

## Training & Certification to IPC-A-610 now to Revision E

### Targetting Excellence in Electronics Assembly

The IPC-A-610 “Acceptability of Electronic Assemblies” is the most widely used standard published by the IPC with an international reputation as the source for end product acceptance criteria for consumer and high reliability electronic assemblies. This is an industry developed and approved program that includes training, certification and instructional materials based on the IPC-A-610 and will be conducted by the SMCBA IPC Training Center.

Certification will demonstrate your commitment to customer requirements and greatly assists any company dedicated to ISO-9000 or other quality assurance initiatives. The IPC training and certification has immediate recognition, legitimacy and value with thousands worldwide having been trained and certified as IPC-A-610 Certified IPC Trainers.

A comprehensive and technical program, the IPC-A-610 Training and Certification provides trainers with high quality materials and detailed instructional plans for training IPC Application Specialists from assembly operators, quality, inspection, buyers, sales personnel and management.

**How the program works:** The program has two tiers of instruction. Certified IPC Trainer (CIT) candidates receive intensive training on the IPC-A-610 from an IPC Training Centre. Candidates are certified after completing the course and passing the certification examinations. Certified IPC Trainers are provided with instructional materials for training Certified IPC Application Specialists (CIS) in a modular program. Certification is for two years and CITs must then recertify through an IPC Training Center.

#### **IPC-A-610 Certified IPC Trainer Course Topics:**

- Establishing and maintaining integrity of the certification program
- Purpose and application of IPC-A-610
- Hardware installation
- Soldering criteria, including lead free connections
- Soldered requirements for connecting to terminals
- Soldered connection requirements for plated-through holes
- Surface mounting criteria for chip components, leadless and leaded chip carriers
- Swaged hardware, and heatsink requirements of mechanical assemblies
- Component mounting criteria for DIPs, socket pins, and card edge connectors
- Jumper wire assembly requirements
- Solder fillet dimensional criteria for all major SMT component groups
- Soldering anomalies such as tombstoning, dewetting, voiding, etc
- Criteria for component damage, laminate conditions, cleaning and coating
- Steps to effectively using the lesson plan and materials, tips on inspection and a review of important Certified IPC Trainer skills

## **Who Should Become an IPC-A-610 Certified IPC Trainer ?**

Anyone responsible for the quality and reliability of electronic assemblies should consider becoming an instructor. Trainers and quality supervisors experienced in electronic assembly are excellent candidates for A-610 training as are engineering and manufacturing supervisors with assembly responsibilities.

Certified IPC-A-610 Trainers receive materials for conducting modular training for Certified IPC Application Specialist (CIS). The modular approach lets users control cost by tailoring training to the specific needs of their workforce. The materials provided in the CIT kit are:

- A CD-ROM with full color teaching visuals illustrating every aspect of the IPC-A-610 document and training information, and all reports and forms required for conducting Application Specialist training
- An Instructor Guide, providing complete instructions for conducting the Application Specialist training and testing
- IPC-A-610E *Acceptability of Electronic Assemblies* and IPC-T-50 *Terms and Definitions for Interconnecting and Packaging Electronic Circuits*
- Open and closed book IPC Application Specialist Written Examination booklets

Additional Application Specialist training and certification materials can be purchased from IPC or Approved Training Centers only by an IPC-A-610 Certified IPC Trainer.

Trainers may teach the course at any location and set a training fee if applicable.

The certification term for an IPC-A-610 Certified IPC Trainer (CIT) is two years.

CIT re-certification is available only through an IPC-A-610 Authorised Training Center.

### **FEES:**

The fee for the IPC-A-610 CIT course includes all materials for the course, lunches and refreshments each day and (after successful completion of the course) the IPC-A-610 CIT Kit.

*CIT Course Fee:* AUD\$2,750      SMCBA Members Discount: \$250

Certified IPC Application Specialist (CIS) Course Fee: AU\$950 SMCBA Members Discount: \$150

***NEXT CIT COURSE in Melbourne: October 10 to 12, 2011***

**Next CIS Course: October 10 to 12, 2011**

### **COURSE LOCATION:**

**SMCBA Office at 87A Chadstone Road, Malvern East Victoria 3145**

**All enquiries to Andrew Pollock on 61 3 9568 0599 or email [pollocka@smcba.asn.au](mailto:pollocka@smcba.asn.au)**

**IPC-A-610 TRAINING AND CERTIFICATION FOR CERTIFIED IPC-A-610 TRAINER  
REGISTRATION FORM:**

Name: \_\_\_\_\_  
Position: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_ Postcode: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

***Fax Registrations to  
the SMCBA:***  
***Fax No: 03 9568 0622***  
Int'l: 61 3 9568 0622  
All enquiries to  
Andrew Pollock on  
Phone 61 3 9568 0599

**Please accept my registration for the IPC-A-610 Certified IPC Trainer Training & Certification:**

\_\_\_\_\_ **October 10 to 12, 2011**

**Fee exc gst: AUD\$2,750 Non Members \$2,500 for SMCBA members**  
Fee includes 4 days tuition, all course materials, lunches and refreshments each day and  
(after successful completion of the course) the IPC-A-610 CIT (Registered Instructors) Kit.

Fee Payable: \$ \_\_\_\_\_ (SMCBA ABN: 61 228 055 453)

Fax your registration to (03) 9568 0622 then return with your payment to the  
SMCBA, PO Box 3140, Murrumbeena VIC 3163

*Banking details for funds transfer:*

*Bank: National Australia Bank*  
*Address: 271 Collins Street, Melbourne VIC 3000*  
*BSB Number: 083-004*  
*Account Name: The Surface Mount & Circuit Board Ass Inc*  
*Account Number: 50635-3532*

**NB: Your place on the course will be confirmed upon receipt of payment.  
Please send payment advice to fax 61 3 9568 0622.**

**IPC-A-610 TRAINING AND CERTIFICATION FOR **CERTIFIED IPC SPECIALIST**  
REGISTRATION FORM:**

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_ Postcode: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

***Fax Registrations to  
the SMCBA:***

***Fax No: 03 9568 0622***

Int'l: 61 3 9568 0622

All enquiries to  
Andrew Pollock on  
Phone 61 3 9568 0599

**Please accept my registration for the IPC-A-610 Certified IPC Specialist Training:**

\_\_\_\_\_ **October 10 to 12, 2011**

**Fee exc gst: AUD\$950 Non Members \$800 for SMCBA members**  
Fee includes 3 days tuition, all course materials, lunches and refreshments each day.

Fee Payable: \$ \_\_\_\_\_ (SMCBA ABN: 61 228 055 453)

Fax your registration to (03) 9568 0622 then return with your payment to the  
SMCBA, PO Box 3140, Murrumbeena VIC 3163

*Banking details for funds transfer:*

*Bank: National Australia Bank*

*Address: 383 Centre Road, Bentleigh VIC 3164*

*BSB Number: 083-004*

*Account Name: The Surface Mount & Circuit Board Ass Inc*

*Account Number: 50635-3532*

**NB: Your place on the course will be confirmed upon receipt of payment.  
Please send payment advice to fax 61 3 9568 0622.**