

*Build quality and enhance communication with  
this comprehensive program ....*

# IPC-A-600 CIT

## Acceptability of Printed Boards Training and Certification Program

IPC-A-600 is a standard for PCB workmanship quality with its comprehensive acceptance criteria for target, acceptable and nonconforming conditions on bare printed boards. PCB manufacturers and assemblers alike rely on this internationally recognized document to improve their understanding of printed board quality issues as well as help enhance communication with their suppliers and customers. This makes IPC-A-600 one of the most widely used standards ever published by IPC, and a natural choice for certification.

**Intelific Innovation Center (IIC)** was asked by some electronic manufacturers who are interested in this program to be a program coordinator to invite the other electronic and printed circuit board manufacturers who have the same interest to join this program. If you are interested in the program, ***please contact IIC representative, Miss Benjawan, at call No. 081-9477565***

After we reached the minimum required candidates (10 person), we will invite IPC-A-600 Master instructor from Australia or USA who works in IPC Official Training Center to conduct class in Thailand. The cost will be shared by participated companies in the proportion to the number of candidates.

IIC will charge no margin for this program, except administration fees recurred to make this program happen.

■ **Certified IPC Trainer (CIT)** training provides expanded information and materials to prepare individuals to deliver Certified IPC Application Specialist (CIS) training. Trainers and quality supervisors are excellent candidates for instructor training, as are engineering and manufacturing supervisors. Course fee covers: classroom training and an exam, certification and comprehensive materials for preparing and delivering CIS training. (from www.ipc.org)



## **Why earn IPC-A-600 certification?**

Certification in this industry-developed and approved IPC program helps build your employees' understanding of critical quality assurance/visual acceptance criteria for unpopulated printed circuit boards. In addition, it shows your customers that your company is committed to continuous improvement of its operations and product quality. Both the CIT and CIS programs provide individuals with a portable credential that represents their understanding of IPC-A-600. (from www.ipc.org)

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### Training Modules (from [www.ipc.org](http://www.ipc.org))

CIT training prepares the instructor to teach all of the CIS modules. However, in CIS training only Module 1 is a required element. Other modules may be covered based on your company's specific needs.

- Printed board product classifications and acceptance criteria
- Base material surface and subsurface conditions, such as measling/crazing
- Solder resist coverage over conductors and registration to lands
- Conductor width and spacing and annular ring requirements
- Dielectric material criteria for etchback, voids and resin recession
- Plated-through hole requirements for copper plating thickness, voids, nodules and cracks
- Acceptance criteria for flexible, rigid-flex and metal core printed boards

### IPC-A-600 Certified IPC Trainer (CIT)

Session	Title	Duration
1	Module 1 - Introductions/Overview	1.5 hour
2	Module 2 - External Observable Characteristics	5.0 hours
3	Module 3 - Internal Observable Characteristics	4.0 hours
4	Module 4 - Miscellaneous	2.0 hours
5	Comprehensive Review	1.0 hour
6	Testing	2.5 hours
7	Administration of the CIS IPC-A-600G Program	1.0 hour
	<b>Total</b>	<b>17 hours</b>

