**3GPP TSG-SA WG6 Meeting #63S6-244401**

**Hyderabad, India, 14th – 18th October 2024 (revision of S6-244055)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.280** | **CR** | **0592** | **rev** | **1** | **Current version:** | **19.4.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Netherlands Police | | | | | | | | | |
| ***Source to TSG:*** | SA6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | enhMC | | | | |  | ***Date:*** | | | 2024-10-02 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Release 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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The mechanisms between requesting client, location server and target clients are unclear. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Clarification on aggregation of triggers by the location management server. Clarification on need to subscribe to event-triggered location reports. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Unclarity in stage 3 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 10.9.3.8.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

##### 10.9.3.8.2 Client-triggered periodic location information report

Figure 10.9.3.8.2-1 illustrates the procedure when a location management client requests periodic location information from other location management clients for location information reporting using functional aliases which may be shared between several MC service users. Under this condition, the actual location of all MC service users sharing the same functional alias are reported.

Pre-conditions:

1. MC service client 2 and MC service client 3 share the same functional alias.

2. MC service client 2 and MC service client 3 activated the functional alias.

3. MC service client 1 may have an activated functional alias.

4. The location management server has subscribed to the functional alias controlling MC service server within the MC system for functional alias activation/de-activation updates.

5. MC service client 1 has subscribed to the location management server to receive location reports from the functional alias that is shared by MC service client 2 and 3.

 Figure 10.9.3.8.2-1: Periodic location information report for shared functional alias

1. Location management client 1 sends a location reporting trigger, limited to one MC service at the time, to the location management server to activate a periodic location reporting procedure which shall retrieve the location information of the MC service users sharing the contained functional alias. Location management client 1 may include its own activated functional alias.

2. Location management server resolves the target functional alias and checks whether location management client 1 is authorized to send a location reporting trigger for location information for location management clients 2 and 3 that have activated the functional alias.

3. Depending on the information given by the location reporting trigger and aggregation of other trigger requests towards the same target location management clients, the location management server uses event-triggered location information procedure to the location management clients that have activated the functional alias requested by the location management client 1.

NOTE 1: The location management server aggregates trigger requests from the MC service servers and from location management clients. Therefore, the actual triggers configured by the location management server may be different from the triggers requested by location management client 1.

NOTE 2: If the target functional alias is simultaneously shared between several MC service IDs, all location management clients with the associated MC service IDs will continue sending triggered location reports until the functional alias status change for the individual MC service ID.

NOTE 3: If the target functional alias has been newly activated for an MC service client, the location management server will also apply step 3 for this location management client.

NOTE 4: If the target functional alias is deactivated for an MC service client, the aggregated triggers for corresponding location management client may be updated and location reports from the corresponding location management client are no longer delivered to location management client 1.

4. Upon receiving the reports, the location management server updates location of the reporting location management clients.

5. The location management server checks whether location management client 1 is authorized to receive location information for all location management clients that have activated the target functional alias.

6. Based on the received location information reports and the subscription by location management client 1, the location management server will periodically issue location information notifications, one at a time for each location management client for which location management client 1 is authorized to receive location information, encompassing the MC service ID, the associated functional alias, the individual location information of the addressed MC service ID and the optional MC service UE label, if present.

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