



Australian Government

UEECD0034 Produce routine tools/devices for carrying out energy sector work activities

Release: 1

UEECD0034 Produce routine tools/devices for carrying out energy sector work activities

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 produce tools and devices required to carry out energy sector work activities.

It includes identifying and carrying out work activities in the energy sector.

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

Competency Field

Cross Discipline

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify energy sector work activity

PERFORMANCE CRITERIA

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

- 1.1 Work instructions for preparing work activities are obtained and confirmed
- 1.2 Work health and safety (WHS)/occupational health and safety (OHS) policies and workplace procedures are communicated, confirmed and applied

- 1.3** Tools, equipment and personal protective equipment (PPE) for work are identified, checked and are safe to use in accordance with workplace procedures
 - 1.4** Relevant person/s is consulted to ensure work is coordinated effectively with others
 - 1.5** Resources and materials required for work are confirmed, scheduled and obtained in accordance with workplace procedures
 - 1.6** Schedule of work and safe work practices are confirmed in accordance with work instructions and workplace procedures
- 2 Produce tools/devices**
 - 2.1** WHS/OHS policies and workplace procedures for safe work practices are followed to eliminate or minimise incidents
 - 2.2** Schedule of work is followed to ensure work is completed in agreed timelines, to required quality standard and with a minimum of waste
 - 2.3** Unplanned situations are responded to in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
 - 2.4** Regular quality checks of work are undertaken in accordance with work instructions and requirements
- 3 Complete work activity**
 - 3.1** Checks are made to ensure the completed work conforms with work instructions and to requirements for tools and devices produced
 - 3.2** Relevant person/s is notified of completion of work activity
 - 3.3** Tools, equipment, surplus resources and materials are cleaned, checked and returned to storage in accordance with workplace procedures
 - 3.4** Work area is cleaned, made safe and sustainable energy practices are followed
 - 3.5** Workplace records are updated in accordance with work instructions 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.

Producing routine tools/devices for carrying out energy sector work activities must be demonstrated in at least one of the following disciplines:

- appliances
- business equipment
- computers
- data communications
- electrical
- electrical machines
- electronics
- fire protection
- instrumentation
- refrigeration and air conditioning
- renewable/sustainable energy
- security technology

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE143A Produce routine tools/devices for carrying out energy sector work activities.

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 UEECD0034 Produce routine tools/devices for carrying out energy sector work activities

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, performance criteria and range of conditions on at least two separate occasions and include:

- applying industry standards
- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including using risk control measures
- applying sustainable energy practices
- dealing with unplanned events/situations in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
- dismantling and assembling electrical and electronic components
- following quality, workplace procedures and instructions
- following work schedule
- identifying and carrying out work activities
- obtaining and checking tools, equipment resources and materials
- producing products in accordance with work schedule
- updating work records
- using and returning tools, equipment, personal protective equipment (PPE), surplus resources and materials.

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:

- problem-solving techniques
- scope of engineering practice work and responsibilities, including:
 - applying and working to ethical standards
 - maintaining currency in technical and regulatory developments
 - working with others in a project team
- relevant hand, fixed and portable tools, including:
 - associated hazards

- care and maintenance
- cutting, shaping, drilling, threading, tapping, and finishing metallic, non-metallic and structural components
- different types of tools and their purpose
- requirements for use in the workplace
- techniques for the correct and safe use
- tools for dismantling and assembling electrical and electronic components
- tools for measuring and marking out
- relevant industry standards
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications
- relevant quality workplace procedures
- relevant sustainable energy practices
- relevant tool, equipment, resources and materials
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace policies, procedures and instructions.

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 simulated suitable 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 simulations
- relevant and appropriate materials, tools, facilities, equipment and PPE currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, relevant industry standards, codes of practice and operation manuals.

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