

Energized Overhead Contact Systems (OCS) Line Safety

10-Days, 8 CEUs

This comprehensive 10-day program is designed to assist in meeting the regulatory requirements for “Qualified Workers” involved in maintaining energized overhead contact systems (OCS). Participants will learn to avoid electrical hazards by being trained in special precautionary techniques and the proper use of personal protective equipment, such as rubber gloves, blankets and line hoses, insulated tools, and other protective measures to reduce the hazard of electric shock.

Arc flash protection is also covered in detail. Participants will learn specific safe work practices required when working on or near energized overhead contact systems.

Who Should Attend

This course includes lecture discussions, supplemented with video training, energized work procedures and hands-on energized work exercises. Maintenance technicians and linemen involved in energized overhead contact systems work will find this course invaluable.

Learning Objectives:

Upon completion of this course, the participant should be able to:

- Understand the three hazards of electricity, their effects on the employee and how to avoid them
- Learn to work safely on or near energized overhead contact systems
- Learn the proper care and use of electrical protective equipment
- Identify the safe-work practices for energized work
- Learn the proper application of protective grounds
- Learn approach distances to energized circuits and equipment
- Identify the requirements for good energized work procedures
- Learn appropriate techniques for use of insulating equipment

SCOPE

I. Introduction

II. Hazards of Electricity

- A. Electrical Shock
- B. Electrical Arc Flash
- C. Electrical Arc Blast

III. Personal Protective Equipment

- A. Use of Personal Protective Equipment
- B. Care of Personal Protective Equipment
- C. Inspection and Testing

IV. Energized Work

- A. Definition
- B. Energized Work Program
- C. Clearance Zones
- D. Working On or Near Exposed Energized Parts including Overhead Contact Systems
- E. Use of Test Equipment
- F. Job Briefings
- G. Wearing Apparel

V. Procedures

- A. Cover Ups
- B. Vehicle Requirements
- C. Energized Work Procedures
- D. Additional Overhead Contact Systems Safety

VI. Exercises

- A. 10 Hands-on Exercises

TRAINING INSTITUTE, INC.



CLIENT EQUIPMENT LIST

Energized Catenary Safe Work Practices

REVISED 05/16/11 BY: C. HELMICK
CLIENT COURSE NUMBER
10 DAY

TEXT

1 / STUDENT

ENERGIZED CATENARY SAFE WORK PRACTICES
COURSE #, CLIENT # / DATE

EQUIPMENT

2 / CLASS

PPE FOR INSTRUCTORS
- HARDHATS
- REFLECTIVE VESTS