Australian Government

UEP40618 Certificate IV in Large Scale Wind Generation - Electrical

Release 1

UEP40618 Certificate IV in Large Scale Wind Generation - Electrical

Modification History

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

Qualification Description

Participants gaining this qualification will be able to operate, test, find and diagnose faults and alter and repair electrical equipment and systems associated with large scale wind power generation. It may also include the supervision of others and the coordination of work activities.

This qualification may meet the requirements for a Restricted Electricians Licence (Electrical Fitter). Licensing requirements should be confirmed with the relevant state/territory licensing and regulatory authorities.

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

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

A total 1280 weighting points comprising 900 core weighting points, plus 380 elective weighting points from the general elective units listed below.

Choose a total of 380 weighting point from the general elective units list below of which between 0 and 60 weighting points can be taken from Group A. A total of 120 weighting points can be selected from Group B. Between 260 and 380 weighting points may be taken from Group C, you may select all your elective units from this group.

Up to 60 weighting points of the general elective units Group A, may be selected, with appropriate contextualisation, from any relevant nationally endorsed Training Package or accredited course, provided that selected units contribute to the vocational outcome of the qualification. Previously assigned weighting points are listed in UEP CVIG, if not listed weighting points will be 10 points unless directed from the ESI Generation Industry Reference Committee (IRC). The general elective units must contribute to the vocational outcomes of the qualification.

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

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

Core units		Weighting points
UEENEEE101A	Apply Occupational, Health and Safety regulations, codes and practices in the workplace	20
UEENEEE102A	Fabricate, assemble and dismantle utilities industry components ∟UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	40
UEENEEE104A	Solve problems in D.C. circuits ∟UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	80
UEENEEE105A	Fix and secure electrotechnology equipment ∟UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	20
UEENEEE107A	Use drawings, diagrams, schedules, standards, codes and specifications ∟UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	40
UEENEEE117A	Implement and monitor energy sector OHS policies and procedures	20
UEENEEE185A	Write work activity reports	20
UEENEEE137A	Document and apply measures to control OHS risks associated with electrotechnology work ∟UEENEEE101AApply Occupational, Health and Safety regulations, codes and practices in the workplace	20
UEENEEE038B	Participate in development and follow a personal competency development plan	20
UEENEEG006A	Solve problems in single and three phase low voltage machines ∟UEENEEE101AApply Occupational, Health and Safety regulations, codes and practices in the workplace ∟UEENEEE102A Fabricate, dismantle, assemble of electrotechnology components ∟UEENEEE104A Solve problems in D.C circuits ∟UEENEEE105A Fix and secure electrotechnology	80

	equipment	
	∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟ UEENEEG102A Solve problems in low voltage A.C. circuit	
	∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
UEENEEG033A	Solve problems in single and three phase low voltage electrical apparatus and circuits	60
	∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	
	∟ UEENEEE102A Fabricate, dismantle, assemble of electrotechnology components	
	∟ UEENEEE104A Solve problems in D.C circuits	
	∟ UEENEEE105A Fix and secure electrotechnology equipment	
	∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟ UEENEEG102A Solve problems in low voltage A.C. circuit	
	∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
UEENEEG063A	Arrange circuits, control and protection for general electrical installations	40
	∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	
	∟ UEENEEE102A Fabricate, dismantle, assemble of electrotechnology components	
	∟ UEENEEE104A Solve problems in D.C circuits	
	∟ UEENEEE105A Fix and secure electrotechnology equipment	
	∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟ UEENEEG101A Solve problems in electromagnetic	

	devices and related circuits ∟ UEENEEG102A Solve problems in low voltage A.C. circuit ∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
UEENEEG101A	Solve problems in electromagnetic devices and related circuits ∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace ∟ UEENEEE104A Solve problems in D.C circuits	60
UEENEEG102A	Solve problems in low voltage A.C. circuits ∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace ∟ UEENEEE104A Solve problems in D.C circuits ∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits	80
UEENEEG106A	Terminate cables, cords and accessories for low voltage circuits ∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace ∟ UEENEEE102A Fabricate, assemble and dismantle utilities industry components ∟ UEENEEE105A Fix and secure electrotechnology equipment ∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	40
UEENEEG108A	Troubleshoot and repair faults in low voltage electrical apparatus and circuits ∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace ∟ UEENEEE102A Fabricate, dismantle, assemble of utilities components ∟ UEENEEE104A Solve problems in D.C. circuits ∟ UEENEEE105A Fix and secure electrotechnology equipment ∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	40

