3GPP TSG|WG3 Meeting #86-LI-e-a S3i220322

Electronic 13th – 15th July 2022

Source: BT Plc (SA3LI Chair)

Title: LI19 WID

Document for: Approval

Agenda Item: 7

3GPP™ Work Item Description

Title: Lawful Interception Rel-19

Acronym: LI19

Unique identifier: TBC

Potential target Release: *{Rel-XX}*

# 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

|  |  |
| --- | --- |
| X | Feature |
|  | Building Block |
|  | Work Task |
|  | Study Item |

## 2.2 Parent Work Item

Not Applicable

|  |  |  |  |
| --- | --- | --- | --- |
| 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 and RAN groups progress their work during R19.

# 3 Justification

3GPP Release 19 adds functionality and capabilities to Release 19 and earlier. National LI requirements will apply to a portion of these Release 19 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)

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 19 as needed by service deployments and national requirements.

# 4 Objective

The objective of this work item is to enhance the 3GPP LI service to accommodate Release 19 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.

# 5 Expected Output and Time scale

|  |  |  |  |
| --- | --- | --- | --- |
| **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 | R19 maintenance of LI architecture and stage 2 functional requirements. | TSG-SA #102  12/2023 | Date subject to final R19 timeline for each Stage +6 months. |
| TS 33.108 | R19 maintenance of LI stage 3 aspects supporting new and enhanced LI architecture elements added to TS 33.107 | TSG-SA #103  03/2024 | Date subject to final R19 timeline for each Stage +6 months. |
| TS 33.126 | Addition of LI R19 stage 1 requirements. | TSG-SA #100  06/2023 | Date subject to final R19 timeline for each Stage +6 months. |
| TS 33.127 | Addition of LI R19 Stage 2 architecture and functionality. | TSG-SA #102  12/2023 | Date subject to final R19 timeline for each Stage +6 months. |
| TS 33.128 | Addition of LI R19 Stage 3 functionality | TSG-SA #103  03/2024 | Date subject to final R19 timeline for each Stage +6 months. |

# 6 Work item Rapporteur(s)

Alex Leadbeater, BT, [alex.leadbeater@bt.com](mailto:alex.leadbeater@bt.com)

Koen Jaspers, PIDS, [kbj@xs4all.nl](mailto:kbj@xs4all.nl), TS 33.126, TS 33.127 & TS 33.107

Nag Rao, Nokia, [nagaraja.rao@nokia.com](mailto:nagaraja.rao@nokia.com), TS 33.128 & TS 33.108

# 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 and RAN may need to undertake work to enable SA3-LI ensure that R19 can meet LI requirements.

# 9 Supporting Individual Members

|  |
| --- |
| Supporting IM name |
| BT Plc |
| OFCOM (CH) |
| EVE Compliancy Solutions |
| Telefonica |
| BAE Systems |
| Ministère de l'Economie et des Finances |
| ZITiS |
| LKA Niedersachsen |
| Telefon AB LM Ericsson |
| BfV |
| NDRE |
| BKA |
| National Technical Assistance Centre (UK) |
| OTD |
| PIDS |
| Nokia |
| Nokia Shanghai Bell |
| Verizon |
| T-Mobile USA |
| AT&T |
| AGD |
| Softel Systems Pty Ltd |
| Rogers Communications Canada |
| Public Safety Canada |
| BMWK |
| Charter Communications, Inc |
|  |
|  |
|  |
|  |
|  |
|  |