



**Australian Government**

**UEERL0001 Attach cords and plugs to  
electrical equipment for connection to a  
single phase 230 Volt supply**

**Release: 1**

# **UEERL0001 Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply**

## **Modification History**

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

## **Application**

This unit involves the skills and knowledge required to attach flexible cord and plug to electrical equipment for connection to a single phase supplies up to 230 volts (V) alternating current (a.c.) supply.

It includes planning and attaching flexible cord and plug, using test equipment for inspection and safety testing. It also includes locating, inspecting, testing and repairing faults in flexible cords and plugs.

This unit does not cover the knowledge and skills necessary for work associated with high current faults on complex electrical apparatus, circuits and electrical work; in hazardous areas or on electrical equipment that is part of an explosion-protection technique; nor, work associated with fixed wiring.

The skills and knowledge described in this unit require a licence or permit to practice in the workplace where work is carried out on electrical installations which are designed to operate at voltages greater than 50 V a.c. or 120 V direct current (d.c.).

Competency development activities in this unit are subject to regulations directly related to licensing. Where a licence or permit to practice is not held, a relevant contract of training, such as an Australian Apprenticeship, is required.

Additional and/or other conditions may apply in some jurisdictions subject to regulations related to electrical work. Practice in the workplace and during training is also subject to work health and safety (WHS)/occupational health and safety (OHS) regulations.

## **Pre-requisite Unit**

UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

## **Competency Field**

Restricted Licensing

## Unit Sector

Electrotechnology

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### 1 Plan electrical equipment connection

#### 2 Attach flexible cord and plugs

### PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1 Work is planned, sequenced and prepared in accordance with WHS/OHS requirements and workplace procedures
- 1.2 Condition and ratings of cord and plugs are in accordance with workplace procedures and work instruction from appropriate person/s
- 1.3 Flexible cords and plugs are selected in accordance with relevant industry standards and workplace procedures for condition and rating
- 1.4 Materials necessary to complete work are obtained and checked in accordance with workplace procedures and work instructions
- 1.5 Tools, equipment and testing devices needed to carry out work are obtained in accordance with workplace procedures and checked for correct operation and safety
- 1.6 Flexible cord and plugs are prepared without damage to insulation and conductors and in accordance with relevant industry standards
- 2.1 WHS/OHS workplace policies and procedures are followed
- 2.2 Single insulated metal framed equipment is earthed in accordance with relevant industry standards and workplace procedures
- 2.3 Double insulated equipment is inspected and maintained in accordance with relevant industry standards and workplace procedures
- 2.4 Conductors are connected to terminals ensuring required polarity is in accordance with relevant industry standards

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| <b>3 Inspect and test equipment for operation and safety</b> | <b>3.1</b> | Electrical installation and operation of cord and plug/s connected to electrical equipment are inspected and tested in accordance with relevant industry standards, work instructions and workplace procedures |
|  | <b>3.2</b> | Quality checks of work are undertaken in accordance with workplace procedures  |
| <b>4 Locate and repair fault in flexible cord and plug/s</b> | <b>4.1</b> | Electrical equipment and attached flexible cord and plug/s are isolated in accordance with WHS/OHS requirements and workplace procedures   |
|  | <b>4.2</b> | WHS/OHS workplace policies and procedures are followed   |
|  | <b>4.3</b> | Quality checks of the attached flexible cord and plug/s are undertaken in accordance with workplace procedures to detect any abnormal, damage or fault   |
|  | <b>4.4</b> | Faults in attached flexible cord and plug/s are determined and details of components to be replaced are recorded in accordance with workplace procedures   |
|  | <b>4.5</b> | Faults in attached flexible cord and plug/s are repaired, as required, in accordance with workplace procedures   |
|  | <b>4.6</b> | Repairs are inspected and tested for compliance with industry standards  |
|  | <b>4.7</b> | Unplanned events are referred to supervisor for direction in accordance with workplace procedures  |
|  | <b>4.8</b> | Status report/s is completed and supervisor notified in accordance with workplace procedures   |

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Attaching cords and plugs to electrical equipment must include:

- any cord, cable and plug connected to equipment and cord extension leads intended for single phase supplies up to 230 V

Safe working procedures within in the scope of this unit must:

- be in accordance with AS/NZS 4836 Safe working on low-voltage electrical installations

## Unit Mapping Information

This unit replaces and is equivalent to UEENEEP024A Attach cords and plugs to electrical equipment for connection to a single phase 230 Volt supply.

## Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>