

NESC Clearances & Grounding for Power & Communications Utilities

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Featuring new discussions, new handouts
& joint-use clearance exercises

PCUTRAINING.COM
Power & Communication Utility Training
STANDARDS TRAINING FOR UTILITY PROFESSIONALS

March 9-12, 2015

October 26-29, 2015

Myrtle Beach, SC

Instructors: Allen L. Clapp, PE,
and John B. Dagenhart, PE

Revised for
2015

2.4 CEUs, 24 PDHs

3.5 Days — \$1,645

Day 1

- ◆ Introduction
- ◆ Organization of the NESC
- ◆ Utility responsibilities
- ◆ How and when to use NESC "Grandfather Clause"
- ◆ Definitions and references
- ◆ Inspections
- ◆ Corrections of noncompliant conditions
- ◆ Structure location clearances

Day 2

- ◆ Introduction to vertical clearances
- ◆ Vertical clearances above railroads, roadways, parking lots, driveways, farm areas, pedestrian areas, and water areas
- ◆ Cable and conductor crossing clearances
- ◆ Clearances to other line structures

Day 3

- ◆ Clearances to buildings, signs, tanks and other installations
- ◆ Bridge clearances
- ◆ Swimming pool clearances
- ◆ Clearances to grain bins, coal silos, etc.
- ◆ Conductor to conductor clearances
- ◆ Climbing space clearances
- ◆ Working space clearances
- ◆ Clearances of vertical and lateral conductors and cables
- ◆ Joint-use clearances
- ◆ How to determine correct joint-use cable position in the field to meet NESC design condition clearances
- ◆ Joint-use clearance exercises
- ◆ NESC and ANSI Z535 Safety Sign Requirements
- ◆ Line insulation rules
- ◆ Supply stations clearances
- ◆ Selected strengths and loadings

Day 4

- ◆ Underground installation clearances
- ◆ Redesigning pole top assemblies to increase both safety and efficiency
- ◆ Grounding requirements of Parts 1, 2, & 3
- ◆ Grounding methods of Section 9

The Premier Seminar on NESC Construction Requirements

About the seminar

The NESC® is the basis for your power and communication line construction standards and work procedures. Safe installations improve community relations and system reliability, while decreasing long-term costs. Your personnel need to understand how to correctly apply the National Electrical Safety Code in both usual and unusual situations, particularly on joint-use pole lines.

Attendees will work practical exercises in teams. Written answers are given for each question, including rule references. Additional exercises and answers are provided for later use by attendees.

Who should attend

- ◆ design engineers
- ◆ staking technicians
- ◆ make-ready technicians
- ◆ inspectors
- ◆ standards developers
- ◆ line workers
- ◆ contractors
- ◆ claims investigators
- ◆ training personnel
- ◆ attorneys

Important topics

- ◆ How to apply the NESC to power, telephone, CATV and railroad utility systems in practical situations
- ◆ How to properly use the NESC to develop clearances, grounding, and strength standards for new construction or check compliance of existing construction
- ◆ Responsibilities for meeting NESC requirements
- ◆ Rationale behind NESC requirements
- ◆ How to treat a situation not directly addressed by the NESC
- ◆ How to correctly determine clearances between power and communication facilities

In addition, you receive

- ◆ 2012 National Electrical Safety Code
- ◆ NESC Handbook, 7th Edition
- ◆ Bound Student Workbook
- ◆ Excerpts from Practical Utility Safety
- ◆ Exercise/Answer sets
- ◆ CEUs and NC or FL PDHs awarded upon successful completion of workshop
- ◆ Plus continental breakfasts, lunches, & refreshments

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Note: Adjourn @ 11:00am; plan flights for 1:30pm or later.

For complete information on our seminars and products visit our website www.PCUTraining.com or call Toll free 1.877.502.8900