



ATIS-0600041-2022

**Security Requirements for Telecommunications Equipment
Structures**

AMERICAN NATIONAL STANDARD FOR TELECOMMUNICATIONS



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ATIS-0600041.2022, Security Requirements for Telecommunications Equipment Structures

Is an American National Standard developed by the **Network Physical Protection (NPP)** Subcommittee under the **ATIS Sustainability in Telecom: Energy and Protection Committee (STEP)**.

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ATIS-0600041.2022

American National Standard on

Security Requirements for Telecommunications Equipment Structures

Alliance for Telecommunications Industry Solutions

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American National Standards Institute, Inc.

Abstract

This standard covers the minimum criteria for securing and managing access to telecommunications equipment structures installed and utilized by service providers and others in outside plant (OSP) and indoor environments. These equipment structures include cabinet enclosures, huts, poles, pedestals, CEVs, etc.

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.

The Alliance for Telecommunication Industry Solutions (ATIS) serves the public through improved understanding between providers, customers, and manufacturers. The Sustainability in Telecom: Energy and Protection (STEP) Committee – formerly the Network Interface, Power, and Protection Committee (NIPP) -- engages industry expertise to develop standards and technical reports for telecommunications equipment and environments in the areas of energy efficiency, environmental impacts, power and protection. The work products of STEP enable vendors, operators and their customers to deploy and operate reliable, environmentally sustainable, energy efficient communications technologies. STEP is committed to proactive engagement with national, regional and international standards development organizations and forums that share its scope of work.

ANSI guidelines specify two categories of requirements: mandatory and recommendation. The mandatory requirements are designated by the word *shall* and recommendations by the word *should*. Where both a mandatory requirement and a recommendation are specified for the same criterion, the recommendation represents a goal currently identifiable as having distinct compatibility or performance advantages.

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

At the time of consensus on this document, STEP, which was responsible for its development, had the following leadership:

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The Network Physical Protection (NPP) Subcommittee was responsible for the development of this document.

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ATIS Standard on –

Security Requirements for Telecommunications Equipment Structures

1 Scope, Purpose, & Application

1.1 Scope

This standard covers the criteria for securing and managing access to communications equipment enclosures utilized by service providers and others in outside plant (OSP), indoor, and co-location environments. These equipment structures include but are not limited to cabinet enclosures, huts, poles, pedestals, and CTVs.

In addition, this document defines security recommendations for communications sites including the environmental, physical security, access control, and risk mitigation requirements for maintaining site security and operations.

1.2 Purpose

The purpose of this document is to provide communications service providers requirements for securing OSP, indoor, and co-location sites. These requirements are intended to improve security, safety, network resilience, and operational efficiencies.

1.3 Application

A security system that protects remote communications sites provides physical security and management of personnel access to communication sites. These systems can be used to ensure that only properly credentialed personnel can access secured locations. A security access control system is intended to provide a higher level of security, efficiency, access information, and employee safety than today's standard mechanical locking systems and devices.

2 References

The following standards contain provisions which, through reference in this text, constitute provisions of this ATIS Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on the ATIS Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

2.1 Normative

[Ref 1] ATIS-0600010.01, *Temperature, Humidity, Altitude, and Salt Fog Requirements for Network Telecommunications Equipment Utilized in Outside Plant Environments*¹

[Ref 2] EN 600132-1, *Environmental Engineering (EE); Power supply interface at the input to Information and Communication Technology (ICT) equipment; Part 1: Alternating Current (AC)*²

¹ This document is available from the Alliance for Telecommunications Industry Solutions, 1200 G Street N.W., Suite 500, Washington, DC 20005 at: < www.atis.org >.

² This document is available from the European Telecommunications Standards Institute < www.etsi.org >.