	∟UEENEEG006A Solve problems in single and three phase low voltage machines	
	∟UEENEEG033A Solve problems in single and three phase electrical apparatus and circuits	
	∟UEENEEG063A Arrange circuits, control and protection for general electrical installations	
	∟UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟UEENEEG102A Solve problems in low voltage A.C. circuits	
	∟UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
UEENEEG109A	Develop and connect electrical control circuits	80
	∟UEENEEE101AApply Occupational, Health and Safety regulations, codes and practices in the workplace	
	∟UEENEEE102A Fabricate, dismantle, assemble of electrotechnology components	
	∟UEENEEE104A Solve problems in D.C circuits	
	∟UEENEEE105A Fix and secure electrotechnology equipment	
	∟UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟UEENEEG006A Solve problems in single and three phase low voltage machines	
	∟UEENEEG063A Arrange circuits, control and protection for general electrical installations	
	∟UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟UEENEEG102A Solve problems in low voltage A.C. circuit	
	∟UEENEEG106A Terminate cables, cords and accessories for low voltage circuit	
UEENEEG199A	Conduct compliance and functional verification of electrical apparatus and existing circuits	40
	∟UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	
	∟UEENEEE102A Fabricate, dismantle and assemble and utilities components	

	∟ UEENEEE104A Solve problems in D.C circuits	
	∟ UEENEEE105A Fix and secure electrotechnology equipment	
	∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟ UEENEEE137A Document and apply measures to control OHS risks associated with electrotechnology work	
	∟ UEENEEG006A Solve problems in single and three phase low voltage machines	
	∟ UEENEEG033A Solve problems in single and three phase electrical apparatus and circuits	
	∟ UEENEEG063A Arrange circuits, control and protection for general electrical installations	
	∟ UEENEEG101ASolve problems in electromagnetic devices and related circuits	
	∟ UEENEEG102A Solve problems in low voltage A.C. circuits	
	∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
	∟ UEENEEG108A Troubleshoot and repair faults in electrical apparatus and circuits	
	∟ UEENEEG109A Develop and connect electrical control circuits	
UEENEEK145A	Implement and monitor energy sector environmental and sustainable policies and procedures	20
UEPMNT202	Carry out routine work activities in an ESI large scale wind generation environment	20
UEPMNT371	Maintain large scale wind turbine generators	60

Group A elective units		**Weighting points**
UEENEEC001B	Maintain documentation	20
UEENEEC010B	Deliver a service to customers	20
UEENEED101A	Use computer applications relevant to a workplace	20
	∟ UEENEEE101A Apply Work, Health Safety regulations, codes and practices in the workplace.	

UEENEEE009B	Comply with scheduled and preventative maintenance program processes	20

Group B elective units		**Weighting points**
UEENEED104A	Use engineering applications software on personal computers	40
	∟ UEENEEE101A Apply Work, Health Safety regulations, codes and practices in the workplace	
UEENEEI116A	Assemble, enter and verify operating instructions in microprocessor equipped devices	20
	∟ UEENEEE101A Apply Work, Health Safety regulations, codes and practices in the workplace	
UEENEEI150A	Develop, enter and verify discrete control programs for programmable controllers	60
	∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	
UEENEEF102A	Install and maintain cabling for multiple access to telecommunication services	120
	∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	
	∟ UEENEEE102A Fabricate, assemble and dismantle utilities industry components	
	∟ UEENEEE104A Solve problems in D.C. circuits	
	∟ UEENEEE105A Fix and secure electrotechnology equipment	
	∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
UEENEEF104A	Install and modify performance data communication copper cabling	40
	∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	
	∟ UEENEEE102A Fabricate, assemble and dismantle utilities industry components	
	∟ UEENEEE104A Solve problems in D.C. circuits	
	∟ UEENEEE105A Fix and secure electrotechnology equipment	
	∟ UEENEEE107A Use drawings, diagrams, schedules,	

	standards, codes and specifications ∟ UEENEEF102A Install and maintain cabling for multiple access to telecommunication services	
UEENEEF107A	Set up and configure the wireless capabilities of communications and data storage devices ∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	40
UEENEEF108A	Select and arrange equipment for wireless communication networks ∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	40
UEENEEF111A	Test, report and rectify faults in data and voice installations ∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace ∟ UEENEEE102A Fabricate, assemble and dismantle utilities industry components ∟ UEENEEE104A Solve problems in D.C. circuits ∟ UEENEEE105A Fix and secure electrotechnology equipment ∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications ∟ UEENEEF102A Install and maintain cabling for multiple access to telecommunication services ∟ UEENEEF104A Install and modify performance data communication copper cabling ∟ UEENEEF105A Install and modify optical fibre performance data communication cabling	40
UEENEEG110A	Find and repair faults in L.V. D.C. electrical apparatus and circuits ∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace ∟ UEENEEE102A Fabricate, dismantle, assemble of utilities components ∟ UEENEEE104A Solve problems in D.C circuits ∟ UEENEEE105A Fix and secure electrotechnology equipment ∟ UEENEEE107A Use drawings, diagrams, schedules,	60

