



ARC FLASH ELECTRICAL SAFETY [based on NFPA 70E]: CHANGES- LIVE ONLINE TRAINING

Single Class Capacity: 15
Duration: 1 Day - 8 Hours

The same great course, but in a live virtual webinar format to make it easier for your team to attend.

This course is intended for electrical workers, supervisors, managers and HSE personnel who are responsible for electrical safety programs and, the health and safety of workers. This course meets the requirements specified for 3-year refresher training in the NFPA70E® standard: “Retraining in safety-related work practices and applicable changes in this standard shall be performed at intervals not to exceed 3 years.”

There are other specific requirements for training to occur more often.

WHAT THIS COURSE COVERS

- Risk assessment procedure; the hierarchy of risk controls and human errors
- Establishing an electrically-safe work condition that includes Lockout/Tag out principles and procedures
- Estimate of the likelihood of occurrence of an arc flash incident for AC and DC systems
- Selection of arc-rated clothing and other personal protective equipment (PPE) using the incident energy analysis method

WHO SHOULD TAKE THIS?

- Electrical workers
- Maintenance Techs
- Safety and Electrical Managers
- HSE Personnel
- Electrical Contractors
- Other qualified electrical workers

COURSE OUTCOMES

- Learn to identify the hazards of an electrical job.
- Assess what can be done to eliminate hazards.
- Understand methods of mitigating hazards.
- Explore how to use best industry practices to comply with requirements.



Every NTT course is eligible for CEUs (or Continuing Education Units) with your governing board approval or your states approval.



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COURSE AGENDA

EXPLORE MAJOR CHANGES TO ARTICLES 90, 100, 105 AND 110

- Definitions – new and revised.
- Maintenance issue requirements.
- Job planning and job briefings.
- Incident investigations.
- Auditing.
- Emergency training requirement changes responsibilities.
- Test Instruments and equipment.

CLARIFY CHANGES TO ARTICLE 120, VERIFYING AN ELECTRICALLY SAFE WORK CONDITION

- General information.
- Responsibilities.
- Procedures.
- Process for establishing and verifying an electrically safe work condition.

REVIEW OF THE HAZARDS OF ELECTRICITY

- General information.
- Responsibilities.
- Procedures.
- Process for establishing and verifying an electrically safe work condition.

REVIEW ELECTRICAL SAFE WORK PRACTICES AND THE MAJOR CHANGES OF ARTICLE 130

- Implementing a Risk Assessment approach as opposed to compliance.
- NFPA 70E change reflecting the use of new technologies for equipment inspections for operation.
- Changes to DC voltage requirement.
- Normal operating conditions additional requirement.
- Risk assessment requirements.
- Estimating likelihood and severity.
- Equipment Labeling.
- Electrical Personal Protective Equipment (PPE).
- Changes to Chapter 2 and 3 plan.



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EQUIPMENT DETAILS

CLIENT PROVIDED COMPUTER REQUIREMENTS

- Internet Access
- Speakers
- Microphone
- Ability to download and view files for course

