STEM Training
STANDARDS TRAINING IN ELECTRONICS MANUFACTURE

IPC Certified IPC/WHMA-A-620 Application Specialist

Training Overview

IPC/WHMA-A-620 Rev F
Requirements & Acceptance for Cable & Wire Harness Assemblies

IPC/WHMA-A-620 Overview
IPC-620 is the most widely used standard, published for the Cable/Wire Harness manufacturing industry. The standard contains many full colour illustrations & provides comprehensive accept/reject criteria for the inspection of Cable/Wire Harness assemblies. The standard is intended for manufacturers of consumer, commercial or military products.
IPC-620, replaces certification to MIL-STD-2000, & will help satisfy your training requirements of ISO-9001-2000 (section 6.2.2).

Training objective
To qualify & certify the candidates as, IPC/WHMA-A-620 Certified IPC Specialists (CIS).
Upon satisfactory completion of the course, candidates will be capable of making correct "accept/reject" decisions, using the acceptability requirements within the standard.

The Program
The training program can be purely theoretical, & practical hands-on skills training can be included if required (please enquire if required).
The training is carried out by a Certified IPC Trainer (CIT), with the aid of IPC standards, PowerPoint slides & harness assembly & connector examples.

Who should become an IPC-620 Certified IPC Specialist?
Operators, technicians, engineers, test technicians, quality assurance personnel and others responsible for the quality and reliability of cable & wire harness assemblies, are all excellent candidates for the program.

Program Pre-Requisites
Candidates should ideally have a little knowledge of cable & wire harness assemblies, but this is not essential.

Certification
In order to attain IPC-620 certification, candidates must pass the simple online, open book, multiple-choice tests, that are set out for each module.
The certificate is valid for 2 years following module 1 completion, after which, the candidate will have the option to re-certify. Candidates can sit a re-certification course up to 6 months prior to the certificate expiring (without losing any time on the certification term).

Mandatory training module
- Module 1 Policies and Procedures, General, Wire Preparation, Measuring Cable Assemblies and Wires, Testing

Optional modules (select any to suit your business requirements)
- Module 2 Crimp Terminations, Insulation Displacement Connections.
- Module 3 Soldered Terminations.
- Module 4 Connectorization, Overmolding & Potting
- Module 5 Ultrasonic Welding & Splices.
- Module 6 Marking & Labelling, Securing, & Finished Assembly Installation.
- Module 7 Co-axial & Bi-Axial Cable Assemblies.
- Module 8 Harness Shielding & Protective Coverings.

Program duration
If all modules re selected, the course will span a maximum of 3 days. The duration of individual modules, are available upon request

What do you need to provide?
A training, meeting or conference room (or any uninterrupted area).

What do STEM Training provide?
IPC Standards (for training only), handouts, examples, flipchart, laptop, iPads for online tests (for each candidate), projector & screen.