

Incorporates safe work practices of CSA Z462-08

Online Training – \$99

Workplace Electrical Safety - *Based on CSA Z462-08*

**DEVELOPED BY SCHNEIDER CANADA
SERVICES & PROJECTS**



As an employer, you have a legal duty to protect your workers from workplace hazards. Shock and arc flash are potentially catastrophic events that can cause severe or fatal injuries. When work must be done on or near live electrical parts, employers should consider incorporating the safe work practices of *CSA Z462-08 Workplace Electrical Safety* into their safety procedures.

This online course is designed to assist organizations to identify shock and arc flash hazards and prevent injuries and incidents associated with those hazards.

Course Objectives

Upon completion of this training, students should be able to:

- Identify electrical safety training requirements for qualified workers
- Identify best practice Regulations that address shock and arc flash hazards
- List the steps to perform a shock hazard analysis and describe each step
- Define the three CSA Z462 shock protection boundaries and describe their use
- List the personal protective equipment required for shock protection
- List the steps to achieve an electrically safe work condition
- Explain what ground gradients are, the common causes and how to prevent them
- List the steps to install and remove temporary protective grounding equipment
- Explain what an arc flash is and the injuries that can result
- Identify when an arc flash hazard exists
- List the steps to perform an arc flash hazard analysis and describe each step
- Define the term "incident energy," identify the key electrical system variables that affect it
- Define the term "arc flash protection boundary" and explain its application
- Define the term "arc-rated" and explain the difference between "flame-resistant" clothing and "arc rated" clothing
- Select appropriate personal protective equipment for arc flash hazards
- Describe the Hazard/Risk Category method of selecting arc flash PPE
- List the testing and maintenance requirements for personal protective equipment
- Identify the key objectives of job safety planning

Prerequisites:

Knowledge of electrical principles and concepts such as Ohm's Law and Power calculations, plus the ability to read and interpret one-line diagrams, charts and tables would be beneficial but not required.

BENEFITS:

- Learner Management
- Includes testing and Certificate of Completion
- Train employees efficiently according to YOUR schedule

AUDIENCE:

- All electrical workers: Electricians, Electrical Technicians and Technologists, Electrical Engineers, HVAC Technicians, etc.
- Plant Operations Personnel
- Occupational Health and Safety Professionals
- All personnel involved in performing electrical switching operations

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