



Australian Government

UEPOPS063 Monitor and maintain wind farm civil assets

Release: 1

UEPOPS063 Monitor and maintain wind farm civil assets

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 monitor and conduct preventative and remedial maintenance to ensure the integrity of civil assets associated with a wind farm.

Wind farm civil assets include infrastructure such as water treatment facilities, sewer pipelines, roads, utility grids, bridges, tunnels and railways. Civil asset maintenance in a wind power generation system involves the use of strategies to preserve and extend the service life of infrastructure.

Competency in this unit requires the ability to plan work, monitor wind farm civil assets, maintain wind farm civil assets and complete all work. Individuals will, in general, work as an operator, in a power generation facility.

Power generation plant operators are trained and authorised to isolate, prepare plant and issue permits to work.

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

Pre-requisite Unit

There are no prerequisite units

Competency Field

Operations

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 Plan and prepare for work**
 - 1.1** 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
 - 1.2** Work requirements are identified from relevant personnel and site inspection in accordance with workplace procedures
 - 1.3** Resources are identified, obtained and inspected for compliance in accordance with workplace procedures
 - 1.4** Potential hazards are identified, and risk control measures are selected and implemented in accordance with workplace procedures
 - 1.5** Work is sequenced and prioritised in accordance with workplace procedures
- 2 Monitor wind farm civil assets**
 - 2.1** Inspections of wind farm civil assets are completed in accordance with workplace procedures
 - 2.2** Inspections of wind farm civil assets are reported in accordance with workplace procedures
 - 2.3** Defects in wind farm civil assets are reported in accordance with workplace procedures
- 3 Maintain wind farm civil assets**
 - 3.1** Maintenance of wind farm civil assets is undertaken in accordance with workplace procedures
 - 3.2** Appropriate tools, equipment or plant required to maintain wind farm civil assets are utilised in accordance with manufacturers' recommendations and specifications, and workplace procedures
 - 3.3** Defects are repaired in accordance with workplace procedures
- 4 Complete work**
 - 4.1** Maintenance work is completed and relevant personnel notified in accordance with workplace procedures
 - 4.2** Work area is cleared of waste, cleaned, restored and secured in accordance with workplace procedures
 - 4.3** Wind farm civil asset maintenance tools and equipment are maintained and stored in accordance with

manufacturers' recommendations and specifications, and workplace procedures

- 4.4** Work completion details are finalised 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 UEPOPS358 Monitor and maintain wind farm civil assets.

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 UEPOPS063 Monitor and maintain wind farm civil assets

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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 work health and safety (WHS)/occupational health and safety (OHS) requirements, including:
 - emergency procedures
 - risk control measures
 - safe working practices
- clearing waste from work area
- communicating with personnel
- completing work
- identifying and selecting equipment and materials
- implementing regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- interpreting manuals
- monitoring and maintaining wind farm civil assets using monitoring and maintenance procedures
- planning and preparing for work
- storing and maintaining civil asset tools and equipment.

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 include knowledge of:

- arrangements of wind farm power plant, including wind turbine types and characteristics
- layout of power generation wind farm facility and associated civil assets
- manuals
- regulations, legislative requirements, codes of practice, manufacturers' recommendations and specifications, and environmental requirements
- WHS/OHS requirements, including:
 - emergency procedures

- risk control measures
- safe working practices
- wind farm civil asset monitoring and maintenance techniques
- 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 personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

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