**3GPP TSG-CT WG1 Meeting #157C1-256**

**Sophia Antipolis, France, 13-17 October 2025 was C1-256077**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.379** | **CR** | **1031** | **rev** | **1** | **Current version:** | **19.4.0** |  |
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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:*** | Modify adhoc group call using functional alias | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Kontron Transportation France, UIC | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | FRMCS\_Ph5 | | | | |  | ***Date:*** | | | 2025-09-30 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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:*** | | SA6 CR 0479 S6-253248 introduced the feature Ad hoc group call modify by an authorised user using functional alias(es) as participant list | | | | | | | | |
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| ***Summary of change:*** | | 17.6.1.1: Add option to use list of functional aliases in ad hoc group call modify request  17.4.5.1.1: Enhancements to handle ad hoc group call modify request containing a list of functional aliases | | | | | | | | |
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| ***Consequences if not approved:*** | | Ad hoc group call modify by an authorised user using functional alias(es) as participant list as defined in stage 2 will not be supported by stage 3 | | | | | | | | |
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| ***Clauses affected:*** | | 17.2.6.1.1, 17.4.5.1.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \*

##### 17.2.6.1.1 Client originating procedures

Upon receiving a request from an authorized MCPTT user to modify an ongoing MCPTT session to update the participant list or criteria for the participant list, the MCPTT client shall generate a SIP re-INVITE request as specified in 3GPP TS 24.229 [4]. and:

1) shall include an application/vnd.3gpp.mcptt-info+xml MIME body populated as currently established session;

2) if the authorized user requests to modify the participant list, shall insert in the SIP re-INVITE request an application/resource-lists+xml MIME body with:

a) if MCPTT users to be invited to a call, the MCPTT ID of the invited MCPTT users to be called with the "method" SIP URI parameter set to the value "INVITE" in the "uri" attribute of the each <entry> element of a <list> element of the <resource-lists> element of the application/resource-lists+xml MIME body; and

b) if MCPTT users to be removed from a call, the MCPTT ID of the MCPTT users to be removed with the "method" SIP URI parameter with the value "BYE" in the "uri" attribute of the each <entry> element of a <list> element of the <resource-lists> element of the application/resource-lists+xml MIME body;

c) if MCPTT users to be invited to a call using their functional alias, the functional alias of the invited MCPTT users to be called with the "method" SIP URI parameter set to the value "INVITE" and a "type" SIP URI parameter set to a value of "functional-alias" in the "uri" attribute of the each <entry> element of a <list> element of the <resource-lists> element of the application/resource-lists+xml MIME body; and

d) if MCPTT users to be removed from a call using their functional alias, the functional alias of the MCPTT users to be removed with the "method" SIP URI parameter with the value "BYE" and a "type" SIP URI parameter set to a value of "functional-alias" in the "uri" attribute of the each <entry> element of a <list> element of the <resource-lists> element of the application/resource-lists+xml MIME body;

2a) if the current session is established based on a request from the MCPTT user to include the criteria for determining the list of MCPTT users to be called and the authorized user requests to modify criteria for the participant list, shall insert a <call-participants-criterias> element with one or more criteria as a comma separated list into <anyExt> element of <mcptt-Params> element of <mcpttinfo> element of the application/vnd.3gpp.mcptt-info+xml MIME body;

NOTE: An MCPTT user can request to update either the participant list or criteria for the participant list of an ongoing MCPTT session. If an MCPTT user requests to update both the participant list and criteria for the participant list, the MCPTT client will reject the request. How the MCPTT client rejects the request is out of the scope of the current specification.

3) shall include an SDP offer with the media parameters as currently established according to 3GPP TS 24.229 [4]; and

4) shall send the SIP re-INVITE request according to 3GPP TS 24.229 [4].

On receiving a SIP 2xx response to the SIP re-INVITE request, the MCPTT client:

1) may notify the user about successful call modification request.

