



Australian Government

UEERE0026 Conduct checks in the demand side use of remote area power supplies (RAPS)

Release: 1

UEERE0026 Conduct checks in the demand side use of remote area power supplies (RAPS)

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 conduct checks in the demand side use of remote area power supply (RAPS) use.

It includes preparing for, completing and reporting on checking of community RAPS use.

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 check RAPS system use

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) procedures for a RAPS system are identified and applied in accordance with workplace procedures

1.2 Risk control measures are 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 RAPS system is identified from relevant documentation or from relevant person/s to determine the scope of work
 - 1.5 Instructions for coordinating work with relevant personnel and the local community are obtained from relevant person/s and applied
 - 1.6 Materials required for the work are identified and accessed in accordance with workplace procedures
 - 1.7 Tools, equipment and testing devices required for work are obtained and checked for correct operation and safety
- 2 Check use of RAPS system**
- 2.1 Workplace risk control measures and procedures are applied
 - 2.2 Need to test or measure live electrical work is determined in accordance with WHS/OHS requirements and conducted in accordance with workplace procedures
 - 2.3 Circuits/machines/plant are isolated in accordance with WHS/OHS requirements and workplace procedures
 - 2.4 RAPS system testing and checks are conducted in accordance with relevant workplace procedures
 - 2.5 Retrieval of performance data is completed safely and in accordance with workplace procedures
 - 2.6 Known types of functional faults are identified using fault-finding procedures
 - 2.7 Non-routine events are referred to relevant person/s for directions in accordance with workplace procedures
 - 2.8 Checking is conducted minimising waste of materials, energy, damage to apparatus, circuits, the surrounding environment and services
 - 2.9 Quality checks are conducted in accordance with workplace procedures
- 3 Complete check of RAPS**
- 3.1 Workplace risk control measures and procedures are

**system and report
outcomes**

applied

- 3.2 Worksite is cleaned and made safe in accordance with workplace procedures
- 3.3 Issues identified during checking are referred to the local community in accordance with workplace procedures
- 3.4 Check results are reported to relevant person/s in accordance with check 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.

- Conducting checks in the demand side use of RAPS must include at least the following:
- two different systems where the battery bank is charged from:
 - a generator set
 - a wind generator

Unit Mapping Information

This unit replaces and is equivalent to UEENEEK107A Conduct checks in the demand side use of remote area power supplies (RAPS).

Links

Companion Volume implementation guides are found in VETNet - -

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