

CONSULTANTS TO THE ELECTRONICS INDUSTRY

- MANUFACTURING START-UP
- PROCESS EVALUATION
- SUBCONTRACTOR QUALIFICATION
- EQUIPMENT EVALUATION
- LEAD-FREE, ESD, PROCESS AND QUALITY AUDITS

THE LEADER IN HI-TECH 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 INSTRUCTOR & OPERATOR CERTIFICATION
IPC-7721 INSTRUCTOR & OPERATOR CERTIFICATION
- **HAND SOLDERING SKILLS**
SOLDERING BASICS, THROUGH-HOLE & SURFACE MOUNT TRAINING



CABLE & WIRE HARNESS TECHNOLOGY

- **QUALITY & INSPECTION**
IPC-A-620 INSTRUCTOR & OPERATOR CERTIFICATION
- **HANDS-ON LABS**
SOLDERING, CRIMPING & HARNESS ASSEMBLY TRAINING



FIBER OPTICS TECHNOLOGY

- **INSTALLER & TECHNICIAN CERTIFICATION**
- **FUNDAMENTALS**
- **TERMINATIONS & CLEANING**

J-STD-001 CERTIFIED IPC TRAINER

IPC's J-STD-001 Instructor Training & Certification Program

J-STD-001



COURSE DESCRIPTION

This is a combination lectured and hands-on course covering the information in the IPC/EIA J-STD-001 document. The J-STD-001, "Requirements for Soldered Electrical & Electronic Assemblies", describes materials, method and acceptance criteria for producing soldered electrical and electronic assemblies. This document has been adopted for use by the Department of Defense (DoD) effective July 19, 2001.

This five day program recognizes qualified instructors and will present knowledge of the J-STD-001 as it pertains to selected sections covering Wire and Terminals, Through-Hole and Surface Mount technology—in both lead and lead-free.

As part of the requirements for certification, students will be evaluated on their soldering skills in both Lead and Lead-free, and must score an 80% and no single score less than 70% on both the written and skills examinations.

WHO SHOULD BECOME CERTIFIED

This is an advanced course. Anyone responsible for quality and reliability of electronic assemblies should become certified—including trainers, quality supervisors, engineers and manufacturing supervisors with assembly responsibilities.

WHAT STUDENTS RECEIVE

Everyone who successfully completes the program will receive instructional materials necessary for conducting Certified IPC Specialist Training:

- The J-STD Documents 001 Through 006
- The J-STD-001 Handbook
- Course Visuals on CD-ROM
- An Instructor Guide with Open and Closed Book Exams for all the IPC Specialist Training Modules
- An IPC Certificate of Training

PREREQUISITES

This knowledge-based course requires the ability to understand and interpret technical information. Prior experience with technical specifications is recommended. As this course does not teach hand soldering skills, the ability to solder through-hole and surface mount components (including fine pitch) is required. Familiarity with the J-STD-001 is beneficial. Instructor candidates should possess presentation and demonstration skills.

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 Course Overview
- Safety in Electronic Assembly
- General Requirements of J-STD-001
- Materials, Components and Equipment Requirements
- General Soldering and Assembly Requirements
- PCB Requirements
- Cleaning Process Requirements
- Progress Check and Review

DAY 2

- Wire and Terminal Assembly and Soldering
- Wire and Terminal Demonstration
- Wire and Terminal Lab Work
- Through-Hole Mounting and Terminations
- Progress Check and Review

DAY 3

- Through-Hole Technology Demonstration
- Through-Hole Technology Lab Work
- Surface Mount Technology Requirements
- Progress Check and Review

DAY 4

- Surface Mount Technology Demonstration
- Surface Mount Technology Lab Work
- Coating and Encapsulation
- Rework and Repair
- Product Assurance
- Progress Check and Review

DAY 5

- Instructor Basics
- Comprehensive Program Review
- Instructor Certification - Open Book Exam
- Instructor Certification - Closed Book Exam
- Roles, Rules and Responsibilities of IPC Certified Instructors

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.

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