On receiving a SIP 4xx response, a SIP 5xx response or a SIP 6xx response to the re-SIP INVITE request, the MCPTT client:

1. may notify the user about call participants modify request failure with an appropriate response along with the description.

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

##### 17.4.5.1.1 Terminating procedures

In the procedures in this clause:

1) MCPTT ID in an incoming SIP re-INVITE request refers to the MCPTT ID of the originating user from the <mcptt-calling-user-id> element of the application/vnd.3gpp.mcptt-info+xml MIME body of the incoming SIP INVITE request;

2) MCPTT ID in an incoming SIP re-INVITE request refers to the MCPTT ID of the MCPTT user to be invited to a call from the "uri" attribute with the "method" SIP URI parameter set to the value "INVITE" of the <entry> element of a <list> element of the <resource-lists> element of the application/resource-lists+xml MIME body of the incoming SIP re-INVITE request, if any;

3) MCPTT ID in an incoming SIP re-INVITE request refers to the MCPTT ID of the MCPTT user to be removed from a call from the "uri" attribute with the "method" SIP URI parameter set to the value "BYE" of the <entry> element of a <list> element of the <resource-lists> element of the application/resource-lists+xml MIME body of the incoming SIP re-INVITE request, if any;

4) functional alias in an incoming SIP re-INVITE request refers to the functional alias of the MCPTT user to be invited to a call from the "uri" attribute with the "method" SIP URI parameter set to the value "INVITE" and a “type” SIP URI parameter set to a value of "functional-alias" of the <entry> element of a <list> element of the <resource-lists> element of the application/resource-lists+xml MIME body of the incoming SIP re-INVITE request, if any; and

5) functional alias in an incoming SIP re-INVITE request refers to the functional alias of the MCPTT user to be removed from a call from the "uri" attribute with the "method" SIP URI parameter set to the value "BYE" and a “type” SIP URI parameter set to a value of "functional-alias" of the <entry> element of a <list> element of the <resource-lists> element of the application/resource-lists+xml MIME body of the incoming SIP re-INVITE request, if any.

Upon receipt of a SIP re-INVITE request for an MCPTT session identifying an on-demand MCPTT adhoc group session, the 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 re-INVITE request with a SIP 500 (Server Internal Error) response. The controlling 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 if the media parameters are acceptable and the MCPTT speech codec is offered in the SDP offer and if not reject the request with a SIP 488 (Not Acceptable Here) response and skip the rest of the steps;

3) if the originating user identified by the MCPTT ID is not authorised to modify (criteria for) the participant list of adhoc group session if the <allow-to-modify-adhoc-group-call-participants-info > element of the <actions> element of a <rule> element of the <ruleset> element of the MCPTT user profile document identified by the MCPTT ID of the originating MCPTT user (see the MCPTT user profile document in 3GPP TS 24.484 [50]) is set to a value of "false", shall send a SIP 403 (Forbidden) response with the warning text set to: "190 user is not authorised to initiate modify adhoc group call participants" in a Warning header field as specified in clause 4.4 and skip the rest of the steps below;

3a) if:

a) the application/resource-lists+xml MIME body with the functional alias of the MCPTT user to be invited to a call or the functional alias of the MCPTT user to be removed from a call exists in the incoming SIP re-INVITE request:

i) shall identify the MCPTT ID(s) of the MCPTT user(s) that have activated the invited functional aliases in the application/resource-lists+xml MIME body of the SIP INVITE request by performing the actions specified in clause 9A.2.2.2.8, and treat the identified MCPTT IDs as MCPTT ID of the MCPTT users to be invited;

ii) shall identify the MCPTT ID(s) of the MCPTT user(s) that have activated the removed functional aliases in the application/resource-lists+xml MIME body of the SIP INVITE request by performing the actions specified in clause 9A.2.2.2.8, and treat the identified MCPTT IDs as MCPTT ID of the MCPTT users to be removed;

