**3GPP TSG-SA WG6 Meeting #61 S6-242352**

**Jeju Island, South Korea, 20th – 24th May 2024 (revision of S6-242081)**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** | Ambiguity on routing private calls | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | at&t | | | | | | | | | |
| ***Source to TSG:*** | SA6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | enh4MCPTT | | | | |  | ***Date:*** | | | May 9, 2024 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | A |  | | | | | ***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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | How to route a MCPTT private call to its recipient is not clear | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Both target MCPTT ID(s) and Functional alias can be used to route a private call to a called party. To able to route a private call to the called part(ies), at least one of them needs to be included in the call request message. If both of them are included in a call request message the target MCPTT ID(s) will be used as the called part(ies) and the Functional alias is used for information only.  Clarify this architectural requirement in the correcponding call request information flows. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | There is no stage 3 guidance and the stage 3 procedure might not align with the stage 2 architectural requirement. | | | | | | | | |
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| ***Clauses affected:*** | | 10.7.2.1, 10.15.2.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* \* First change \* \* \* \*

#### 10.7.2.1 Information flows for private call in on-network

##### 10.7.2.1.1 MCPTT private call request (MCPTT client to MCPTT server)

Table 10.7.2.1.1-1 describes the information flow MCPTT private call request from the MCPTT client to the MCPTT server.

Table 10.7.2.1.1-1: MCPTT private call request (MCPTT client to MCPTT server) information elements

|  |  |  |
| --- | --- | --- |
| Information Element | Status | Description |
| MCPTT ID | M | The MCPTT ID of the calling party |
| Functional alias | O | The functional alias of the calling party |
| MCPTT ID (see NOTE) | O | The MCPTT ID of the called party |
| Functional alias (see NOTE) | O | The functional alias of the called party |
| Use floor control indication | M | This element indicates whether floor control will be used for the private call. |
| SDP offer | O | Media parameters of MCPTT client. |
| Requested commencement mode | O | An indication that is included if the user is requesting a particular commencement mode |
| Implicit floor request | O | An indication that the user is also requesting the floor. |
| Location information | O | Location of the calling party |
| Requested priority | O | Application priority level requested for this call |
| Transfer indicator | O | Indicates that the MCPTT private call request is a result of a call transfer (true/false) |
| Forwarding indicator | O | Indicates that the MCPTT private call request is a result of a call forwarding.(true/false) |
| Remotely initiated call request indicator | O | Indicates that the MCPTT private call request is a result of receiving of a remotely initiated call request and may be included only for remotely initiated call |
| NOTE: At least one identity shall be present. If both are present the MCPTT ID shall be used to route the call request and the functional alias is just for information. | | |

\* \* \* \* Second change \* \* \* \*

#### 10.15.2.1 MCPTT first-to-answer call request (MCPTT client to MCPTT server)

Table 10.15.2.1-1 describes the information flow MCPTT first-to-answer call request from the MCPTT client to the MCPTT server.

Table 10.15.2.1-1: MCPTT first-to-answer call request (MCPTT client to MCPTT server) information elements

|  |  |  |
| --- | --- | --- |
| Information Element | Status | Description |
| MCPTT ID | M | The MCPTT ID of the calling party |
| Functional alias | O | The functional alias of the calling party |
| MCPTT ID list (see NOTE) | O | The list of MCPTT IDs of the called party |
| Functional alias (see NOTE) | O | The functional alias of the called party |
| Use floor control indication | M | This element indicates whether floor control will be used for the private call. |
| SDP offer | O | Media parameters of MCPTT client. |
| Implicit floor request | O | An indication that the user is also requesting the floor. |
| Location information | O | Location of the calling party |
| NOTE: At least one identity shall be present. If both are present the MCPTT ID list shall be used to route the call request and the functional alias is just for information. | | |