



# eptac

TRAIN. WORK SMARTER. SUCCEED.

## 2012 Training & Certification Schedule

Canada

Toronto | Montreal | Ottawa | Halifax

800-643-7822

www.eptac.com



### TRAINING

- Expert Training in the Latest Technologies
- Industry-Demanded Certifications

### PCB TECHNOLOGY

#### Quality & Inspection

- IPC-A-610 Instructor & Operator Certification

#### Soldering & Assembly

- IPC J-STD-001 Instructor & Operator Certification

#### Bare Board Inspection

- IPC-A-600 Instructor & Operator Certification

#### Rework & Repair

- IPC-7711 & IPC-7721 Instructor & Operator Certification

#### Hand Soldering Skills

- Soldering Basics, Wires & Terminals, Through-Hole and Surface Mount Training

#### PCB Fundamentals

- Component Identification
- Electrostatic Discharge

### CABLE & WIRE

### HARNESS TECHNOLOGY

#### Quality & Inspection

- IPC-A-620 Instructor & Operator Certification

#### Hands-On Labs

- Crimping & Harness Assembly Training

### TECHNICAL SUPPORT

- Manufacturing Start-Up
- Process Evaluation
- Subcontractor Qualification
- Equipment Evaluation
- Lead-Free, ESD, Process and Quality Audits

### IPC-A-610 Certified IPC Trainer

Become certified to train your workforce to identify accept/reject criteria for all three classes of assembly production.

Jan 16 - 19	.....	Ottawa, ON
Jan 23 - 26	.....	Toronto, ON
Mar 26 - 29	.....	Montreal, PQ
Apr 16 - 19	.....	Toronto, ON
Apr 23 - 26	.....	Ottawa, ON
Jun 25 - 28	.....	Montreal, PQ
Oct 1 - 4	.....	Ottawa, ON
Jul 23 - 26	.....	Toronto, ON
Sep 24 - 27	.....	Montreal, PQ
Oct 1 - 4	.....	Ottawa, ON
Oct 9 - 12	.....	Toronto, ON
Nov 12 - 15	.....	Halifax, NS
Dec 10 - 13	.....	Montreal, PQ

#### Recertifications (Req. 24 mos.)

Jan 19 - 20	.....	Montreal, PQ
Feb 9 - 10	.....	Ottawa, ON
Mar 1 - 2	.....	Toronto, ON
Apr 5 - 6	.....	Montreal, PQ
May 17 - 18	.....	Toronto, ON
May 31 - Jun 1	.....	Ottawa, ON
Jul 19 - 20	.....	Montreal, PQ
Aug 23 - 24	.....	Ottawa, ON
Aug 30 - 31	.....	Toronto, ON
Oct 25 - 26	.....	Montreal, PQ
Nov 21 - 22	.....	Ottawa, ON
Nov 28 - 29	.....	Toronto, ON

### IPC-A-610 Certified IPC Specialist

Learn the accept/reject criteria for all three classes of assembly production as published in the most widely used inspection specification, IPC-A-610.

Jan 16 - 19	.....	Ottawa, ON
Jan 23 - 26	.....	Toronto, ON
Mar 26 - 29	.....	Montreal, PQ
Apr 16 - 19	.....	Toronto, ON
Apr 23 - 26	.....	Ottawa, ON
Jun 25 - 28	.....	Montreal, PQ
Jul 9 - 12	.....	Ottawa, ON
Jul 23 - 26	.....	Toronto, ON
Sep 24 - 27	.....	Montreal, PQ
Oct 1 - 4	.....	Ottawa, ON
Oct 9 - 12	.....	Toronto, ON
Nov 12 - 15	.....	Halifax, NS
Dec 10 - 13	.....	Montreal, PQ

#### Recertifications (Req. 24 mos.)

Jan 16 - 19	.....	Ottawa, ON
Jan 23 - 26	.....	Toronto, ON
Mar 26 - 29	.....	Montreal, PQ
Apr 16 - 19	.....	Toronto, ON
Apr 23 - 26	.....	Ottawa, ON
un 25 - 28	.....	Montreal, PQ
Jul 9 - 12	.....	Ottawa, ON
Jul 23 - 26	.....	Toronto, ON
Sep 24 - 27	.....	Montreal, PQ
Oct 1 - 4	.....	Ottawa, ON
Oct 9 - 12	.....	Toronto, ON
Nov 12 - 15	.....	Halifax, NS
Dec 10 - 13	.....	Montreal, PQ

### Interactive PCB Inspection Lab

(optional) Hands-on inspection of real PCB assemblies and application of accept/reject criteria.

