

# IPC TRAINING WHMA - A - 620

# MESH GLOBAL

## Acceptability of Cable and Wire Harness Assemblies

IPC training programmes are intensive courses concluding in examination. Students should have the necessary standard of knowledge and experience to support their attendance on a course and to undertake the examination.

IPC WHMA-A-620 is the leading industry standard for cable and wire harness fabrication and installation. The course enables staff to understand procedures for fault finding, rectification, methods of soldering and quality of finished product on cable and wire harness assemblies.

The IPC WHMA-A-620 standard describes the acceptability criteria for crimped, mechanically secured and soldered interconnections and the corresponding lacing/restraining criteria associated with cable and harness assemblies.

### IPC WHMA-A-620 covers three classes of quality assurance:

CLASS 1	General electronic products - such as cameras, audio/video and domestic appliances. The lifetime of these products is limited, and a failure is not critical.
CLASS 2	Dedicated service electronic products - such as printers, copiers, computers and general production equipment. The lifetime of the products is longer than class 1, the amount of usage is higher, and an uninterrupted service is desirable.
CLASS 3	High reliability/critical products - such as military, aerospace and medical. Not only is the product lifetime extended but the products must function without interruption and downtime is not an acceptable option.

### Pass rates and notes:

Application Specialist
A minimum of 70% is required on each closed and open-book written test to achieve a pass
On completion of the course, the Application Specialist will receive a copy of the IPC 620 Standard

Each course provides a global IPC certification valid for two years. For students who have previously achieved either Application Specialist or Certified Trainer IPC-A-620 Certification within the last two years a relevant Recertification course is available.

**IPC WHMA-A-620 is a modular programme. Apart from mandatory modules your staff may only need the elements relevant to your company; IPC strongly recommend that all modules are taken.**

	Application Specialist
Module 1 – Introduction/IPC Professional Policies and Procedures; Foreword and Applicable Documents; Cable/wire preparation; Measuring Cable Assemblies; Testing Cable Assemblies	Mandatory
Module 2 – Crimp Terminations and Insulation Displacement Connections	Optional
Module 3 – Soldered Terminations	Optional
Module 4 – Connecting and Moulding/Potting	Optional
Module 5 – Terminal Connections	Optional
Module 6 – Marking/Labeling; Wire Bundle Securing; Shielding; Protective Coverings	Optional
Module 7 – Coaxial and Twin Axial Cable Assemblies	Optional
Module 8 – Solderless Wire Wrap	Optional

### Training courses at our training centre:

<b>Application Specialist</b>
Certified IPC Application Specialist (CIS) course is up to 3 days <i>Module 1 is mandatory and takes one full day. All modules are covered within three days; omitting modules is unlikely to reduce overall attendance time.</i> A copy of the IPC Standard is included for each student.

### Onsite training at client's location:

<b>Application Specialist</b>
Certified IPC application Specialist (CIS) course is up to 3 days <i>Module 1 is mandatory and takes one full day. Each individual module requires a different amount of classroom time. All modules are covered within three days.</i> Course materials are provided during the training; one copy of the standard is included and more can be purchased separately

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