



Australian Government

UEPMNT001 Carry out routine work activities in an electricity supply industry generation environment

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEP Electricity Supply Industry - Generation Sector Training Package Release 2.0.

Application

This unit involves the skills and knowledge required to undertake scheduled routine work activities in the electricity supply industry (ESI) generation sector.

Routine work includes undertaking functions encompassing activities such as the operation of non-critical generation plant systems, lubricating plant and performing minor maintenance on both electrical and mechanical equipment. Tasks may also involve cleaning, warehousing, stock duties and the operation of load shifting equipment.

Competency in this unit requires the ability carry out routine work activities in an electrical supply generation environment. Individuals will work, under supervision, as an operator in a power generation facility.

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

Pre-requisite Unit

There are no prerequisite units

Competency Field

Maintenance

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

1 Prepare to undertake routine work activities

- 1.1** Work requirements are identified from relevant personnel and documentation, in accordance with permit and workplace procedures
- 1.2** Work health and safety (WHS)/occupational health and safety (OHS) regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, environmental requirements and workplace procedures are identified, applied and monitored
- 1.3** Tools, equipment and personnel protective equipment (PPE) are identified and checked to ensure they are safe to use in accordance with workplace procedures
- 1.4** Relevant personnel are consulted to ensure work is coordinated at site with others in accordance with workplace procedures
- 1.5** Resources and materials are confirmed and obtained in accordance with workplace procedures
- 1.6** Schedule of work, including practices for working safely such as the use of safety data sheets (SDS), manual handling techniques and PPE, are confirmed in accordance with workplace procedures

2 Carry out work activities

- 2.1** Hazards are identified and risk controls are implemented in accordance with workplace procedures
- 2.2** Schedule of work is followed to ensure work activities are completed in accordance with workplace procedures
- 2.3** Work practices applicable to ESI are applied in accordance with workplace procedures
- 2.4** Instructions are sought, if required, from relevant personnel when unplanned events occur in accordance with workplace procedures
- 2.5** Continuous checks on work quality are undertaken in accordance with workplace procedures

3 Check completed work activities

- 3.1** Final checks are made to ensure work conforms with instructions and requirements in accordance with workplace procedures
- 3.2** Relevant personnel are notified of work completion in accordance with workplace procedures

- 3.3 Tools, equipment, resources and materials are cleaned, checked and returned to storage in accordance with workplace procedures
- 3.4 Work area is cleaned and made safe using sustainable energy practices in accordance with workplace procedures
- 3.5 Records are updated 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 UEP Electricity Supply Industry - Generation Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPMNT201 Carry out routine work activities in an electricity supply industry generation environment.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>

Assessment Requirements for UEPMNT001 Carry out routine work activities in an electricity supply industry generation environment

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least two separate occasions and include:

- applying sustainable energy practices
- applying work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - emergency procedures
 - hazard identification
 - personal protective equipment (PPE)
 - risk control measures
 - safe working practices
- checking work results
- communicating with personnel
- completing lubrication, servicing and maintenance activities
- complying with regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- dealing with unplanned events
- interpreting manufactures' specifications and manuals
- preparing to undertake routine work activities
- using permit to work system, safety data sheets (SDS) and manual handling techniques
- using tools, resources, materials and permits.

Knowledge Evidence

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

- cleaning methods and tools
- cleaning solvents
- electrical supply industry routine tasks
- lubrication, service and maintenance requirements

- manual handling techniques
- manuals
- SDS
- permit to work system
- potential hazards
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- sustainable energy practices
- types of power generation plant
- WHS/OHS legislated requirements, including:
 - emergency procedures
 - hazard identification
 - PPE
 - risk control measures
 - safe working practices
- workplace documentation
- 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 PPE currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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