**3GPP TSG-SA WG6 Meeting #42-bis-e S6-210995**

**e-meeting, 12th – 20th April 2021 (revision of S6-210751)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.434** | **CR** | **0047** | **rev** | **2** | **Current version:** | **17.1.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

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

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Location report timestamp support | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Tencent | | | | | | | | | |
| ***Source to TSG:*** | S6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eSEAL, UASAPP | | | | |  | ***Date:*** | | | 2021-04-12 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | For certain VAL services, the location report timestamp plays an important role such as for search and rescure. The current specification does not provide such feature. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add location report timestamp in certain location response information flow | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Missing important timestamp for certain VAL servcies. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 9.3.2.2, 9.3.2.7 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 \* \* \* \*

#### 9.3.2.2 Location information report

Table 9.3.2.2-1 describes the information flow from the location management client to the location management server for the location information reporting or from the location management server to the requesting location management client or VAL server to report location information.

Table 9.3.2.2-1: Location information report

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| Set of identities | M | Set of identities of the reporting VAL users or VAL UEs |
| Triggering event | M | Identity of the event that triggered the sending of the report |
| Location Information | M | Location information |
| Timestamp | O | Timestamp of the location report |

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

#### 9.3.2.7 Location information notification

Table 9.3.2.7-1 describes the information flow from the location management server to the VAL server or the location management client.

Table 9.3.2.7-1: Location information notification

|  |  |  |
| --- | --- | --- |
| Information element | Status | Description |
| Identities list | M | List of the VAL users or VAL UEs whose location information needs to be notified |
| Identity | M | Identity of the VAL user or VAL UE subscribed to location of another VAL user or VAL UE (NOTE) |
| Triggering event | M | Identity of the event that triggered the sending of the notification |
| Location Information | M | Location information |
| Timestamp | O | Timestamp of the location report |
| NOTE: This is only used for location management server sends location information notification to the VAL user or VAL UE who has subscribed the location. | | |