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Zakonito prestrežanje (LI) - Slovar skupnih parametrov

Lawful Interception (LI) - Dictionary for common parameters

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Lawful Interception (LI); Dictionary for common parameters

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Lawful Interception (LI).

The ASN.1, JSON Schema and XSD technical implementations are both available as an electronic attachment to the present document.

Modal verbs terminology

In the present document **"shall"**, **"shall not"**, **"should"**, **"should not"**, **"may"**, **"need not"**, **"will"**, **"will not"**, **"can"** and **"cannot"** are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](https://standards.etsi.org/standards/catalog/standards/sist/f58da260-44b9-4381-ba26-befd797da3ab/sist-ts-etsi-ts-103-280-v2-14-1-2025) (Verbal forms for the expression of provisions).

"must" and **"must not"** are **NOT** allowed in ETSI deliverables except when used in direct citation.

1 Scope

The present document defines a dictionary of parameters that are commonly used in multiple TC LI specifications. Aside from defining a dictionary, the present document aims to provide technical means for other specifications to use. It is encouraged to use the present document in the development of new specifications.

It is foreseen that regular maintenance of the present document is required. As such, release management requirements will be defined.

Before accepting any new common parameter, the present document will provide a set of requirements the parameter has to comply to in order to become a common parameter.

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found in the [ETSI docbox](#).

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are necessary for the application of the present document.

- [1] [ETSI TS 102 232-1](#): "Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 1: Handover specification for IP delivery".
- [2] [W3C® Recommendation 5 April 2012](#): "W3C XML Schema Definition Language (XSD) 1.1 Part 2: Datatypes".
- [3] [Recommendation ITU-T X.680](#): "Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation".
- [4] [Recommendation ITU-T E.164](#): "The international public telecommunication numbering plan".
- [5] [Recommendation ITU-T E.212](#): "The international identification plan for public networks and subscriptions".
- [6] [ETSI TS 123 003](#): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Numbering, addressing and identification (3GPP TS 23.003)".
- [7] [ETSI TS 102 657](#): "Lawful Interception (LI); Retained data handling; Handover interface for the request and delivery of retained data".
- [8] [IETF RFC 791](#): "Internet Protocol".
- [9] [IETF RFC 4632](#): "Classless Inter-domain Routing (CIDR): The Internet Address Assignment and Aggregation Plan".
- [10] [IETF RFC 8200](#): "Internet Protocol, Version 6 (IPv6) Specification".
- [11] [IETF RFC 4291](#): "IP Version 6 Addressing Architecture".
- [12] [IETF RFC 793](#): "Transmission Control Protocol".

NOTE: IETF RFC 793 has been obsoleted by IETF RFC 9293.

- [13] [IETF RFC 768](#): "User Datagram Protocol".
- [14] [IEEE 802.3™](#): "IEEE Standard for Ethernet".
- [15] [IETF RFC 5322](#): "Internet Message Format".
- [16] WHATWG community: "[HTML Living standard](#)".
- [17] [IETF RFC 4122](#): "A Universally Unique IDentifier (UUID) URN Namespace".
- [18] [ISO 3166-1](#): "Codes for the representation of names of countries and their subdivisions — Part 1: Country codes".
- [19] Void.
- [20] [ISO/IEC 7812-1:2017](#): "Identification cards — Identification of issuers — Part 1: Numbering system".
- [21] [IETF RFC 3261](#): "SIP: Session Initiation Protocol".
- [22] [IETF RFC 3966](#): "The tel URI for Telephone Numbers".
- [23] [DMA Technical Report 8350.2](#): "Department of Defense World Geodetic System 1984, Its Definition and Relationships With Local Geodetic Systems".
- [24] [ETSI TS 123 501](#): "5G; System architecture for the 5G System (5GS) (3GPP TS 23.501)".
- [25] [ETSI TS 133 501](#): "5G; Security architecture and procedures for 5G System (3GPP TS 33.501)".
- [26] [IETF RFC 7542](#): "The Network Access Identifier".
- [27] [ETSI TS 124 501](#): "5G; Non-Access-Stratum (NAS) protocol for 5G System (5GS); Stage 3 (3GPP TS 24.501)".
- [28] [ETSI TS 103 120](#): "Lawful Interception (LI); Interface for warrant information".
- [29] [W3C® Recommendation 16 August 2006](#): "Extensible Markup Language (XML) 1.1 (Second Edition)".
- [30] [IETF RFC 6530](#): "Overview and Framework for Internationalized Email".
- [31] [IETF RFC 7042](#): "IANA Considerations and IETF Protocol and Documentation Usage for IEEE 802 Parameters".
- [32] [ETSI TS 102 221](#): "Smart Cards; UICC-Terminal interface; Physical and logical characteristics".
- [33] [ETSI TS 129 571](#): "5G; 5G System; Common Data Types for Service Based Interfaces; Stage 3 (3GPP TS 29.571)".
- [34] IANA: "[Assigned Internet Protocol Numbers](#)".
- [35] [IETF Draft draft-bhutton-json-schema-01](#): "JSON Schema: A Media Type for Describing JSON Documents".
- [36] [ECMA-262](#): "ECMAScript® 2023 Language Specification".
- [37] [IEEE 802.1Q™-2014](#): "IEEE Standard for Local and metropolitan area networks -- Bridges and Bridged Networks".
- [38] [ISO 3779:2009](#): "Road vehicles — Vehicle identification number (VIN) — Content and structure".
- [39] [GSMA SGP.02](#): "Remote Provisioning Architecture for Embedded UICC Technical Specification".

