

NFPA 70E: 2018 Qualified Electrical Worker

Length: 1 Day/8 hours

Summary: All topics in the course are intended to inform those who are considered “qualified” by their employer to work on or around electrical systems less than 600V. This course, however, will discuss the requirements as defined in law under OSHA and Cal/OSHA regulations, that the NFPA 70E addresses and exceeds within the scope of industry recognized “best practices”.

Testing and proof of understanding is by written test only. Each attendee will need to achieve an 80% or better score on the test to receive a certificate and wallet card.

The course includes a manual that incorporates: a, B & W printout of the PowerPoint, specific extracts from the NFPA 70E 2018, an in-depth discussion of Risk assessment and examples of: a written procedure for energized work (MOP), and process for selecting PPE when an Arc Flash Study has not been completed.

COURSE CONTENT

Article 90

- Scope and applicability

Article 100

- Definitions essential to understanding and applying the NFPA 70E

Article 105

- Chapter 1 scope and organization
- Responsibilities within the 70E

Article 110

- General requirements for Electrically Related Work Practices including multi-employer responsibilities.
- Specific training requirements for qualified and unqualified workers.
- Electrical Safety Program development requirements including application, implementation, controls components, auditing and documentation
- Use and ratings of testing equipment

Article 120

- Process and Principles of Lockout/Tagout
- Types of energy control procedures/structures
- Responsibilities within Lockout/Tagout
- Re-energizing and return to service
- Work area control, procedure control
- Temporary grounding equipment

Article 130

- Working on and around energized systems
- What is “Energized Work” and who can perform it
- Circumstances under which energized work is permitted (allowed)
- Permits and exempt activity
- Risk assessments, Arc Flash Studies and the use of the Arc Flash Hazard PPE Tables
- Boundaries for Shock and Arc Flash Protection
- Other precautions for energized work
- Labeling requirements
- Selection and use and care of PPE, IE Calculation and Table Method
- Other protective equipment and alerting signs

Article 200-350

- Brief overview only

Appendices

- Brief overview only

Videos and photo examples of incidents included in presentation

Written exam: 25 questions

