



Australian Government

UEERE0043 Plan periodic maintenance schedules of remote area power supplies (RAPS)

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 plan periodic maintenance schedules of remote area power supplies (RAPS).

It includes establishing maintenance requirements, developing and implementing maintenance schedule, and evaluating maintenance program.

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

UEECD0016 Document and apply measures to control WHS risks associated with electrotechnology work

UEERE0023 Work safely with remote area power supply systems

UEERE0006 Conduct periodic maintenance of remote area power supply battery banks

UEERE0007 Conduct periodic maintenance of remote area power supply generator sets

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.

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|---|--|
| 1 Establish RAPS system maintenance requirements | <p>1.1 Work health and safety (WHS)/occupational health and safety (OHS) policies and procedures, skills required and frequency and level of maintenance work are determined in accordance with maintenance routines and workplace procedures</p> <p>1.2 Records are created to manage maintenance work and updated in accordance with workplace procedures</p> <p>1.3 Maintenance and replacement or repair work are determined in accordance with manufacturer and community requirements and workplace procedures</p> <p>1.4 Maintenance program, including basic periodic instruction in demand side use, is determined in accordance with local community requirements and workplace procedures</p> |
| 2 Develop and implement RAPS system maintenance schedule | <p>2.1 Maintenance schedules are developed from equipment manufacturer recommendations and in accordance with RAPS system safety and performance requirements</p> <p>2.2 Procedures are developed and implemented to ensure the maintenance program is completed in accordance with the planned schedule and requirements</p> <p>2.3 Procedures are developed and implemented to ensure records are maintained in accordance with planned schedule and requirements</p> |
| 3 Evaluate RAPS system maintenance program | <p>3.1 Periodic and sample inspection reports are used to determine maintenance quality and the need for revision of maintenance schedule and frequency</p> <p>3.2 Maintenance schedule is periodically reviewed and revised to maintain the integrity of the RAPS system</p> |

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 UEENEEK108A Plan periodic maintenance schedules 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>