



**Australian Government**

# **UEERE0050 Identify and isolate multiple supply systems**

**Release: 1**

# UEERE0050 Identify and isolate multiple supply systems

## 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 identify and isolate multiple supply systems.

It includes identifying locations of multiple supply systems within a premise with or without grid supply, performing shutdown and isolation procedures and returning supply systems to normal operations.

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 volt (V) alternating current (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, may be required.

Those holding an 'Unrestricted Electrician's Licence' or equivalent issued in an Australian state or territory meet the prerequisite requirements of this unit.

## Pre-requisite Unit

UEEEL0039 Design, install and verify compliance and functionality of general electrical installations

## Competency Field

Renewable Energy

## Unit Sector

Electrotechnology

## Elements and Performance Criteria

### ELEMENTS

### PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

### **1 Prepare to isolate multiple supply systems**

- 1.1** Legislation, regulations, standards, codes of practice and workplace requirements for the worksite are identified and referred to
- 1.2** Scope of work is determined, implications of isolation/s are identified
- 1.3** Site specific information including manuals, drawings, operational information, labelling, shutdown and start up procedures are identified and referred to
- 1.4** Worksite is assessed in accordance with workplace requirements
- 1.5** Hazards are identified, risks assessed and control measures identified and applied
- 1.6** Tools, equipment and personal protective equipment (PPE) required for work are determined, obtained and confirmed in working order
- 1.7** Circuit testing devices are obtained and checked for correct operation and safety in accordance with workplace requirements
- 1.8** Relevant person/s are notified of supply systems shutdown and isolation in accordance with workplace requirements

### **2 Isolate multiple supply systems**

- 2.1** Supply systems shutdown procedures are completed in accordance with site specific information and workplace requirements
- 2.2** Supply systems circuits are tested and confirmed as de-energised and lock-out procedures followed

### **3 Re-instate multiple supply systems**

- 3.1** Supply systems start up procedures are completed in accordance with site specific information and workplace requirements
- 3.2** Supply systems are confirmed as re-energised and tested for correct operation
- 3.3** Incidents or unplanned events are responded to in accordance with workplace requirements
- 3.4** Relevant person/s are notified of re-instatement of supply systems in accordance with workplace

requirements

## 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.

## Unit Mapping Information

Newly created unit.

## Links

Companion Volume Implementation Guides are found in VETNet -

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