

Health and Safety

6 - Hazards and Controls Associated with Working with Electricity

elearning



Cogent Skills Health and Safety Suite

Delivery Mode:
30 minutes of elearning

Assessment:
No required assessment, participants are encouraged to keep self-reflective notes on key learning points.

Certificate:
Available upon completion of learning

This Course is Aimed at

Anyone who needs to understand the principles of health and safety as part of their job. The typical people who would benefit from this course include: Team leaders and supervisors, HR professionals, facilities managers, those working with young people in a training environment.

Overview

This course is a stand-alone elearning module and forms part of a 10 module set that make up the Health and Safety at Work Suite. It will help you to identify the hazards associated with the use of electricity and the control measures that need to be taken when working with electrical systems or using electrical equipment.

Program Content and Key Areas

Hazards of electricity:

- ✓ Direct and indirect electric shock and its effect on the body, electrical burns
- ✓ Electrical fires
- ✓ Secondary hazards (e.g. falls from heights)
- ✓ Risks specifically associated with portable electrical equipment
- ✓ Risks from charged storage equipment (batteries, capacitors etc)

Control measures associated with working with electricity:

- ✓ Selection and suitability of equipment
- ✓ Protective measures: fuses, earthing, isolation, reduced low voltage systems, residual current devices, double insulation

- ✓ Inspection and maintenance strategies: user checks, formal inspection and tests, frequency of inspection and testing, records of inspection and testing

Learning Outcomes

On completion of this module, participants should be able to demonstrate understanding of the content through the application and knowledge to familiar and unfamiliar situations. In particular they should be able to:

- ✓ Identify the hazards associated with the use of electricity in the workplace
- ✓ Identify the control measures that need to be taken when working with electrical systems or using electrical equipment

