**3GPP TSG- Meeting #**

**Maastricht, , -**

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| *CR-Form-v12.3* | | | | | | | | |
| **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 | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** | CT1 | | | | | | | | | |
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| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
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| ***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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
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| ***Reason for change:*** | | Group-regroup procedures are having typo’s. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Group-regroup related typo’s to be corrected. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Leads to diffent interpretation. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 16.2.4.1, 17.4.2.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |
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| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* \* First Change \* \* \* \*

### 16.2.4 Non-controlling MCPTT function procedures

#### 16.2.4.1 Notification of creation of a group regroup using preconfigured group

When receiving a "SIP MESSAGE request to a non-controlling MCPTT function to request creation of a group regroup using preconfigured group" the non-controlling 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, may include a Retry-After header field to the SIP 500 (Server Internal Error) response as specified in IETF RFC 3261 [24], and shall skip the rest of the steps;

2) for each group identified in the <groups-for-regroup> element of an application/vnd.3gpp.mcptt-regroup+xml MIME body in the incoming SIP MESSAGE request for which the MCPTT function is the non-controlling MCPTT function:

a) shall determine if the group is already regrouped, and if the group is already regrouped:

i) shall reject the SIP request with a SIP 403 (Forbidden) response including warning text set to "148 group is regrouped" in a Warning header field as specified in clause 4.4; and

ii) shall not process the remaining steps;

3) shall store:

a) the list of group identities contained in the <groups-for-regroup> element;

b) the value of the <mcptt-regroup-uri> element as the identity of the group regroup;

c) the value of the <preconfigured-group> element of the application/vnd.3gpp.mcptt-regroup+xml MIME body as the identity of the preconfigured group; and

d) information that each of the groups identified in the <groups-for-regroup> element has been regrouped using a preconfigured group;

4) shall send a SIP 200 (OK) response in accordance with 3GPP TS 24.229 [4] and IETF RFC 3428 [33]:

5) for each group identified in the <groups-for-regroup> element of an application/vnd.3gpp.mcptt-regroup+xml MIME body in the incoming SIP MESSAGE request for which the MCPTT function is the non-controlling MCPTT function shall create a separate list of MCPTT IDs for users belonging to and affiliated with the identified group who are served by the same terminating participating MCPTT function;

6) shall merge the lists of MCPTT IDs associated with each terminating participating MCPTT function such that the resulting list associated with a terminating participating MCPTT function contains the MCPTT IDs of all users served by the participating MCPTT function that belong to and are affiliated with any of the groups identified in the <groups-for-regroup> element; and

7) for each terminating participating MCPTT function identified above:

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

b) shall include in the SIP MESSAGE request all Accept-Contact header fields and all Reject-Contact header fields, with their feature tags and their corresponding values along with parameters according to rules and procedures of IETF RFC 3841 [6] that were received (if any) in the incoming SIP MESSAGE request;

c) shall set the Request-URI of the outgoing SIP MESSAGE request to the public service identity of the terminating participating MCPTT function;

NOTE 1: The public service identity can identify the terminating participating MCPTT function in the primary MCPTT system or in a partner MCPTT system.

NOTE 2: If the terminating participating 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 3: If the terminating participating 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 4: How the non-controlling MCPTT function determines the public service identity of the targeted terminating participating MCPTT function or of the MCPTT gateway server in the partner MCPTT system is out of the scope of the present document.

NOTE 5: How the primary MCPTT system routes the SIP request through an exit MCPTT gateway server is out of the scope of the present document.

d) shall copy the contents of the application/vnd.3gpp.mcptt-info+xml MIME body received in the incoming SIP MESSAGE request into an application/vnd.3gpp.mcptt-info+xml MIME body included in the outgoing SIP MESSAGE request;

e) shall copy the contents of the application/vnd.3gpp.mcptt-regroup+xml MIME body received in the incoming SIP MESSAGE request into an application/vnd.3gpp.mcptt-regroup+xml MIME body included in the outgoing SIP MESSAGE request;

f) shall use the list of MCPTT IDs for this terminating participating MCPTT function as generated in step 3) to create and include the <users-for-regroup> element in the application/vnd.3gpp.mcptt-regroup+xml MIME body;

g) shall include a P-Asserted-Identity header field in the outgoing SIP MESSAGE request set to the public service identity of the non-controlling MCPTT function; and

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

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

### 17.4.2 Adhoc group call setup

This clause describes the originating, and terminating call setup controlling MCPTT function procedures.

