



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 HARNESS 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-6012 CERTIFIED IPC TRAINER

IPC-6012 Instructor Training & Certification Program

IPC-6012

COURSE DESCRIPTION

If you are looking for a comprehensive program that will develop your understanding of design, specifications, fabrication and inspection of printed circuit boards (PCBs), this is the certification for you. The IPC-6012 "Qualification and Performance Specification for Rigid Printed Boards", specification establishes and defines the qualification and performance requirements for the fabrication of rigid printed boards.

This 4-day, lectured course is a comprehensive, instructor-level certification that teaches the requirements for design, fabrication and inspection of rigid printed boards. Based heavily on IPC-6012 with supporting documentation from IPC-A-600, IPC-2221 and IPC-6012 Space. This certification is a great asset for designers, manufacturing and quality engineers, purchasing agents, managers and supervisors, fabricators, board shop auditors and anyone recommending, inspecting, or specifying printed circuit boards.

WHO SHOULD BECOME CERTIFIED

This is an advanced course. Anyone responsible for 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 instructional materials necessary for conducting Certified IPC Specialist Training:

- IPC-6012
- Instructor Guide
- Course visuals on CD-ROM
- 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-6012 Certified IPC Trainer 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 and IPC Training/Certification Policies and Procedures
- Scope/Applicable Documents
- General and Material Requirements
- Visual Requirements

Day 2

- Visual Requirements (continued)
- Dimensional and Conductor Requirements
- Structural Integrity
- Solder Mask, Electrical, Cleanliness, Rework and Repair

Day 3

- Special Requirements
- Quality Assurance Provisions and Notes
- Space & Military Avionics Requirements
- Questions and Review
- Instructor Skills

Day 4

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

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