



Australian Government

Assessment Requirements for UEERE0074 Inspect off-grid renewable energy systems

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the Electrotechnology Training Package.

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 separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including using risk control measures
- obtaining required information and documentation in preparation for the inspection
- preparing off-grid system inspection checklists based on industry standards and regulatory requirements
- conducting detailed inspections and testing of off-grid systems
- verifying off-grid system compliance, and identifying non-compliance, with industry/regulatory standards
- acting within the inspection authority when dealing with non-compliance
- documenting and reporting inspection findings.

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 the following. Additional advice and definitions for some items is provided in the UEE Training Package Companion Volume Implementation Guide (CVIG):

- inspections and safety compliance audits of off-grid renewable energy systems, including:
 - inspection types and their scope
 - scope of inspection responsibilities
 - inspection methods and procedures
 - inspection documentation
- off-grid renewable energy systems including:
 - installation of photovoltaic systems to power conversion equipment
 - installation of battery storage to power conversion equipment
 - installation and maintenance of wind energy systems to power conversion equipment
 - installation and maintenance of micro hydro energy systems to power conversion equipment

- installation of off-grid power conversion equipment to electrical installation
- fault finding and repair off-grid photovoltaic/generating set systems to an electrical installation
- relevant industry standards
- relevant regulatory requirements
- relevant manufacturer specifications
- considerations when inspecting different types of installations
- processes for confirming that performance standards have been met
- actions and procedures for dealing with non-compliance defect
- relevant job safety assessments or risk mitigation processes
- relevant WHS/OHS and legislated requirements.
- relevant workplace documentation, 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 workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in 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
- applicable documentation, including workplace procedures, equipment specifications, industry standards, regulations, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

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