



**Australian Government**

# **UEPMNT008 Maintain and monitor wind farm civil assets**

**Release: 1**

# UEPMNT008 Maintain and monitor 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 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 trained and authorised to receive permits to work.

The application of the skills and knowledge described in this unit may require a licence/registration to practice in the workplace.

Other conditions may apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing this unit.

## Pre-requisite Unit

Not applicable

## 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.
<b>1 Plan and prepare for the work</b>	<p><b>1.1</b> Work health and safety (WHS)/occupational health and safety (OHS) regulations, legislative requirements, industry standards, codes of practice, manufacturers' recommendations and specifications, environmental requirements and workplace procedures are reviewed in preparation for work</p> <p><b>1.2</b> Requirements, including scope of work and assigned roles, are identified and confirmed with appropriate personnel or by site inspection in accordance with workplace procedures</p> <p><b>1.3</b> Resources are obtained and inspected for compliance in accordance with workplace procedures</p> <p><b>1.4</b> Potential hazards are identified and risk control measures are selected and implemented in accordance with workplace procedures</p> <p><b>1.5</b> Work is planned sequenced and prioritised in accordance with workplace procedures</p>
<b>2 Monitor civil assets</b>	<p><b>2.1</b> Inspection of civil assets is completed in accordance with workplace procedures</p> <p><b>2.2</b> Inspection results are reported in accordance with workplace procedures</p> <p><b>2.3</b> Defects are reported in accordance with workplace procedures</p>
<b>3 Maintain civil assets</b>	<p><b>3.1</b> Maintenance work on civil assets is undertaken in accordance with workplace procedures and site requirements</p> <p><b>3.2</b> Tools and equipment to maintain civil assets are utilised in accordance with manufacturers' recommendations and specifications, and job requirements.</p> <p><b>3.3</b> Defects are repaired in accordance with workplace procedures</p>
<b>4 Complete work</b>	<p><b>4.1</b> Work is completed and appropriate personnel are notified in accordance with workplace procedures</p> <p><b>4.2</b> Work area is cleared of waste, cleaned, restored and</p>

secured in accordance with workplace procedures

- 4.3 Tools and equipment are maintained 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 UEPMNT370 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>