2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

Not applicable.

3 Definition of terms, symbols and abbreviations

3.1 Terms

Void.

3.2 Symbols

Void.

3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

3GPP	3 rd Generation Partnership Project
APN	Access Point Name
ASCII	American Standard Code for Information Interchange
ASN.1	Abstract Syntax Notation One
CC	Content of Communication
CGI	Cell Global Identification
CI	Cell Identity
CIDR	Classless Inter-Domain Routing
CSP	Communications Service Provider
DNN	Data Network Name
ECGI	E-UTRAN Cell Global Identification
ECI	E-UTRAN Cell Identity
EID	eUICC Identifier
EUI	Extended Unique Identifier
eUICC	Embedded Universal Integrated Circuit Card
E-UTRAN	Evolved Universal Terrestrial Radio Access Network
GPSI	Generic Public Subscription Identifier
HEX	HEXadecimal
HI	Handover Interface
HI1	Handover Interface port 1 (for administrative information)
HI2	Handover Interface port 2 (for Intercept Related Information)
HI3	Handover Interface port 3 (for Content of Communication)
IANA	Internet Assigned Numbers Authority
ICCID	Integrated Circuit Card Identifier
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronics Engineers
IEI	Information Element Identifier
IETF	Internet Engineering Task Force
IMEI	International Mobile station Equipment Identity

IMEISV	International Mobile station Equipment Identity and Software Version number
IMSI	International Mobile Subscriber Identity
IP	Internet Protocol
IPv4	Internet Protocol version 4
IPv6	Internet Protocol version 6
IRI	Intercept Related Information
ISO	International Organization for Standardization
ITU-T	International Telecommunication Union - Telecommunication
JSON	JavaScript Object Notation
LAC	Location Area Code
LDID	Lawful Disclosure IDentifier
LEA	Law Enforcement Agency
LIID	Lawful Interception Identifier
LTE	Long-Term Evolution
MAC	Media Access Control
MCC	Mobile Country Code
MNC	Mobile Network Code
NAI	Network Access Identifier
NCGI	NR Cell Global Identification
NCI	NR Cell Identity
NR	New Radio
PEI	Permanent Equipment Identifier
RFC	Request For Comments
SIP	Session Initialization Protocol
SMF	Session Management Function
SUCI	Subscription Concealed Identifier
SUPI	Subscription Permanent Identifier
TCP	Transmission Control Protocol
UDP	User Datagram Protocol
UPF	User Plane Function
URI	Uniform Resource Identifier
UTC	Coordinated Universal Time
UUID	Universally Unique IDentifier
VIN	Vehicle Identification Number
VLAN	Virtual Local Area Network
WGS84	World Geodetic System 1984
XML	eXtended Markup Language
XSD	XML Schema Definition

4 Release management

This clause describes the release management requirements. The requirements are:

- The version of the present document is defined as <major>.<minor>.<patch>.
- The major version should be incremented when making a backwards incompatible change.
- The minor version should be incremented when adding backwards compatible functionality.
- The patch version should be incremented when fixing a backwards compatible bug.
- Once a major version has been incremented, the previous major version will be supported for 2 years after publication of the new version. Change requests issued to a version that is no longer supported will need to be issued for the latest supported major version.