**3GPP TSG- Meeting #**

**, , -**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** |  | **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:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***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 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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The current text assumes that the network will use only the architecture and interfaces defined by 3GPP, however, real world implementations often differ from the standard. This CR proposes to clarify how LI requirements apply to non-standard implementations and which portions of the LI solution should be adjusted to ensure that all reportable information is sent to the LEA. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Provide clarifications in a new annex that describes the LI requirements if the core network is deployed in a way that differs from standard. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The way this document is used in non-standard deployments will remain unclear. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1, 7.1, New Annex X | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | s3i240693 | | | | | | | | |

\*\*\*\* START OF FIRST CHANGE (MAIN DOCUMENT) \*\*\*\*

6.1 General

Clause 6 gives details for the configuration of the high-level LI architecture for network layer based interception. It defines aspects of the LI configuration specific to each network under consideration (e.g. 5G), while aspects concerning services delivered over this network are considered in clause 7.

For networks with architectures differing from those described below, see Annex X.2.

\*\*\*\* START OF NEXT CHANGE (MAIN DOCUMENT) \*\*\*\*

7.1 General

Clause 7 provides details for the configuration of the high-level LI architecture for service layer based interception and for network function which are not specific to a single access type or network service (e.g. subscription management functions). It defines aspects of the LI configuration specific to each service under consideration, while aspects concerning network over which the service is delivered (e.g. 5G) are considered in clause 6.

If one of the services listed below is implemented in a non-standard way, see Annex X.3.

\*\*\*\* START OF NEXT CHANGE (MAIN DOCUMENT) \*\*\*\*

Annex X (normative):  
Application to proprietary implementations

# X.1 General

The following clauses describe how the present document may be used to support LI for implementations that support 3GPP defined networks and services but use architectures, protocols, interfaces or procedures that do not align with the 3GPP specifications.

# X.2 Implementation with proprietary Network Layers

Implementations using proprietary Network Layers for 3GPP defined networks and services may use the present document to describe the functional system requirements with the following changes:

* The LI architecture shall be adjusted such that the reportable events applicable to the network are still intercepted and reported.
* If the functionality of a network function listed in the present document is supported by another network function, the LI functions shall be implemented such that the xIRI events reportable by the original function are reported at whatever network function replaces the original function.

# X.3 Implementation with proprietary Service Layers

Implementations using proprietary Service Layers for 3GPP defined services may use the present document to describe the functional system requirements with the following changes:

* The LI architecture shall be adjusted such that the reportable events applicable to the service are still intercepted and reported.

- If the implementation of a service does not utilize one of the network elements described in the clause for that service, any xIRI events reportable by network element shall be reported by the LI functions in whatever element replaces that element.

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