

# IPC-A-600 ACCEPTABILITY OF PRINTED BOARDS TRAINING & CERTIFICATION

Wednesday, February 7 – Friday, February 9, 2018	NTS Anaheim
Monday, February 12 – Wednesday, February 14, 2018	NTS Baltimore
Wednesday, May 9 – Friday, May 11, 2018	NTS Anaheim
Monday, June 11 – Wednesday, June 13, 2018	NTS Baltimore
Wednesday, August 8 – Friday, August 10, 2018	NTS Anaheim
Monday, October 8 – Wednesday, October 10, 2018	NTS Baltimore
Wednesday, November 7 – Friday, November 9, 2018	NTS Anaheim

**THE MUST HAVE TRAINING FOR UNDERSTANDING THE ACCEPTANCE CRITERIA  
ASSOCIATED WITH PRINTED CIRCUIT BOARDS (PCB)!**

***Registration closes two (2) weeks ahead of each class!***

Training can also be performed at your location or at an NTS facility in your area!

If interested, please contact [ipctraining@nts.com](mailto:ipctraining@nts.com).

## WHO IS THIS COURSE FOR?

This course is a must for printed circuit board manufacturers, printed circuit board assembly facilities, OEM's, or anyone involved with any sector of the electronics industry, to better understand the quality issues that govern printed circuit board construction and manufacturing.

## COURSE DETAILS

### Registration Fees

\$1,595 per student for CIT training

\$1,095 per student for CIS training

### Locations

NTS Anaheim, 1435 Allec Street, Anaheim, CA 92805  
(714) 999-1616

NTS Baltimore, 5 North Park Drive, Hunt Valley, MD 21030  
(410) 584-9099

## CONTACT INFORMATION

**To reserve your seat please contact:**

**William Graver**  
(410) 229-4372

[william.graver@nts.com](mailto:william.graver@nts.com)

**Russell Shepherd**  
(714) 999-1616

[russell.shepherd@nts.com](mailto:russell.shepherd@nts.com)

Or you can contact [ipctraining@nts.com](mailto:ipctraining@nts.com) or visit NTS's Events page at <https://www.nts.com/resourcecenter/events>

## WHAT'S INCLUDED

- Hard copy of IPC-A-600
- CD copy of IPC-A-600 (CIT only)
- IPC Certificate
- Snacks, refreshments, and lunch each day

**OVERVIEW**

This is a three-day course with the curriculum broken down as follows, depending on the level chosen:

<i>Certified IPC Trainer (CIT)</i>		
DAY 1	DAY 2	DAY 3
S-1 Policies & Procedures	S-6 Solder Mask (con't)	S-9 Flex & Rigid Flex
S-2 Introduction	S-7 Dielectric Materials & Patterns	S-10 Metal Core, Flush Printing, Cleanliness, Solderability, & Electrical Integrity
S-3 Edges, Base Material, Subsurface	S-8 Plated Thru Holes	S-11 Instructor Basics
S-4 Solder Coatings & Holes		Exam
S-5 Printed Contacts & Marking		
S-6 Solder Mask		

<i>Certified IPC Application Specialist (CIS)</i>		
DAY 1	DAY 2	DAY 3
Module 1 Policies & Procedures	Module 4 Internal Characteristics	Module 5 Miscellaneous
Module 2 Introduction	Module 4 Exam	Module 5 Exam
Module 1&2 Exam		
Module 3 External Characteristics		
Module 3 Exam		

**ABOUT THE INSTRUCTOR(S)**



***William Graver***

Mr. William Graver has over 30 years of experience in the PCB and PCA manufacturing industry. Currently, Mr. Graver is a Senior Analyst at NTS's facility in Hunt Valley, MD (NTS-Baltimore).

His main areas of focus are PCB/PCA Failure Analysis and IPC training, for which Mr. Graver holds the following certifications:

- MIT (Master IPC Trainer) IPC-A-600
- MIT (Master IPC Trainer) IPC-A-610
- MIT (Master IPC Trainer) IPC-6012
- MIT (Master IPC Trainer) IPC/WHMA-A-620



***Russell Shepherd***

Mr. Russell Shepherd has over 30 years of experience in the PCB test industry along with over 20 years of training experience. Currently, Mr. Shepherd is the Operations Manager at NTS's

facility in Anaheim, CA (NTS-Anaheim) and in addition to his decades of test and training experience, Mr. Shepherd is also the chair of IPC's Flexible Circuits Test Methods and Microsection committees and is the vice chair of IPC's SIR/ECM and CAF task groups. Currently, Mr. Shepherd also holds the following certifications:

- MIT (Master IPC Trainer) IPC-A-600
- MIT (Master IPC Trainer) IPC-6012

