**3GPP TSG-SA WG6 Meeting #61 S6-242354**

**Jeju Island, South Korea, 20th – 24th May 2024 (revision of S6-242162)**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.282** | **CR** |  | **rev** | **1** | **Current version:** | **19.2.0** |  |
|  | | | | | | | | |
| *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 |  | ME | **x** | Radio Access Network |  | Core Network | **x** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | IP address(es) of target data host(s) or server(s) | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Kontron Transportation France, UIC | | | | | | | | | |
| ***Source to TSG:*** | SA6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | enh4MCPTT | | | | |  | ***Date:*** | | | 2024-05-20 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | The session charactaristics of the IP connection are not known by both the origination and terminating data hosts.    **Figure 5.11-1: IP connectivity model** | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Adding SDP offer and SDP answer to the MCData IPcon point-to-point request/response. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Originating data host cannot route IP packets to target data host(s) or server(s) using MCData transport service. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.14.2.1.1, 7.14.2.1.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\* \* \* \* Start of change \* \* \* \*

7.14.2.1.1 MCData IPcon point-to-point request

Table 7.14.2.1.1-1 describes the information flow of the MCData IPcon point-to-point request sent from the MCData client to the MCData server.

**Table 7.14.2.1.1-1: MCData IPcon point-to-point request (MCData client to MCData server)**

|  |  |  |
| --- | --- | --- |
| **Information element** | **Status** | **Description** |
| MCData ID | M | The MCData identity of the originator MCData user; |
| Functional alias | O | The associated functional alias of the originator MCData user; |
| MCData ID | O  (NOTE 2) | The MCData identity of the target MCData client IP connectivity is requested. |
| Functional alias | O (NOTE 2) | The functional alias of the target MCData client. |
| SDP offer | M | Offered media parameters describing the requested characteristics of the IP tunnel between the MCData UEs. |
| Requested Priority  (NOTE 3) | O | Application priority level requested for this communication. |
| Location Information | O  (NOTE 1) | Actual location information of the originating MCData user; |
| Time Limit | O | Proposed time limit of the requested IP connectivity (1min- infinite); |
| Establishment reason | O | IP connectivity establishment reason |
| NOTE 1: This information contains the latest available location information of the requesting MCData user that may be different to the latest available location information in the MC system.  NOTE 2: Either the MCData ID or the functional alias of the target MCData user must be present.  NOTE 3: The predefined priority of the MC service user is applied by the MCData server if the requested priority is not present or not accepted by the MCData server. | | |

**Table 7.14.2.1.1-2: MCData IPcon point-to-point request (MCData server to MCData client)**

|  |  |  |
| --- | --- | --- |
| **Information element** | **Status** | **Description** |
| MCData ID | M | The MCData identity of the originator MCData user; |
| MCData ID | M | The MCData identity of the target MCData client IP connectivity is requested. |
| SDP offer | M | Offered media parameters describing the requested characteristics of the IP tunnel between the MCData UEs. |
| Location Information | O  (NOTE 1) | Actual location information of the originating MCData user; |
| Time Limit | O | Proposed time limit of the requested IP connectivity (1min- infinite); |
| Establishment reason | O | IP connectivity establishment reason |
| NOTE 1: This information contains the latest available location information of the requesting MCData user. | | |

7.14.2.1.2 MCData IPcon point-to-point response

Table 7.14.2.1.2-1 describes the information content of the MCData IPcon point-to-point response as answer to MCData IPcon point-to-point request.

**Table 7.14.2.1.2-1: MCData IPcon point-to-point response**

|  |  |  |
| --- | --- | --- |
| **Information element** | **Status** | **Description** |
| MCData ID | M | The MCData identity of the targeted MCData user. |
| MCData ID | M | The MCData identity of the requesting MCData user. |
| SDP | O | Media parameters selected. This shall be present if the IP connectivity establishment result is successful. |
| Time Limit | O | Negotiated time (1 min – infinite) |
| IP connectivity status | M | IP connectivity establishment result |

\* \* \* \* End of change \* \* \* \*