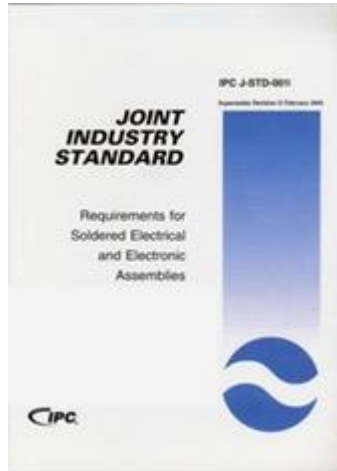




*"Focus on Training for Excellence in Electronics Industry"*

## **K B Soldering Technology Ltd**

**Certified IPC Trainer & Consultant**



### **IPC J-STD-001 Requirements for Soldered Electrical and Electronic Assemblies CIS (Certified IPC Specialist) Training and Certification Program**

**Please Note: Courses Will Be Confirmed On A "First Call" Basis.**

**Note: This Course is Theory and Practical**

**Pre-requisite:**

**Good knowledge of production processes and experience of soldering are essential.**

**Course objective:**

The objective of the IPC J-STD-001 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 soldering skills that conform to IPC J-Standard and gives IPC Certification.

The basic techniques of soldering are explained and demonstrated with the aid of a camera attached to a microscope viewed on an LCD screen.

A detailed study of the standard is then made. In addition details on SPC and other relevant factors, such as Electrostatic Discharge (ESD) care & maintenance of soldering irons, health & safety, good housekeeping, flux, solder composition, soldering to terminals, through-hole, surface-mount devices and relevant inspection are covered.

Acceptance criteria are fully detailed.

## **Certification**

The exam is a multiple-choice format. A score of 70% or above for each module is required for certification.

Everyone who successfully completes the J-STD-001 Application Specialist Training and examination will receive the J-STD-001 Application Specialist Certificate. The certificate is valid for 2 years from the completion dates of the mandatory module(s) regardless of the date any further modules were taken

## **Retesting**

Any individual who fails to pass the J-STD-001 Application Specialist Training and examination criteria shall on request be provided the opportunity to attempt a retest of the modules failed.

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

Knowledge of IPC Standard for faults and rectification, methods of soldering, and quality of finished product.

## **Modules required for certification:**

Module 1 is mandatory, plus at least one other module.

All other modules are optional & can be completed within the 2 year certification period

- Module 1: General requirements, such as safety, tools and electrostatic discharge (ESD).
- Module 2: Wire and terminal assembly requirements, demonstrations + workmanship
- Module 3: Through hole technology requirements, demonstrations + workmanship
- Module 4: Surface mount technology requirements, demonstrations + workmanship
- Module 5: Inspection Methodology

## **Course Duration:**

- 4 Days for all modules

## **Instructor:**

- Keren E Brunton CIT

## **What I Supply:**

- Tools, Microscope with camera & LCD for practical demonstrations
- Hard Copies of the standard are for training only
- Workmanship & Practice Kits for students
- Stationary
- Certificates

## **Facilities Required:**

- Meeting room with a projector or large monitor, with either HDMI or 15-pin VGA connector. If not available I can supply my own equipment
- PC or Laptop for each student with internet/wifi connection
- Soldering Stations for students
- Flipchart