



Safety Services

- ◆ Traffic Control Person
- ◆ Traffic Control Program
- ◆ JHSC Certification Training
- ◆ Workplace Inspection / Accident Investigation
- ◆ Competent Supervisor
- ◆ Lockout / Tagout Energy Hazards
- ◆ Confined Space Attendant, Entry and Rescue
- ◆ Chemical Hazard Training
- ◆ WHMIS Training

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SAFETY SERVICES

CSA Z462 - Arc Flash and Shock Workplace Training

This course provides a thorough knowledge of the recommended safe behaviors for those who work around electrical hazards. Attendees gain an understanding of the latest strategies in CSA Z462 and due diligence necessary to address OH&S legislation at the provincial and federal level. Electrical workers and safety professionals learn key practical information: best work practices in electrical safety and how to apply them in real-world situations.

1. Electrical Safety Facts/Risks
2. Electrical Related Government Regulations & Standards
 - Applicable: CSAZ462/OH&S & How Standards Are Used
 - Key Definitions/Issues
3. Shock Hazards & Protection Strategies
 - Types & Understanding Shock
 - Variables Impacting Hazard & Protection Boundaries
 - Energized Electrical Work Permit
 - PPE & Rated Insulated Tools and Other Equipment
4. Arc Flash Hazards & Protection Strategies
 - Causes/Types, Arc Blast & Common Places
 - Mitigating Hazard through Engineering Design and Work Methods
5. Arc Flash Boundaries & Practical Application
 - Arc Rated Personal Protective Equipment
 - PPE Programs: Categories, Levels, Systems
 - Environmental Considerations & PPE Guidelines and Maintenance
6. Risk Assessment Procedure
 - Components of Assessment & Incident Energy
 - Methods: Calculations or Tables & Labeling
 - Steps to Identify Boundaries/PPE & Task Assessment Exercise
7. Safety Related Work Practices
 - Defining “Electrically Safe Work Condition”
 - Planning & Identifying and Securing Boundaries
 - Tools and Equipment
 - Best Practices for Lock Out/Tag Out, Verifying De-energization and Grounding
 - Situational Conditions, Special Equipment & Training
 - Administrative Guidelines
 - Recognizing Hazards and Poor Work Practices