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JOINT STANDARD

Lawfully Authorized Electronic Surveillance

J-STD-025-B

July 2006

Jointly developed by Telecommunications Industry Association
and Alliance for Telecommunications Industry Solutions



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Abstract

This Standard defines the interfaces between a telecommunication service provider (TSP) and a Law Enforcement Agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance. A TSP, manufacturer, or support service provider that is in compliance with this Standard will have a “safe harbor” under Section 107 of the Communications Assistance for Law Enforcement Act (CALEA), Public Law 103-414: “a [TSP] shall be found to be in compliance with the assistance capability requirements under [CALEA] Section 103, and a manufacturer of telecommunication transmission or switching equipment or a provider of telecommunication support services shall be found in compliance with [CALEA] Section 106.”

J-STD-025-A provides the enhancements necessary to support FCC 99-230, CC Docket No. 97-213, Third Report and Order and FCC 02-108, CC Docket No. 97-213, Order on Remand¹. J-STD-025-B provides enhancements to further support lawfully authorized electronic surveillance of packet data telecommunication services (e.g., cdma2000^{®2} packet data).

1. The FCC Third Report and Order [FCC 99-230, CC Docket No. 97-213] introductory paragraph states the following:

“Specifically, we require that all capabilities of J-STD-025 (interim standard) and six of nine “punch list” capabilities requested by the Department of Justice (DoJ)/Federal Bureau of Investigation (FBI) be implemented by wireline, cellular, and broadband PCS carriers. While we are requiring that a packet-mode capability be implemented by such carriers, we are not at this time adopting technical requirements for packet-mode communications, but will permit packet-mode data to be delivered to law enforcement under the interim standard, discussed below, pending further study of packet-mode communications by the telecommunications industry.”

2. cdma2000 is a registered trademark of the Telecommunications Industry Association (TIA-USA).

Document Revision History

Revision	Date	Remarks
0	November 1997	Initial
A	February 2003	Revised to meet the requirements defined in FCC 99-230, CC Docket No. 97-213 and FCC 02-108, CC Docket No. 97-213.
<u>B</u>	<u>January 2004</u>	<u>Revised to include enhancements for packet based telecommunication technologies. J-STD-025-B is both a T1 Trial Use standard and a TIA standard.</u>
<u>B</u>	<u>June 2004</u>	<u>ANSI upgrade to include enhancements for packet based telecommunication technologies.</u>

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Foreword

This foreword is not part of this Standard.

The specification of interface compatibility requirements between telecommunication service providers (TSPs) and law enforcement agencies (LEAs) was developed as a Joint Standards Project between ANSI-Accredited Telecommunications Industry Association, Engineering Committee TR-45, and ANSI-Accredited Committee T1–Telecommunications.

This Standard defines the interfaces between a telecommunication service provider (TSP) and a Law Enforcement Agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance. A TSP, manufacturer, or support service provider that is in compliance with this Standard will have a “safe harbor” under Section 107 of the Communications Assistance for Law Enforcement Act (CALEA), Public Law 103-414: “a [TSP] shall be found to be in compliance with the assistance capability requirements under [CALEA] Section 103, and a manufacturer of telecommunication transmission or switching equipment or a provider of telecommunication support services shall be found in compliance with [CALEA] Section 106.”

There are ~~eight seven~~ annexes ~~in~~ to this Standard. All annexes are informative and are not considered part of this Standard.

J-STD-025-A provides the enhancements necessary to support FCC 99-230, CC Docket No. 97-213, Third Report and Order and FCC 02-108, CC Docket No. 97-213, Order on Remand¹. J-STD-025-B provides enhancements to further support lawfully authorized electronic surveillance of packet data telecommunication services (e.g., cdma2000® packet data).

The enhancements for J-STD-025-B are identified by underlined text. Strike-through text indicates deleted J-STD-025-A text.

All annexes are informative. Information contained in Annexes A through D, and F ~~and G~~ through H does not reflect additional terms, concepts, requirements, messages or parameters for capabilities added in J-STD-025-A as mandated in FCC 99-230, CC Docket No. 97-213 and FCC 02-108, CC Docket No. 97-213, Order on Remand. Annex E, Informative Access Scenarios - J-STD-025-A, is exclusively dedicated to J-STD-025-A scenarios. Annex I contains compilable ASN.1 code.

