



Australian Government

UEERE0001 Apply environmentally and sustainable procedures in the energy sector

Release: 1

UEERE0001 Apply environmentally and sustainable procedures in the energy sector

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 apply environmentally sustainable procedures in the energy sector.

It includes identifying and applying sustainable methods of work practice that minimise energy and material usage and to apply energy reduction strategies in the energy sector workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Renewable Energy

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify sustainable work practice

PERFORMANCE CRITERIA

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

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|------------|--|
| 1.1 | Activities are planned, prepared and sequenced to ensure work health and safety (WHS)/occupational health and safety (OHS) policies and workplace procedures are followed in accordance with work requirements |
| 1.2 | Relevant personnel are consulted to ensure work is |

	coordinated effectively with others
	1.3 Materials required for the work are obtained and checked in accordance with workplace procedures and compliance with work requirements
	1.4 Location that activities are to be undertaken is determined from job requirements
	1.5 Workplace environmental risks and resource efficiency issues are identified
2 Apply sustainable work practice	2.1 WHS/OHS policies and workplace procedures for undertaking administrative functions are followed
	2.2 Energy assessment is undertaken in accordance with requirements to implement techniques which produce energy reduction directly or indirectly
	2.3 Approval is obtained for suggested improvements to energy efficient methods and components from relevant person/s before any contingencies are implemented
	2.4 Unplanned events or conditions are responded to in accordance with workplace procedures in a manner that minimises risk to personnel, equipment and environment
	2.5 On-going checks of the quality of the work are undertaken in accordance with established procedures
	2.6 Work is carried out efficiently without unnecessary waste of materials or damage to the surrounding environment while using sustainable work practices which minimise wastage of energy and materials either directly or indirectly
3 Complete workplace documentation	3.1 Documentation/reports are completed to ensure detailed promotional activities requirements are met
	3.2 Suggestions are made to relevant person/s for improvement/s to workplace practices to minimise energy and materials wastage
	3.3 Workplace documentation is completed 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.

Unit Mapping Information

This unit replaces and is equivalent to UEENEEK142A Apply environmentally and sustainable procedures in the energy sector.

Links

Companion Volume implementation guides are found in VETNet - -

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

Assessment Requirements for UEERE0001 Apply environmentally and sustainable procedures in the energy sector

Modification History

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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) and environmental requirements
- applying sustainable energy principles and work practice in daily work activities
- completing relevant workplace documentation
- coordinating work with others
- identifying and obtaining materials required for work
- identifying environmental risks and resource efficiency issues
- dealing with unplanned events in accordance with workplace procedures in a manner that minimises risk to personnel, equipment and environment
- demonstrating the application of environmental and sustainable procedures in the energy sector, including:
 - undertaking an energy assessment
 - selecting energy efficient methods and components
 - reviewing environmentally and sustainable procedures and documenting suggestions for improvements to relevant person/s
 - obtaining approval from appropriate personnel before any contingencies are implemented.

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:

- sustainable work practices, including:
 - economic benefits of sustainable initiatives
 - effects of neglecting sustainable work practice
 - international and national greenhouse imperatives
 - legislative requirements
 - notion of sustainable work practice

- the greenhouse effect - causes and consequences
- the role of regulators and similar bodies
- techniques for reducing carbon produced energy and hence greenhouse gases, including:
 - domestic, commercial and industrial strategies
 - energy efficient retrofits (overview)
 - renewable energy (RE) technologies (overview)
- trade-related technologies and methods
- relevant risk mitigation processes
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- 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 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 technology currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, relevant industry standards, codes of practice and operation manuals.

Links

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