

## **IPC Regional Office**

# **Electronics Workforce Training**

## **Operator Level Course for Cable & Wire Harness Companies**



**Details:** The Wire Harness Assembly for Operators course introduces the key tools, materials, and processes for operators working in wire harness assembly. This course is designed to encompass the entire wire harness assembly process, including a customizable selection of modules to address the current needs and future goals of operators and organizations.

### **Course Objective & Overview**

After completing this course, you will be able to employ the correct procedures for constructing Wire Harness Assemblies within an electronics manufacturing facility.

#### Course

Wire Harness for Operators (WHO)

#### Access

IPC EDGE Learning Management System

#### **Course Structure:**

Contains seven mandatory modules and a final exam. A score of 80% is required to pass the final exam and earn the IPC credential. There are seven additional modules to allow expanded learning on specific topics.

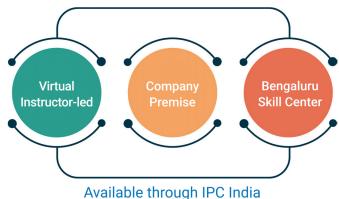
#### Difference from IPC/WHMA-A-620

Wire Harness for Operators course is a Foundation Level course and companies can opt as testing level before IPC/WHMA-A-620 CIS and not an option for the IPC Endorsement/Certification programs: <a href="https://www.ipc.org/ipc-certifications">https://www.ipc.org/ipc-certifications</a>

#### **Credential**

Qualified IPC Wire Harness Assembly Operator

## **Mode of Training**





#### Day 1 (8 hours)

#### **Mandatory Modules**

- Introduction to the Electronics Industry
- 2. Safety
- 3. Engineering Documentation
- 4. Materials and Components
- 5. Tools and Equipment
- 6. Wire Preparation and Processing (Hands on)
- 7. Inspection and Testing

#### Day 2 (8 hours)

#### Final Exam: Modules 1-7 (90 minutes)

- Optional Modules

  8. Crimp Terminations
  (Hands on)
- Soldered Terminations (Hands on)
- 10. Splicing (Hands on)

#### Day 3 (6 hours)

#### **Optional Modules**

- 11. Connectors (Hands on)
- 12. Coaxial Cable (Hands on)
- 13. Labeling, Securing and Coverings (Hands on)
- 14. Finished Assembly

Note: Time duration may be reduced and depends on the selection of modules

#### Credentials

Qualified IPC Wire Harness Assembly Operator

Minimum no of candidates: 15 Per Batch

Maximum no of candidates: 25 Per Batch

#### **Practical Hands On**

- Included with Module 6 & 8-13
- Batch will be divided in groups, contain 5 members in each
- ► Separate tools list will be provided by IPC India, and it has to be arranged by Member Company itself.
- ▶ This hands-on aspect is special initiative of IPC India
- Standard Global Certificate will have no mention of the practical session

### **IT & Audio-Visual Requirement**

- Laptop with high speed internet connection
- Projector & screen connected with Instructor's laptop
- Audio system
- ▶ Table for demonstration

#### Facility requirement at company premise

Training Room to be arranged for instructor by the company. Lab to be equipped with the required tools and equipment's as stated by IPC India (along with consumables). Lunch & refreshments to be arranged by the Company

Discount available for bulk registrations

For details connect to:

## www.ipc.org/ipc-india-regional-team