



Providers of Safety, Training,
and Wellness Services

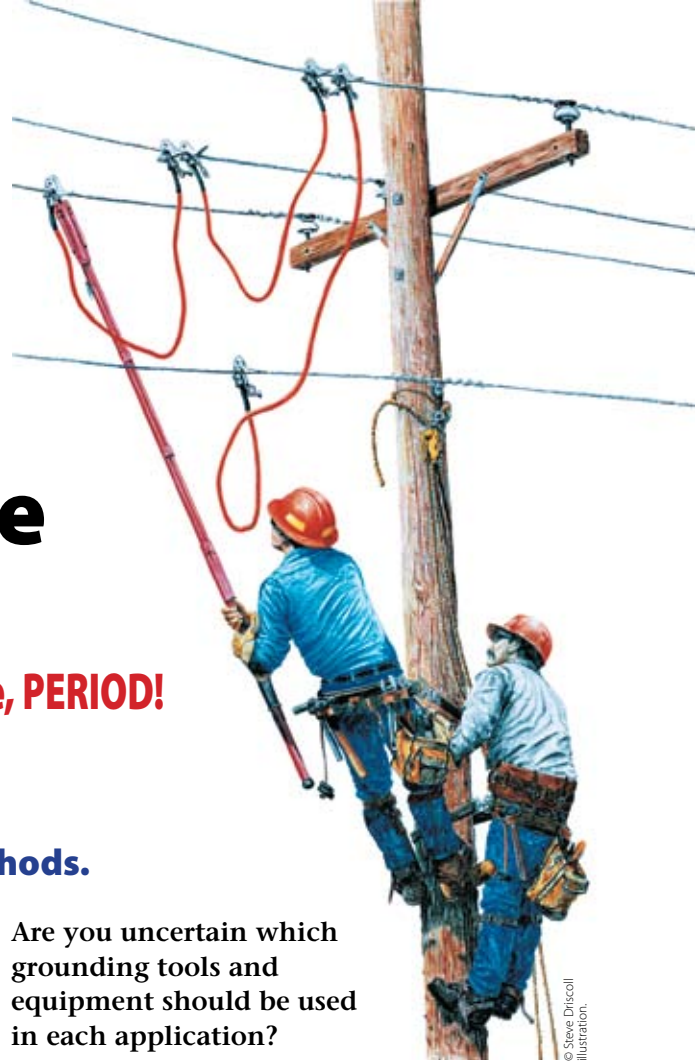


Understanding Personal Protective Grounding

The Most Complete Grounding Course Available, PERIOD!

**Completely updated in 2008—
includes the latest Grounding Regulations
& the newest industry-accepted Grounding Methods.**

- Do you have detailed questions on developing an equipotential zone (EPZ)?
- Are you questioning what is really required to provide a safe work site?
- Are you uncertain which grounding tools and equipment should be used in each application?



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Illustration

This course provides in-depth training, from A to Z, on all aspects of personal protective grounding of distribution and transmission overhead systems, distribution and transmission underground systems, substations, generating plants, and vehicles. You will participate in in-depth “real world” discussions on the application of the latest personal protective grounding methods.

The course will cover:

- The basic theory and application of personal grounding practices
- What voltage and current levels are lethal
- The newest Federal OSHA regulations relating to equipotential grounding and what to expect in OSHA's next revision to the regulation
- The grounding requirements specified in the IEEE 1048 Grounding Guide, the ASTM F-855 Grounding Equipment standard, and NESC's Grounding Regulations
- How to properly develop an EPZ on overhead distribution and transmission lines and equipment
- How to properly develop an EPZ on 200A and 600A underground distribution systems
- How to properly ground substation equipment and devices
- How to protect workers around utility equipment (vehicles and cranes)
- How to properly ground conductor stringing and tensioning equipment
- How to properly size and chose the correct ground clamps, cables and ferrules for each grounding application
- How to identify and protect workers where induction hazards exist
- How to deal with extremely high fault currents and X/R ratios

Electrical Safety Consultants International, Inc.
FAX 360-715-9727 • info@esci.net • www.esci.net

“When I looked at the program it said grounding 8:00 to 10:00, break, grounding 10:15 to 12:00, lunch, grounding 1:00 to 3:00, break, grounding 3:15 to 5:00. I thought to myself how in the world am I going to stay awake and listen to eight hours of grounding? Well, I did and Mr. Erga does an outstanding job of providing complex information in a way that is easy to understand and apply to our everyday work.”

