



Australian Government

UEPMNT370 Maintain and monitor wind farm civil assets

Release: 1

UEPMNT370 Maintain and monitor wind farm civil assets

Modification History

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

Application

This unit involves the skills and knowledge required to condition, monitor and conduct preventative and remedial maintenance to ensure the integrity of civil assets associated with a wind farm.

Civil assets include infrastructure such as water treatment facilities, sewer pipelines, roads, utility grids, bridges, tunnels and railways. Maintenance involves the use of strategies and procedures to preserve and extend the service life of civil asset infrastructure at a wind farm.

Competency in this unit requires the ability to plan work, disassemble wind turbine, inspect wind turbine components, repair wind turbine and/or components and report on all completed work tasks. Individuals will, in general, work under supervision in a maintenance operative in a power generation facility.

Power generation maintenance personnel are typically trained and authorised to receive permits to work.

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

Note: Workplace practice

The application of the skills and knowledge described in this unit of competency may require a licence or training permit to practice in the workplace, where work is carried out on gas and electrical installations. Additional and/or other conditions may apply under state and territory legislative and regulatory licensing requirements.

Pre-requisite Unit

UEENEEK142A Apply environmental and sustainable procedures in the energy sector

UEENEEE102A Fabricate, assemble and dismantle utilities industry components

Competency Field

Maintenance

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1 Plan and prepare for the work

- 1.1** Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations, legislative requirements, industry standards, codes of practice, manufacturers' specifications, environmental obligations and workplace procedures are reviewed in preparation for work
- 1.2** Requirements including scope of work and assigned roles are identified and confirmed with appropriate personnel or by site inspection, in accordance with workplace procedures
- 1.3** Resources are 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 planned sequenced and prioritised, in accordance with workplace procedures

2 Monitor civil assets

- 2.1** Inspection of civil assets is completed, in accordance with workplace procedures
- 2.2** Inspection results are reported, in accordance with workplace procedures
- 2.3** Defects are reported, in accordance with workplace procedures

3 Maintain civil assets

- 3.1** Maintenance work on civil assets is undertaken, in accordance with workplace procedures and site requirements
- 3.2** Tools and equipment to maintain civil assets are utilised, in accordance with manufacturers' specifications and job requirements.
- 3.3** Defects are repaired, in accordance with workplace procedures

4 Complete work

- 4.1** Work is completed and appropriate personnel are 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** Tools and equipment are maintained, in accordance with manufacturers' 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPMNT370A Maintain and monitor 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>