



## 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

### PCB Design

- IPC Designer & IPC Advanced Designer Certification

## COUNTERFEIT COMPONENTS

### IDEA-STD-1010

- Seminars & Workshops
- IDEA-STD-1010 Essentials
- SAE AS5553 Counterfeit Electronics

## 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-001 REV E TO F COMPARISON

IPC's J-STD-001 Revision E to Revision F Comparison Workshop

### J-STD-001

## COURSE DESCRIPTION

It's time to upgrade! The most referenced and globally recognized electronics process standard is now changing. J-STD-001, "Requirements for Soldered Electrical and Electronic Assemblies" is now at Revision F and there are things you need to know about this new transition.

With all three classes of product being addressed, in not only soldering materials but also processes, this new revision goes beyond support of traditional alloys and includes the support and use of lead-free materials and manufacturing.

There have been significant changes to plated-through hole (PTH) and minimum fill requirements along with new criteria to address new technology in SMT terminations just to name a few.

Easier to read, interpret and absorb, this revision complements and maintains the integral connection between companion documents like the IPC-A-610, now in Revision F, and IPC-HDBK-001.

We know you're busy and staying on top of all the changes that take place in our industry can be daunting. That's why it's our mission to keep a step ahead. When an IPC standard is revised, EPTAC is there to evaluate, comprehend, coordinate and communicate these changes to our customers. If you need the latest update on J-STD-001 Revision F, give us a call and get all the information you need when you need it.

## WHO SHOULD ATTEND

This course is for experienced assemblers who wish to gain in depth understanding of assembly requirements and soldering practices.

## WHAT STUDENTS RECEIVE

All participants will receive:

- Copy of the Presentation
- Copy (link to) of the Red-Line Document Outlining the Differences

## PREREQUISITES

This program requires the attendee to purchase the J-STD-001 Revision F standard prior to class so that you can easily follow along. Standards can be purchased through our product group by contacting Cheryl Fisher at [cherylfisher@eptac.com](mailto:cherylfisher@eptac.com). Please allow at least two weeks prior to class for shipping.

## CLASS SIZE

For classroom courses, the 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. e-training classes are not limited in size.

## COURSE OUTLINE

### Welcome and Orientation

### Overview of Program

### Review of critical criteria changes in Revision F

### Sampling of New Modifications:

- New SMT Termination Styles
- Updates to Plated-Through Hole Fill Criteria
- New Soldering Criteria for THT and SMT in All Alloys
- Enhanced Conformal Coating Requirements

### Final Wrap Up

### Review and Additional Question and Answer Session



## Welcome to e-Training from EPTAC

Now, in addition to classroom and onsite training, you can enjoy the convenience of online training with live interaction and instruction from EPTAC's Master Instructors. Add convenience and cut expenses by registering online today.

**This class is also offered online as an e-Training course. For more information, visit [eptac.com](http://eptac.com)**

**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](http://eptac.com).

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

**Fax:** 603-296-2377

**email:** [register@eptac.com](mailto:register@eptac.com)

**Web:** [eptac.com](http://eptac.com)