iii) if unable to determine any MCPTT ID that has activated any received functional alias of the MCPTT user to be invited to the call or functional alias of the MCPTT user to be removed from the call and no MCPTT ID of the MCPTT users to be invited to the call and no MCPTT ID of the MCPTT users to be removed from the call exists, shall reject the "SIP INVITE request for controlling MCPTT function of a private call" with a SIP 403 (Forbidden) response including a warning text set to "145 unable to determine called party" 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 application/resource-lists+xml MIME body with the MCPTT ID of the MCPTT users to be invited to a call or the MCPTT ID of the MCPTT users to be removed from a call exists in the incoming SIP re-INVITE request:

i) shall check if the number of existing call participants and newly inviting MCPTT users is within the configured limit as specified in the <max-no-participants> element of the <adhoc-group-call> element of the <anyExt> element contained in the <OnNetwork> element of the MCPTT service configuration document (see the service configuration document in 3GPP TS 24.484 [50]). If not within the configured limit, shall send a SIP 403 (Forbidden) response including warning text set to "189 maximum number of allowed adhoc group participants exceeded" in a Warning header field as specified in clause 4.4 and shall skip the rest of the steps;

ii) shall determine the members to invite to the adhoc group session or remove from the adhoc group session based on the local policy and:

A) if the application/resource-lists+xml MIME body with the MCPTT ID of the MCPTT users to be invited to a call exists in the incoming SIP re-INVITE request, shall consider each entry of the MCPTT users to be invited to the adhoc group session. If the same MCPTT IDs appears multiple times, only one occurrence shall be considered. Additionally, if the invitation is the result of a functional alias to be invited to the call, shall include a <called-functional-alias-URI> element into the <anyExt> element of the <mcptt-Params> element of the <mcpttinfo> element of the application/vnd.3gpp.mcptt-info+xml MIME body with the functional alias used to identify the MCPTT ID. How the controlling MCPTT function selects the appropriate MCPTT ID is implementation-specific; and

B) if the application/resource-lists+xml MIME body with the MCPTT ID of the MCPTT user to be removed from a call exists in the incoming SIP re-INVITE request, shall consider each entry of the MCPTT users to be removed from the adhoc group session;

iii) if the determined members in step ii) above are to be invited to the adhoc group session, shall be invited to the adhoc group session, as specified in clause 17.4.2.1.1;

iv) if the determined members in step ii) above are to be removed from the adhoc group session, shall be removed from the adhoc group session, as specified in clause 17.4.3.1; and

v) shall consider all the invited members as implicitly affiliated to the adhoc group and remove the affiliation of the user who are removed from the adhoc group session;

b) the <call-participants-criterias> element in <anyExt> element of the <mcptt-Params> element of the <mcpttinfo> element of the application/vnd.3gpp.mcptt-info+xml MIME body exists in the incoming SIP re-INVITE request, shall perform the operations described in clause 17.4.6.1 using the <call-participants-criterias> element;

5) shall generate a SIP 200 (OK) response according to rules and procedures of 3GPP TS 24.229 [4];

6) shall include in the SIP 200 (OK) response an SDP answer according to 3GPP TS 24.229 [4] with the clarifications specified in clause 6.3.3.2.1;

7) shall include the "norefersub" option tag in a Supported header field according to IETF RFC 4488 [22];

8) shall include the "tdialog" option tag in a Supported header field according to IETF RFC 4538 [23];

9) shall include a P-Asserted-Identity header field in the outgoing SIP 200 (OK) response set to the public service identity of the controlling MCPTT function;

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

a) the g.3gpp.mcptt media feature tag;

b) the g.3gpp.icsi-ref media feature tag containing the value of "urn:urn-7:3gpp-service.ims.icsi.mcptt"; and

c) the isfocus media feature tag; and

11) shall send the SIP 200 (OK) response towards the MCPTT client according to 3GPP TS 24.229 [4].

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