



TECHNICAL SPECIFICATION

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5G;
Lawful Interception (LI) architecture and functions
(3GPP TS 33.127 version 19.6.0 Release 19)**



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Sample Document

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Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

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Introduction

The present document has been produced by the 3GPP TSG SA to standardise Lawful Interception of telecommunications. The present document specifies the architecture and functions required to support Lawful Interception in 3GPP networks. Lawful Interception shall always be done in accordance with the applicable national or regional laws and technical regulations. Such national laws and regulations define the extent to which functional capabilities in the present document are applicable in specific jurisdictions.

1 Scope

The present document specifies both the architectural and functional system requirements for Lawful Interception (LI) in 3GPP networks. The present document provides an LI architecture supporting both network layer based and service layer based Interception.

National regulations determine the specific set of LI functional capabilities that are applicable to a specific 3GPP operator deployment.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 23.501: "System Architecture for the 5G System".
- [3] 3GPP TS 33.126: "Lawful interception requirements".
- [4] 3GPP TS 23.502: "Procedures for the 5G System; Stage 2".
- [5] 3GPP TS 23.271: "Functional stage 2 description of Location Services (LCS)".
- [6] OMA-TS-MLP-V3_5-20181211-C: "Open Mobile Alliance; Mobile Location Protocol, Candidate Version 3.5", https://www.openmobilealliance.org/release/MLS/V1_4-20181211-C/OMA-TS-MLP-V3_5-20181211-C.pdf.
- [7] ETSI TS 103 120: "Lawful Interception (LI); Interface for warrant information".
- [8] ETSI TS 103 221-1: "Lawful Interception (LI); Internal Network Interfaces; Part 1: X1".
- [9] 3GPP TS 33.501: "Security Architecture and Procedures for the 5G System".
- [10] ETSI GR NFV-SEC 011: "Network Functions Virtualisation (NFV); Security; Report on NFV LI Architecture".
- [11] 3GPP TS 33.107: "3G Security; Lawful interception architecture and functions".
- [12] 3GPP TS 23.214: "Architecture enhancements for control and user plane separation of EPC nodes; Stage 2".
- [13] 3GPP TS 23.228: "IP Multimedia Subsystem (IMS); Stage 2".
- [14] 3GPP TS 38.413: "NG-RAN; NG Application Protocol (NGAP)".
- [15] 3GPP TS 33.128: "Protocol and Procedures for Lawful Interception; Stage 3".
- [16] ETSI TS 103 221-2: "Lawful Interception (LI); Internal Network Interfaces; Part 2: X2/X3".
- [17] MMS Architecture OMA-AD-MMS-V1_3-20110913-A.
- [18] Multimedia Messaging Service Encapsulation Protocol OMA-TS-MMS_ENC-V1_3-20110913-A.
- [19] 3GPP TS 22.140: "Multimedia Messaging Service (MMS); Stage 1".