

ELECTRICAL SAFE WORK PRACTICES REFRESHER



Provided by
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Objective

This class is designed to provide persons who work on or near electrical hazards with the information necessary to safeguard them from shock, arc-flash and arc-blast hazards. It presents the NFPA 70E Standard for Electrical Safety in the Workplace and associated OSHA regulations in such a manner, that regardless of experience, attendees leave with a clear understanding of the requirements.

Electrical regulations and standards require qualified person(s) to be safety trained to recognize and avoid electrical hazards. This class is designed to provide employees exposed to electrical hazards with the electrical safety training they need.

Although attending this class by its self does not qualify the attendee to perform electrical work, it is designed to provide the crucial safety component in the overall electrical qualification process. The novice will learn of the hazards involved in electrical work and how to avoid them, the veterans will receive a new appreciation of the potentially disastrous outcomes of taking shortcuts and becoming complacent. Attendees will receive the information they need to properly select, use, and care for the PPE appropriate for electrical hazard protection.

Who Should Attend

This class is for individuals that work on or near electrical hazards. It also provides an NFPA 70E certificate of training often required by contractors, service personnel, and vendors entering NFPA 70E compliant facilities. This class is a must for: **Electricians, Technicians, Supervisors, Field Engineers, Safety Personnel, and Others** that regularly or occasionally perform work that may expose them to electrical hazards.

Class Structure

The class is structured to be a 6 to 8 hour class. A PowerPoint presentation with pictures and videos, as well as true stories and experiences will be used to keep the class interesting and relevant. A flip-chart is used for explanations and for answering questions. The class is very informal and fast moving, with an atmosphere that encourages questions. For best results, groups of 25 or less are recommended.

What You Will Learn

- Pertinent OSHA and NFPA 70E electrical regulations
- How OSHA, NFPA 70E, NEC and Company Policies fit together.
- How to determine approach boundaries.
- What to wear and what not to wear near electrical hazards.
- How to select the proper PPE for shock and arc-flash using the NFPA 70E tables.
- How to combine flame-resistant clothing to provide proper protection.
- How to properly care for the assigned PPE.
- How to recognize an electrical hazard.
- How to avoid electrical hazard.
- How to reduce the potential of a hazardous electrical arc-flash.
- The importance of proper selection and settings of overcurrent devices.
- What are the requirements to be qualified to perform electrical work or related tasks.
- What is an electrically safe working condition and energized electrical work permit.
- Labeling requirements.
- Importance of proper grounding and GFCIs.
- Prohibited uses of flexible cords

Materials

A handout containing copies of the material presented will be provided to each attendee. If attendees have a personal copy of NFPA 70E they may wish to bring it along for referencing and highlighting.

About the Instructor



John Klingler, P.E. will be your instructor. He is nationally-recognized as an expert on NFPA 70E and has been selected by small and large companies to present NFPA 70E to their employees. He has written three well-published articles on the subject, including one published by NFPA in their NEC Digest magazine; providing a user-friendly explanation of NFPA 70E and a common-sense approach to apply it to the workplace. John consistently receives compliments from OSHA personnel, management, and labor; for providing needed information on this subject in an easy-to-understand manner. John is a Professional Engineer, was formerly a licensed Master Electrician, a Department of Labor certified Electrical Instructor, and has been an MSHA certified electrician in low, medium and high voltage. John has been approved as an OSHA instructor for 10-hour General Industry Safety Training, and has taught IACET approved courses in Basic Industrial Electricity, Hands-on Troubleshooting, National Electrical Code, and Electrical Safety. With over 25 years of experience in management, engineering, supervision and as an electrician, along with 6 years of electrical training experience, John brings the perspective of management, engineering, and the electrician to the classroom. John has personally conducted arc-flash hazard analyses for several nationally-recognized companies, helped develop electrical safety programs and can speak of typical findings and results. You will not be disappointed with his presentation and informal discussions.

Get your supervisors and qualified persons the training they need!

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