



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

IPC-A-600 CERTIFIED IPC SPECIALIST

IPC-A-600 Operator / Inspector Training & Certification Program

IPC-A-600

COURSE DESCRIPTION

This 3-day, lectured course utilizes the images in the IPC-A-600 document to provide visual accept/reject criteria examples for all three classes of bare board fabrication and inspection. The IPC-A-600, "The Acceptability of Printed Boards", describes the preferred, acceptable, and nonconforming conditions that are either externally or internally observable on printed boards.

The IPC-A-600 specification is the focal point of this course and will be covered in its entirety. As part of the requirements for certification, students must score at least a 70% on each exam.

WHO SHOULD BECOME CERTIFIED

This is an advanced course. Anyone responsible for determining the quality and reliability of printed wiring board products should become certified. This includes quality supervisors, engineers, manufacturing supervisors, and users of printed wiring boards.

WHAT STUDENTS RECEIVE

Everyone who successfully completes the program will receive:

- IPC-A-600
- IPC Certificate of Training

PREREQUISITES

An understanding of electronic products and an understanding of the English language, both oral and written are all that is required to benefit from EPTAC's IPC-A-600 Certified IPC Specialist Program. ESL Students are encouraged to inquire.

CLASS SIZE

Maximum number of students is limited to ten (10) to provide greater instructor interaction. Call early to reserve your space.

COURSE OUTLINE

DAY 1

Introduction

- General Overview
- Terms and Definitions
- Acceptance Criteria

Externally Observable Characteristics

- Board Edges
- Base Material Surface and Subsurface
- Solder Coatings and Fused Tin Lead
- Holes-Plated Through and Unsupported
- Printed Contacts
- Marking
- Solder Resist
- Dimensional Characteristics

DAY 2

Internally Observable Characteristics

- Dielectric Materials
- Conductive Patterns
- Plated Through-Holes (General, Drilled, Punched)

Flex Printed Circuit & Metal Core

- Flexible Printed Circuits
- Rigid - Flex Printed Boards
- Metal Core Printed Boards
- Flush Printed Boards
- Cleanliness Testing
- Solderability Testing
- Electrical Integrity

DAY 3

- Course Summary/Review
- Open Book Examination
- Closed Book Examination
- Instructor/Student Conference
- Wrap-Up

MATERIALS For each class, all the necessary tools and materials will be supplied. Students are welcome to bring their own documents if they wish.

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

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: www.eptac.com