

Standard Requirements for the Construction of Communication Towers



Overview

48-2023: Criteria For Safety Practices With The Construction, Demolition, Modification And Maintenance Of Communication Structures establishes criteria for safe work practices and training for personnel performing work on communication structures. These recommendations have been modified and updated from previous versions to incorporate the state of the science and the 2020 Federal Aviation Administration Obstruction Marking and Lighting Advisory Circular AC 70/7460-1M. Communication towers are some of the tallest structures across the. Pursuant to the OSH Act, employers must comply with safety and health standards and regulations issued and enforced either by OSHA or by an OSHA-approved state plan. In addition, the Act's General Duty Clause, Section 5(a) (1), requires employers to provide their employees with a workplace free. ANSI/ASSP A10. These requirements ensure public safety, structural integrity, regulatory. PURPOSE: This policy provides clarification of the requirements for DSA approval of plans and certification of construction for state-owned, state-leased or privately owned towers and poles utilized for essential services communication and for essential antenna and equipment mounted on the towers. and ASCE 7, Minimum Design Loads for Buildings and Other Structures. The members of the PAN Advisory Group who are involved in the.



Article Content

Jun 27, 2026

Classification of Tower Structures per

The IBC specifically recognizes the TIA-222 Standard as the guideline for communication tower design and analysis and fundamentally accepts the TIA-222 structure classification as the basis required for ...

Apr 04, 2026

ANSI/ASSP A10.48-2023: Communication Structures

This American National Standard serves as a resource, outlining many construction and maintenance practices. It provides comprehensive specifications that encompass the entirety of the ...

Dec 03, 2025

Communication Tower Best Practices

Tower owners should meet or exceed the standards established in recognized consensus standards governing the construction and maintenance of communication towers, including TIA-222-G, ...

Nov 01, 2025

Structural Standards for Installation, Alteration and Maintenance ...

Structural Standards for Installation, Alteration and Maintenance of Communication Towers, Antennas and Antenna Supporting Structures

Jul 16, 2026

Communications Tower Regulations, Zoning, and Permits

Navigating communications tower regulations means understanding FCC rules, local zoning, lease terms, and safety requirements before you build.

Jan 28, 2026

ANSI A10.48 Safety Standards for Communication Towers

This consensus standard addresses safety processes during the design, installation, maintenance, and dismantling of communication structures. It outlines specifications for various ...

Apr 28, 2026

Classification of Tower Structures per ANSI/TIA-222-G, IBC and ...

ch the intent of the ANSI/TIA-222 Standard, as accepted by the IBC. This white paper explains structure classification relationships between ANSI/TIA-222-G, Structural Standard for Antenna Supporting ...

Jul 28, 2025

Recommended Best Practices for Communication Tower Design, ...

All new towers should be sited to minimize environmental impacts to the maximum extent practicable. Towers and associated facilities should be designed, sited, and constructed so as to avoid or ...

May 14, 2026

FWS Guidelines for Communication Towers_4.9.2018-rfl

NOTE: These recommendations replace all previous recommendations for communication tower construction and operation. These recommendations have been modified and updated from previous ...

Jun 19, 2026

What Are the Requirements for a Telecom Tower?

Learn the key requirements for a telecom tower, including zoning regulations, safety approvals, structural standards, and compliance needed for tower construction.

Nov 10, 2025

PL 18-01: COMMUNICATION TOWERS, POLES AND ...

Since then, towers and antennas that are part of the state's essential communication system require DSA approval of plans and certification of construction. Thus, existing towers and antenna ...

Feb 27, 2026

A Guide to Understanding Telecom Tower Safety Standards

An expert guide to telecom tower safety standards. Explore the critical rules for structural design, construction, maintenance, and RF exposure to ensure network safety.

Contact Us

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