**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 canbe 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)* |
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| ***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 following1> The step 2 is updated to support only for event-triggered location reporting procedure. |
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| ***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) |
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| ***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

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| --- | --- | --- |
| 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 \* \* \* \*