#### 17.4.2.1 Originating Procedures

##### 17.4.2.1.1 INVITE targeted to an MCPTT client

This clause describes the procedures for inviting an MCPTT user to an MCPTT session. The procedure is initiated by the controlling MCPTT function as the result of an action in clause 17.4.2.2.

The controlling MCPTT function:

1) shall generate a SIP INVITE request as specified in clause 6.3.3.1.2;

2) shall set the Request-URI to the public service identity of the terminating participating MCPTT function associated to the MCPTT user to be invited;

NOTE 1: The public service identity can identify the terminating participating MCPTT function in the primary MCPTT system or in a partner MCPTT system.

NOTE 2: If the terminating participating 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 3: If the terminating participating 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 4: How the controlling MCPTT function determines the public service identity of the terminating MCPTT participating function or of the MCPTT gateway server in the partner MCPTT system is out of the scope of the present document.

NOTE 5: How the primary MCPTT system routes the SIP request through an exit MCPTT gateway server is out of the scope of the present document.

Editor's Note: [MC\_AHGC, CR 0927] The MCPTT user to be invited in the partner MCPTT system by primary MCPTT system while establishing a call using the get user list procedure is need to be specified.

3) shall set the P-Asserted-Identity header field to the public service identity of the controlling MCPTT function;

4) shall include in the application/vnd.3gpp.mcptt-info+xml MIME body in the outgoing SIP INVITE request with the <mcpttinfo> element containing the <mcptt-Params> element with:

a) the <mcptt-request-uri> element set to the MCPTT ID of the terminating user;

b) the <mcptt-calling-group-id> element set to the adhoc group identity as determined in the clause 17.4.2.2;

c) the <call-participants-criterias> element in the <anyExt> element of the <mcptt-Params> element of the <mcpttinfo> element of the application/vnd.3gpp.mcptt-info+xml MIME body as determined in step 5)/b) in clause 17.4.6.1; and

NOTE 6: The <mcptt-calling-user-id> is already included in the MIME body as a result of calling clause 6.3.3.1.2 in step 1).

d) if end-to-end security is requested for the call, the <anyExt> element with the <preconfigured-group-id> element set to the preconfigured group identity as determined in the clause 17.4.2.2;

5) shall include in the SIP INVITE request an SDP offer based on the SDP offer in the received SIP INVITE request from the originating network according to the procedures specified in clause 6.3.3.1.1;

6) if the in-progress emergency state of the adhoc group is set to a value of "true":

a) shall include a Resource-Priority header field populated with the values for an MCPTT emergency adhoc group call as specified in clause 6.3.3.1.19;

b) if the received SIP INVITE request contained an application/vnd.3gpp.mcptt-info+xml MIME body with the <adhoc-emergency-ind> element set to a value of "true":

i) shall include in the outgoing SIP INVITE request in the application/vnd.3gpp.mcptt-info+xml MIME body an <adhoc-emergency-ind> element set to a value of "true"; and

c) if the in-progress imminent peril adhoc group state is set to a value of "true" shall include in the application/vnd.3gpp.mcptt-info+xml MIME body an <imminentperil-ind> element set to a value of "false";

7) if the in-progress emergency adhoc group state is set to a value of "false" and the in-progress imminent peril adhoc group state is set to a value of "true":

a) shall include a Resource-Priority header field populated with the values for an MCPTT imminent peril adhoc group call as specified in clause 6.3.3.1.19; and

b) shall include in the application/vnd.3gpp.mcptt-info+xml MIME body with the <imminentperil-ind> element set to a value of "true";

8) shall copy the application/vnd.3gpp.mcptt-location-info+xml MIME body from the received SIP INVITE request into the outgoing SIP INVITE request; and

9) shall send the SIP INVITE request towards the terminating network in accordance with 3GPP TS 24.229 [4].

Upon receiving a SIP 183 (Session Progress) response containing a Require header field with the option tag "100rel" to the SIP INVITE request the controlling MCPTT function:

1) shall send a SIP PRACK request towards the MCPTT client according to 3GPP TS 24.229 [4].

Upon receiving a SIP 200 (OK) response for the SIP INVITE request the controlling MCPTT function:

1) shall interact with the media plane as specified in 3GPP TS 24.380 [5] clause 6.3;

2) shall increment the local counter of the number of SIP 200 (OK) responses received from invited members, by 1; and

3) shall send a SIP NOTIFY request to all participants with a subscription to the conference event package as specified in clause 10.1.3.4.

NOTE 7: The procedures executed by the controlling MCPTT function prior to sending a response to the inviting MCPTT client are specified in clause 17.4.2.2.

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