



## Maintenance Operator Skills Training – I&C

2 Weeks

### Who Should Attend?

Designed for employees that perform Operations or Maintenance work on Electric Power Generation, Transmission, or Distribution installations.

### Course Description:

This course is excellent for entry level personnel as well as cross-training different disciplines and others with the need to learn the proper technique and safety for using I&C tools. Emphasis is placed on personal Safety as well as process Safety.

Each Presentation Begins with learning objectives that cover the course contents.

The Power Point Presentations are 50% Instructor led and 50% hands on.

After each presentation there is a summary and discussion on the material that was covered with a review Quiz. For each week of training there will be a weekly exam and a final exam at the end of the 2 week Workshop. The students are also required to successfully complete a practical factors check list demonstrating their ability to perform the instruction taught in the class.

The students are encouraged to ask questions regarding the use or safety of any of the tools presented. The Instructors have many years of Power Plant experience that allows them to give practical answers and examples to broaden the students understanding.

The students will learn how to safely and properly use electrical tools, testing and troubleshooting in real-life situations. Each student receives a course text they get to keep for reference.

### Learning Objectives:

- Know where plant indexes are and demonstrate how to find prints.
- Demonstrate use of control screens.
- Perform swapping of drum level transmitters.
- Install tubing supports and hangers.

**Prerequisites:** None.

**TDSTI**

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### Week 1

- Know where plant indexes are and demonstrate how to find prints
- Locate and identify symbols/components on prints and drawings
- Trace flow path of plant P and ID drawing
- Demonstrate pulling up various operating screens
- Demonstrate use of control screens

### Week 2:

- Perform swapping of drum level transmitters
- Demonstrate changing of charts
- Collect CEMS data readings – OJT Per Specific Plant Location
- Bend tubing
- Demonstrate correct installation of tubing fittings
- Flare tubing for flare fittings
- Install tubing supports and hangers

### Tools covered:

- Tubing Bender
- Combination Wrenches

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