

# Applying the National Electric Safety Code® (NESC®) to Day-to-Day Utility Work (4 - Ninety-Minute Web Seminars)

## Class Schedule

### Introduction, Grounding, and Substations (Class 1 of 4)

- The Four Parts of the NESC®
- Purpose and Scope of the NESC®
- The NESC® vs. the NEC
- Definitions and References
- Grounding Methods for Substations and Lines
- Substation Fences
- Safety Signs
- Storage
- Clearances
- Guards

### Overhead Lines I (Class 2 of 4)

- Inspection and Tests of Overhead Lines
- Readily Climbable Structures
- Tree Clearing
- Understanding a Sag and Tension Table
- The 10 Rules of Overhead Line Clearance
- Most Popular Table in NESC®, Table 232-1
- Applications of Rules 230, 231, 232, & 233

### Overhead Lines II (Class 3 of 4)

- 2nd Most Popular Table, Table 234-1
- Climbing Space and Working Space
- Joint Use Overhead Clearances
- Communication Worker Safety Zone
- Grades of Construction
- Overload and Strength Factors
- Applications of Rules 234, 235, 236, 237, 238, & 239

### Underground Lines and Work Rules (Class 4 of 4)

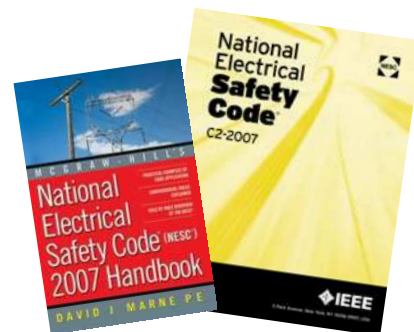
- UG Conduit vs. Direct Buried Systems
- Burial Depths
- Submarine Cable Crossings
- Manholes and Vaults
- Joint Use Underground Installations
- 4 Rules of Operating Supply & Comm. Lines
- The NESC® vs. OSHA
- General Rules for Employers and Employees
- Additional Rules for Communication Workers
- Additional Rules for Supply Workers

## About the Seminar Series:

*Applying the National Electric Safety Code® (NESC®) Day-to-Day Utility Work* seminar series consists of a four separate ninety-minute web seminars focusing on the rules in the National Electrical Safety Code® (NESC®). The classes will provide a general overview of each part of the NESC® and applying the Code to day-to-day work will be stressed by focusing on practical NESC® examples and applications. The class is intended for engineers, staking technicians, power linemen, communications linemen, safety personnel and inspectors. Prior working knowledge of the NESC® is not required. The class includes ample time for questions and attendees are encouraged to share their NESC® applications with the entire class. The presentation is rich in graphics. Understanding the NESC® rules is a must for personnel responsible for operating a safe utility system.

## About the Instructor:

This course has been prepared under the direction of David J. Marne, P.E. Dave is the author of *McGraw-Hill's NESC® 2007 Handbook*. The class will be presented by David Marne, P.E. or Grant Glaus, P.E. Both gentlemen have experience with NESC® code applications, transmission design, distribution design, substation design, joint use power and communication design, and system planning.



Attendees are encouraged to bring a copy of the NESC® Codebook and McGraw-Hill's NESC® Handbook. These books are available at [www.codehandbook.com](http://www.codehandbook.com).

## CONTINUING EDUCATION UNITS

Each seminar provides 0.15 Continuing Education Units (CEUs) or 1.5 Professional Development Hours (PDHs) for a total of 0.6 Continuing Education Units (CEUs) or 6 Professional Development Hours (PDHs).



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