



Australian Government

**Assessment Requirements for UEERE0048
Verify compliance and functionality of an
extra-low voltage renewable energy
installation**

Release: 1

Assessment Requirements for UEERE0048 Verify compliance and functionality of an extra-low voltage renewable energy installation

Modification History

Release 1. This is the first release of this unit of competency in the UEE 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, performance criteria and range of conditions on at least one occasion and include:

- selecting correct tools and testing equipment
- identifying visual non-compliance defects
- using effective methods for conducting tests
- identifying non-compliance from test results
- identifying causes of non-compliance
- completing mandatory reporting
- dealing with unplanned events
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures and practices, including the use of risk control measures
- applying sustainable energy principles and practices
- checking isolation of circuits/machines/systems
- coordinating work with relevant person/s
- determining live electrical testing/measurement requirements
- verifying compliance and functionality of extra-low voltage (ELV) renewable energy (RE) installations.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- RE installations and ELV installation requirements encompassing:
 - requirements for installation of wiring and equipment
 - compliant methods for providing protection
 - requirements for installation planning and selection of equipment
 - testing and verification requirements
 - documentation encompassing:
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- results of tests conducted that comply with requirements and ensure the ELV RE installation is safe, including any formal documents of the results of testing required by authorities
 - documents of periodic inspection and testing of ELV RE wiring and equipment, including any tagging, in accordance with requirements
 - energy efficient building design
 - relevant RE manufacturer specifications
 - relevant safe work method statements (SWMS)/job safety assessments or risk mitigation processes
 - relevant WHS/OHS legislated requirements
 - relevant workplace 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 suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in suitable 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, 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>
