**3GPP TSG- Meeting # *abc***

**, , - (was C1-232039)**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** |  | **rev** | **1** | **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:*** | MCProtoc18 | | | | |  | ***Date:*** | | | 2023-04-06 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
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| ***Reason for change:*** | | The specification of MCPTT private call transfer contains some mistakes that cause failures in checking if a call transfer is allowed or not. This CR corrects these mistakes. | | | | | | | | |
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| ***Summary of change:*** | | Clause 11.1.8.3.1:  - 5)/a) changing logical “or” operator to “and”  - 5)/b) and 5)/c) changing the style form B2 to B3 and correcting the element used to get the transfer target and correcting the reference to the URI in the user profile | | | | | | | | |
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| ***Consequences if not approved:*** | | Errors in MCPTT private call transfer procedure will remain in the specification: Using the wrong parameter for checking, and having the wrong logical operator will cause failure in the check if a call transfer is allowed or not. The result is a malfunction of private call transfer. | | | | | | | | |
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| ***Clauses affected:*** | | 11.1.8.3.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

##### 11.1.8.3.1 Originating procedures

Upon receiving a "SIP MESSAGE request for transfer private call for originating participating MCPTT function" the participating MCPTT function:

1) if unable to process the request due to a lack of resources or a risk of congestion exists, may reject the SIP MESSAGE request with a SIP 500 (Server Internal Error) response. The participating MCPTT function 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 determine the MCPTT ID of the calling user from the public user identity in the P-Asserted-Identity header field of the SIP MESSAGE request;

NOTE 1: The MCPTT ID of the calling user is bound to the public user identity at the time of service authorisation, as documented in clause 7.3.

3) if the participating MCPTT function cannot find a binding between the public user identity and an MCPTT ID or if the validity period of an existing binding has expired, then the participating MCPTT function shall reject the SIP MESSAGE request with a SIP 404 (Not Found) response with the warning text set to "141 user unknown to the participating function" in a Warning header field as specified in clause 4.4, and shall not continue with the rest of the steps;

4) if:

a) the "SIP MESSAGE request for transfer private call for originating participating MCPTT function" contains the <request-type> element set to a value of "transfer-private-call-request"; and

b) if the <allow-call-transfer> element of the <ruleset> element is not present in the requesting MCPTT user's MCPTT user profile document (see the MCPTT user profile document in 3GPP TS 24.484 [50]) or is set to a value of "false";

then:

a) shall reject the SIP MESSAGE request with a SIP 403 (Forbidden) response including warning text set to "170 user not authorised to make a private call transfer request" in a Warning header field as specified in clause 4.4, and skip the rest of the steps;

5) if the "SIP MESSAGE request for transfer private call for originating participating MCPTT function" contains the <request-type> element set to a value of "transfer-private-call-request" and:

a) if the <allow-call-transfer-to-any-user> element of the <ruleset> element is not present in the requesting MCPTT user's MCPTT user profile document (see the MCPTT user profile document in 3GPP TS 24.484 [50]) or is set to a value of "false"; and

i) if the call is transferred to an MCPTT ID and the <mcptt-called-party-id> element does not match with the "uri-entry" element of one of the <entry> elements of the <AllowedMCPTTIdsForCallTransfer> element of the MCPTT user profile document (see the MCPTT user profile document in 3GPP TS 24.484 [50]); or

ii) if the call is transferred to a functional alias and the <mcptt-called-party-id> element does not match with the "uri-entry" element of one of the <entry> elements of the <AllowedFunctionalAliasesForCallTransfer> element of the MCPTT user profile document (see the MCPTT user profile document in 3GPP TS 24.484 [50]);

then:

a) shall reject the "SIP MESSAGE request for originating participating MCPTT function" with a SIP 403 (Forbidden) response including warning text set to "170 user not authorised to make a private call transfer request" in a Warning header field as specified in clause 4.4 and shall skip the rest of the steps;

6) shall determine the public service identity of the controlling MCPTT function for the private call transfer service for the requesting MCPTT user;

NOTE 2: The public service identity can identify the controlling MCPTT function in the primary MCPTT system or in a partner MCPTT system.

NOTE 3: If the controlling MCPTT function is in a partner MCPTT system in a different trust domain, then the public service identity can identify the MCPTT gateway server that acts as an entry point in the partner MCPTT system from the primary MCPTT system.

NOTE 4: If the controlling MCPTT function is in a partner MCPTT system in a different trust domain, then the primary MCPTT system can route the SIP request through an MCPTT gateway server that acts as an exit point from the primary MCPTT system to the partner MCPTT system

NOTE 5: How the participating MCPTT function determines the public service identity of the controlling MCPTT function associated with the private call transfer service for the requesting MCPTT user or of the MCPTT gateway server in the partner MCPTT system is out of the scope of the present document.

NOTE 6: How the primary MCPTT system routes the SIP request through an exit MCPTT gateway server is out of the scope of the present document.

7) shall generate a SIP MESSAGE request in accordance with 3GPP TS 24.229 [4] and IETF RFC 3428 [33];

8) shall set the Request-URI of the outgoing SIP MESSAGE request to the public service identity of the controlling MCPTT function determined in step 6);

9) shall copy the contents of the application/vnd.3gpp. mcptt-info+xml MIME body in the received SIP MESSAGE request into an application/vnd.3gpp.mcptt-info+xml MIME body as specified in clause F.1 included in the outgoing SIP MESSAGE request;

10) shall set the <mcptt-calling-user-id> contained in <mcptt-Params> element of the application/vnd.3gpp.mcptt-info+xml MIME body to the MCPTT ID determined in step 2) above;

11) shall copy the contents of the application/resource-lists+xml MIME body in the received SIP MESSAGE request into an application/resource-lists+xml MIME body in the outgoing SIP MESSAGE request;

12) shall set the P-Asserted-Identity in the outgoing SIP MESSAGE request to the public user identity in the P-Asserted-Identity header field contained in the received SIP MESSAGE request;

13) shall include an Accept-Contact header field containing the g.3gpp.mcptt media feature tag along with the "require" and "explicit" header field parameters according to IETF RFC 3841 [6];

14) shall include an Accept-Contact header field with the media feature tag g.3gpp.icsi-ref with the value of "urn:urn-7:3gpp-service.ims.icsi.mcptt" along with parameters "require" and "explicit" according to IETF RFC 3841 [6];

15) shall include the ICSI value "urn:urn-7:3gpp-service.ims.icsi.mcptt" (coded as specified in 3GPP TS 24.229 [4]), into the P-Asserted-Service header field of the outgoing SIP MESSAGE request; and

16) shall send the SIP MESSAGE request as specified to 3GPP TS 24.229 [4].

Upon receipt of a SIP 2xx response in response to the SIP MESSAGE request sent in step 16), the participating MCPTT function shall generate a SIP 200 (OK) response and forward the SIP 200 (OK) response to the MCPTT client and

Upon receipt of a SIP 4xx, 5xx or 6xx response to the SIP MESSAGE request, shall forward the error response to the MCPTT client.

\* \* \* End of Changes \* \* \* \*