ETSI TS 102 232-3 V3.15.1 (2025-04)

Lawful Interception (LI);
Handover Interface and
Service-Specific Details (SSD) for IP delivery;
Part 3: Service-specific details for internet access services

Reference
RTS/LI-00276-3

Keywords
access, internet, IP, lawful interception, security, service

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Foreword

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

The present document is part 3 of a multi-part deliverable. Full details of the entire series can be found in part 1 [2].

The ASN.1 module is available as an electronic attachment to the present document (see clause 8 for more details).

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 intention of the present document has been to follow the advice given at ETSI meetings in all cases.

The present document focuses on intercepting IP data in relation to the use of Internet Access Services (IASs) and is to be used in conjunction with ETSI TS 102 232-1 [2]. In the latter document the handing over of the intercepted data is described.

1 Scope

The present document contains a stage 1 description of the interception information in relation to the process of binding a "target identity" to an IP address when providing Internet access and a stage 2 description of when Intercept Related Information (IRI) and Content of Communication (CC) need to be sent, and what information it needs to contain.

The present document includes but is not restricted to IRI based on application of Dynamic Host Configuration Protocol (DHCP) and Remote Authentication Dial-In User Service (RADIUS) technology for binding a "target identity" to an IP address and CC for the intercepted IP packets.

The definition of the Handover Interface 2 (HI2) and Handover Interface 3 (HI3) is outside the scope of the present document. For the handover interface is referred to ETSI TS 102 232-1 [2].

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 101 671: "Telecommunications security; 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.

[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] IETF RFC 1122: "Requirements for Internet Hosts - Communication Layers".

[4] IETF RFC 1570: "PPP LCP Extensions".

[5] IETF RFC 1990: "The PPP Multilink Protocol (MP)".

[6] IETF RFC 2131: "Dynamic Host Configuration Protocol".

[7] IETF RFC 7542: "The Network Access Identifier".

[8] IETF RFC 2865: "Remote Authentication Dial In User Service (RADIUS)".

[9] IETF RFC 2866: "RADIUS Accounting".

[10] IETF RFC 3046: "DHCP Relay Agent Information Option".

[11] IETF RFC 3118: "Authentication for DHCP Messages".

[12] IETF RFC 3396: "Encoding Long Options in the Dynamic Host Configuration Protocol (DHCPv4)".