



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

IPC-A-610 REV E TO F COMPARISON

IPC-A-610 Revision E to Revision F Comparison Workshop

IPC-A-610

COURSE DESCRIPTION

It is here! The most widely utilized inspection standard for electronic assemblies is now updated. The IPC-A-610, "Acceptability of Electronic Assemblies" is now at Revision F and there are things you need to know about this new transition.

With over 814 photos and illustrations, Revision F comes packed with an additional 86 new or changed illustrations supporting and emphasizing the new standards industry practices.

Easier to read, interpret and absorb, this revision has been all about clarity in understanding and clarity with new images and illustrations, all without losing the integrity of the documents requirements.

This revision includes two new SMT termination styles, as well as changes in plated-through hole fill and BGA void criteria. Other major topics include flex attachment, board-in-board and part-on-part, new component orientation and soldering criteria for through hole and SMT, along with new cleaning, marking, coating and laminate requirements just to name a few.

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 IPC-A-610 Revision F, give us a call and get all the information you need when you need it.

WHO SHOULD ATTEND

This course is for anyone responsible for the quality and reliability of electronic assemblies. This includes engineers, quality supervisors, inspectors and manufacturing personnel responsible for quality assurance.

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 IPC-A-610 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. 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
- New Criteria for BGA Voids
- Revision to Board-in-Board and Part-on-Part Criteria
- New Criteria for Component Orientation
- New Soldering Criteria for THT and SMT
- Enhanced Cleaning, Marking, Coating and Laminate 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

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.

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