**3GPP TSG SA WG3-LI Meeting #96 s3i250086**

**Sophia Antipolis (France), 28 Jan - 31 2025**

**Title: Revised WID on Lawful Interception Rel-20**

**Source: OTD\_US**

**Document for: Approval**

**Agenda Item: 11.1**

*Abstract: It is proposed to add a new objective with justification and expected output to the Release 20 Lawful Interception WID in the form of a new TS regarding SCAS requirements for the LI system.*

3GPP™ Work Item Description

Title: Lawful Interception Rel-20

Acronym: LI20

Unique identifier: 1040011

Potential target Release: Rel-20

# 1 Impacts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Affects: | UICC apps | ME | AN | CN | Others (specify) |
| Yes |  |  | X | X |  |
| No | X | X |  |  |  |
| Don't know |  |  |  |  |  |

# 2 Classification of the Work Item and linked work items

## 2.1 Primary classification

### This work item is a:

|  |  |
| --- | --- |
|  | Study |
|  | Normative – Stage 1 |
|  | Normative – Stage 2 |
|  | Normative – Stage 3 |
| X | Normative – Other\* |

**\*LI is a vertical feature spanning Stages 1, 2, & 3.**

**\*SCAS for the LI system.**

## 2.2 Parent Work Item

For a brand-new topic, use “N/A” in the table below. Otherwise indicate the parent Work Item.

|  |  |  |  |
| --- | --- | --- | --- |
| Parent Work / Study Items | | | |
| Acronym | Working Group | Unique ID | Title (as in 3GPP Work Plan) |
|  |  |  |  |

### 2.3 Other related Work Items and dependencies

Other Work Items and dependencies will develop as SA2, SA3, SA5, SA6, CT1, CT4 and RAN groups progress their work during R20.

|  |  |  |
| --- | --- | --- |
| Other related Work /Study Items (if any) | | |
| Unique ID | Title | Nature of relationship |
|  |  |  |

**Dependency on non-3GPP (draft) specification:**

N/A

# 3 Justification

3GPP Release 20 adds functionality and capabilities to Release 20 and earlier. National LI requirements will apply to a portion of these Release 20 enhancements and the 3GPP LI service needs to be extended to accommodate these enhancements. LI considerations are necessary at least for following topics:

* 5G core network and NR
* 3GPP Services (e.g. Voice and enhanced location)
* Security assurance for the LI system

In addition, services or features from prior releases which have not been addressed by the LI service specifications or where LI regulations have changed may be considered in Release 20 as needed by service deployments and national requirements.

SA3-LI expect during R20 timescales to develop initial LI proposals / architecture based on SA1 & SA2 6G work.

# 4 Objective

The objective of this work item is to enhance the 3GPP LI service to accommodate Release 20 service enhancements and extensions.

Enhancements to TS 33.126 will address LI Service Stage 1 requirements.

Enhancements to TS 33.107 and TS 33.127 will address LI Architectures and LI functions, LI stage 2.

Enhancements to TS 33.108 and TS 33.128 will address LI stage 3 aspects.

While the WID includes update of TS 33.107 and TS 33.108, this is for maintenance purposes only, with only minor changes to 33.107 and 33.108 expected.

TR 33.928 addresses ADMF logic for provisioning LI.

TS 33.XXX addresses Security Assurance for 3GPP Lawful Interception Functions

# 5 Expected Output and Time scale

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| New specifications {One line per specification. Create/delete lines as needed} | | | | | |
| Type | TS/TR number | Title | For info  at TSG# | For approval at TSG# | Rapporteur |
|  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Impacted existing TS/TR {One line per specification. Create/delete lines as needed} | | | |
| TS/TR No. | Description of change | Target completion plenary# | Remarks |
| TS 33.107 | R20 maintenance of LI architecture and stage 2 functional requirements. | TSG-SA #115  03/2027 | Date subject to final R20 timeline for each Stage +6 months. |
| TS 33.108 | R20 maintenance of LI stage 3 aspects supporting new and enhanced LI architecture elements added to TS 33.107 | TSG-SA #117  09/2027 | Date subject to final R20 timeline for each Stage +6 months. |
| TS 33.126 | Addition of LI R20 stage 1 requirements. | TSG-SA #110  12/2025 | Date subject to final R20 timeline for each Stage +6 months. |
| TS 33.127 | Addition of LI R20 Stage 2 architecture and functionality. | TSG-SA #115  03/2027 | Date subject to final R20 timeline for each Stage +6 months. |
| TS 33.128 | Addition of LI R20 Stage 3 functionality | TSG-SA #117  09/2027 | Date subject to final R20 timeline for each Stage +6 months. |
| TR 33.928 | ADMF logic for provisioning LI | TSG-SA #115  03/2027 | Date subject to final R20 timeline for each Stage +6 months. |
| TS 33.XXX-1  NOTE: Specification number to be taken from the revised WID LI19 in Rel-19 (UID: 970002). | Security Assurance Specification for  3GPP Lawful Interception Functions – Common Baseline | TSG-SA #117  09/2027 |  |

# 6 Work item Rapporteur(s)

Koen Jaspers, PIDS, [k.b.jaspers@minjenv.nl](about:blank), responsible for TS 33.126, TS 33.127 & TS 33.107

Nag Rao, Nokia, [nagaraja.rao@nokia.com](about:blank), responsible for TS 33.128 & TS 33.108, TR 33.928

Michael Bilca, OTD\_US, [mrbilca@trideaworks.com](mailto:mrbilca@trideaworks.com), responsible for TS 33.XXX

# 7 Work item leadership

SA3-LI (SA3)

# 8 Aspects that involve other WGs

None identified yet.

However as the result of work in other groups impacting LI compliance or changes in regulation, other groups such as SA2, SA3, SA5, SA6, CT1, CT4 and RAN may need to undertake work to enable SA3-LI ensure that R20 can meet LI requirements.

# 9 Supporting Individual Members

|  |
| --- |
| Supporting IM name |
| Maketh Secure Limited |
| BT Plc |
| OFCOM (CH) |
| EVE Compliancy Solutions |
| Telefonica |
| Ministère de l'Economie et des Finances |
| ZITiS |
| LKA Niedersachsen |
| Telefon AB LM Ericsson |
| BfV |
| NDRE |
| BKA |
| National Technical Assistance Centre (UK) |
| OTD US |
| PIDS |
| Nokia |
| Nokia Shanghai Bell |
| Verizon |
| T-Mobile USA |
| AT&T |
| Department of Home Affairs |
| Softel Systems Pty Ltd |
| Rogers Communications Canada |
| Public Safety Canada |
| Charter Communications, Inc |
| Deutsche Telekom AG |
| Aqsacom |
| Vodafone |
| UTIMACO TS GmbH |