**3GPP TSG- Meeting #**

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
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|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
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| *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 |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  |  |
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| ***Source to WG:*** |  |
| ***Source to TSG:*** |  |
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| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***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 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-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19) Rel-20 (Release 20)* |
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| ***Reason for change:*** | Clause 5.3.5.2 states that other than communications with the LEA, all other communications between the LICF and any other entities shall be proxied by the LIPF. This statement is broad and should include an additional exception for communication between the LICF and other ADMF based entities such as the IQF or the LAF, which are not proxied by the LIPF. Generally this can be handled by having an exception for communication between the LICF any other ADMF based entity. In addition, the 6th and 9th paragrpahs of the same clause state the the IQF or LAF simply obtain answers to the queries, but do not state that they also provide the answers to those queries. |
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| ***Summary of change:*** | The second paragraph is updated to include the exception for ADMF based entities and the sixth and ninth paragraphs are updated to include providing the answers. |
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| ***Consequences if not approved:*** | The LICF can only communicate to other ADMF entities via the LIPF which is inconsistent with the intent of the specification (for example, see Figure 5.4.1-2) and can lead to implementations that do not comply to the standard. Also, answers may not be provided for location queries which would not meet regulatory requirements. |
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| ***Clauses affected:*** | 5.3.5.2 |
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|  | **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:*** | s3i240687 |

## \*\*\*\* START OF FIRST CHANGE \*\*\*\*

#### 5.3.5.2 LICF

The LICF controls the management of the end-to-end life cycle of a warrant. The LICF contains the master record of all sensitive information and LI configuration data. The LICF is ultimately responsible for all decisions within the overall LI system. The LICF, via the LIPF acting as its proxy is responsible for auditing other LI components (POIs, MDFs etc.). The LICF is responsible for communication with administrative LEA systems (LI\_HI1).

The LICF provides the intercept information derived from the warrant for provisioning at the POI, TF, MDF2, and MDF3. With the exception of the communication with the LEA, all other communication between the LICF and any other entities external to the ADMF shall be proxied by the LIPF.

The LICF also maintains and authorises the master list of POIs, IEFs, ICF, TFs, MDFs, and LARFs. In dynamic networks the LIPF is responsible for providing the LICF with any necessary updates to the POI, TF, IEF, ICF, MDF, and LARF list.

The LICF is responsible for management and audit of the IEF(s) and ICF proxied by the LIPF.

The LICF shall support activating and deactivating of IEF identifier association reporting capabilities on a per IEF basis proxied by the LIPF.

The LICF shall provide the IQF with information relating to IEFs and ICF necessary for the IQF to handle queries from the LEA.

If the LICF deactivates event record reporting to an IEF, the LICF shall also instruct the ICF to immediately delete all cached identifier associations which the ICF had received from that IEF.

The LICF shall ensure that the ICF is always activated before IEFs and de-activated after IEFs to ensure that data loss does not occur due to an IEF sending events before an ICF is configured to receive them.

The LICF shall provide the LAF with information necessary for the LAF to handle location acquisition queries from the LEA.

## \*\*\*\* END OF ALL CHANGES \*\*\*\*