



## TRAINING

- Expert Training in the Latest Technologies
- Industry-Demanded Certifications

## PCB TECHNOLOGY

### Quality & Inspection

- IPC-A-610 Instructor & Operator Certification

### Soldering & Assembly

- IPC J-STD-001 Instructor & Operator Certification

### Bare Board Inspection

- IPC-A-600 Instructor & Operator Certification

### Rework & Repair

- IPC-7711 & IPC-7721 Instructor & Operator Certification

### Hand Soldering Skills

- Soldering Basics, Wires & Terminals, Through-Hole and Surface Mount Training

### PCB Fundamentals

- Component Identification
- Electrostatic Discharge

## CABLE & WIRE

## HARNESST TECHNOLOGY

### Quality & Inspection

- IPC-A-620 Instructor & Operator Certification

### Hands-On Labs

- Crimping & Harness Assembly Training

## TECHNICAL SUPPORT

- Manufacturing Start-Up
- Process Evaluation
- Subcontractor Qualification
- Equipment Evaluation
- Lead-Free, ESD, Process and Quality Audits

# J-STD-002/003 SOLDERABILITY TESTING PROGRAM

## J-STD-002 / J-STD-003

### COURSE DESCRIPTION

This lecture course utilizes the J-STD-002, Solderability Tests for Component Leads, Terminations, Lugs, Terminals and Wires and, J-STD-003, Solderability Tests for Printed Boards, specification as the texts for the program. The program discusses the interpretation of the solderability tests and provides information on the types of test methods used to measure solderability of components leads, wires and printed boards. The course also discusses defect definitions, acceptance criteria and provided illustrations for assessing the solderability of the components and printed boards. The program was developed to provide enhancement and supplementary information to increase the knowledge and skills of people who are using these IPC documents for manufacturing and process controls.

The course can be designed with three options;

- J-STD-002 for components and leads, or
- J-STD-003 for PWBs or
- A combination of both for a solderability review of both documents.

### WHO SHOULD ATTEND

This course is designed for anyone who inspects or audits components, wires or boards to make sure they are solderable prior to being released to manufacturing. It is intended for all technical personnel including operators, technicians, engineering and management.

### WHAT YOU WILL LEARN

- How to use the documents
- Understand how to conduct test for various component leads, wires and boards
- Be able to distinguish the differences between the various surfaces to be tested
- Be able to determine the acceptability of the testing results
- Review the application of the wetting balance test
- Know when to conduct steam aging test

The expectations from the students after attending this program is that they will be able to understand the basic concepts of solderability testing, gain knowledge in the use of test methods, and are able to apply them to their application within their operation.

### WHAT STUDENTS RECEIVE

- J-STD-002 and/or J-STD-003

### PREREQUISITES

An understanding of the English language, both oral and written is all that is required to benefit from EPTAC's J-STD-002/003 Solderability Testing Program. ESL Students are encouraged to inquire.

### CLASS SIZE

Maximum number of students is limited to ten (10) in order to provide greater instructor interaction and a complete hands-on experience. Call early to reserve your space.

### COURSE OUTLINE

### WELCOME AND ORIENTATION

- Overview of the J-STD-002/J-STD-003 or the combination thereof
- Scope and Purpose of the document(s)
- Relative Terms and Definitions
- Testing Equipment and Specifications
- Test Methods and Graphing Procedures
- Testing Protocol and Procedures
- Visual Inspection with Accept/Reject Understanding
- Review and Additional Question and Answer Session
- Final Wrap Up

**MATERIALS** For each classroom course, all the necessary tools and materials will be supplied. Students are welcome to bring their own documents if they wish. For eTraining, students are responsible for having the required materials at class time.

**LOCATION** Classes are held at EPTAC's Corporate Training Center located just 35 miles from Boston and at locations throughout the US and Canada.

**eTRAINING** On-line training is available for some courses. Please inquire.

**ON-SITE TRAINING** Please call a training consultant and ask about customized course content, on-site training and training around your production schedules.

**REGISTRATION** For up to date pricing and more information on any of the EPTAC programs, or to enroll, please call us toll free or visit eptac.com.

**Toll Free:** 1-800-64-EPTAC

**Fax:** 603-296-2377

**email:** register@eptac.com

**Web:** eptac.com