



Australian Government

UEP40622 Certificate IV in Wind Power Generation

Release 1

UEP40622 Certificate IV in Wind Power Generation

Modification History

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

Qualification Description

This qualification covers the skills and knowledge required to work in wind power generation. The skills and knowledge associated with this qualification are intended to apply to a wide range of wind power generation work, including wind farm maintenance, wind turbine maintenance and repair.

When electrical units are selected, the student must have the appropriate regulatory licence to undertake these units.

Licensing/Certification Information

The application of the skills and knowledge described within the units in this qualification may require a licence/registration to practice in the workplace. Other conditions may also apply under State and Territory legislative and regulatory licencing requirements which must be confirmed prior to commencing this qualification. For this qualification, persons undertaking any the following general electives units:

UEPMNT005 Diagnose and repair faults in wind turbine control systems

UEPMNT006 Diagnose and repair faults in wind turbine electrical systems

UEPMNT011 Maintain wind turbine electrical systems

UEPMNT014 Test and commission wind turbines

must have one of the following as an entry requirement:

Unrestricted Electrical Licence issued in an Australian State or Territory, or

Electrical Fitter Occupational Licence issued in an Australian State or Territory, or

UEEEL0028 Conduct compliance and functional verification of electrical apparatus and existing circuits, or

UEEEL0039 Design, install and verify compliance and functionality of general electrical installations.

Entry Requirements

As identified in the Licensing/Certification Information

Packaging Rules

A total of **19 units** comprising:

- **12 core units** listed below; **plus**
- **7 electives units** listed below.

2 elective units may be selected, with appropriate contextualisation, from a qualification in this or any other endorsed Training Package, provided selected units contribute to the vocational outcome of the qualification.

Where imported units are selected, care must be taken to ensure all prerequisite units specified are complied with.

Where a prerequisite unit is attached to a unit, it is identified by this symbol ⊥.

Core units

HLTAID009 Provide cardiopulmonary resuscitation

HLTAID011 Provide first aid

HLTWHS005 Conduct manual tasks safely

PUAFER008 Confine small emergencies in a facility

RIIWHS204E Work safely at heights

UEPMNT009 Maintain large scale wind turbines

UEPMNT012 Maintain wind turbine mechanical systems

UEPMNT007 Diagnose and repair mechanical systems faults in wind turbines
⊥ UEPMNT012 Maintain wind turbine mechanical systems

UEPOPS011 Conduct multiple energy source isolation procedures for permit to work
⊥ UEPOPS017 Conduct single energy source isolation procedures for permit to work

UEPOPS017 Conduct single energy source isolation procedures for permit to work

UEPOPS107 Operate and monitor supervisory, control and data acquisition systems

PUASAR032 Undertake vertical rescue
⊥ PUASAR022 Participate in a rescue operation

General Elective units

- CPCCLDG30 Licence to perform dogging
01
- CPCCLRG30 Licence to perform rigging basic level
01 ⊔ CPCCLDG3001 Licence to perform dogging
- ICTICT214 Operate application software packages
- MSMPER200 Work in accordance with an issued permit
- MSMPER205 Enter confined space
 ⊔ MSMPER200 Work in accordance with an issued permit
- PUASAR022 Participate in a rescue operation
 ⊔ HLTAID011 Provide first aid
- RIIWHS202E Enter and work in confined spaces
- TLILIC0005 Licence to operate a boom-type elevating work platform (boom length 11 metres or more)
- UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- UEECD0019 Fabricate, assemble and dismantle utilities industry components
 ⊔ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- UEECO0002 Maintain documentation
- UEPMNT002 Carry out routine work activities in an ESI large scale wind generation environment
- UEPMNT003 Coordinate maintenance on a wind farm
 ⊔ UEPMNT009 Maintain large scale wind turbines
 ⊔ UEPMNT010 Maintain wind turbine control systems
 ⊔ UEPMNT012 Maintain wind turbine mechanical systems
- UEPMNT004 Diagnose and repair faults in large scale wind turbines
 ⊔ UEPMNT009 Maintain large scale wind turbines
- UEPMNT005 Diagnose and repair faults in wind turbine control systems
 ⊔ UEPMNT010 Maintain wind turbine control systems
 ⊔ UEPOPS107 Operate and monitor supervisory control and data acquisition systems
- UEPMNT006 Diagnose and repair faults in wind turbine electrical systems
 ⊔ UEPMNT011 Maintain wind turbine electrical systems

UEPMNT008	Maintain and monitor wind farm civil assets
UEPMNT010	Maintain wind turbine control systems
UEPMNT011	Maintain wind turbine electrical systems
UEPMNT013	Monitor climatic conditions for renewable electricity generation
UEPMNT014	Test and commission wind turbines
UEPOPS025	Coordinate local H.V. networks
UEPOPS036	Develop H.V. switching programs
UEPOPS116	Operate local H.V. switchgear
UEPOPS124	Perform switching to a switching program
UEPOPS130	Respond to a critical incident
UETDREL00 5	Work safely in the vicinity of live electrical apparatus └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UETTDRRF0 1	Apply ESI safety rules, codes of practice and procedures for work on or near electrical apparatus
UETDRRF00 6	Perform tower rescue └ HLTAID009 Provide cardiopulmonary resuscitation
UETTDRRF0 9	Apply access procedures to work on or near electrical network infrastructure

Qualification Mapping Information

This qualification replaces and is not equivalent to UEP40618 Certificate IV in Large Scale Wind Generation - Electrical

Links

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