

Now is the Time to Get it Right! Grounding vs. Bonding Seminar



About Your Presenter

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Grounding versus Bonding Seminar Registration Form

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Confused about Grounding? Who's Not!

Grounding and Bonding of electrical systems, sensitive electronic, and communications equipment is the most important and least understood activity in the electrical, data processing and communications industry. All topics will be explained in an informal and relaxed style using PowerPoint full-color graphics and examples that apply to today's electrical installations. Those attending this high-energy program will learn the basics as well as the advance concepts necessary to understand the practical grounding and bonding rules in the NEC® for systems not over 600V.

Q
A

Do you need to attend this seminar? Take this quiz and find out!

- Q. When electrical current is provided with multiple conductive paths on which to flow, current will always take the path of least resistance?
- Q. Grounding ensures that dangerous voltage on metal parts from a ground fault can be removed or be reduced to a safe level?
- Q. If an electrical system is properly installed, the voltage between the neutral terminal and the ground terminal at a receptacle should be near zero?
- Q. Grounding premises wiring to a low resistive grounding grid can help reduce stray voltage?

If you answered true to any of the above questions, then you need to attend this seminar! For a more comprehensive quiz, please visit <http://www.mikeholt.com/quizzes>

Seminar Topics include:

Grounding Fundamentals

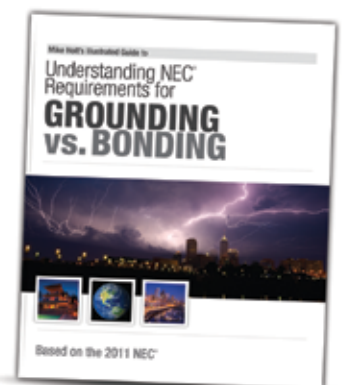
- Purpose of Grounding and Electrical Fundamentals
- Lightning Protection and ITVSS Protection
- Earth Grounding versus Equipment Grounding
- Effective Fault-Current Path
- Stray Voltage and Current
- Proper Neutral-to-Ground Connections
- Ground Loops
- Objectionable Currents (Net Current)
- EMI and RF Interference

System Grounding

- Services Equipment
- Transformers
- Generators
- Separate Buildings and Structures
- Portable and Vehicle Generators

Grounding Sensitive Electronic and Communications Equipment

- The Grounding Electrode System
- Ufer Ground
- Grounding Sensitive Electronic Equipment (Isolated and Signal Reference Ground)
- Grounding of Communications Systems (Telephone, CATV, Satellite Dishes, Antennas)
- Grounding Data and Instrumentation Cables



The seminar is based on the material found in this book. For more information about this textbook please visit:

www.MikeHolt.com/NEC