



**SLOVENSKI STANDARD**  
**SIST-TS ETSI/TS 102 232-7 V3.13.1:2023**  
**01-julij-2023**

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**Zakonito prestrezanje (LI) - Izročilni vmesnik in storitveno specifične podrobnosti (SSD) za IP-dostavo vsebin - 7. del: Storitveno specifične podrobnosti za mobilne storitve**

Lawful Interception (LI) - Handover Interface and Service-Specific Details (SSD) for IP delivery - Part 7: Service-specific details for Mobile Services

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**ICS:**

35.240.95 Spletne uporabniške rešitve Internet applications

**SIST-TS ETSI/TS 102 232-7 V3.13.1:2023 en**



# ETSI TS 102 232-7 V3.13.1 (2023-03)



**Lawful Interception (LI);  
Handover Interface and  
Service-Specific Details (SSD) for IP delivery;  
Part 7: Service-specific details for Mobile Services**

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# Foreword

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

The present document is part 7 of a multi-part deliverable. Full details of the entire series can be found in part 1 [2].

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# 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](#) (Verbal forms for the expression of provisions).

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# Introduction

The ETSI TS 102 232 [i.1] series of standards aims to provide a common delivery interface for lawfully-intercepted material from a wide range of services. The aim of the present document is to increase the range of services to which the ETSI TS 102 232 [i.1] interface applies, by including services from 3GPP TS 33.108 [3] and 3GPP TS 33.128 [6] within the ETSI TS 102 232 [i.1] delivery framework.

---

# 1 Scope

## Introduction

The present document specifies an approach for the handover of the lawfully-intercepted information that is defined in the two standards: 3GPP TS 33.108 [3] and 3GPP TS 33.128 [6]. The present document uses the handover techniques defined in ETSI TS 102 232-1 [2]. In this way, the present document allows additional services to be delivered through a common interface.

## 3GPP TS 33.108

The scope of the present document includes the handover of lawfully-intercepted information from the following parts of 3GPP TS 33.108 [3]:

- Intercept Related Information (IRI) and the Content of Communication (CC) from the mobile circuit-switched domain (3GPP TS 33.108 [3], clause 5).
- IRI and CC from the mobile packet-switched domain (3GPP TS 33.108 [3], clause 6).
- IRI and CC from the multi-media domain (3GPP TS 33.108 [3], clause 7).
- IRI and CC from the EPS domain (3GPP TS 33.108 [3], clause 10).
- IRI and CC from the IMS Conference domain (3GPP TS 33.108 [3], clause 11).
- IRI and CC from the IMS-based VoIP domain (3GPP TS 33.108 [3], clause 12).
- IRI from the Proximity Services domain (3GPP TS 33.108 [3], clause 13).
- IRI and CC from the Group Communication System Enablers domain (3GPP TS 33.108 [3], clause 14).

The present document does not override or supersede any specifications or requirements in 3GPP TS 33.108 [3].

## 3GPP TS 33.128

The scope of the present document includes the handover of lawfully-intercepted information in accordance with 3GPP TS 33.128 [6].

---

# 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.

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

- [1] Void.
- [2] [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".



- [3] [ETSI TS 133 108](#): "Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Handover interface for Lawful Interception (LI) (3GPP TS 33.108)".
- [4] Void.
- [5] Void.
- [6] [ETSI TS 133 128](#): "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Security; Protocol and procedures for Lawful Interception (LI); Stage 3 (3GPP TS 33.128)".
- [7] [ETSI TS 103 221-2](#): "Lawful Interception (LI); Internal Network Interfaces; Part 2: X2/X3".

## 2.2 Informative references

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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.

- [i.1] ETSI TS 102 232 (all parts): "Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery".
- [i.2] ETSI TS 101 671: "Lawful Interception (LI) Handover interface for the lawful interception of telecommunications traffic".

NOTE: ETSI TS 101 671 is in status "historical" and is not maintained.

---

## 3 Definition of terms, symbols and abbreviations

### 3.1 Terms

For the purposes of the present document, the terms given in ETSI TS 102 232-1 [2] and ETSI TS 101 671 [i.2] apply.

### 3.2 Symbols

Void.

### 3.3 Abbreviations

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

|         |                                                     |
|---------|-----------------------------------------------------|
| ASN.1   | Abstract Syntax Notation One                        |
| CC      | Content of Communication                            |
| CC-PDU  | Content of Communication Protocol Data Unit         |
| CIN     | Communications Identity Number                      |
| confLIC | Conference LI Correlation                           |
| CR      | Change Request                                      |
| CS      | Circuit Switched                                    |
| EPS     | Evolved Packet System                               |
| GCSE    | Group Communications System Enablers                |
| gcseLIC | Group Communications System Enablers LI Correlation |

|         |                                            |
|---------|--------------------------------------------|
| HI      | Handover Interface                         |
| IMS     | IP Multimedia Subsystem                    |
| IP      | Internet Protocol                          |
| IPID    | Interception Point IDentifier              |
| IRI     | Intercept Related Information              |
| LI      | Lawful Interception                        |
| LI_X2   | Lawful Interception Internal Interface 2   |
| LI_X3   | Lawful Interception Internal Interface 3   |
| MF      | Mediation Function (at CSP)                |
| NFID    | Network Function Identifier                |
| PDU     | Protocol Data Unit                         |
| ProSe   | Proximity Services                         |
| PS      | Packet Switched                            |
| TC      | Technical Committee                        |
| TS      | Technical Specification                    |
| uLIC    | UMTS LI Correlation                        |
| UMTS    | Universal Mobile Telecommunications System |
| voipLIC | Voice Over IP LI Correlation               |

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## 4 General

### 4.1 Approach

The present document forms part 7 of the ETSI TS 102 232 [i.1] family of standards, in that it is a service-specific component of the ETSI TS 102 232-1 [2] framework.

