**3GPP TSG-SA WG6 Meeting #35 S6-200209**

**Hyderabad, India, 13th - 17th Jan 2020 (revision of S6-200177)**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.379** | **CR** | **0249** | **rev** | **2** | **Current version:** | **17.1.0** |  |
|  | | | | | | | | |
| *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 | **X** | ME |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Enhancing MCPTT communication requests with application priority capabilities in on-network mode | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | UIC | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eMONASTERY2 | | | | |  | ***Date:*** | | | 2020-01-14 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | 3GPP TS 22.280 requirement [R-6.8.7.2-001] asks to apply application priorities to each communication. This is only partially done in MCPTT service 3GPP TS 23.379 at the moment. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The CR adds the missing requested priority to these MCPTT flows which does not encompass the application priority.  In detail following will be addressed:   1. Emergency as well as imminent peril communication can also use the requested priority in the future, but only the available indicator or the requested priority can be used. 2. In order to prioritize the emergency alert request as desired in the 3GPP transport system, this can be determined by the request. 3. In some cases, the missing requested priority is updated in some server to server flows in order to ensure the application priority also in the target server and its 3GPP system. | | | | | | | | |
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| ***Consequences if not approved:*** | | Missing capabilities in the MCPTT service context. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 10.6.2.2.1, 10.6.2.2.3, 10.6.2.2.5, 10.6.2.2.8, 10.6.2.2.34, 10.6.2.2.36, 10.7.2.1.2, 10.7.2.1.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | None | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | S6-200023, S6-200177 | | | | | | | | |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*1st Change\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

##### 10.6.2.2.1 MCPTT emergency group call request

Table 10.6.2.2.1-1 describes the information flow MCPTT emergency group call request from the MCPTT client to the MCPTT server and from the MCPTT server to the MCPTT client.

Table 10.6.2.2.1-1 MCPTT emergency group call request information elements

|  |  |  |
| --- | --- | --- |
| Information Element | Status | Description |
| MCPTT ID | M | The identity of the calling party |
| Functional alias | O | The functional alias of the calling party |
| MCPTT group ID | M | The MCPTT group ID on which the call is to be conducted |
| Emergency indicator | M | Indicates that the group call request is an MCPTT emergency call |
| Alert indicator | M | Indicates whether an emergency alert is to be sent |
| Implicit floor request (NOTE) | O | Indicates that the originating client requests the floor. |
| Requested priority | O | Priority level requested for the call. |
| Location | O | Location of the calling party |
| NOTE: This element shall be included only when this information flow is from the client to the server and the originating client requests the floor. | | |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*2nd Change\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

##### 10.6.2.2.3 MCPTT emergency alert request

Table 10.6.2.2.3-1 describes the information flow MCPTT emergency alert request from the MCPTT client to the MCPTT server.

Table 10.6.2.2.3-1 MCPTT emergency alert request information elements

|  |  |  |
| --- | --- | --- |
| Information Element | Status | Description |
| MCPTT ID | M | The identity of the alerting party |
| Functional alias | O | The functional alias of the alerting party |
| MCPTT group ID | M | The MCPTT group ID with which the alert is associated |
| Requested priority | O | Priority level requested for the emergency alert indication. |
| Location | O | The alerting MCPTT client's location |

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##### 10.6.2.2.5 MCPTT imminent peril group call request

Table 10.6.2.2.5-1 describes the information flow MCPTT imminent peril group call request from the MCPTT client to the MCPTT server and from the MCPTT server to the MCPTT client.

Table 10.6.2.2.5-1 MCPTT imminent peril group call request information elements

|  |  |  |
| --- | --- | --- |
| Information Element | Status | Description |
| MCPTT ID | M | The identity of the calling party |
| Functional alias | O | The functional alias of the calling party |
| MCPTT group ID | M | The MCPTT group ID on which the call is to be conducted |
| Imminent peril indicator | M | Indicates that the group call request is an imminent peril call |
| Implicit floor request (NOTE) | O | Indicates that the originating client requests the floor |
| Requested priority | O | Priority level requested for the call. |
| Location | O | Location of the calling party |
| NOTE: This element shall be included only when this information flow is from the client to the server and the originating client requests the floor. | | |

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##### 10.6.2.2.8 Group call request (MCPTT server – MCPTT server)

Table 10.6.2.2.8-1 describes the information flow group call request between the MCPTT servers.

