



K B Soldering Technology Certified IPC Trainer & Consultant

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

Note: This course is theory & 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 my 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.

Support materials:

Everyone who successfully completes the J-STD-001 Application Specialist Training and examination will be supplied with one-detailed J-STD-001 hard copy.

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.
- 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.

Individual Module Details:

- 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

Instructor: Keren E Brunton CIT

What I Supply: My own tools including soldering iron, microscope with camera & LCD. Hard Copies of IPC 001E, 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.
- Flipchart
- Soldering Stations for students