**3GPP TSG- Meeting #61 *S6-242339***

**Jeju, South Korea, - (revision of S6-242023)**

|  |
| --- |
| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** |  | **rev** | 3 | **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)*.* |
|  |

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

|  |
| --- |
|  |
| ***Title:***  |  |
|  |  |
| ***Source to WG:*** |  |
| ***Source to TSG:*** | SA6 |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** | C |  | ***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)* |
|  |  |
| ***Reason for change:*** | Updating location reporting configuration is required to meet some SA1 requirements placed on MC Location. Although this can be achieved in stage 3 MCPTT protocols, it is not indicated in stage 2. This CR proposes to add a note in this regard to TS 23.280. |
|  |  |
| ***Summary of change:*** | The changes relate to adding a note to section 10.9.3.1 of TS 23.280. |
|  |  |
| ***Consequences if not approved:*** | It is not clear how updating location reporting configuration can be achieved, within the TS 23.280 spec. |
|  |  |
| ***Clauses affected:*** | 10.9.3.1 |
|  |  |
|  | **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 \* \* \* \*

10.9.3.1 Event-triggered location reporting procedure

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

The location management server provides location reporting configuration to the location management clients, indicating what information the location management server expects and what events will trigger the sending of this information to the location management server. The decision to report location information can be triggered at the location management client by different conditions. The conditions could include, for example, the reception of the location reporting configuration, initial registration, distance travelled, elapsed time, cell change, MBMS SAI change, MBMS session change, leaving a specific MBMS bearer service area, tracking area change, PLMN change, call initiation, or other types of events such as emergency alert, emergency call or imminent peril calls. The location report can include information described as time of measurement, accuracy, longitude, latitude, speed, bearing, altitude, ECGI, MBMS SAIs.

****

**Figure 10.9.3.1-1: Event-triggered location reporting procedure**

1. The location management server sends location reporting configuration message to the location management client(s) containing the initial configuration (or a subsequent update) for reporting the location of the MC service UE. This message can be sent over a unicast bearer to a specific location management client or as a group message over an MBMS bearer to update the location reporting configuration for multiple location management clients at the same time.

NOTE 2: The location reporting configuration information can be made part of the user profile, in which case the sending of the message is not necessary.

NOTE 3: Different location management clients may be given different location reporting criteria.

NOTE 4: A subsequent update to the location reporting configuration may contain only the information elements that need updating, from Table 10.9.2.1-1. The IEs that are not changed will retain the previous values.

2. A location reporting event occurs, triggering step 3.

3. The location management client sends a location information report to the location management server, containing location information identified by the location management server and available to the location management client.

4. Upon receiving the report, the location management server updates location of the reporting location management client. If the location management server does not have location information of the reporting location management client before, then just stores the reporting location information for that location management client. If the location information report contains an optional MC service UE label, the location management server stores it together with the location information for the reporting location management client.

\* \* \* End of Changes \* \* \* \*