



ATIS-1000013.v2.2015(R2020)

**Lawfully Authorized Electronic Surveillance (LAES)
for Internet Access and Services, Version 2**

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Is an American National Standard developed by the **Lawfully Authorized Electronic Surveillance (LAES)** Subcommittee under the **ATIS Packet Technologies and Systems Committee (PTSC)**.

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[Revision and Consolidation of ATIS-1000013.2007 and ATIS-1000013.a.2009]

American National Standard for Telecommunications

Lawfully Authorized Electronic Surveillance (LAES) for Internet Access and Services, Version 2

Alliance for Telecommunications Industry Solutions

Approved July 21, 2015

American National Standards Institute, Inc.

Abstract

Internet Access and Services can be obtained by establishing a subscription based arrangement. This standard provides capabilities to lawfully intercept communications of subscription-based Internet Access and Services arrangements.

NOTE - Annex A, *ASN.1 Definitions*, of this Standard has also been formatted as a separate plain text file and electronically packaged with this standard.

Foreword

The information contained in this Foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. As such, this Foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

This document is entitled *Lawfully Authorized Electronic Surveillance for Internet Access and Services*. This standard is the result of work by members of the Alliance for Telecommunications Industry Solutions (ATIS) Packet Technologies and Systems Committee (PTSC), working within the PTSC Lawfully Authorized Electronic Surveillance (LAES) Subcommittee. This standard defines the interfaces between an Internet Access or Services Provider and a Law Enforcement Agency to assist the Law Enforcement Agency in conducting lawfully authorized electronic surveillance for Internet Access and Services.

This version of the standard provides clarifications, corrections, and enhancements to ATIS-1000013.2007, and adds an informative annex on *Byte Count Reporting in an Internet Access and Services LAES Environment*.

It is not the intent of this document to imply or impact any pending regulatory decisions related to Internet Access and Services. This document provides the mechanisms to perform lawfully authorized electronic surveillance of Internet Access and Services subject to the appropriate legal and regulatory environment.

Future control of this document will reside with ATIS PTSC. This control of additions to the specification, such as ongoing protocol evolution, new applications, and operational requirements, will permit compatibility among U.S. networks. Such additions will be incorporated in an orderly manner with due consideration to the ITU-T layered model principles, conventions, and functional boundaries.

NOTE - A buffering solution for use with this standard is addressed in ATIS-1000021, *Technical Report on Data Buffering (Short Term Storage) in an LAES Environment*.

Suggestions for improvement of this document are welcome. They should be sent to the Alliance for Telecommunications Industry Solutions, PTSC, 1200 G Street NW, Suite 500, Washington, DC 20005.