Table 10.6.2.2.8-1 Group call request 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 group ID | M | The MCPTT group ID of the group on which the call is initiated |
| SDP offer | M | Media parameters of MCPTT server |
| Broadcast indicator | O | Indicates that the group call request is for a broadcast group call |
| Implicit floor request (NOTE) | O | Indicates that the originating client requests the floor. |
| Requested priority | O | Priority level requested for the call. |
| Location information | O | Location of the calling party |
| NOTE: This element shall be included only when the originating client requests the floor. | | |

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##### 10.6.2.2.34 Preconfigured regroup request (MCPTT client – MCPTT server)

Table 10.6.2.2.34-1 describes the information flow preconfigured regroup request from the MCPTT client to the MCPTT server.

Table 10.6.2.2.34-1 Preconfigured regroup request information elements

|  |  |  |
| --- | --- | --- |
| Information Element | Status | Description |
| MCPTT ID | M | The MCPTT ID of the requester |
| MCPTT group ID | M | MCPTT group ID of the regroup group |
| MCPTT group ID | M | MCPTT group ID of the MCPTT group from which configuration is to be taken |
| MCPTT group ID list | O  (see NOTE) | List of MCPTT groups to be regrouped into the preconfigured group regroup group |
| MCPTT user ID list | O  (see NOTE) | List of MCPTT users to be regrouped into the preconfigured user regroup group |
| Requested priority | O | Priority level requested for the call. |
| NOTE: One and only one of these shall be present. | | |

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##### 10.6.2.2.36 Preconfigured regroup request (MCPTT server – MCPTT server)

Table 10.6.2.2.36-1 describes the information flow preconfigured regroup request from the MCPTT server to the MCPTT server.

Table 10.6.2.2.36-1 Preconfigured regroup request information elements

|  |  |  |
| --- | --- | --- |
| Information Element | Status | Description |
| MCPTT ID | M | The MCPTT ID of the requester |
| MCPTT group ID | M | MCPTT group ID of the regroup group |
| MCPTT group ID | M | MCPTT group ID of the MCPTT group from which configuration is to be taken |
| MCPTT group ID list | O  (see NOTE) | List of MCPTT groups to be regrouped into the preconfigured regroup group |
| MCPTT user ID list | O  (see NOTE) | List of MCPTT users to be regrouped into the preconfigured user regroup group |
| Requested priority | O | Priority level requested for the call. |
| NOTE: One and only one of these shall be present. | | |

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##### 10.7.2.1.2 MCPTT private call request (MCPTT server to MCPTT server)

Table 10.7.2.1.2-1 describes the information flow MCPTT private call request from the MCPTT server to the MCPTT server.

Table 10.7.2.1.2-1: MCPTT private call request (MCPTT server 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 | M | The MCPTT ID of the called party |
| Functional alias | 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 | M | Media parameters of MCPTT client. |
| Requested commencement mode | O | An indication of the commencement mode to be used. |
| Implicit floor request | O | An indication that the user is also requesting the floor. |
| Requested priority | O | Priority level requested for the call. |
| Location information | O | Location of the calling party |

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##### 10.7.2.1.5 MCPTT emergency private call request (MCPTT client to MCPTT server)

Table 10.7.2.1.5-1 describes the information flow MCPTT emergency private call request from the MCPTT client to the MCPTT server.

Table 10.7.2.1.5-1: MCPTT emergency 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 (NOTE) | O | The MCPTT ID of the called party |
| Functional alias (NOTE) | O | The functional alias of the called party |
| Emergency indicator | M | Indicates that the private call request is an MCPTT emergency call |
| Alert indicator | M | Indicates whether an emergency alert is to be sent |
| Requested commencement mode | O | An indication of the commencement mode to be used. |
| Implicit floor request | O | An indication that the user is also requesting the floor. |
| SDP offer | M | Media parameters of MCPTT client. |
| Requested priority | O | Priority level requested for the call. |
| Location information | O | Location of the calling party |
| NOTE: Only one identity shall be present. | | |

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