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## Lockout Tagout Training

Contact us Today for a FREE quotation to deliver this course at your company's location.

<https://www.electricityforum.com/onsite-training-rfq>

Each and every day, North American electrical workers are exposed to electrical hazardous energy from industrial machinery, equipment and processes. Companies have an obligation to comply with applicable regulatory lockout tagout standards, establish methods for achieving a zero energy state and prevent the inadvertent (accidental or negligent) startup of machinery, equipment or processes in order to protect electrical workers.

Lockout tagout standards provides for decision-making flexibility regarding hazardous energy control. "Other Methods", when used, are based upon risk assessment and application of the classic hazard control hierarchy.

Every workplace requires constant maintenance. Installation, repair, and servicing of equipment and machines, although routine, always holds an element of danger for personnel performing the tasks.

Injury can occur as a result of the inadvertent startup of machines, equipment or processes, contact with live circuits or an unexpected release of stored energy.

Avoid these hazards. Effective lockout procedures isolate energy and control machinery and equipment - helping to protect the operators, maintenance personnel and the machines themselves.

### **Training on Lockout Tagout Devices**

If tagout devices are used, further training on tagout systems need to emphasize that:

- Tags are warning devices only and do not provide a physical restraint that lockout devices provide
- Tags must not be removed without the authorized employee's approval and should never be bypassed, ignored, or otherwise defeated
- Tags must be legible and understandable by all employees
- Tags must be able to withstand environmental conditions in the workplace
- Tags may give employees a false sense of security
- Tags must be securely attached to prevent inadvertent or accidental detachment

### **Lockout/Tagout Training General requirements**

Training must ensure that the purpose and function of your energy control plan are understood and that employees gain the needed knowledge and skills to safely apply, use, and remove hazardous energy controls. Minimum training must include:

- Authorized employees must be able to recognize:
  - hazardous energy sources
  - types and magnitudes of energy in the workplace
  - methods and means necessary to isolate and control the energy

Affected employees must be instructed on the:

- purpose and use of your energy control procedures

Other employees must be instructed about:

- the energy control procedure in general
- prohibitions relating to attempts to restart/reenergize equipment

### **Lockout Tagout Training - Control of Hazardous Electrical Energy - Lockout and Other Methods**

was developed due to a lack of understanding and measurable consistency in the field regarding Lockout principles and also by the rapidly changing technology and automation related to complex industrial machinery. This standard establishes requirements and performance objectives for procedures, techniques, designs and methods for the effective control of Hazardous Energy.

### **WHO SHOULD ATTEND**

#### **THIS COURSE IS IDEAL FOR:**

- Industrial, Commercial, Institutional Electrical Industry Engineering And Maintenance Personnel
- Electrical Personnel Who Work On Or Near Energized And De-Energized Electrical Equipment
- Electrical Safety Managers And Safety Professionals
- Non-Electrical Personnel Working In The Vicinity Of Energized Systems, Or Involved In Lock Out/Tag Out Of Motor Control Sections
- Electrical Engineers
- Plant Electricians
- Qualified Electrical Workers
- Instrumentation Mechanics
- Electrical Technicians
- Managers & Safety Professionals

### **STUDENTS RECEIVE**

#### **STUDENTS RECEIVE**

- 100-Page Electrical Safety Handbook - Value \$20 (Details Below)
- 0.6 Continuing Education Unit (CEU) Credits
- A **FREE** Magazine Subscription (Value \$25)
- **\$100** Coupon Toward Any Future Electricity Forum Event (Restrictions Apply)

### **COURSE OUTLINE**

#### **Lockout Tagout Training Course**

## **6-Hour Live Online Instructor Led Course Outline**

### **Introduction to Lockout:**

- Purpose of Lockout
- Definitions - According to CSA Z460
- Importance of Following Lockout Procedures
- Identification of Hazardous Energy/Stored Energy
- Energy Isolating Devices
- Performing Lockout = Who and When

### **Developing an Effective Lockout Program:**

- Methods of Control
- Hazardous Energy Control Procedures (Placards)
- Lockout Procedures Elements
- Lockout Devices and Associated Hardware
- Elements of Energy Control
- Provisions for Energy Control Interruption
- Lock and Tag Removal Worker Absent
- Outside Contractors
- Individual Lockout
- Group Lockout
- Complex Group Lockout
- Shift or Personnel Changes
- Communication and Training

### **Other Hazardous Energy Control Methods:**

- Appropriate tasks for other Control Methods
- Risk Assessments for Other Hazardous
- Energy Control Hierarchy of Other Hazardous

- Energy Control Implementation

**Other Hazardous Energy Control Methods:**

- Engineered Safegaurds
- Control System INtegrity
- Lockout and Other Control Methods-Decision Matrix
- Hazardous Energy Control Decision Logic

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