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Table of Contents

1	INTRODUCTION	1
1.1	BACKGROUND	1
1.2	SCOPE & PURPOSE	1
1.3	ORGANIZATION	2
2	NORMATIVE REFERENCES	2
3	DEFINITIONS & ACRONYMS	3
3.1	DEFINITIONS.....	3
3.2	ACRONYMS	4
3.3	DEFINITIONS FOR “MANDATORY,” “OPTIONAL,” & “CONDITIONAL” PARAMETERS	6
4	INTERNET ACCESS & SERVICES DESCRIPTION.....	6
4.1	INTERNET ACCESS & SERVICES MODEL.....	6
4.2	GENERAL SURVEILLANCE MODEL.....	8
4.2.1	<i>Electronic Surveillance Model.....</i>	8
4.2.2	<i>Intercept Access Points</i>	9
4.2.3	<i>Functional Electronic Surveillance Architecture.....</i>	10
4.2.4	<i>Demarcation.....</i>	12
4.2.5	<i>Subject Identification.....</i>	14
4.3	IAS SURVEILLANCE MODEL.....	15
4.4	INTERCEPT SCENARIOS.....	16
4.4.1	<i>Reg-F & Res-F Performed in the Access Network.....</i>	17
4.4.2	<i>Reg-F Performed in the Access Network, Res-F Performed in the ISP Network.....</i>	17
4.4.3	<i>Res-F Performed in the Access Network, Reg-F Performed in the ISP Network.....</i>	18
4.4.4	<i>Reg-F & Res-F Performed in the ISP Network.....</i>	19
5	USER PERSPECTIVE (STAGE 1)	20
5.1	INTRODUCTION	20
5.2	SURVEILLANCE EVENTS	20
5.2.1	<i>Access Attempt.....</i>	20
5.2.2	<i>Access Accepted</i>	21
5.2.3	<i>Access Failed.....</i>	21
5.2.4	<i>Access Session End</i>	21
5.2.5	<i>Access Rejected</i>	21
5.2.6	<i>Access Signaling Message Report.....</i>	22
5.2.7	<i>Packet Data Session Start.....</i>	22
5.2.8	<i>Packet Data Session Failed.....</i>	22
5.2.9	<i>Packet Data Session End</i>	22
5.2.10	<i>Packet Data Session Already Established.....</i>	23
5.2.11	<i>Packet Data Header Report.....</i>	23
5.2.12	<i>Packet Data Summary Report</i>	23
5.3	GENERAL CAPABILITIES.....	24
5.3.1	<i>Subject Communications</i>	24
5.3.2	<i>Communications Delivery</i>	24
5.3.3	<i>Performance & Quality.....</i>	24
5.3.4	<i>Security & Reliability over the ‘e’ Interface</i>	25
5.3.5	<i>Encryption & Compression</i>	25
5.3.6	<i>Isolation.....</i>	25
5.3.7	<i>Privacy & Authentication</i>	25
5.3.8	<i>Transparency</i>	25
5.3.9	<i>Dynamic IP Address Management</i>	25
5.4	MAPPING OF SURVEILLANCE EVENTS TO FUNCTIONS	26
6	NETWORK PERSPECTIVE (STAGE 2).....	26
6.1	INTRODUCTION	26

ATIS-1000013.v2.2015(R2020)

6.1.1	Information Element Definitions for CmlI Surveillance Messages.....	26
6.1.2	Correlating CmlI.....	28
6.2	CMII MESSAGES.....	28
6.2.1	Access Attempt Message.....	28
6.2.2	Access Accepted Message.....	28
6.2.3	Access Failed Message.....	29
6.2.4	Access Session End Message.....	29
6.2.5	Access Rejected Message.....	29
6.2.6	Access Signaling Message Report Message.....	30
6.2.7	Packet Data Session Start Message.....	30
6.2.8	Packet Data Session Failed Message.....	30
6.2.9	Packet Data Session End Message.....	31
6.2.10	Packet Data Session Already Established Message.....	31
6.2.11	Packet Data Header Report Message.....	31
6.2.12	Packet Data Summary Report Message.....	32
6.3	CMC DELIVERY APDU.....	32
6.3.1	CmC Delivery APDU Sequence Number.....	32
ANNEX A	ASN.1 DEFINITIONS.....	33
A.1	IAS CMII ABSTRACT SYNTAX MODULE.....	33
A.2	IAS CMCC ABSTRACT SYNTAX MODULE.....	37
ANNEX B	REFERENCE TOPOLOGIES.....	38
B.1	DIAL-UP ACCESS.....	38
B.2	DSL ACCESS.....	39
B.2.1	Example DSL Interception.....	39
B.2.2	xDSL Access.....	40
B.3	CABLE ACCESS.....	42
B.4	BONDING OF MULTIPLE ACCESS LINKS.....	42
ANNEX C	OPTIONAL MESSAGES.....	44
C.1	STAGE 2.....	45
C.1.1	Service Change.....	45
C.1.2	Virtual Private Network (VPN) Security Association Establishment.....	45
C.1.3	Virtual Private Network (VPN) Security Association Release.....	46
C.1.4	Surveillance Activation.....	47
C.1.5	Surveillance Continuation.....	47
C.1.6	Surveillance Change.....	47
C.1.7	Surveillance Deactivation.....	48
C.2	IAS CMII OPTIONAL MESSAGES ABSTRACT SYNTAX MODULE.....	48
ANNEX D	ANNEX D IAS INTERCEPT INFORMATION FLOW EXAMPLE.....	51
ANNEX E	IAS CASES & CMII REPORTING.....	53
ANNEX F	BYTE COUNT REPORTING IN AN IAS LAES ENVIRONMENT.....	55
F.1	INTRODUCTION.....	55
F.1.1	Scope & Purpose.....	55
F.1.2	Application.....	55
F.1.3	Byte Count.....	55
F.2	BYTE COUNT REPORTING CAPABILITY.....	56
F.2.1	Packet Data Header Report.....	56
F.2.2	Packet Data Summary Report.....	56
F.3	BYTE COUNT REPORTING ABSTRACT SYNTAX NOTATION.....	56
F.3.1	Byte Count Reporting Abstract Syntax Notation - Packet Data Header Report.....	56
F.3.2	Total Byte Count Reporting Abstract Syntax Notation - Packet Data Summary Report.....	56

