**3GPP SA3LI#94 *s3i240487***

**9-12 July 2024, Amsterdam (The Netherlands)**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
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|  |  | **CR** |  | **rev** | **-** | **Current version:** |  |  |
|  |
| *For* ***HE******LP*** *on using this form: comprehensive instructions can be found at 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:***  | Clarifications related to LI\_X1 (Management) |
|  |  |
| ***Source to WG:*** | SA3-LI (NTAC) |
| ***Source to TSG:*** | SA3 |
|  |  |
| ***Work item code:*** | LI18 |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** | **A** |  | ***Release:*** | Rel-16 |
|  | *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. | *Use one of the following releases: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)Rel-19 (Release 19)* |
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| ***Reason for change:*** | Discrepancy between Stage 2 and Stage 3 regarding the responsibilities of the Triggering Function and the use of LI\_X1 and LI\_T2/3, as discussed in s3i240437. |
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| ***Summary of change:*** | Corrections and clarifications to the description of the Triggering Function and LI\_X1 and LI\_T2/T3. |
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| ***Consequences if not approved:*** | Discrepancy between Stage 2 and Stage 3 regarding the responsibilities of the Triggering Function and the use of LI\_X1 and LI\_T2/3, leading to issues with protective monitoring and security assurance. |
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| ***Clauses affected:*** | 5.3.3, 5.4.4.2, 5.4.4.3, 5.4.7.2, 5.4.7.3 |
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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:*** |  |

 START OF CHANGE 1

5.3.3 Triggering Function

The **Triggering Function (TF)** is provisioned by the LIPF and is responsible for managing the interception state of triggered functions in response to network and service events matching the criteria provisioned by the LIPF. The Triggering Function detects the target communications and sends a trigger to the associated triggered function, and deactivates interception at the associated triggered function when required.

As a part of this triggering, the Triggering Function shall send all necessary interception rules (i.e. rules that allow the POIs to detect the target communications), forwarding rules (i.e. MDF2, MDF3 address), target identity, and the correlation information.

A Triggering Function may interact with other POIs to obtain correlation information. Details of this interface are not specified by the present document.

The Triggering Function is responsible for ensuring that the correct interception state is maintained at the associated triggered function, including retrieving information about the current interception state from the triggered function, and reporting this to the LIPF. Subject to operator policy, the Triggering Function may take corrective action when a discrepancy is discovered.

The Triggering Function that triggers CC-POI is referred to as a CC-TF and the Triggering Function that triggers an IRI-POI is referred to as IRI-TF.

 START OF CHANGE 2

5.4.4.2 LIPF and POI

The following are examples of some of the information that may be passed over LI\_X1 to the POI as a part of intercept provisioning:

- Information necessary to associate multiple xIRI/xCC at MDF2/MDF3.

- Target identifier.

- Type of intercept (IRI only; CC only; or IRI and CC).

- Service scoping.

- Further filtering criteria.

- Address of MDF2 or MDF3.

LI\_X1 is also used to modify active interception, to terminate interception when required, and for the LIPF to query the POI for the status of interception. It is also used by the POI to report issues to the LIPF.

The exact nature of the information passed depends on the role of the POI.

The LI\_X1 interface between the LIPF (in the ADMF) and a Triggered POI shall be used only for audit and management purposes, and not for provisioning purposes.

 START OF CHANGE 3

5.4.4.3 LIPF and TF

The following are examples of some of the information that may be passed over LI\_X1 to the TF as a part of intercept provisioning:

- Information necessary to associate multiple xIRI/xCC at MDF2/MDF3.

- Target identifier.

- Type of intercept (IRI only; CC only; or IRI and CC).

- Service scoping.

- Further filtering criteria.

- Address of MDF2 or MDF3.

LI\_X1 is also used to modify active interception being controlled by the TF, to terminate interception when required and to query the TF of the status of interception, including the status of interception at the triggered POIs under the control of the TF.

The exact nature of the information passed depends on the role of the TF.

 START OF CHANGE 4

5.4.7.2 Interface LI\_T2

The LI\_T2 interface is from IRI-TF to IRI-POI.

The following are some of the information passed over this interface to the IRI-POI:

- Target identifier.

- IRI interception rules.

- MDF2 address.

- Correlation information.

The IRI interception rules allow the IRI-POI to detect the target communication information to be intercepted.

LI\_T2 is also used by the IRI-TF to modify active interception at the triggered IRI-POI, to terminate interception when required, and to query the triggered IRI-POI for the status of interception. It is also used by the triggered IRI-POI to report issues to the TF. START OF CHANGE 5

5.4.7.3 Interface LI\_T3

LI\_T3 interface is from CC-TF to CC-POI.

The following are some of the information passed over this interface to CC-POI:

- Target identifier.

- CC interception rules.

- MDF3 address.

- Correlation information.

The CC interception rules allow the CC-POI to detect the target communication information to be intercepted.

LI\_T3 is also used by the CC-TF to modify active interception at the triggered CC-POI, to terminate interception when required, and to query the triggered CC-POI for the status of interception. It is also used by the triggered CC-POI to report issues to the TF.

 END OF CHANGES