**3GPP TSG- Meeting # *92***

**, , -**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | **1** | **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:*** | SA3-LI (\_US, Rogers Communications Canada) | | | | | | | | | |
| ***Source to TSG:*** | SA3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | | 25 April 2023 |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***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:*** | | SA2 has recently added the capability for intermediate and multiple location queries for LCS in TS 23.273. These capabilities are currently missing from the Stage 2 description of LALS. This CR adds such capability. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add new clause, 7.3.3.2.4 to describe intermediate and multiple location capaiblities for LALS. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The LALS feature Stage 2 description would remain incomplete. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.3.3.2.4 (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Was s3i230257 | | | | | | | | |

START OF CHANGES

START OF FIRST CHANGE

##### 7.3.3.2.4 Intermediate and multiple location provision

A request for immediate or periodic location provision from the ADMF to the LI-LCS Client may carry parameters enabling multiple imtermediate responses from the LCS Server/GMLC to a single LIR issued by the LI-LCS Client (as defined in TS 23.273 [30] clause 6.10.4 and 6.1.3). These parameters include the flag for acceptance of intermediate location estimates and the maximum response time for final location result (see OMA MLP [6], clauses 5.3.60.1 and 5.3.107).

Similar to a single service response, the intermediate location estimates shall include the response parameters defined in clause 7.3.3.4 and shall be delivered by the LI-LCS client as xIRI over LI\_X2 to the MDF2. The MDF2 generates and delivers the IRI messages based on received xIRI to the LEMF over LI\_H2.

END OF FIRST CHANGE

END OF ALL CHANGES