¹ The FCC Third Report and Order [FCC 99-230, CC Docket No. 97-213] introductory paragraph states the following:

“Specifically, we require that all capabilities of J-STD-025 (interim standard) and six of nine “punch list” capabilities requested by the Department of Justice (DoJ)/Federal Bureau of Investigation (FBI) be implemented by wireline, cellular, and broadband PCS carriers. While we are requiring that a packet-mode capability be implemented by such carriers, we are not at this time adopting technical requirements for packet-mode communications, but will permit packet-mode data to be delivered to law enforcement under the interim standard, discussed below, pending further study of packet-mode communications by the telecommunications industry.”

1 Introduction

1.1 General

This Standard defines the interfaces between a telecommunication service provider (TSP) and a Law Enforcement Agency (LEA) to assist the LEA in conducting lawfully authorized electronic surveillance. A TSP, manufacturer, or support service provider that is in compliance with this Standard will have a “safe harbor” under Section 107 of the Communications Assistance for Law Enforcement Act (CALEA), Public Law 103-414: “a [TSP] shall be found to be in compliance with the assistance capability requirements under [CALEA] Section 103, and a manufacturer of telecommunication transmission or switching equipment or a provider of telecommunication support services shall be found in compliance with [CALEA] Section 106.”

J-STD-025-A provides the enhancements necessary to support FCC 99-230, CC Docket No. 97-213, Third Report and Order and FCC 02-108, CC Docket No. 97-213, Order on Remand¹. J-STD-025-B provides enhancements to further support lawfully authorized electronic surveillance of packet data telecommunication services (e.g., cdma2000® packet data).

As used in this Standard, electronic surveillance refers to the interception and monitoring of communications (i.e., call content), call-identifying information, or both, for a particular telecommunication subscriber as lawfully authorized. In this Standard intercept subject, or more simply a subject, is a telecommunication service subscriber whose communications, call-identifying information, or both, have been authorized by a court to be intercepted and delivered to an LEA. The identification of the subject is limited to identifiers used to access the particular equipment, facility, or communication service (e.g., network address, terminal identity, subscription identity).

As a precondition for a TSP’s assistance with Lawfully Authorized Electronic Surveillance (LAES), an LEA must serve a TSP with the necessary legal authorization identifying the intercept subject, the communications and information to be accessed, and service areas where the communications and information can be accessed. Once this authorization is obtained, the TSP shall perform the access and delivery for transmission to the government’s procured equipment, facilities, or services.

LEAs recognize that in many instances the telecommunication services subscribed to by certain intercept subjects may permit a TSP to access and

1. The FCC Third Report and Order [FCC 99-230, CC Docket No. 97-213] introductory paragraph states the following:

“Specifically, we require that all capabilities of J-STD-025 (interim standard) and six of nine “punch list” capabilities requested by the Department of Justice (DoJ)/Federal Bureau of Investigation (FBI) be implemented by wireline, cellular, and broadband PCS carriers. While we are requiring that a packet-mode capability be implemented by such carriers, we are not at this time adopting technical requirements for packet-mode communications, but will permit packet-mode data to be delivered to law enforcement under the interim standard, discussed below, pending further study of packet-mode communications by the telecommunications industry.”

deliver communications and call-identifying information without the TSP having to modify its networks or systems. In these instances, the TSP may be fully compliant with the assistance capability requirements set forth in CALEA. For example, a TSP could effect a central office- or local loop-based interception using conventional methods of access and delivery and fully meet an LEA's electronic surveillance needs.

1.2 Purpose

The purpose of this Standard is to facilitate a TSP's compliance with the assistance capability requirements defined in Section 103 of CALEA. This Standard defines services and features to support LAES and the interfaces to deliver intercepted communications and call-identifying information to an LEA when authorized. This Standard also defines a protocol for delivering specific information elements to LEAs. Compliance with this Standard satisfies the "safe harbor" provisions of Section 107 of CALEA and helps ensure efficient and industry-wide implementation of the assistance capability requirements.

1.3 Scope

The scope of this Standard is to define the services to support LAES and the interface between a TSP and an LEA.

1.4 Organization

[Section 2 "References"](#) is a list of references used in the preparation of this Standard.

[Section 3 "Definitions and Acronyms"](#) defines words and acronyms that are used in this Standard.

[Section 4 "Stage 1 Description: User Perspective"](#) defines the LAES services from the user point of view. The user in this case is the LEA.

[Section 5 "Stage 2 Description: Network Perspective"](#) defines the network entities and information flows to implement LAES services from a network point of view.

[Section 6 "Stage 3 Description: Implementation Perspective"](#) defines the messages and information elements to implement LAES services from an implementation point of view.