

Requirements for High-Altitude Construction of Communication Towers



Overview

The industry's governing document is TIA-222, the Structural Standard for Antenna Supporting Structures, published by the Telecommunications Industry Association. The current version, Revision I, took effect on January 1, 2024, and has been adopted by the 2024 International. NEPA requires an agency to consider and disclose the environmental effects of its actions to improve decision-making and encourage transparency, public participation, and accountability. Effects are defined broadly to include ecological, aesthetic, historic, social, cumulative, and indirect. Electromagnetic Pulse (EMP) Protection and Resilience Guidelines for Critical Infrastructure and Equipment UNCLASSIFIED Note: These guidelines do not endorse any referenced product, company, service, or information external to DHS. 2 – 5 February 2019 Guidelines are subject to change and. This document provides guidelines to assist federal, state, and local officials and critical infrastructure owners and operators to protect mission essential equipment against electromagnetic pulse (EMP) threats., general landscaping activities, trimming, grubbing) activities outside of the peak bird breeding season to reduce the risk of bird take. Breeding seasons. During construction, the following considerations can reduce the risk of take of birds: Schedule all vegetation removal and maintenance (e.



Article Content

May 16, 2026

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 ...

Dec 22, 2025

Recommended Best Practices for Communication Tower Design, ...

Co-locate communications equipment on existing communication towers or other structures (e.g., billboard, water and transmission tower, distribution pole, or building mounts).

Apr 28, 2026

Tower and Antenna Siting

Building a new tower or collocating an antenna on an existing structure requires compliance with the Commission's rules for environmental review. These regulatory processes ensure that appropriate ...

Jan 14, 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.

Aug 01, 2025

Electromagnetic Pulse (EMP) Protection and Resilience ...

In 1989, Dr. Radasky began his volunteer work with the International Electrotechnical Commission (IEC) developing reports and standards to protect commercial equipment and systems ...

Jan 18, 2026

EMP Protection and Resilience Guidelines

These levels were initially developed at the request of the federal Continuity Communications Managers Group (CCMG), but are applicable to any organization that desires to protect its electronics and ...

May 27, 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 ...

Mar 08, 2026

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

DSA approval of plans and certification of construction is required for all new communication towers. All antenna attachments will require inclusion of current code DSA approved PC drawings or be ...

Jun 10, 2026

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, ...

Jan 12, 2026

eCFR :: 47 CFR Part 17 -

This paragraph contains information collection and recordkeeping requirements and will not become effective until approval has been given by the Office of Management and Budget.

Contact Us

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