable to process the request due to a lack of resources or if a risk of congestion exists, may reject the SIP MESSAGE request with a SIP 500 (Server Internal Error) response, optionally containing a Retry-After header field as specified in IETF RFC 3261 [4]. In this case, the participating MCData function shall skip the rest of the steps;

2) shall use the MCData ID present in the <mcdata-request-uri> element of the application/vnd.3gpp.mcdata-info+xml MIME body of the incoming SIP MESSAGE request to retrieve the binding between the MCData ID and the public user identity;

3) if the binding between the MCData ID and the public user identity does not exist, then the participating MCData function shall reject the SIP MESSAGE request with a SIP 404 (Not Found) response and shall skip the rest of the steps;

4) shall generate an outgoing SIP MESSAGE request as specified in subclause 6.3.2.1;

5) if sending an SDS disposition notification, shall include the ICSI value "urn:urn-7:3gpp-service.ims.icsi.mcdata.sds" (coded as specified in 3GPP TS 24.229 [5]), into the P-Asserted-Service header field of the outgoing SIP MESSAGE request;

5) if sending an FD disposition notification, shall include the ICSI value "urn:urn-7:3gpp-service.ims.icsi.mcdata.fd" (coded as specified in 3GPP TS 24.229 [5]), into the P-Asserted-Service header field of the outgoing SIP MESSAGE request;

6) shall send the SIP MESSAGE request as specified in 3GPP TS 24.229 [5].

Upon receipt of a SIP 2xx, 4xx, 5xx or 6xx response to the outgoing SIP MESSAGE request, the participating MCData function shall forward the SIP response to the controlling MCData function.

**\* \* \* \* \* NEXT CHANGE \* \* \* \* \***

###### 13.2.3.3.2.1 MCData client originating procedure

Upon receiving a SIP MESSAGE from MCData server containing an application/vnd.3gpp.mcdata-signalling MIME body, the MCData client:

1) shall decode the contents of application/vnd.3gpp.mcdata-signalling MIME body;

2) if application/vnd.3gpp.mcdata-signalling MIME body contains a FD HTTP TERMINATION message as specified in subclause 15.1.11 and if the Termination Information Type IE is set to "TRANSMISSION STOPPED", then:

a) shall generate a SIP 200 OK response according to 3GPP TS 24.229 [5]; and

b) shall send the SIP 200 (OK) response towards MCData server according to 3GPP TS 24.229 [5]; and

3) shall notify MCData user about file transmission being stopped by identifying the corresponding file transmission local database based on conversation id, message id and FILE URL received in FD HTTP TERMINATION message, along with reason.

###### 13.2.3.3.2.2 MCData client terminating procedure

On receipt of a SIP MESSAGE request containing an application/vnd.3gpp.mcdata-signalling MIME body with a FD NETWORK NOTIFICATION message, the MCData client shall follow the procedures as described in subclause 12.4.4.

##### 13.2.3.3.3 Participating MCData function procedures

Upon receipt of a "SIP MESSAGE request for FD using HTTP for terminating participating MCData function", the participating MCData function shall follow the procedure as described in subclause 10.2.4.3.2.

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