Table of Figures

FIGURE 4.1 – IAS MODEL	7
FIGURE 4.2 – ELECTRONIC SURVEILLANCE MODEL.....	9
FIGURE 4.3 – FUNCTIONAL LI ARCHITECTURE FOR IAS	11
FIGURE 4.4 – A-PDU DEMARCATION POINT AT DELIVERY METHOD IN DELIVERY FUNCTION.....	12
FIGURE 4.5 – A-PDU DEMARCATION POINT AND DF-CF DELIVERY METHOD	13
FIGURE 4.6 – CMII AND CMC DELIVERY TIMES	14
FIGURE 4.7 – IAS SURVEILLANCE MODEL	16
FIGURE 4.8 – REGISTRATION AND RESOURCE RESERVATION IN THE ACCESS NETWORK.....	17
FIGURE 4.9 – REGISTRATION IN THE ACCESS NETWORK, RESOURCE RESERVATION IN THE ISP NETWORK.....	18
FIGURE 4.10 – REGISTRATION IN THE ISP NETWORK, RESOURCE RESERVATION IN THE ACCESS NETWORK...	19
FIGURE 4.11 – REGISTRATION AND RESOURCE RESERVATION FUNCTIONS IN THE ISP NETWORK.....	20
FIGURE B.1 – DIAL-UP ACCESS	38
FIGURE B.2 – EXAMPLE INTERCEPTION ON FIXED DSL.....	40
FIGURE B.3 – EXAMPLE OF XDSL ACCESS	41
FIGURE B.4 – CABLE MODEM ACCESS.....	42
FIGURE B.5 – EXAMPLE OF MULTIPLE LINKS BETWEEN THE SUBJECT AND THE ACCESS NETWORK.....	43
FIGURE D.1 – INTERNET ACCESS AND SERVICES EVENTS AND ASSOCIATED LAES REPORTING.....	51

Table of Tables

TABLE 5.1 – LAES EVENTS AND ASSOCIATED FUNCTIONS	26
TABLE 6.1 – INFORMATION FOR ACCESS ATTEMPT MESSAGE.....	28
TABLE 6.2 – INFORMATION FOR ACCESS ACCEPTED MESSAGE	28
TABLE 6.3 – INFORMATION FOR ACCESS FAILED MESSAGE	29
TABLE 6.4 – INFORMATION FOR ACCESS SESSION END MESSAGE	29
TABLE 6.5 – INFORMATION FOR ACCESS REJECTED MESSAGE.....	29
TABLE 6.6 – ACCESS SIGNALING MESSAGE REPORT PARAMETERS	30
TABLE 6.7 – INFORMATION FOR PACKET DATA SESSION START MESSAGE.....	30
TABLE 6.8 – INFORMATION FOR PACKET DATA SESSION FAILED MESSAGE	30
TABLE 6.9 – INFORMATION FOR PACKET DATA SESSION END MESSAGE.....	31
TABLE 6.10 – INFORMATION FOR PACKET DATA SESSION ALREADY ESTABLISHED MESSAGE	31
TABLE 6.11 – INFORMATION FOR PACKET DATA HEADER REPORT MESSAGE	31
TABLE 6.12 – INFORMATION FOR PACKET DATA SUMMARY REPORT MESSAGE	32
TABLE 6.13 – CMC APDU PARAMETERS	32
TABLE C.1 – INFORMATION FOR SERVICE CHANGE EVENT.....	45
TABLE C.2 – INFORMATION FOR VPN SECURITY ASSOCIATION ESTABLISHMENT.....	46
TABLE C.3 – INFORMATION FOR VPN SECURITY ASSOCIATION RELEASE.....	46
TABLE C.4 – INFORMATION FOR SURVEILLANCE ACTIVATION.....	47
TABLE C.5 – INFORMATION FOR SURVEILLANCE CONTINUATION	47
TABLE C.6 – INFORMATION FOR SURVEILLANCE CHANGE	48
TABLE C.7 – INFORMATION FOR SURVEILLANCE DEACTIVATION	48
TABLE E.1 – EXAMPLE IAS CASES AND CMII REPORTING	53

