



**Australian Government**

# **UEERE0041 Maintain operation of remote area power generation plant**

**Release: 1**

# UEERE0041 Maintain operation of remote area power generation plant

## 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 maintain operation of remote area power generation plant where the exposed voltage is not greater than 50 volt (V) alternating current (a.c.) or 120 V direct current (d.c).

It includes preparing for, conducting, completing and reporting on maintenance of power generation plant.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

UEERE0018 Maintain and repair remote area power generation facilities

## Competency Field

Renewable Energy

## Unit Sector

Electrotechnology

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### 1 Prepare for maintenance

### PERFORMANCE CRITERIA

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

- 1.1** Work health and safety (WHS)/occupational health and safety (OHS) requirements for a remote area power generation plant are identified and applied in accordance with workplace procedures

- 1.2 Risks are identified, assessed and control measures applied in accordance with workplace procedures prior to commencing work
  - 1.3 Risks/hazards are identified, assessed, reported to relevant person/s and control measures implemented
  - 1.4 Nature and location of the power plant are obtained from documentation or from work supervisor to determine the scope of work to be undertaken
  - 1.5 Advice on coordinating work with others and the local community is obtained from relevant person/s and applied
  - 1.6 Sources of materials required for work are identified and accessed in accordance with workplace routines and procedures
  - 1.7 Tools, equipment and testing devices required for work are obtained and checked for correct operation and safety
- 2 Conduct maintenance work**
- 2.1 Workplace risk control measures and procedures are applied
  - 2.2 Circuits/machines/plant are isolated in accordance with WHS/OHS requirements and workplace procedures
  - 2.3 Relevant maintenance procedures are applied to test and check remote area power plant
  - 2.4 Known types of remote area power plant functional faults are identified and repaired in accordance with workplace procedures
  - 2.5 Maintenance performance measurements and repairs are conducted safely in accordance with workplace routines and procedures
  - 2.6 Workplace procedures are applied for referring non-routine events to relevant person/s for directions
  - 2.7 Maintenance and repair work is conducted minimising waste of materials, energy, damage to apparatus, circuits, the surrounding environment and services
  - 2.8 Quality checks are conducted in accordance with instructions and workplace procedures

- 3 Complete maintenance work and reporting**
- 3.1** Workplace risk control measures and procedures are applied
  - 3.2** Worksite is cleaned and made safe in accordance with workplace procedures
  - 3.3** Maintenance issues beyond the scope of work are referred to relevant person/s in accordance with workplace procedures
  - 3.4** Work completed is reported to relevant person/s in accordance with maintenance reporting and 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.

## Unit Mapping Information

This unit replaces and is equivalent to UEENEEK120A Maintain operation of remote area power generation plant.

## Links

Companion Volume implementation guides are found in VETNet - -

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