

Classification of Tower Communication Security Levels



Overview

Commercial wireless communication towers are often Risk Category II, as are television and radio broadcasting towers, and sites that support antennas or similar equipment. Furthermore, the comprehensive application of Class III categorization to communication towers with the in-tention of increasing the reliability of wireless networks during emergency situations frequently fails to achieve the. Structure Class I: Structures that due to height, use or location represent a low hazard to human life and damage to property in the event of a failure and/or used for services that are optional and/or where a delay in returning the services would be acceptable. 2 further defines Class. •A big change – the biggest since 1986 •9 years of Work •Published August 2005 •Addendum 1 published October 2006 •Addendum 2 published by January 2008 2 Revision G Philosophy – Why Change?

- New Technology –Engineering Theory – LRFD vs. Going higher in risk, these are towers that could create a significant risk in the event of a failure because of their height. Risk categorization established within ASCE 7 and IBC are historically related to building occupancy among other factors has inconsistent correlation to communication tower use and function. The previous version of the Standard was Rev F. The wind speeds are not directly.



Article Content

Oct 14, 2025

ANSI/TIA-222-G Explained

-A tall tower is subjected to wind that will move up and down the tower in approximately 180 ft long segments. The movement of gusts up and down the tower will eliminate the "inflection points."

May 19, 2026

Q and A With American Tower: Revision I | American Tower

In general, structure classification, known as Risk Category, remains identical from Revision H to Revision I. The same methods and recommendations which identify a structure as ...

Sep 04, 2025

ANSI/TIA-222-G Tower Structure Classification | PDF | Risk ...

This document discusses the classification of communication tower structures according to several standards. It explains that ANSI/TIA-222-G defines three structure classes based on the hazard level ...

Feb 19, 2026

Classification of Tower Structures

Risk categorization established within ASCE 7 and IBC are historically related to building occupancy among other factors has inconsistent correlation to communication tower use and function.

May 07, 2026

Classification of Tower Structures per

Structure Class definitions have been incorporated into the TIA-222 Standard to provide accurate classification of tower structures and avoid misapplication of building and other supporting structures ...

Jun 23, 2026

Wireless Tower Risk Classifications

A guide for tower professionals to understand communication and wireless tower risk classifications, what they mean and how they differ.

Apr 04, 2026

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

ommunication tower design and analysis is frequent-ly misapprehended. Risk categorization established within ASCE 7 and IBC are historically related to build-ing occupancy among other factors.

Nov 10, 2025

Protected Distribution Systems Student Guide

A PDS must originate in a controlled access area (CAA) that is controlled at the highest level of the data carried by the PDS. For example, if the PDS carries Secret data, the origination point must, at a ...

Aug 16, 2025

ANSI/ASSP A10.48-2023: Communication Structures

The business structure of the communication tower industry presents additional challenges to ensuring employee safety, as the responsibility for employee safety is fractured into ...

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