**3GPP TSG-CT WG1 Meeting #146C1-240253r1**

**Online, 22– 26 January 2024**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
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|  | **24.380** | **CR** | **0367** | **rev** | **-** | **Current version:** | **18.4.0** |  |
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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 |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  | Share Callee-Id with Caller in First-to-answer call using pre-established session |
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| ***Source to WG:*** | Motorola Solutions UK Ltd. |
| ***Source to TSG:*** | C1 |
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| ***Work item code:*** | enh4MCPTT |  | ***Date:*** | 2024-01-23 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-18 |
|  | *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 canbe 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:*** | As per the current standards the Caller does not have the Callee-Id infomration when a First-to-Answer call is initiated using pre-established a session. |
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| ***Summary of change:*** | During a First-to-Answer call,the <mcptt-calling-user-id> is updated in the ‘Inviting MCPTT User Identity’ field, wherever ‘Connect’ message is sent to the MCPTT Client, provided privacy or the peer MCPTT ID is not required. |
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| ***Consequences if not approved:*** | The Caller does not have the Callee-Id infomration when a First-to-Answer call is connected using pre-established a session.. |
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| ***Clauses affected:*** | 9.3.2.3.3, 9.3.2.3.5, 9.3.2.4.10 |
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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 ...  |
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| ***Other comments:*** | None |
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| ***This CR's revision history:*** | C1-240253 |

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

##### 9.3.2.3.3 Receive SIP INVITE request (R: SIP INVITE)

Upon receiving a SIP INVITE request from the controlling MCPTT function, if in automatic answer mode, the participating MCPTT function:

1. shall send the Connect message to the invited MCPTT client using the media plane control transport channel defined for this call. The Connect message:

a. shall include the SIP URI received in the Contact header field of the SIP INVITE request in the <MCPTT Session Identity> value in the MCPTT Session Identity field;

b. if the SIP INVITE request included an "application/vnd.3gpp.mcptt-info+xml" MIME body with the <session-type> element set to a value of "prearranged" or "chat":

i. shall include the content of the <mcptt-calling-group-id> element in the MCPTT Group Identity field;

ii. shall include the value 'prearranged' or 'chat' in the <Session Type> value in the MCPTT Session Identity field;

iii. shall include the content of the <mcptt-calling-user-id> element in the Inviting MCPTT User Identity field if available from the SIP INVITE message and privacy of the inviting MCPTT ID is not required; and

iv. shall include 'anonymous@anonymous.invalid' in the Inviting MCPTT User Identity field if the MCPTT ID of the inviting MCPTT user is not available from the SIP INVITE message or privacy of the inviting MCPTT ID is required;

c. if the SIP INVITE request includes an "application/vnd.3gpp.mcptt-info+xml" MIME body with the <session-type> element set to a value of "private" or “first-to-answer”:

.i. shall include the content of the <mcptt-calling-user-id> element in the Inviting MCPTT User Identity field if available from the SIP INVITE message and privacy of the inviting MCPTT ID is not required;

ii. shall include 'anonymous@anonymous.invalid' in the Inviting MCPTT User Identity field if the MCPTT ID of the inviting MCPTT user is not available from the SIP INVITE message or privacy of the inviting MCPTT ID is required;

iii. shall include the value of the <session-type> element in the <Session Type> value in the MCPTT Session Identity field; and

iv. if the MIKEY-SAKKE I\_MESSAGE is included in the received SIP INVITE request, shall include the MIKEY-SAKKE I\_MESSAGE as received, in the PCK I\_MESSAGE field;

d. shall include a Media Streams field, if the negotiated SDP in the pre-arranged session contains more media streams than required by the SDP in the SIP INVITE request; and

NOTE 1: For example if the call is a private call without floor control the Media Streams field needs to be included with the <Control Channel> value set to '0'.

e. shall set the first bit in the subtype of the Connect message to '1' (Acknowledgment is required) as described in clause 8.3.2;

2. shall start timer T55 (Connect);

3. shall initialize counter C55 (Connect) to 1;

4. shall reserve the media channel resources if not yet reserved; and

5. shall enter the 'G: Pre-established session in use' state.

NOTE 2: The case of manual answer is described in 3GPP TS 24.379 [2].

