



Australian Government

UEERE0023 Work safely with remote area power supply systems

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 work safely on remote area power supply (RAPS) systems.

It includes preparing to enter a RAPS system, applying safe working practices, and following workplace procedures for hazard identification and risk control in RAPS system areas.

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

Competency Field

Renewable Energy

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to enter a RAPS system

PERFORMANCE CRITERIA

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

- 1.1** Hazards/risk control procedures for RAPS systems maintenance are identified and applied
- 1.2** System access permit is obtained from relevant person/s
- 1.3** Preparation for electrical and non-electrical isolation is completed in accordance with workplace procedures

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| | 1.4 | Tools and equipment required for work are checked for safety and correct functionality in accordance with workplace procedures |
| 2 | Apply safe working practices in RAPS system area | |
| | 2.1 | Workplace risk control measures and procedures are applied |
| | 2.2 | Safe work practices for RAPS system are applied in accordance with workplace procedures |
| | 2.3 | Circuits/machines/system are isolated in accordance with work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures |
| | 2.4 | Safe work practices in RAPS system are applied in accordance with workplace procedures |
| | 2.5 | Safe working practices are applied minimising waste of materials, energy, damage to apparatus, circuits, the surrounding environment and services |
| | 2.6 | Quality checks are conducted in accordance with workplace procedures |
| 3 | Follow workplace procedures for hazard identification and risk control in RAPS system areas | |
| | 3.1 | Risks/hazards are identified, assessed and control measures implemented and monitored through consultation with relevant person/s and the local community |
| | 3.2 | Workplace hazards are identified and reported to relevant person/s in accordance with workplace procedures |
| | 3.3 | WHS/OHS incident reports are completed in accordance with regulatory requirements and workplace procedures |
| | 3.4 | Instructions and training are applied in accordance with 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.

Working safely with RAPS system must include at least the following:

- two different systems incorporating the following:
 - battery bank
 - generator set
 - photovoltaic (PV) array
 - one RAPS system with the addition of a wind generator

Unit Mapping Information

This unit replaces and is equivalent to UEENEEK102A Work safely with remote area power supply systems.

Links

Companion Volume implementation guides are found in VETNet - -

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