



Australian Government

UEECD0009 Carry out routine work activities in an energy sector environment

Release: 1

UEECD0009 Carry out routine work activities in an energy sector environment

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 carry out work activities in an energy sector environment.

It includes preparing, carrying out work activities in the energy sector and checking the quality of the work completed.

Practice in the workplace and during training is also subject to regulations directly related to work health and safety (WHS)/occupational health and safety (OHS) and where applicable contracts of training, such as apprenticeships.

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 Prepare work activity

PERFORMANCE CRITERIA

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

1.1 Work instructions for preparing work activity are obtained and confirmed

- 1.2** WHS/OHS policies and workplace procedures are communicated, confirmed and applied
 - 1.3** Tools, equipment and personal protective equipment (PPE) necessary 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 job requirements
- 2 Carry out work activity**
 - 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, quality standard and with a minimum of waste
 - 2.3** Electrotechnology practices and electrical principles are applied to routine work activities
 - 2.4** Unplanned situations are responded to in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
 - 2.5** Quality checks of work are undertaken in accordance with work instructions and workplace procedures
- 3 Check completed work**
 - 3.1** Checks are made to ensure work activity is in accordance with work instructions and job requirements
 - 3.2** Relevant person/s is notified of work activity completion
 - 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.

Unit Mapping Information

This unit replaces and is equivalent to UEENEEE148A Carry out routine work activities in an energy sector environment.

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 UEECD0009 Carry out routine work activities in an energy sector environment

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:

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

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:

- energy sector vocations, including:
 - electrical
 - electronics and communications
 - computer systems
 - data communication
 - refrigeration and air conditioning
 - instrumentation and control
 - rail signalling

- lifts
- electricity supply – generation, transmission and distribution
- gas industry
- career paths in energy sector, including:
 - Australian policy framework for qualifications/classifications
 - scope of work for the installation, maintenance and servicing sector
- training in energy sector vocations, including:
 - traineeships and apprenticeships
 - minimum electrical licencing requirements
 - career pathways and awards
- industry stakeholders, including:
 - employer and employee organisations
 - government electrical regulatory authorities and skills standards networks
 - private and public Registered Training Organisations (RTOs)
- qualification requirements, including:
 - units of competency and qualification assessments
- employment preparation, including:
 - job application involving research, writing and methods to apply
 - job interview consisting of preparation and presentation
- relevant job safety assessments or risk mitigation processes
- relevant manufacturer specifications and operating instruction for tools, equipment and technologies
- relevant sustainable energy practices
- 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 personal protective equipment (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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