	standards, codes and specifications ∟UEENEEG006A Solve problems in single and three phase low voltage machines ∟UEENEEG033A Solve problems in single and three phase electrical apparatus and circuits ∟UEENEEG063A Arrange circuits, control and protection for general electrical installations ∟UEENEEG101A Solve problems in electromagnetic devices and related circuits ∟UEENEEG102A Solve problems in low voltage A.C. circuit ∟UEENEEG106A Terminate cables, cords and accessories for low voltage circuits ∟UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits	
UEENEEG111A	Carry out basic repairs to electrical components and equipment ∟UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace ∟UEENEEE102A Fabricate, assemble and dismantle utilities industry components	40
UEENEEG116A	Diagnose and rectify faults in traction lift systems ∟UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace ∟UEENEEE102A Fabricate, dismantle, assemble of utilities components ∟UEENEEE104A Solve problems in D.C circuits ∟UEENEEE105A Fix and secure electrotechnology equipment ∟UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications ∟UEENEEG006A Solve problems in single and three phase low voltage machines ∟UEENEEG033A Solve problems in single and three phase electrical apparatus and circuits ∟UEENEEG063A Arrange circuits, control and protection for general electrical installations ∟UEENEEG101A Solve problems in electromagnetic	80

	devices and related circuits	
	∟UEENEEG102A Solve problems in low voltage A.C. circuit	
	∟UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
	∟UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits	
UEENEEG129A	Overhaul and repair major switchgear and control gear	60
	∟UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	
	∟UEENEEE102A Fabricate, dismantle, assemble of utilities components	
	∟UEENEEE104A Solve problems in D.C circuits	
	∟UEENEEE105A Fix and secure electrotechnology equipment	
	∟UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟UEENEEG111A Carry out basic repairs to electrical components and equipment	
	∟UEENEEG164A Repair and maintain mechanical components of electrical machines	
UEENEEG157A	Conduct electrical tests on L.V. electrical machines	40
	∟UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	
	∟UEENEEE102A Fabricate, assemble and dismantle utilities industry components	
	∟UEENEEE104A Solve problems in D.C. circuits	
	∟UEENEEE105A Fix and secure electrotechnology equipment	
	∟UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟UEENEEG006A Solve problems in single and three phase low voltage machines	
	∟UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟UEENEEG102A Solve problems in low voltage A.C. circuits	
	∟UEENEEG106A Terminate cables, cords and	

	accessories for low voltage circuits ∟UEENEEG150A Wind electrical coils ∟UEENEEG151A Place and connect electrical coils ∟UEENEEG153A Rewind three phase low voltage induction machines ∟UEENEEG033A Solve problems in single and three phase electrical apparatus and circuits ∟UEENEEG063A Arrange circuits, control and protection for general electrical installations ∟UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits	
UEENEEG159A	Conduct mechanical tests on electrical machines and components ∟UEENEEG157A Conduct electrical tests on LV electrical machines ∟UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace ∟UEENEEE102A Fabricate, assemble and dismantle utilities industry components ∟UEENEEE104A Solve problems in D.C. circuits ∟UEENEEE105A Fix and secure electrotechnology equipment ∟UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications ∟UEENEEG006A Solve problems in single and three phase low voltage machines ∟UEENEEG101A Solve problems in electromagnetic devices and related circuits ∟UEENEEG102A Solve problems in low voltage A.C. circuits ∟UEENEEG106A Terminate cables, cords and accessories for low voltage circuits ∟UEENEEG150 Wind electrical coils ∟UEENEEG151 Place and connect electrical coils ∟UEENEEG153 Rewind three phase low voltage induction machines ∟UEENEEG033A Solve problems in single and three phase electrical apparatus and circuits	40