Jan 20	.....	Ottawa, ON
Jan 27	.....	Toronto, ON
Mar 30	.....	Montreal, PQ
Apr 20	.....	Toronto, ON
Apr 27	.....	Ottawa, ON
Jun 29	.....	Montreal, PQ
Jul 13	.....	Ottawa, ON
Jul 27	.....	Toronto, ON
Sep 28	.....	Montreal, PQ
Oct 5	.....	Ottawa, ON
Dec 14	.....	Montreal, PQ

### J-STD-001 Certified IPC Trainer

Acquire the skills, instructional materials and industry certification to deliver IPC's J-STD-001 Operator Training program.

Feb 6 - 10	.....	Halifax, NS
Feb 13 - 17	.....	Montreal, PQ
Feb 20 - 24	.....	Ottawa, ON
Mar 12 - 16	.....	Toronto, ON
Apr 30 - May 4	.....	Ottawa, ON
May 7 - 11	.....	Montreal, PQ
Jun 25 - 29	.....	Toronto, ON
Aug 13 - 17	.....	Ottawa, ON
Aug 27 - 31	.....	Montreal, PQ
Sep 17 - 21	.....	Toronto, ON
Nov 12 - 16	.....	Montreal, PQ
Nov 26 - 30	.....	Ottawa, ON
Dec 17 - 21	.....	Toronto, ON

#### Recertifications (Req. 24 mos.)

Jan 17 - 18	.....	Montreal, PQ
Feb 7 - 8	.....	Ottawa, ON
Feb 28 - 29	.....	Toronto, ON
Apr 3 - 4	.....	Montreal, PQ
May 15 - 16	.....	Toronto, ON
May 29 - 30	.....	Ottawa, ON
Jul 17 - 18	.....	Montreal, PQ
Aug 21 - 22	.....	Ottawa, ON
Aug 28 - 29	.....	Toronto, ON
Oct 23 - 24	.....	Montreal, PQ
Nov 19 - 20	.....	Ottawa, ON
Nov 26 - 27	.....	Toronto, ON

### IPC-A-600 Certified IPC Trainer

Become an expert in the quality standards of printed circuit boards and be certified for inspection and instruction.

Feb 1 - 3	.....	Toronto, ON
Sep 5 - 7	.....	Montreal, PQ
Oct 31 - Nov 2	.....	Ottawa, ON
Dec 3 - 5	.....	Toronto, ON

#### Recertifications (Req. 24 mos.)

Feb 1 - 3	.....	Toronto, ON
Sep 5 - 7	.....	Montreal, PQ
Oct 31 - Nov 2	.....	Ottawa, ON
Dec 3 - 5	.....	Toronto, ON

### IPC-A-600 Certified IPC Specialist

Learn quality standards of PCBs and be certified for inspection of bare boards.

Feb 1 - 3	.....	Toronto, ON
Sep 5 - 7	.....	Montreal, PQ
Oct 31 - Nov 2	.....	Ottawa, ON
Dec 3 - 5	.....	Toronto, ON

#### Recertifications (Req. 24 mos.)

Feb 1 - 3	.....	Toronto, ON
Sep 5 - 7	.....	Montreal, PQ
Oct 31 - Nov 2	.....	Ottawa, ON
Dec 3 - 5	.....	Toronto, ON

### IPC-A-620 Certified IPC Trainer

Become an expert in quality standards of Wire, Cable and Harness, and be certified for inspection and instruction.

Jan 30 - Feb 2	.....	Montreal, PQ
Feb 20 - 23	.....	Toronto, ON
Mar 6 - 9	.....	Ottawa, ON
Apr 10 - 13	.....	Montreal, PQ
May 1 - 4	.....	Toronto, ON
May 14 - 17	.....	Halifax, NS
Jun 4 - 7	.....	Ottawa, ON
Jul 30 - Aug 2	.....	Montreal, PQ
Aug 13 - 16	.....	Toronto, ON
Sep 10 - 13	.....	Ottawa, ON
Oct 29 - Nov 1	.....	Montreal, PQ
Nov 5 - 8	.....	Toronto, ON
Dec 3 - 6	.....	Ottawa, ON

#### Recertifications (Req. 24 mos.)

Mar 5 - 7	.....	Toronto, ON
Jun 11 - 13	.....	Toronto, ON
Sep 10 - 12	.....	Toronto, ON
Nov 7 - 9	.....	Halifax, NS
Dec 10 - 12	.....	Toronto, ON

### IPC-A-620 Certified IPC Specialist

Learn assembly requirements and accept/reject criteria for all three classes of cable and wire harness assembly.

