



## COUNTERFEIT COMPONENTS WORKSHOP



EPTAC's presentation of IDEA's Counterfeit and Substandard Component Mitigation and Inspection Training Program

IDEA-TRN-2000 Inspection for Visual Indicators of Counterfeit Parts

IDEA-STD-1010

### 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 you 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: Acceptability of Electronic Components Distributed in the Open Market
- Copy of the Course Presentation
- EPTAC Certificate of Completion

### PREREQUISITES

In order to view examples under magnification, students must have access to a laptop computer (students can share, 2-3 students per laptop) 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. nonconforming 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

**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.

**Toll Free:** 1-800-64-EPTAC

**Fax:** 603-296-2377

**email:** register@eptac.com

**Web:** eptac.com

### 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