	∟ UEENEEG063A Arrange circuits, control and protection for general electrical installations	
	∟ UEENEEG108AA Troubleshoot and repair faults in low voltage electrical apparatus and circuits	
UEENEEG164A	Repair and maintain mechanical components of electrical machines	40
	∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	
	∟ UEENEEE102A Fabricate, assemble and dismantle utilities industry components	
	∟ UEENEEE105A Fix and secure electrotechnology equipment	
	∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟ UEENEEG111A Carry out basic repairs to electrical components and equipment	
UEENEEG165A	Maintain and service traction lifts systems and equipment	40
	∟ UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	
	∟ UEENEEE102A Fabricate, dismantle, assemble of utilities components	
	∟ UEENEEE104A Solve problems in D.C circuits	
	∟ UEENEEE105A Fix and secure electrotechnology equipment	
	∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟ UEENEEG006A Solve problems in single and three phase low voltage machines	
	∟ UEENEEG033A Solve problems in single and three phase electrical apparatus and circuits	
	∟ UEENEEG063A Arrange circuits, control and protection for general electrical installations	
	∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟ UEENEEG102A Solve problems in low voltage A.C. circuit	
	∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	

	∟UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits	
	∟UEENEEG116A Diagnose and rectify faults in traction lift systems	
UEENEEH102A	Repair basic electronic apparatus faults by replacement of components	40
	∟UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	
	∟UEENEEE102A Fabricate, dismantle, assemble of utilities industry components	
UEENEEH111A	Troubleshoot single phase input D.C. power supplies	40
	∟UEENEEE101A Apply Occupational, Health and Safety regulations, codes and practices in the workplace	
	∟UEENEEE104A Solve problems in D.C. circuits	
	∟UEENEEH102A Repair basic electronic apparatus faults by replacement of components	
	∟UEENEEH114A Troubleshoot resonance circuits in an electronic apparatus	
	∟UEENEEE119A Solve problems in multiple path extra low voltage (ELV) A.C. circuits	
	∟UEENEEH169A Solve problems in basic electronic circuits	
	∟UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟UEENEEG102A Solve problems in low voltage A.C. circuits	
UEENEEI101A	Use instrumentation drawings, specifications, standards and equipment manuals	40
	∟UEENEEE101A Apply Work, Health Safety regulations, codes and practices in the workplace`	
	∟UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
UEENEEK142A	Apply environmentally and sustainable procedures in the energy sector	20
UETTDRIS44A	Perform H.V. field switching operation to a given schedule	40
	∟UEENEEE101A Apply Occupational, Health and	

Safety regulations, codes and practices in the workplace

∟ UEENEEE102A Fabricate, assemble and dismantle utilities industry components

∟ UEENEEE104A Solve problems in D.C. circuits

∟ UEENEEE105A Fix and secure electrotechnology equipment

∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications

∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits

∟ UEENEEG102A Solve problems in low voltage A.C. Circuits

∟ UETTDREL16A Working safely near live electrical apparatus

Transmission Overhead Pathway Group

∟ UETTDREL11A Apply sustainable energy and environmental procedures

∟ UETTDREL12A Operate plant and equipment near live electrical conductors and apparatus

∟ UETTDRIS54A Install and maintain poles, structures and overhead conductors and cables

∟ UETTDRTP26A Install transmission structures and associated hardware

∟ UETTDRTP27A Maintain transmission structures and associated hardware

∟ UETTDRTP29A Install and maintain transmission overhead conductors and cables

Distribution Overhead Pathway Group

∟ UETTDREL11A Apply sustainable energy and environmental procedures

∟ UETTDRDP12A Maintain overhead energised low voltage conductors and cables

∟ UETTDREL12A Operate plant and equipment near live electrical conductors and apparatus

∟ UETTDRIS41A Install network infrastructure electrical equipment

∟ UETTDRIS42A Maintain network infrastructure electrical equipment

∟ UETTDRIS52A Install and maintain poles, structures

and associated hardware

∟UETTDRIS54A Install and maintain poles, structures and overhead conductors and cables

∟UETTDRIS56AInstall and maintain low voltage overhead services

Rail Traction Pathway Group

∟UETTDREL11A Apply sustainable energy and environmental procedures

∟UETTDREL12A Operate plant and equipment near live electrical conductors and apparatus

∟UETTDRIS52A Install and maintain poles, structures and associated hardware

∟UETTDRIS54A Install and maintain poles, structures and overhead conductors and cables

∟UETTDRRT21A Install traction overhead wiring systems

∟UETTDRRT22A Maintain traction overhead wiring systems

∟UETTDRRT23A Install rail traction bonds

∟UETTDRRT27A Install overhead traction components and equipment

∟UETTDRRT28A Maintain overhead traction components and equipment

Distribution Cable Jointing Pathway Group

∟UETTDRCJ21A Lay ESI electrical cables

∟UETTDRCJ26A Install and maintain deenergised low voltage underground polymeric cables.

