**3GPP TSG- Meeting #**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
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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 |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** |  | | | | | | | | | |
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| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
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| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
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| ***Reason for change:*** | | Clause is needed as part of introduction of SDS over the media plane | | | | | | | | |
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| ***Summary of change:*** | | Text introduced based on clause in parent specification (24.282) and approach adopted for interworking specifications. Alignment with clause 9.2.3.2.4 | | | | | | | | |
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| ***Consequences if not approved:*** | | Incomplete description of interworking of Standalone SDS over the media plane | | | | | | | | |
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| ***Clauses affected:*** | | 9.2.3.2.4, 9.2.3.3.4 (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 ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | C1-211148 | | | | | | | | |

\* \* \* Next Change \* \* \* \*

##### 9.2.3.2.4 Terminating procedures

Upon receipt of an SDS intended for a user homed in the IWF, the IWF shall

1 process the message according to the procedures in clause 9.2.3.3.4; and

2 complete any further actions to notify the user homed in the IWF.

\* \* \* Next Change \* \* \* \*

##### 9.2.3.3.4 Terminating participating MCData function procedures

Upon receipt of a "SIP INVITE request for standalone SDS over media plane for terminating participating MCData function", the IWF acting in the participating MCData role:

1) if unable to process the request, may reject the SIP INVITE request with a SIP 500 (Server Internal Error) response. The IWF may include a Retry-After header field to the SIP 500 (Server Internal Error) response as specified in IETF RFC 3261 [24] and skip the rest of the steps;

2) shall check the presence of the isfocus media feature tag in the URI of the Contact header field and if it is not present then the IWF shall reject the request with a SIP 403 (Forbidden) response with the warning text set to "104 isfocus not assigned" in a Warning header field as specified in subclause 4.4, and shall not continue with the rest of the steps;

3) 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 INVITE request to identify the user homed in the IWF;

4) if the user homed in the IWF does not exist, then the participating IWFshall reject the SIP INVITE request with a SIP 404 (Not Found) response, and shall not continue with the rest of the steps; and

5) if the IWF supports restriction of incoming communications to the user homed in the IWF equivalent to the <IncomingOne-to-OneCommunicationList> element existing in the MCData user profile document for the user homed in the IWF with one or more <One-to-One-CommunicationListEntry> elements (see the MCData user profile document in 3GPP TS 24.484 [50]) and:

i) if the IWF determines that the <mcdata-calling-user-id> element of the application/vnd.3gpp.mcdata-info+xml MIME body of the incoming SIP INVITE request does not match with any MCData ID permitted to make incoming MCData communications to the user homed in the IWF; and

ii) if the IWF determines that the user homed in the IWF is not allowed to receive one-to-one communication from an arbitrary MCData user;

then:

i) shall reject the SIP INVITE request with a SIP 403 (Forbidden) response including warning text set to "230 one-to-one MCData communication not authorised from this originating user" in a Warning header field as specified in subclause 4.9 and shall not continue with the rest of the steps;

NOTE: How the IWF determines relevant contents of the MCData user profile document is out of scope of the present document.

If the IWF acting in the participating role determines that a SIP 200 (OK) response shall be generated on behalf of the user homed in the IWF in response to the SIP INVITE request then the IWF :

1) shall generate a SIP 200 (OK) response as specified in 3GPP TS 24.229 [4];

2) shall include in the SIP 200 (OK) response an SDP answer according to 3GPP TS 24.229 [4] with the clarification given in subclause 9.2.3.3.2;

3) shall include the option tag "timer" in a Require header field;

4) shall include the Session-Expires header field according to rules and procedures of IETF RFC 4028 [7], "UAS Behavior". If no "refresher" parameter was included in the SIP INVITE request, the "refresher" parameter in the Session-Expires header field shall be set to "uas";

5) shall include the following in the Contact header field:

a) the g.3gpp.mcdata.sds media feature tag;

b) the g.3gpp.icsi-ref media feature tag containing the value of “urn:urn-7:3gpp-service.ims.icsi.mcdata.sds”; and

c) an MCData session identity mapped to the MCData session identity provided in the Contact header field of the received SIP INVITE request from the controlling MCData function;

6) shall create the application/vnd.3gpp.mcdata-info+xml MIME body to the outgoing SIP 200 (OK) response.

7) shall include a P-Asserted-Identity header field set to the public service identity of the IWF performing the participating role;

8) shall start the SIP Session timer according to rules and procedures of IETF RFC 4028 [7];

9) shall interact with the media plane as specified in 3GPP TS 24.582 [85] subclause 6.2.1.5; and

10) shall send the SIP 200 (OK) response to the controlling MCData function according to 3GPP TS 24.229 [4].

If the IWF acting in the participating role determines that a SIP 4xx, 5xx or 6xx response to the above SIP INVITE request shall be sent then the IWF acting in a participating MCData role:

1) shall generate a SIP response according to 3GPP TS 24.229 [4];

2) shall include Warning header field(s) as appropriate; and

3) shall forward the SIP response to the controlling MCData function according to 3GPP TS 24.229 [4].

\* \* \* End Change \* \* \* \*