Jan 30 - Feb 2	.....	Montreal, PQ
Feb 20 - 23	.....	Toronto, ON
Mar 6 - 9	.....	Ottawa, ON
Apr 10 - 13	.....	Montreal, PQ
May 1 - 4	.....	Toronto, ON
May 14 - 17	.....	Halifax, NS
Jun 4 - 7	.....	Ottawa, ON
Jul 30 - Aug 2	.....	Montreal, PQ
Aug 13 - 16	.....	Toronto, ON
Sep 10 - 13	.....	Ottawa, ON
Oct 29 - Nov 1	.....	Montreal, PQ
Nov 5 - 8	.....	Toronto, ON
Dec 3 - 6	.....	Ottawa, ON

#### Recertifications (Req. 24 mos.)

Jan 30 - Feb 2	.....	Montreal, PQ
Feb 20 - 23	.....	Toronto, ON
Mar 6 - 9	.....	Ottawa, ON
Apr 10 - 13	.....	Montreal, PQ
May 1 - 4	.....	Toronto, ON
May 14 - 17	.....	Halifax, NS
Jun 4 - 7	.....	Ottawa, ON
Jul 30 - Aug 2	.....	Montreal, PQ
Aug 13 - 16	.....	Toronto, ON
Sep 10 - 13	.....	Ottawa, ON
Oct 29 - Nov 1	.....	Montreal, PQ
Nov 5 - 8	.....	Toronto, ON
Dec 3 - 6	.....	Ottawa, ON

### IPC-A-620 Hands On Labs (optional)

Additional day of hands-on labs in which students perform necessary procedures for building an entire wire harness assembly

Feb 3	.....	Montreal, PQ
Feb 24	.....	Toronto, ON
May 18	.....	Halifax, NS
Jun 8	.....	Ottawa, ON
Aug 3	.....	Montreal, PQ
Aug 17	.....	Toronto, ON
Sep 14	.....	Ottawa, ON
Nov 2	.....	Montreal, PQ
Nov 9	.....	Toronto, ON
Dec 7	.....	Ottawa, ON

### IPC-7711/7721 Certified IPC Trainer

Become qualified to instruct operators in the required knowledge and skills for component rework and bare board repair.

Jan 9 - 13	.....	Montreal, PQ
Jan 23 - 27	.....	Ottawa, ON
Feb 6 - 10	.....	Toronto, ON
Apr 2 - 6	.....	Ottawa, ON
Apr 23 - 27	.....	Toronto, ON
May 28 - Jun 1	.....	Montreal, PQ
Jul 16 - 20	.....	Toronto, ON
Jul 23 - 27	.....	Ottawa, ON
Oct 1 - 5	.....	Montreal, PQ
Oct 15 - 19	.....	Toronto, ON
Oct 22 - 26	.....	Ottawa, ON

#### Recertifications (Req. 24 mos.)

Mar 8 - 9	.....	Toronto, ON
May 24 - 25	.....	Montreal, PQ
Jun 14 - 15	.....	Toronto, ON
Sep 6 - 7	.....	Toronto, ON
Dec 6 - 7	.....	Toronto, ON

### IPC-7711/7721 Certified IPC Specialist

Learn general requirements and practice damage-free removal and replacement techniques for wires and terminals, through-hole components and surface mount components. Develop advanced skills for repairing PWBs, including conductor/land repair, lifted conductor/land/pad repair and bare material.

Jan 9 - 13	.....	Montreal, PQ
Jan 23 - 27	.....	Ottawa, ON
Feb 6 - 10	.....	Toronto, ON
Apr 2 - 6	.....	Ottawa, ON
Apr 23 - 27	.....	Toronto, ON
May 28 - Jun 1	.....	Montreal, PQ
Jul 16 - 20	.....	Toronto, ON
Jul 23 - 27	.....	Ottawa, ON
Oct 1 - 5	.....	Montreal, PQ
Oct 15 - 19	.....	Toronto, ON
Oct 22 - 26	.....	Ottawa, ON

#### Recertifications (Req. 24 mos.)

Mar 8 - 9	.....	Toronto, ON
May 24 - 25	.....	Montreal, PQ
Jun 14 - 15	.....	Toronto, ON
Sep 6 - 7	.....	Toronto, ON
Dec 6 - 7	.....	Toronto, ON

### Hand Soldering Certification

Introduces the basics of soldering, terms & definitions and equipment familiarization. Wires and Terminals, and Through-Hole Soldering and Rework is taught through hands-on construction and inspection of two Through-Hole boards with 100 inspection points. Students learn the accept/reject criteria for Surface Mount Assembly and Rework first hand through the construction, inspection and rework of a surface mount board with over sixty components. Lead and Lead-free included.

Jan 9 - 13	.....	Toronto, ON
Jan 30 - Feb 3	.....	Ottawa, ON
Feb 27 - Mar 2	.....	Montreal, PQ
Mar 12 - 16	.....	Ottawa, ON
Apr 2 - 6	.....	Toronto, ON
Jun 18 - 22	.....	Ottawa, ON
Jul 9 - 13	.....	Montreal, PQ
Aug 20 - 24	.....	Toronto, ON
Sep 17 - 21	.....	Ottawa, ON
Oct 15 - 19	.....	Montreal, PQ
Nov 19 - 23	.....	Toronto, ON

#### Recertifications (Req. 12 mos.)

Aug 27	.....	Toronto, ON
--------	-------	-------------