eptac
TRAIN. WORK SMARTER. SUCCEED.

800-643-7822
www.eptac.com

IPC
Training Center
■IPC-A-610 ■IPC-A-600 ■J-STD-001
■IPC-7711 ■IPC-7721 ■PC-A-620

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 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

COUNTERFEIT MITIGATION AND INSPECTION
EPTAC's presentation of IDEA's Counterfeit and Substandard Component Mitigation and Inspection Training Program

IDEA-STD-1010: Acceptability of Electronic Components Distributed in the Open Market

COURSE DESCRIPTION
The Course provides a basic introduction to Counterfeit Mitigation as well as an introduction to IDEA-STD-1010, including training in methods for the visual detection of counterfeit and substandard characteristics, through a hands-on workshop. The training environment provides a unique opportunity to examine real components with live, on-site microscopic magnification to obtain experience in the visual inspection techniques of IDEA-STD-1010 and learn how to detect counterfeit components firsthand.

For eligible OEMs, CMs, EMS Providers, or IDEA General Members this curriculum will prepare for the IDEA-ICE-3000 Professional Inspector Certification Exam.

WHO SHOULD ATTEND
This training course is recommended for component engineering, procurement, quality assurance, and inspection personnel

WHAT STUDENTS RECEIVE
All attendees will receive:
- IDEA-STD-1010-B

Everyone who successfully completes the program will receive:
- Copy of the Course Presentation
- EPTAC Certificate of Completion

PREREQUISITES
In order to view examples under magnification, students must supply their own laptop computer with the following minimum system requirements:

Windows 98, XP, Vista, 7 or a Mac OS

512MB Ram

One (1) available USB port

Upon receipt of registration, EPTAC will send a link for attendees to download and install the software on their laptops for the USB microscope. The registrant must download and install the software prior to the day of the course.

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

COURSE OUTLINE
WELCOME AND ORIENTATION

INTRODUCTION TO IDEA-STD-1010

SUPPLIER MANAGEMENT OF INDEPENDENT DISTRIBUTORS
- Independent Distributor Supplier Program
- Independent Distributors in the Supply Chain
- Basics – How Distribution Works
- About the Open Market
- Open Market Inspection
- Counterfeiting Origination

CREATING EXPECTATIONS: QUALITY INDEPENDENT DISTRIBUTORS
- Attributes and Capabilities
- Value-Added Services

THE INSPECTION PROGRAM
- Open Market Inspection
- Equipment and Tools
- Inspector Approach

THE INSPECTION PROCESS
- Overview of counterfeit and substandard characteristics
- Examples of acceptability vs. defect conditions
- Review of key visual inspection skills

HANDS-ON MICROSCOPIC EXAMINATION OF PARTS

PREPARING FOR THE IDEA-ICE-3000 PROFESSIONAL INSPECTOR CERTIFICATION EXAM
- Exam Terms and Conditions
- Overview of content
- Exam resources and references