STEM Training
STANDARDS TRAINING IN ELECTRONICS MANUFACTURE

IPC Certified IPC-A-610 Application Specialist

Training Overview

IPC-A-610 (Rev J)

Acceptability of Electronic Assemblies

IPC-A-610 Overview
IPC-610 is the most widely used specification published for the electronics manufacturing industry. The standard contains many full colour illustrations & provides comprehensive accept/reject criteria for the inspection of electronic assemblies.
The standard is intended for electronic manufacturers of consumer, commercial or military products.
IPC-610, replaces certification to MIL-STD-2000, & will help satisfy your training requirements of ISO-9001-2000 (section 6.2.2).

Training objective
To qualify & certify candidates as IPC-610 Certified IPC Specialists (CIS).
Upon satisfactory completion of the course, candidates will be capable of making correct "accept/reject" decisions, using the acceptability requirements within the standard.

The Program
The training program is purely theoretical, & does not include hands-on soldering, unless requested as part of the training package.
The training is carried out by a Certified IPC Trainer (CIT), with the aid of IPC standards, PowerPoint slides, flipcharts & electronic assembly examples.

Who should become an IPC-610 Certified IPC Specialist?
Production assembly operators, technicians, engineers, test staff, quality inspectors and others responsible for the quality and reliability of soldered electronic assemblies, are all excellent candidates for the program.

Program pre-requisites
Candidates should ideally have a little knowledge of electronic assemblies, but this is not essential.

Certification
In order to attain IPC-610 certification, candidates must pass the simple online, open book, multiple-choice tests' that are set out for each module.
The certificate is valid for 2 years, following completion of module 1, after which, the candidate will have the option to re-certify.
Candidates can sit a re-certification course up to 6 months prior to the certificate expiring (without losing any time on the certification term).

Mandatory training modules (a pre-requisite to any other module)

- Module 1: Introduction, Policies and Procedures,
  General Requirements, Documents & Handling

Optional training modules (select any that suit your business requirements)

- Module 2: Soldering & High Voltage
- Module 3: Component Damage & PCBs
- Module 4: Terminal Connections *(also requires module 2)*
- Module 5: Through-Hole Technology *(also requires module 2 & 3)*
- Module 6: Surface Mount Assemblies *(also requires module 2 & 3)*
- Module 7: Hardware

Program Duration
If all modules are selected, then the course will span a maximum of 3 days. The length of individual modules are available upon request.

What do you need to provide?
A training, meeting or conference room, (or any uninterrupted area).

What do 'STEM Training' provide?
IPC Standards (for training only), handouts, examples, laptop, tablets for online tests (one per candidate), projector & screen.