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IEEE Standard for Pole Line Hardware for Overhead Line Construction

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USA

IEEE Std C135.90™-2014

IEEE Standard for Pole Line Hardware for Overhead Line Construction

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Abstract: This standard covers the requirements of inch-based wood pole line hardware commonly used in overhead line construction. Metric pole line hardware is not covered by this standard.

Keywords: hardware, IEEE C135.90™, line, overhead, pole, wood

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Introduction

This introduction is not part of IEEE Std C135.90-2014, IEEE Standard for Pole Line Hardware for Overhead Line Construction.

This standard combines the following standards for wood pole line hardware for overhead line construction:

- ANSI C135.22, ANSI Standard for Zinc-Coated Ferrous Pole-Top Insulator Pins with Threads for Overhead Line Construction.[a]
- IEEE PC135.11, Draft Standard for Zinc-coated Ferrous Guy Attachments, Wrap and Formed Guy Hooks, Guy Strain Plates, and Pole Eye Plates for Overhead Line Construction.[b]
- IEEE Std C135.2™, IEEE Standard for Threaded Zinc-Coated Ferrous Strand-Eye Anchor Rods and Nuts for Overhead Line Construction.[c,d]
- IEEE Std C135.12™, IEEE Standard for Pole Guards.
- IEEE Std C135.17™, IEEE Standard for Zinc-Coated Ferrous Bolt-Type Insulator Pins with Threads Used with Pin Type Insulators for Overhead Line Construction.
- IEEE Std C135.33™, IEEE Standard for Galvanized Ferrous Crossarm Gains for Overhead Line Construction.
- NEMA PH11, NEMA Standards for Galvanized Ferrous Guy Attachments, Wrap and Formed Guy Hooks, Guy Strain Plates and Pole Eye Plates.[e]
- NEMA PH23, NEMA Standards for Steel and Malleable Iron Guy Clamps.

[a] ANSI publications are available from the American National Standards Institute (http://www.ansi.org).
[b] This IEEE project was withdrawn in December 2010.
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Contents

IEEE Standard for Pole Line Hardware for Overhead Line Construction

1. Overview

1.1 Scope

This standard covers the requirements of inch-based hardware commonly used in wood pole overhead line construction. Metric hardware is not covered by this standard.

1.2 Purpose

This standard will combine several existing IEEE, ANSI, and NEMA standards that are either current or archived. These standards provide the user and manufacturer with established manufacturing specifications. The current use of several standards requires work on each standard on a five-year cycle, which has resulted in some of these standards being archive. The combined standard will prove for a timely review process for the standard and will provide the industry with a current standard for widely used pole line hardware.

2. Normative references

The following referenced documents are indispensable for the application of this document (i.e., they must be understood and used; therefore, each referenced document is cited in text and its relationship to this document is explained). For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments or corrigenda) applies.