

## Kongres Container

# Basic principles of wind power lightning protection for communication base stations



## Overview

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Recommendation ITU-T K.112 provides a set of practical procedures related to the lightning protection, earthing and bonding of radio base stations (RBSs). It considers two types of RBS: those that are stand-alone installations, comprising a tower and the associated equipment and those that are.

Please save questions until the end of the presentation as great minds think alike and your questions will be answered in a slide of two. All tower installations should follow local codes. If none exist then follow USA National Electrical Codes known as NEC. Make sure what you are doing is.

In base station lightning protection design, the grounding grid and ground busbars are key components. With proper design, they can effectively reduce the impact of lightning on the station. 2. Base Station SPD (Surge Protective Device) SPDs used in base stations protect equipment from.

The lightning strike is a type of surge voltage Insufficient assessment of lightning strike risk (1) Assessment of lightning strike risk – Complex evaluation process according to IEC61662 – Historical basis – statistics on thunderstorm days – Terrain survey – risk coefficient – Lightning attraction.

It is the intention of this application note to discuss suitable techniques to protect electronic circuits and equipment from high voltages and surge currents induced by lightning and other forms of transients. Most process control or telemetry installations are interconnected by power and signal.

Many people are hesitant to spend the money to implement customized communications protection or ham radio lightning protection, but the safety of your personnel makes it a worthwhile investment (not to mention the cost of replacing or repairing unprotected structures otherwise). A lightning strike.

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