American National Standard for Telecommunications –

Lawfully Authorized Electronic Surveillance (LAES) for Internet Access and Services

1 Introduction

1.1 Background

This Standard defines the interfaces between a service provider that facilitates subscriber access to the Internet and a Law Enforcement Agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance for subscription-based Internet Access and Services (IAS) arrangements. This Standard is provided for purposes of a “safe harbor” as specified in Section 107 of the Communications Assistance for Law Enforcement Act (CALEA) [Ref 1]: “a telecommunications carrier shall be found to be in compliance with the assistance capability requirements under Section 103, and a manufacturer of telecommunication transmission or switching equipment or a provider of telecommunication support services shall be found in compliance with Section 106, if the carrier, manufacturer, or support service provider is in compliance with publicly available technical requirements or standards adopted by an industry association or standard-setting organization, or by the Commission under subsection (b), to meet the requirements of section 103.”¹ [Ref 2, 3, 14, 15].

As used in this Standard, electronic surveillance refers to the interception and delivery of communications for a particular IAS subscriber as lawfully authorized. The said communications may include Communication Identifying Information (CmII) with or without the Communication Content (CmC).

In this Standard, an intercept subject, or more simply a subject, is an IAS subscriber whose communications have been authorized by a legal instrument to be intercepted and delivered to an LEA. The identification of the subject is limited to subject identifiers or subject-related identifiers used by the Internet Access or Services Provider’s (IASP) equipment, facility, or communication service – e.g., network address, terminal identity, subscription identity.

As a precondition for an IASP’s assistance with Lawfully Authorized Electronic Surveillance (LAES), an LEA must serve an IASP with the necessary lawful authorization identifying the intercept subject, the communications and information to be provided, and service areas where the communications and information are to be provided. Once this lawful authorization is served on an IASP, the IASP shall perform the access, mediation as necessary, and delivery of the identified communications and information to the LEA via LEA-procured equipment, facilities, or services.

1.2 Scope & Purpose

The focus of LAES for IAS is on the network(s) that provide subscriber connectivity to the Internet. IAS may be provided by a set of independent or related entities – e.g., a Digital Subscriber Line (DSL) provider, cable provider, Wireless Fidelity (Wi-Fi®) provider, or a WiMAX^{®2} provider and an Internet Service Provider (ISP). This document does not address mobile IP capabilities as defined by the Internet Engineering Task Force (IETF).

¹ It is not the intent of this document to imply or impact any pending CALEA regulatory decisions related to IAS. This document provides the mechanisms to perform lawfully authorized electronic surveillance of IAS subject to the appropriate legal and regulatory environment. Where CALEA is found to be applicable to IAS, it is intended that a manufacturer or service provider that is in compliance with this document will have “safe harbor” under Section 107 of CALEA, Public Law 103-414, codified at 47 U.S.C. §1001, et seq.

² For fixed/nomadic wireless (e.g., as a wireline access alternative).