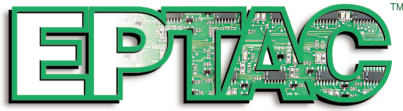




Training Center

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



C O R P O R A T I O N

CORPORATE TRAINING CENTER

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## 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

## IPC-7711/7721 CERTIFIED IPC TRAINER

IPC's Rework, Repair & Modification Instructor Training & Certification Program

### IPC-7711 AND IPC-7721

## COURSE DESCRIPTION

As IPC's most comprehensive hands-on training program, approximately 80% of the course is taught through lab work. IPC-7711/7721 Certified IPC Trainer is the first formal training program specifically designed for component rework and bare board repair.

As part of the certification requirements, students will be expected to demonstrate techniques presented in class and must score an 80% on the final examination.

This five day IPC Certification will have immediate legitimacy throughout the industry, and can greatly assist any quality initiative.

## WHO SHOULD BECOME CERTIFIED

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

## WHAT STUDENTS RECEIVE

Everyone who successfully completes the certification and examination will receive the following materials:

- An Instructor Student Handbook
- IPC-7711 and IPC-7721
- Supplementary Resource Book
- Artwork and Parts List for Workmanship Board
- An Instructor Guide with Open and Closed Book Exams for Operator Training Modules
- A CD of Course Visuals
- Operator Class Forms and Equipment List
- An IPC Certificate of Training

## PREREQUISITES

IPC-7711/7721 Certified IPC Trainer is an advanced hands-on course that requires ample soldering skills. Candidates should have substantial soldering/electronics assembly experience, and should possess adequate soldering ability.

## CLASS SIZE

Maximum number of students is limited to eight (8) to provide greater instructor interaction. Call early to reserve your space.

## COURSE OUTLINE

### DAY 1

- Introduction
- Skills Assessment Lab
- Study of IPC-7711 and IPC-7721
- Common Procedures
- ESD Control Guidance
- Cleaning/Cleanliness of Rework and Repairs
- Wire Splicing (Mesh, Wrap, Hook & Lap)
- Instructor Demonstration and Skills Development Lab
- Through-Hole Rework Procedures
- Instructor Demonstration and Skills Development Lab

### DAY 2

- Chip & MELF Removal/Installation and Localized Cleaning
- Instructor Demonstration and Skills Development Lab
- SOIC and SOT Procedures
- Instructor Demonstration and Skills Development Lab
- BGA Removal/Replacement Discussion
- Equipment Selection

### DAY 3

- J-Lead and QFP Procedures
- Instructor Demonstration and Skills Development Lab
- Conformal Coating Identification, Removal & Replacement

### DAY 4

- PWB Circuit Repair
- Instructor Demonstration and Skills Development Lab
- Laminate Repair
- Instructor Demonstration and Skills Development Lab

### DAY 5

- Additional Lab time
- Comprehensive Review
- Open and Closed Book Exams
- Roles, Rules and Responsibilities of an IPC Instructor

**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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FAX: 603-296-2377

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