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

##### 9.3.2.3.5 Receive SIP 200 (OK) response to the SIP re-INVITE request (R: 200 OK)

Upon receiving the SIP 200 (OK) response to the SIP re-INVITE request of the pre-established session a call as specified in 3GPP TS 24.379 [2] (call setup with manual answer with pre-established session) the participating MCPTT function:

1. shall send the Connect message to the invited MCPTT client(s) using the media plane control transport channel defined for this call. The Connect message:

a. shall include the SIP URI received in the Contact header field of the SIP re-INVITE request in the <MCPTT Session Identity> value in the MCPTT Session Identity field;

b. if the SIP re-INVITE request included an "application/vnd.3gpp.mcptt-info+xml" MIME body with the <session-type> element set to a value of "prearranged" or "chat":

i. shall include the content of the <mcptt-calling-group-id> element in the MCPTT Group Identity field;

ii. shall include the value 'prearranged' or 'chat' in the <Session Type> value in the MCPTT Session Identity field;

iii. shall include the content of the <mcptt-calling-user-id> element in the Inviting MCPTT User Identity field if available from the SIP re-INVITE message and privacy of the inviting MCPTT ID is not required; and

iv. shall include 'anonymous@anonymous.invalid' in the Inviting MCPTT User Identity field if the MCPTT ID of the inviting MCPTT user is not available from the SIP re-INVITE message or privacy of the inviting MCPTT ID is required;

c. if the SIP re-INVITE request included an "application/vnd.3gpp.mcptt-info+xml" MIME body with the <session-type> element set to a value of "private" or “first-to-answer”:

i. shall include the content of the <mcptt-calling-user-id> element in the Inviting MCPTT User Identity field, if available from the SIP re-INVITE message and privacy of the inviting MCPTT ID is not required;

ii. shall include 'anonymous@anonymous.invalid' in the Inviting MCPTT User Identity field if the MCPTT ID of the inviting MCPTT user is not available from the SIP re-INVITE message or privacy of the inviting MCPTT ID is required; and

iii. shall include the value of the <session-type> element in the <Session Type> value in the MCPTT Session Identity field;

d. shall include a Media Streams field, if the negotiated SDP in the pre-arranged session contains more media streams than required by the SDP in the SIP re-INVITE request; and

NOTE: For example if the call is a private call without floor control the Media Streams field needs to be included with the <Control Channel> value set to '0'.

e. may set the first bit in the subtype of the Connect message to '1' (Acknowledgment is required) as described in clause 8.3.2;

2. shall start timer T55 (Connect);

3. shall initialise counter C55 (Connect) to 1;

4. shall reserve the media channel resources if not yet reserved; and

5. shall enter the 'G: Pre-established session in use' state.

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

##### 9.3.2.4.10 Receive SIP 200 (OK) response (R: 200 OK)

Upon receiving a SIP 200 (OK) response from the controlling MCPTT function, the participating MCPTT function:

1. shall send the Connect message to the MCPTT client which initiated this call using the media plane control transport channel defined for this call. The Connect message:

a. shall include the SIP URI received in the Contact header field of the SIP 200 (OK) response in the <MCPTT Session Identity> value in the MCPTT Session Identity field;

b. if an "application/vnd.3gpp.mcptt-info+xml" MIME body with an <session-type> element is included in the SIP 200 (OK) response, shall include the <Session Type> value in the MCPTT Session Identity field with a value corresponding to the <session-type> element;

c. if an "application/vnd.3gpp.mcptt-info+xml" MIME body with an <session-type> element is not included in the SIP 200 (OK) response, shall include the <Session Type> value set to 'no session type' in the MCPTT Session Identity field;

d. if a Warning header field with a SIP "warn-code" set to the value "399" is received in the SIP 200 (OK) response, shall include the content of the SIP "warn-text" parameter from the received Warning header field in the <Warning Text> value in the Warning Text field;

e. if a P-Answer-State header field is included in the SIP 200 (OK) response, shall include an Answer State field with an <Answer State> value corresponding to the "answer-type" parameter; and

f should set the first bit in the subtype of the Connect message to '1' (Acknowledgment is required) as described in clause 8.3.2;

g. if the incoming SIP 200 (OK) response contained an application/vnd.3gpp.mcptt-info+xml MIME body with <mcptt-calling-user-id>, and if privacy of the inviting MCPTT ID is not required, include the content of the <mcptt-calling-user-id> element in the Inviting MCPTT User Identity field; otherwise include 'anonymous@anonymous.invalid' in the Inviting MCPTT User Identity field ;

2. shall start timer T55 (Connect);

3. shall increment counter C55 (Connect) by 1; and,

4. shall remain in the 'G: Pre-established session in use' state.

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