eptac

TRAIN. WORK SMARTER. SUCCEED.

IPC-A-610 CERTIFIED IPC SPECIALIST WITH OPTIONAL LAB
IPC-A-610 Operator and Inspector Training & Certification Program

IPC-A-610

INCLUDES LEAD AND LEAD-FREE CRITERIA

COURSE DESCRIPTION
This 3-day, lectured course utilizes the images in the IPC-A-610 inspection document to provide visual accept/reject criteria examples for all three classes of assembly production–in both lead and lead-free. The IPC-A-610, "The Acceptability of Electronic Assemblies", is the most widely used inspection specification for post assembly inspection.

Optional Interactive PCB Inspection Lab (additional fee applies)
This is an optional (1) day course intended for any employee who will be inspecting printed circuit assemblies or any employee who wants to improve or reinforce their observation and inspection skills of printed circuit assemblies. This course utilizes lectures, visual acuity exercises, and physical assemblies to provide the students with an experience in visually inspecting printed circuit assemblies.

WHO SHOULD BECOME CERTIFIED
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.

PREREQUISITES
■ Understanding of the Electronics Manufacturing Process
■ Understanding of the English language, oral and written

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

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
   email: register@eptac.com
   Web: eptac.com

COURSE OUTLINE
DAY 1
• Introduction - Establishing and Maintaining Program Integrity
• General, Applicable Documents and Handling
• Soldering and High Voltage
• Open Book Examinations

DAY 2
• Component Damage and Printed Boards & Assemblies
• Terminal Connections
• Through-Hole Technology and Jumper Wires
• Open Book Examinations

DAY 3
• Surface Mount Assemblies and Jumper Wires
• Hardware
• Open Book Examinations
• Instructor/Student Conference

DAY 4 - OPTIONAL INTERACTIVE PCB INSPECTION LAB (additional fee applies)

This optional, 1-day lab utilizes, lectures, visual acuity exercises, and physical assemblies to provide the students with an experience in visually inspecting printed circuit assemblies

Introduction
• Terms and definitions
• Why inspect
• How to inspect

Observation Skills Practice 1

The Needs of Visual Inspection
• Good Visual Acuity
• The ability to detect differences
• Review of Basic Manufacturing Knowledge
• Systematic approach
• Patience, Discipline, Consistency

Inspection Lab 1: Through-Hole Board
• Review results of Lab 1
• Discuss improvements

Observation Skills Practice 2

Inspection Lab 2: Surface Mount Board
• Review results of Lab 2
• Discuss improvements

Observation Skills Practice 3

Inspection Lab 3: Mixed Technology Board
• Review results of Lab 3
• Discuss improvements
• Instructor to grade results

Wrap up
• Certificate of Attendance