**3GPP TSG-SA WG6 Meeting #39-e S6-201359**

**e-meeting, 31st August – 8th September 2020 (revision of S6-xxxxxx)**

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| *CR-Form-v12.0* | | | | | | | | |
| **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:*** | Clarification to location information reporting | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | BDBOS | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | enh3MCPTT | | | | |  | ***Date:*** | | | 2020-09-02 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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:*** | | The given information flow given in 10.9.2.3 does not provide a description for the usage with the described procedure in 10.9.3.6.2, so that the location information reporting from the location management server to the MC service server as well as to the location management client lacks of detailed information.  Minor editorial modification. | | | | | | | | |
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| ***Summary of change:*** | | Providing more details to information flows as well as editorial modification | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Missing guidance for the usage of location information reporting. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 10.9.2.3,10.9.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

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

#### 10.9.2.3 Location information request

Tables 10.9.2.3-1, 10.9.2.3-2 and 10.9.2.3-3 describe the information flow from the MC service server to the location management server and from the location management server to the location management client and from location management client to location management server respectively for requesting an immediate location information report.

Table 10.9.2.3-1: Location information request (MC service server to location management server)

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| MC service ID list (see NOTE 1 and NOTE 2) | O | List of MC service users whose location information is requested |
| Functional alias (see NOTE 1) | O | Location information of MC service users who have activated this functional alias is requested |
| NOTE 1: Either the MC service ID list or the functional alias must be present. Only applies within one MC system.  NOTE 2: Must be present for requesting location information from an interconnected MC system. | | |

Table 10.9.2.3-2: Location information request (Location management server to location management client)

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| MC service ID | M | Identity of MC service user whose location information is requested |
| MC service ID | O | Identity of the requested MC service user (e.g. MCPTT ID, MCVideo ID, MCData ID) |
| Functional alias | O | Functional alias that corresponds to the requested MC service user (e.g. MCPTT ID, MCVideo ID, MCData ID) |

Table 10.9.2.3-3: Location information request (Location management client to location management server)

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| MC service ID | M | Identity of the requesting authorized MC service user (e.g. MCPTT ID, MCVideo ID, MCData ID) |
| MC service ID list (see NOTE 1 and NOTE 2) | O | List of MC service users whose location information is requested |
| Functional alias | O | Functional alias that corresponds to the requesting MC service user (e.g. MCPTT ID, MCVideo ID, MCData ID) |
| Functional alias (see NOTE 1) | O | Functional alias that corresponds to the requested MC service user(s) (e.g. MCPTT ID, MCVideo ID, MCData ID) |
| NOTE 1: Either the MC service ID list or the functional alias must be present. Only applies within one MC system.  NOTE 2: Must be present for requesting location information from an interconnected MC system. | | |

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

#### 10.9.2.2 Location information report

Table 10.9.2.2-1 describes the information flow from the location management client to the location management server for the location information reporting.

Table 10.9.2.2-1: Location information report (LMC – LMS)

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| MC service ID list | M | List of identities of the reporting MC service user on the MC service UE (e.g. MCPTT ID, MCVideo ID, MCData ID) |
| Functional alias(es) (see NOTE 1) | O | Functional alias that corresponds to the MC service ID. |
| Triggering event | M | Identity of the event that triggered the sending of the report |
| Location Information (see NOTE 2) | M | Location information of the individual MC service user |
| NOTE 1: Each functional alias corresponds to an individual MC service ID. Only applies within one MC system.  NOTE 2: This may contain multiple sets of elements for the MC service user. The following elements shall accompany the location information elements: time of measurement and optional accuracy. The following location information elements shall be optional (configurable) present: longitude, latitude, speed, bearing, altitude, ECGI, MBMS SAIs, with at least one provided. | | |

Table 10.9.2.2-2 describes the information flow from the location management server to the MC service server for the location information reporting.

Table 10.9.2.2-2: Location information report (LMS – MC service server)

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| MC service ID | M | Identity of the reporting MC service user on the MC service UE |
| Functional alias | O | Functional alias that corresponds to the MC service ID. |
| Triggering event | M | Identity of the event that triggered the sending of the report |
| Location Information (see NOTE) | M | Location information of the individual MC service user |
| NOTE: This may contain multiple sets of elements for the MC service user. The following elements shall accompany the location information elements: time of measurement and optional accuracy. The following location information elements shall be optional (configurable) present: longitude, latitude, speed, bearing, altitude, ECGI, MBMS SAIs, with at least one provided. | | |

Table 10.9.2.2-3 describes the information flow from the location management server to the location management client for the location information reporting.

Table 10.9.2.2-3: Location information report (LMS – LMC)

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| MC service ID list | M | List of identities of the reporting MC service user on the MC service UE (e.g. MCPTT ID, MCVideo ID, MCData ID) |
| Functional alias(es) (see NOTE 1) | O | Functional alias that corresponds to the MC service ID. |
| Triggering event | M | Identity of the event that triggered the sending of the report |
| Location Information (see NOTE 2) | M | Location information of the individual MC service user |
| NOTE 1: Each functional alias corresponds to an individual MC service ID. Only applies within one MC system.  NOTE 2: This may contain multiple sets of elements for the MC service user. The following elements shall accompany the location information elements: time of measurement and optional accuracy. The following location information elements shall be optional (configurable) present: longitude, latitude, speed, bearing, altitude, ECGI, MBMS SAIs, with at least one provided. | | |

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

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

\* \* \* End of Change \* \* \* \*