

ELECTRICAL

SAFE WORK PRACTICES (2-DAY)

WE IMPROVE WORKPLACE SAFETY & PERFORMANCE

RECENT CHANGES REQUIRE A QUALIFIED PERSON TO BE TRAINED

Only qualified people are allowed to perform electrical maintenance and testing on live circuits and those qualified people must be trained. The NEC, NFPA 70E and OSHA all have this requirement for training.

Do the definitions to the right define your people?

NFPA 70 National Electrical Code 2011 Edition & NFPA 70E 2012 Edition

Article 100 Definitions:

Qualified person: One who has skills and knowledge related to the construction and operation of the electrical equipment and installations and has received safety training to recognize and avoid the hazards involved.

OSHA 1910.399 Definitions:

Qualified person: One who has received training in and has demonstrated skills and knowledge in the construction and operation of electric equipment and installations and the hazards involved.

TRAINING DESCRIPTION:

This two-day seminar is designed for all personnel who work on, around or near any type of electrically energized equipment. Electrical hazards, proper electrical work practices and procedures, and the safe installation of electrical equipment will be discussed.

You will be introduced to the rules and regulations as required by the OSHA Electrical Safety Related Work Practices Standard 1910.331-1910.335. Designed to keep workers safe and up-to-date, this seminar provides life saving information. It is perfect for those who need refresher training, or those who have had little exposure to proper work practices.

*Note: This program contains very graphic material.

4 Key Reasons Not to Miss This Training:

You will --

1. Increase your safety awareness.
2. Learn the minimum requirements of the OSHA standards and how they are applied in the work place.
3. Be able to spot hazards, avoid accidents, and prevent costly fines before they happen.
4. Possibly prevent the death or injury of a co-worker or yourself!

TRAINING TOPICS:

STANDARDS FOR ELECTRICAL SAFETY

- OSHA
- Code of Federal Regulations 1910.331-335
- NFPA 70E
- Workplace Safety Programs

ELECTRICAL FUNDAMENTALS

- Understanding Electricity
- Conductors/Insulators
- Shock Safe and Unsafe Current Values

QUALIFIED VS. UNQUALIFIED

- Training Knowledge Tools and Methods

NIOSH CASE STUDIES

- Fatality Assessment
- Attitudes, Emotions, & Conditions

HAZARD ANALYSIS

- 70E Hazards
- Approach Boundaries for Shock Protection
 - Limited
 - Restricted
 - Prohibited

- Arc Flash Boundary
- Clearance Distances
- Labeling

WORK INVOLVING ELECTRICAL HAZARDS

- Justification
- Permits
- Exemptions

PERSONAL PROTECTIVE EQUIPMENT

- Arc-Rated Clothing
- Hazard Risk Categories
- Voltage Rated Gloves and Tools
- Selecting PPE, Hazard Analysis Vs. 70E Tables

REDUCING ELECTRICAL HAZARDS

- Fuses
- Circuit Breakers
- Guarding
- Grounding
- GFCI

METER SAFETY

- Selection and Use
- Types
- Category Rating

ENERGY CONTROL PROGRAM

- Lockout/Tagout
- Training
- Inspection

2-DAY
TRAINING

CLASS SIZE: UP TO 20
CLASS LENGTH: 12 HOURS
CLASS NUMBER: S_C112

Lewellyn
TECHNOLOGY