



Support quality assurance initiatives with certification on this essential inspection standard ...

IPC/WHMA-A-620

Requirements and Acceptance for Cable and Wire

Harness Assemblies Training and Certification Program



Photo courtesy of PIEK

IPC/WHMA-A-620 enjoyed almost immediate international acceptance since its first release in 2002, and quickly became the most important process, materials and inspection standard for the cable and wire harness industry. Developed with support of the Wire Harness Manufacturer's Association, the document and training programs have been published in several languages and the standard has earned an international reputation as the source for end-product acceptance. Now updated to lead free for terminal soldering criteria, IPC/WHMA-A-620 has been embraced by original equipment manufacturers and electronics manufacturing services companies worldwide.

Choose from Two Tiers of Instruction

- **Certified IPC Application Specialist (CIS)** training focuses on what line workers, operators, inspectors and buyers need to know to inspect or make acceptance/rejection decisions. Course fee covers: classroom training and an exam, a copy of the standard and certification.
- **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 versed in electronic assembly are excellent candidates for this training, as are engineering and manufacturing supervisors who have assembly responsibilities. Course fee covers: classroom training and an exam, certification and comprehensive materials for preparing and delivering CIS training.

Why earn IPC/WHMA-A-620 certification?

Certification in this industry-approved and traceable program demonstrates your commitment to continuous improvement of product quality and reliability, and greatly facilitates certification to ISO or other quality assurance initiatives. Both the CIT and CIS programs provide individuals with a portable credential that represents their understanding of IPC/WHMA-A-620, and offers recognition, legitimacy and value throughout the electronics industry.

Training Modules

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.

- Maintaining integrity of the certification program
- Cable/wire preparation
- Measuring cable assemblies and wires
- Testing cable assemblies
- Crimp terminations
- Insulation displacement connections (IDC)
- Soldering to terminals
- Connectorization
- Molding/potting
- Splicing
- Marking and labeling
- Wire bundle securing, shielding and protective coverings
- Coaxial and twinaxial cable assemblies
- Solderless wire wrap



CIT Program Extras

To help assure CIT candidates' future success as trainers, the CIT program also includes:

- Instructor guide with lesson plans, reference material and training guidance
- A copy of IPC/WHMA-A-620, *Requirements and Acceptance for Cable and Wire Harness Assemblies*
- Written tests with answer keys
- A CD-ROM with visual aids and electronic copies of training-support forms

Make an investment in continuous improvement and quality enhancement today — with the **IPC/WHMA-A-620, Requirements and Acceptance for Cable and Wire Harness Assemblies Training and Certification Program!**

"We use IPC/WHMA-A-620 as a common link to improve product quality and customer communication. Since we started supporting the standard through the IPC training and certification program in 2005, we've seen significant improvement in our quality: it is much more stable and standardized. I would tell anyone who is in this business that using this standard provides your company with a distinct advantage. I think it's worth every penny you pay for it. It only has to work for you one time to pay for itself many times over."

Joe W. DeLuca
General Manager
Laster Incorporated

"Training and certifying our production assemblers to IPC/WHMA-A-620 workmanship standards has empowered our employees to take ownership and pride in the quality of their work because they now have well-defined criteria for what is acceptable and unacceptable work. By removing the subjectivity from the equation, our employees are faster at identifying and solving problems, and more satisfied in their work overall."

Lyle Fahning
CEO/President
Technical Services for Electronics, Inc.