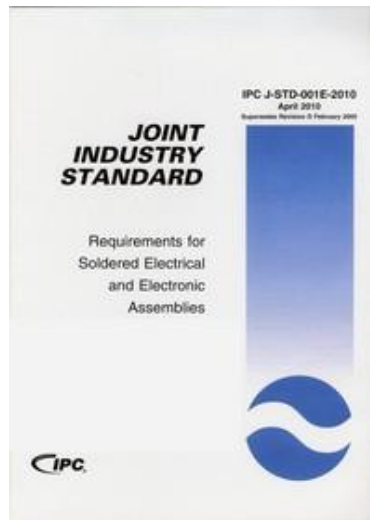*"Focus on Training for Excellence in Electronics Industry"*

K B Soldering Technology Ltd
Certified IPC Trainer & Consultant

IPC J-STD-001E 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.

IPC DVD's are also used during the course.

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

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 Modules 1 regardless of the date any further modules were taken.

Testing will consist of multiple choice examinations. An average of 70% for each module or above is required for certification. Failure to achieve 70% will result in retraining on failed modules.

Retesting

Any individual who fails to achieve 70% will result in retraining on failed modules. The individual shall on request be provided the opportunity to attempt a retest of the modules failed, not sooner than 24hrs or more than 90days after the initial test. An additional fee will be charged for any retests.

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 and at least one other module.**

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

- **If modules 2-4 are required 5 is automatically signed off.**

- **If modules 2, 3, or 4 are required separately Module 5 must be completed.**

- 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: **My own tools including soldering iron, microscope with camera & LCD. Hard Copies of IPC 001E for training only, Workmanship & Practice Kits for students, stationary and certificates**

Facilities Required:

- **Meeting room with: Projector & screen or LCD, both with laptop connections, if not available I can supply my own equipment.**
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- **Flipchart**
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- **Soldering Stations for students**

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