



## **K B Soldering Technology Certified IPC Trainer & Consultant**

### **IPC-A-610E Acceptability of Electronic Assemblies CIS (Certified IPC Specialist) Training & Certification Programme.**

**Note: This Course is Theory Only**

#### **Pre-requisite:**

The student must have experience in production of electronic assemblies.

#### **Course objective:**

The objective of the IPC A-610 Application Specialist training course is to give each candidate the knowledge of the IPC 610 Acceptability of Electronic Assemblies, so that they may apply the standard within their company.

IPC-A-610 Acceptability of Electronic Assemblies is the most widely used standard published by IPC. It has an international reputation as the source for end product acceptance criteria for consumer and high reliability printed wiring assemblies.

An industry developed and approved program that includes training, certification and instructional materials based on the IPC-A-610. This certification will demonstrate your commitment to customer requirements and greatly assists any company dedicated to ISO-9000 or other quality assurance initiatives.

This training and certification has immediate recognition, legitimacy and value throughout the electronics industry. Thousands of individuals have been trained to be IPC-A-610 Certified IPC Specialists (CIS). This is a comprehensive and technically accurate program.

#### **Certification**

This programme is designed to provide certification for CIS (Certified IPC Specialist) A 3 day sequence of lectures, DVD's and examinations will present the technical material in IPC-A-610.

Testing will consist of multiple choice examinations. An average of 70% for each module or above is required for certification.

Everyone who successfully completes the IPC A-610 Application Specialist Training and examination will receive the IPC A-610 Application Specialist Certificate.

This certificate is valid for 2 years from the completion dates of Modules 1 & 2 regardless of the date any further modules were taken.

#### **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 IPC-A-610 Application Specialist Training and examination will be supplied with one-detailed IPC-A-610 hard copy

**Scope of knowledge to be gained:**

Knowledge of IPC Standards and quality of the finished product.

**Modules required for certification:**

**Modules 1 and 2, are mandatory and at least one other**

- Module 1 Introduction/IPC Professional Policies and Procedures
- Module 2 Foreword, Applicable Documents & Handling
- Module 3 Hardware Installation
- Module 4 Soldering (including High Voltage)
- Module 5 (Requires Modules 4) Terminal Connections
- Module 6 (Requires Modules 4 & 8) Through Hole Technology (Including TH Jumper Wires)
- Module 7 (Requires Modules 4 & 8) Surface Mount Assemblies (including Jumper Wires)
- Module 8 Component Damage and Printed Circuit Boards and Assemblies
- Module 9 Solderless Wire Wrap

**Course Duration:** 3 Days

**Instructor:** Keren E Brunton CIT

**What I Supply:** Hard Copies of 610E, 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**