



Australian Government

UEERE0040 Maintain and monitor remote area essential service operations

Release: 1

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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 monitor remote area essential service operations.

It includes preparing to maintain a power station compound, monitoring performance, developing maintenance schedules, completing work and reporting outcomes.

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

UEERE0023 Work safely with remote area power supply systems

Competency Field

Renewable Energy

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to maintain remote area power supply (RAPS) compound and monitor

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 station facility are identified and applied in accordance with workplace routines and procedures

performance

- 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
 - 1.8 Defective and unsafe tools and service equipment are repaired or replaced in accordance with workplace procedures
- 2 **Maintain RAPS compound and monitor performance**
 - 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 Power station building, generating equipment and compound are cleaned and tidied to maintain a safe and efficient plant area in accordance with workplace procedures
 - 2.3 Inspection and reporting are conducted on suitability, location and legibility of safety signage
 - 2.4 Inspection and reporting are conducted on location, suitability and condition of firefighting equipment
 - 2.5 Performance status and fuel and oil use of generation equipment is monitored and logged based on information obtained from instruments, meters and

		measuring devices
	2.7	Non-routine events are referred to relevant person/s for directions in accordance with workplace procedures
	2.8	Quality checks are conducted in accordance with instructions and workplace procedures
3	Develop maintenance schedule and complete work report	
	3.1	Workplace risk control measures and procedures are applied
	3.2	Maintenance schedule is developed based on logged information on power station performance status and condition of compound
	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 UEENEEK118A Maintain and monitor remote area essential service (RAPS) operations.

Links

Companion Volume implementation guides are found in VETNet - -

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

