

Lock It, Tag It and Live: Low and High Voltage Electrical Workers

This one day program will qualify and certify electrical employees in the procedures to be used in the lockout/tagout process to ensure safety & protection during repair and maintenance of low voltage equipment. Employees will receive instructions in proper lockout/tagout procedures, the use of locks and tags, proper removal of lockout/ tagout devices and potential hazards involved in the lockout/tagout process.

LOCKOUT AND TAGOUT PROGRAMS

Objective: Recognize and appreciate the need for, and purpose of, lockout/tagout program

SUBTOPICS:

- Need for Lockout/Tagout
- Nature and Extent of Potential Energy Hazards
- Hazards Associated with Energy Potentials
- Proper Lockout/Tagout Procedures
- Use of Locks and Tags
- Removal of Lockout/Tagout Devices
- Restoration of Energy

ENERGY FORMS AND SOURCES

Objective: Recognize the different forms of energy and specific lockout tagout requirements

SUBTOPICS:

- Electrical - Low Voltage
- Electrical - High Voltage
- Hydraulic
- Pneumatic
- Kinetic
- Potential
- Thermal

REGULATIONS AND STANDARDS

Objective: Evaluate regulations and standards affecting the company

SUBTOPICS:

- Provincial Regulations
- Federal Regulations
- CSA Z460 - Control of Hazardous Energy - Lockout & Other Methods
- NFPA 70E - Standard for Electrical Safety in the Workplace

COMPANY STANDARD

Objective: Compare the company program to other standards

SUBTOPICS:

- Purpose
- Policy
- Terms and Definitions
- Procedure
- Protective Materials and Hardware

COMPANY LOCKOUT AND TAGOUT PROCEDURES

Objective: Follow the company lockout and tagout procedures on the job

SUBTOPICS:

- Preparation for Shutdown
- Machine or Equipment Shutdown
- Machine or Equipment Isolation
- Lockout or Tagout Device Applications
- Stored Energy
- Verification of Isolation
- Release from Lockout or Tagout
- Lockout or Tagout Device Removal
- Testing or Positioning of Machines, Equipment, or Components Thereof
- Outside Personnel
- Group Lockout or Tagout
- Shift or Personnel Changes

PRACTICAL PROJECTS

Objective: Demonstrate proper lockout and tagout procedures

SUBTOPICS:

- Scenario 1
- Scenario 2
- Scenario 3
- Scenario 4
- Scenario 5
- Scenario 6
- Scenario 7
- Scenario 8