



Australian Government

**UEERE0017 Maintain and repair facilities
associated with remote area essential
service operations**

Release: 2

UEERE0017 Maintain and repair facilities associated with remote area essential service operations

Modification History

Release 2. This minor update is the second release of this unit of competency in the UEE Electrotechnology Training Package.

Typographic error in prerequisite option requirements fixed.

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 facilities associated with remote area essential service operations.

It includes preparing for, conducting, completing and reporting on maintenance and repair of 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

and

UEECD0043 Solve problems in direct current circuits

or

UEECD0044 Solve problems in multiple path circuits

UEECD0046 Solve problems in single path circuits

or

UEECD0042 Solve problems in ELV single path circuits

UEECD0044 Solve problems in multiple path circuits

Competency Field

Renewable Energy

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to maintain and repair facilities

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 supply (RAPS) plant 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 service facilities are 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 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** Facilities are checked to identify deterioration and damage in accordance with workplace procedures

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| | 2.4 | Faulty and damaged facilities are repaired in accordance with workplace procedures |
| | 2.5 | Maintenance and repairs are carried out safely and within the prescribed limits, routines and procedures |
| | 2.6 | Non-routine events are referred to relevant person/s for directions in accordance with workplace procedures |
| | 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 and repair work report | 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 UEENEEK117A Maintain and repair facilities associated

with remote area essential service operations.

Links

Companion Volume Implementation Guides are found in VETNet -

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

Assessment Requirements for UEERE0017 Maintain and repair facilities associated with remote area essential service operations

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least two different remote area essential service operations and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures and practices, including the use of risk control measures
- checking isolation of circuits/machines/systems
- completing maintenance and repairs
- completing relevant documentation/reporting
- conducting quality checks
- coordinating work with relevant person/s
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- determining scope of work from documentation and/or relevant person/s
- identifying and accessing materials, tools, equipment and testing devices
- identifying deterioration and damage to facilities
- identifying maintenance issues beyond the scope of work and notifying relevant person/s
- maintaining and repairing remote area essential service operations facilities
- preparing for maintenance and repair work.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- maintenance of remote area essential services facilities, including:
 - repair and maintenance of:
 - fences and gates

- windows
- function/s of relevant electrical components
- basic mathematical operations
- electrical safety procedures
- essential services facilities - lighting
- essential services facilities - safety and security and emergency checks
- firefighting equipment and operation
- generation and distribution of electricity
- identification and reporting of faulty electrical components
- maintenance painting
- relevant manufacturer specifications
- relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies and procedures.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in suitable simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- resources that reflect current industry practices in relation to maintaining and repairing facilities associated with remote area essential service operations
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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