Australian Government

UEP40622 Certificate IV in Wind Power Generation

Release 2

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Modification History

Release 2. This is the second release of this qualification in the UEP Electricity Supply Industry - Generation Sector Training Package to update superseded imported units.

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

CPCCLDG3001	Licence to perform dogging
CPCCLRG3001	Licence to perform rigging basic level

     ∟ 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

UETDREL005   Work safely in the vicinity of live electrical apparatus

└ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UETDRMP001   Apply access authority procedures to work on or near electrical apparatus

UETDRMP002   ESI safety rules for work on, near or in the vicinity of electrical apparatus

UETDRMP009   Perform tower rescue

└ HLTAID009 Provide cardiopulmonary resuscitation

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