

## **IPC-J-STD-001 Requirements for Soldered Electrical and Electronic Assemblies - Training & Certification Programme**

This course is an industry standard program for hand and machine soldering process and material requirements. Some training modules include hands-on training. Lead free criteria is also covered in the program

This training and certification has immediate recognition, legitimacy and value throughout the electronics industry. Thousands of individuals have been trained to be IPC-J-STD-001D Certified Application Specialists. This is a comprehensive and technically accurate program.

**Title:** IPC J-STD-001D (Application Specialist)

**Duration:** 5 Days

### **Course Overview & Schedule:**

Module 1 – General requirements such as safety, tools and electrostatic discharge (ESD).

Module 2 – Wire and terminal assembly requirements and demonstrations.

Module 3 – Through hole technology requirements and demonstrations.

Module 4 – Surface mount technology requirements and demonstrations.

Module 5 – Inspection Methodology, (if all above are completed then Module 5 is not required).

### **Course Objective:**

The objective of the IPC-J-STD-001D Application Specialist course is to give each candidate the knowledge of the IPC J Standard so that they may apply the standard within their company.

The aim of this training course is to provide Application Specialists with the soldering skills that conform to the IPC J-STD and gives IPC Certification. The basic techniques of soldering are explained and demonstrated.

A detailed study of the standard is then made. In addition details on SPC and other relevant factors, such as flux, solder composition, soldering to terminals, through-hole, surface-mount devices and relevant inspection are covered. Acceptance criteria are fully detailed.

**Pre-requisite:** Good knowledge of production processes and experience of soldering are essential.

### **Scope of knowledge to be gained:**

Knowledge of IPC standards for faults and rectification, methods of soldering and quality of finished product. An IPC Certificate will be awarded to candidates who have achieved the required standard (70% on written tests).

### **Program Benefits:**

Those interested in company-wide quality assurance initiatives have an IPC-sponsored program to support their commitment to continuous operations and product improvement. IPC recognition sends a strong message to customers that your company is serious about implementing J-STD-001.

### **Who should become an IPC J-STD-001 Certified IPC Specialist?**

Assembly process engineers, quality assurance supervisors and others responsible for the quality and reliability of soldered electronics assemblies are excellent candidates for the programme.