Applying the NESC®
Transmission Voltage Focus
(1-Day)

Class Schedule

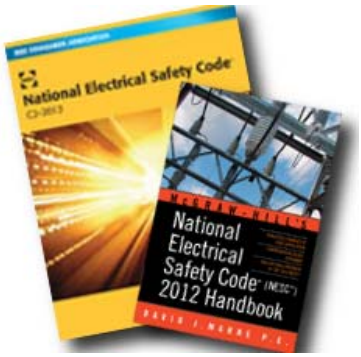
8:00 a.m.	Registration begins
8:30 a.m.	Welcome
8:45 a.m.	Transmission Voltage Focus General Sections • Introduction - Section 01 • Definitions - Section 02 • References - Section 03 • Grounding - Section 09
10:15 a.m.	Break
10:30 a.m.	Transmission Voltage Focus Part 1 – Electric Supply Stations • Fencing, Signing, and General Substation Requirements • Transmission Voltage Setback from Fence • Transmission Voltage Clearance Above Substation Grade
12:00 Noon	Lunch
1:00 p.m.	Transmission Voltage Focus Part 2 – Overhead Lines • Clearance of a Transmission Line Above Ground (Rule 232) • Clearance between a Transmission Line Crossing Over a Distribution Line (Rule 233) • Clearance from a Transmission Line to a Building (Rule 234)
2:30 p.m.	Break
2:45 p.m.	Transmission Voltage Focus Part 2 – Overhead Lines (continued) • Clearance of a Transmission Line to a Distribution Underbuild (Rule 235) • Clearance of a Transmission Line to a Communications Circuit and a Communications Antenna (Rule 235) • Strength and Overload Factors for Transmission Line Design (Sections 24-27) Transmission Voltage Focus Part 3 – Underground Lines • Burial Depth of Transmission Cables Transmission Voltage Focus Part 4 – Work Rules • Approach Distances to Transmission Conductors • Arc Flash Calculations and Fire Rated Clothing
4:15 p.m.	Adjourn

About the Seminar:

This NESC® seminar is a one-day class focusing on the transmission voltage rules in the National Electrical Safety Code® (NESC®). The class will start with the general sections in the NESC® and then focus on examples and exercises with transmission voltage levels in substation, on overhead lines, and underground lines. This class is primarily intended for transmission line and substation engineers and operations foremen. 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® 2012 Handbook*. The class will be presented by Dave or one of Marne and Associates qualified presenters. Presenters have various experience with NESC® code applications, transmission design, distribution design, substation design, and joint use power and communication design.



CONTINUING EDUCATION UNITS

This course provides 0.6 Continuing Education Units (CEUs) or 6 Professional Development Hours (PDHs). Please note that the CEU/PDH units for this class are not registered with any state education or licensing board.

Attendees are encouraged to bring a calculator and a copy of the NESC® Codebook and McGraw-Hill's NESC® Handbook. These books are available at ww.codehandbook.com.