**3GPP TSG-SA WG6 Meeting #62 S6-243308**

**Maastricht, Netherlands, 19th – 23rd August 2024 (revision of S6-24abcd)**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **0578** | **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:*** | Client-triggered location reporting procedure update to remove on-demand indication | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Samsung | | | | | | | | | |
| ***Source to TSG:*** | SA6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | enhMC | | | | |  | ***Date:*** | | | 2024-08-19 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | |  |
|  | *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 location reporting trigger information flow and Client-triggered location reporting procedure is for setting the trigger for location reporting, however it also includes on-demand case of reporting location information immediately. There is dedicated procedure for the on-demand request, hence its redundant to keep it in trigger setting procedure. The triggers in the location reporting triggers are optional but should be mandatory or conditionally present. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 10.9.2.4: The Location reporting trigger updated to remove an indication for immediate report (on-demand) and updated IE’s to properly indicate that only triggering conditions are mandatory in the request.  10.9.3.3: Client-triggered location reporting procedure – Updated for following  1> The step 2 is updated to support only for event-triggered location reporting procedure. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Incorrect information elements are used for the client triggered location reporting and also creates confusion on which request is used for on-demand (dedicated or as part of location reporting trigger) | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 10.9.2.4, 10.9.3.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

#### 10.9.2.4 Location reporting trigger

Table 10.9.2.4-1 describes the information flow from the location management client to the location management server for triggering a location reporting procedure.

Table 10.9.2.4-1: Location reporting trigger

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| MC service ID | M  (see NOTE 1) | Identity of the requesting authorized MC service user (e.g. MCPTT ID, MCVideo ID, MCData ID) |
| Functional alias | O | Functional alias that corresponds to the requesting MC service user (e.g. MCPTT ID, MCVideo ID, MCData ID) |
| MC service ID | O  (see NOTE 1)  (see NOTE 3) | Identity of the requested MC service user (e.g. MCPTT ID, MCVideo ID, MCData ID) |
| Functional alias | O  (see NOTE 3) | Functional alias that corresponds to the requested MC service user (e.g. MCPTT ID, MCVideo ID, MCData ID). |
|  |  |  |
| Requested non-emergency location information | O  (see NOTE 4) | Identifies what location information is requested, except for emergency calls or imminent peril calls or emergency alerts or in emergency state |
| Requested emergency location information | O  (see NOTE 4) | Identifies what location information is requested, for emergency calls or imminent peril calls or emergency alerts or in emergency state |
| Triggering criteria in non- emergency cases | O  (see NOTE 2) | Identifies when the client will send the location report in non-emergency cases |
| Triggering criteria in emergency cases | O  (see NOTE 2) | Identifies when the client will send the location report in emergency cases |
| Minimum time between consecutive reports | O | Defaults to 0 if absent and 0 for emergency calls, imminent peril calls and emergency alerts |
| NOTE 1: The identity of the requesting MC service user and the requested MC service user shall belong to the same MC service. E.g. if requesting MC service user is using a MCPTT ID, then the requested MC service user identity shall be an MCPTT ID.  NOTE 2: At least one of these rows shall be present.  NOTE 3: Either the MC service ID or the functional alias must be present.  NOTE 4: The requested location information IE should always corresponds to the triggering criteria IE. | | |

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

#### 10.9.3.3 Client-triggered location reporting procedure

NOTE 1: This procedure is valid for single MC system operation only.

Figure 10.9.3.3-1 illustrates the high level procedure of client-triggered location reporting.



Figure 10.9.3.3-1: Client-triggered location reporting procedure

1. Location management client 2 (authorized MC service user) sends a location reporting trigger to the location management server to activate a location reporting procedure for obtaining the location information of location management client 1.

2. Location management server checks whether location management client 2 is authorized to send a location reporting trigger for location management client 1's location information. Depending on the information specified by the location reporting trigger, the location management server initiates an event-triggered location reporting procedure for the location of location management client 1 as specified in the clause 10.9.3.1.

\* \* \* \* End of changes \* \* \* \*