



Australian Government

UEERE0018 Maintain and repair remote area power generation facilities

Release: 1

UEERE0018 Maintain and repair remote area power generation facilities

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 and repair remote area power generation facilities.

It includes preparing for, conducting and reporting on maintenance and repair of remote area power generation facilities.

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

Pre-requisite Unit

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

UEECD0019 Fabricate, assemble and dismantle utilities industry components

UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications

UEERE0019 Maintain safety and tidiness of remote area power supply systems

UEERE0023 Work safely with remote area power supply systems

UEERE0007 Conduct periodic maintenance of remote area power supply generator sets
and

UEECD0043 Solve problems in direct current circuits

or

UEECD0044 Solve problems in multiple path circuits

UEECD0046 Solve problems in single path circuits

Competency Field

Renewable Energy

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

1 Prepare to maintain and repair remote area power generation facilities

- 1.1** Work health and safety (WHS)/occupational health and safety (OHS) requirements for a remote area power generation facility are identified and applied in accordance with workplace routines and 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 remote area power station facility is obtained from documentation or from relevant person/s to determine the scope of work
- 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 Maintain and repair remote area power generation facilities

- 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
- 2.2** Inspection repairs, replacements and/or adjustments are completed on items listed in the maintenance schedule and in accordance with workplace procedures
- 2.3** Fuel, coolant, oil and other fluid spills are cleaned and area made safe in accordance with workplace procedures

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| | 2.4 | Batteries are serviced and/or replaced as specified in the maintenance schedule and in accordance with workplace procedures |
| | 2.5 | Consumables are removed and disposed of in accordance with environmentally safe procedures |
| | 2.6 | Non-routine events are referred to relevant person/s for directions in accordance with workplace procedures |
| | 2.7 | Quality checks are conducted in accordance with instructions and workplace procedures |
| 3 | Report maintenance and repair of remote area power generation facilities | |
| | 3.1 | Workplace risk control measures and procedures are applied |
| | 3.2 | Maintenance issues beyond the scope of work are referred to relevant person/s in accordance with workplace procedures |
| | 3.3 | 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 UEENEEK116A Maintain and repair remote area power generation facilities.

Links

Companion Volume implementation guides are found in VETNet - -

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