3GPP TS 33.108 [3] and 3GPP TS 33.128 [6] define the interception behaviour that leads to IRI events on the handover interface, for both the packet data domain and circuit switched domain.

### 4.2 Reference model

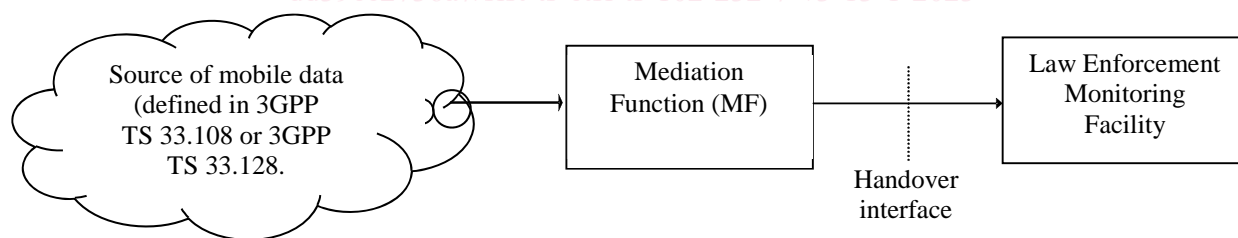


Figure 1: Reference model

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## 5 3GPP handover Headers, data exchange and networks

### 5.1 Approach

ETSI TS 102 232-1 [2] describes a technique for data exchange, and specifies the headers that shall be associated with the results of interception. The present document follows ETSI TS 102 232-1 [2] regarding headers and data exchange, and demonstrates how the header fields in ETSI TS 102 232-1 [2] can be populated in a direct and straightforward manner using the interception information available in 3GPP TS 33.108 [3] and 3GPP TS 33.128 [6].

## 5.2 Structures

IRI events from 3GPP TS 33.108 [3], for both circuit and packet switched services as per clauses 5 and 6 in 3GPP TS 33.108 [3], are sent using the uMTSIRI element of IRIContents.

CC from CS domain delivery in IP are sent using the CSvoice-CC-PDU element of CCContent, which is the CSvoice-CC-PDU from 3GPP TS 33.108 [3], containing cSvoiceLIC-header and payload.

CC from these packet switched services are sent using the uMTSCC element of CCContent, which is an OCTET STRING.

Alternatively, subject to national agreement, CC from these packet switched services are sent using the uMTSCC-CC-PDU element of CCContent, which is the CC-PDU from 3GPP TS 33.108 [3], containing the uLIC8header and payload.

Clause 9.2 defines the structures for IRI and CC reporting per clause 10 of 3GPP TS 33.108 [3] for EPS services. Clause 15 defines the structures for IRI and CC reporting of 3GPP TS 33.128 [6] defined EPS services.

CC and IRI PDUs formatted according to 3GPP TS 33.128 [6] are sent using the threeGPP33128DefinedCC and threeGPP33128DefinedIRI elements of CCContent and IRIContents respectively.

# 6 3GPP handover Intercept Related Information (IRI) and Content of Communication (CC)

## 6.1 Definition of IRI events and CC

IRI events are defined as per 3GPP TS 33.108 [3] for both circuit and packet switched services as per clauses 5 and 6 in 3GPP TS 33.108 [3].

## 6.2 IRI format

IRI events are defined as per 3GPP TS 33.108 [3] for both of these circuit and packet switched services. They are sent using the uMTSIRI element of IRIContents.

Fields which are duplicated in the 3GPP TS 33.108 [3] and ETSI TS 102 232-1 [2] structures should be populated consistently in both structures. Clause A.1 gives guidance on mapping between 3GPP TS 33.108 [3] elements and ETSI TS 102 232-1 [2] elements for IRI.

## 6.3 CC format

CC from these packet switched services are sent using the uMTSCC element CCContent, which is an OCTET STRING. The OCTET STRING will be as defined in the payload element of the CC-PDU structure in 3GPP TS 33.108 [3], clause B.4.

Alternatively, subject to national agreement, CC from these packet switched services are sent using the uMTSCC-CC-PDU element of CCContent, which is the CC-PDU from 3GPP TS 33.108 [3], containing the uLIC-header and payload.

CC from CS domain delivery in IP are sent using the CSvoice-CC-PDU element of CCContent, which is the CSvoice-CC-PDU from 3GPP TS 33.108 [3], containing cSvoiceLIC-header and payload.

The information in the cSvoiceLIC-header element of CSvoice-CC-PDU will be used to populate the header information in the LI-PS-PDU structure of ETSI TS 102 232-1 [2]. Clause A.1 gives guidance on the mapping between these elements.

The information in the uLIC-header element of CC-PDU will be used to populate the header information in the LI-PS-PDU structure of ETSI TS 102 232-1 [2]. Clause A.1 gives guidance on the mapping between these elements.