

Training Overview

IPC/WHMA-A-620 Rev C

Requirements & Acceptance for Cable & Wire Harness Assemblies

IPC/WHMA-A-620 Rev B 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 is purely theoretical, & does not include hands-on practical skills training, (although this can be included as part of a bespoke training program). The training is carried out by a Certified IPC Trainer (CIT), with the aid of IPC standards, PowerPoint slides, flipcharts & electronic assembly 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.

Mandatory training module

- Module 1 Policies and Procedures, Forward, 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 Splices
- Module 6 Marking & Labelling, Wire Bundle Securing, Shielding & Protective Coverings, Finished assembly Installation
- Module 7 Co-axial & Bi-Axial Cable Assemblies
- Module 8 Solderless Wire Wrap

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.