~Rob Land, Director Risk Management and Training, Association of Missouri Electric Co-ops.

Who will benefit?

This course is for all electrical workers including line and substation crews, engineers, management and safety professionals. This course is a must for everyone in the business of operating, maintaining and constructing electrical facilities lines, cables and equipment.

Course Schedule

First Day

8:00 am Registration
8:30 am Class Begins
12:00-1:00 pm Lunch (provided)
4:30 pm Class Ends for the Day

Second Day

8:00 am Class Resumes
12:00 pm Course Ends
This course can also be provided at your facility for larger groups.

Locations

Portland, OR April 29 – April 30
Salt Lake City, UT May 13 – May 14
Coeur d’Alene, ID June 3 – June 4

Instructor

Mr. Brian Erga.

Brian Erga is considered one of the leading experts on personal protective grounding including all types of distribution and transmission, overhead and underground grounding, substation grounding and mechanical equipment grounding. Mr. Erga has published a number of papers and articles related to personal protective grounding. He has spoken and provided grounding training at over 1,400 locations across the country to thousands of students. Mr. Erga is a 1978 graduate of the University of Washington, School of Electrical Engineering and has been involved in the Electrical Utility Industry for more than 35 Years. He is a senior member of the Institute of Electrical and Electronic Engineers (IEEE) and is very active in the IEEE/ESMO subcommittee, the ASTM F18 Committee and the NESC C-2 Subcommittee 8 “Work Methods.” He is considered an industry expert on OSHA 1910.269, OSHA 1926 Subpart V, and testified on their recent revisions.

We have 3 easy ways to Register!

1. Mail: Complete the attached Registration Form and mail to:
ESCI Inc
PO Box 2822
Bellingham, WA 98227
2. Fax: Complete the attached Registration Form and fax to 360-715-9727
3. Online: Complete the online Registration Form at www.esci.net (Training Courses)

Registration Form: 2008

Understanding Personal Protective Grounding

Attendee Information:

Name _____

Title _____

Organization _____

Address _____

Phone Number: _____ Email: _____

Authorizing Official _____

Course Locations and Dates:

Portland, OR. April 29 – 30
 Hilton Garden Inn
 12048 N.E. Airport Way
 Portland, OR 97220
 503-255-8600
Room Rate: \$125.00 (Book your room as soon as possible, but no later than April 1, 2008, to hold this rate. When booking request the ESCI room block.)

Coeur d’Alene, ID. June 3 – 4
 Hampton Inn
 1500 Riverstone Dr
 Coeur d’Alene, ID 83814
 208-769-7900
Room Rate: \$109.00 (Book your room as soon as possible, but no later than May 1, 2008, to hold this rate. When booking request the ESCI room block.)

Salt Lake City, UT. May 13 – 14
 Hampton Inn
 851 West 1250 South
 Orem, UT 84058
 801-426-8500
Room Rate: \$75.00 (Book your room as soon as possible, but no later than April 15, 2008, to hold this rate. When booking request the ESCI room block.)

Confirmation and Registration

REGISTER NOW! If your schedule changes, you may move to a different seminar or send a substitute at no charge. Cancellations received up to 14 calendar days before the seminar start date are refundable, less the \$50 registration fee. Cancellations received inside 14 calendar days from the seminar start date can be credited to a future seminar.

Registration Fee: \$650.00

(Register 30 days or more prior to the start of the course and take \$50 discount off the cost of the course. Remember to register early and save!)

Payment Method:

1. Enclosed is my check made out payable to: **ESCI Inc.**
2. Bill me. Purchase Order # _____
3. Please charge my credit card the following: (circle one) MasterCard or VISA.

Name as it appears on Card _____

Credit Card Number _____ Exp. Date _____

Amount to be Charged \$ _____

Cardholder Signature _____