∟UETTDRCJ27A Install and maintain deenergised high voltage underground polymeric cables.

∟UETTDREL11A Apply sustainable energy and environmental procedures

∟UETTDREL12A Operate plant and equipment near live electrical conductors and apparatus

∟UETTDRIS41A Install network infrastructure electrical equipment

∟UETTDRIS42A Maintain network infrastructure electrical equipment

∟UETTDRIS55A Install and maintain low voltage underground services

	Electrical Pathway Group	
	∟ UEENEEE137A Document and apply measures to control OHS risks associated with electrotechnology work	
	∟ UEENEEG006A Solve problems in single and three phase low voltage machines	
	∟ UEENEEG033A Solve problems in single and three phase electrical apparatus and circuits	
	∟ UEENEEG063A Arrange circuits, control and protection for general electrical installations	
	∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
	∟ UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits	
	∟ UEENEEG109A Develop and connect electrical control circuits	
	∟ UEENEEK142A Apply environmentally and sustainable energy procedures in the energy sector	
	∟ UETTDRIS67A Solve problems in energy supply network equipment	
UETTDREL16A	Working safely near live electrical apparatus	20
UEPOPS301	Conduct single energy source isolation procedures for permit to work	40
UEPOPS349	Operate local H.V. switchgear	40
UEPMNT369	Monitor climatic conditions for renewable electricity generation	40
UEPMNT370	Maintain and monitor wind farm civil assets	40
	∟ UEENEEK142A Apply environmental and sustainable procedures in the energy sector	
	∟ UEENEEE102A Fabricate, assemble and dismantle utilities industry components	

Group C elective units		**Weighting points**
UEPMNT442	Maintain wind turbine generator electrical systems	60
	∟ UEPMNT371 Maintain large scale wind turbine generators	

	∟UEENEEG006A Solve problems in single and three phase low voltage machines	
	∟UEENEEE102A Fabricate, dismantle, assemble of electrotechnology components	
	∟UEENEEE104A Solve problems in D.C circuits	
	∟UEENEEE105A Fix and secure electrotechnology equipment	
	∟UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟UEENEEG101ASolve problems in electromagnetic devices and related circuits	
	∟UEENEEG102A Solve problems in low voltage A.C. circuit	
	∟UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
UEPMNT443	Maintain wind turbine generator control systems	60
	∟UEPMNT371 Maintain large scale wind turbine generators	
UEPMNT444	Maintain wind turbine generator mechanical systems	60
	∟UEPMNT371 Maintain large scale wind turbine generators	
UEPMNT445	Diagnose and repair faults in large scale wind turbine generators	60
	∟UEPMNT371 Maintain large scale wind turbines generators	
	∟UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits	
	∟UEENEEE102A Fabricate, dismantle, assemble of utilities industry components	
	∟UEENEEE104A Solve problems in D.C. circuits	
	∟UEENEEE105A Fix and secure electrotechnology equipment	
	∟UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟UEENEEG006A Solve problems in single and three phase low voltage machines	
	∟UEENEEG033A Solve problems in single and three phase low voltage electrical apparatus and circuits	

	∟UEENEEG063A Arrange circuits, control and protection for general electrical installations	
	∟UEENEEG101ASolve problems in electromagnetic devices and related circuits	
	∟UEENEEG102A Solve problems in low voltage A.C. circuits	
	∟UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
UEPMNT446	Coordinate maintenance on a wind farm	60
	∟UEPMNT445 Diagnose and repair faults in large scale wind turbine generators	
	∟UEPMNT448 Diagnose and repair faults in wind turbine generator control systems	
	∟UEPMNT449 Diagnose and repair faults in wind turbine generator mechanical systems	
	∟UEPMNT371 Maintain large scale wind turbines generators	
	∟UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits	
	∟UEENEEE102A Fabricate, dismantle, assemble of utilities industry components	
	∟UEENEEE104A Solve problems in D.C. circuits	
	∟UEENEEE105A Fix and secure electrotechnology equipment	
	∟UEENEEG107 Use drawings, diagrams, schedules, standards, cords and specifications	
	∟UEENEEG006A Solve problems in single and three phase low voltage machines	
	∟UEENEEG033A Solve problems in single and three phase low voltage electrical apparatus and circuits	
	∟UEENEEG063A Arrange circuits, control and protection for general electrical installations	
	∟UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟UEENEEG102A Solve problems in low voltage A.C. circuits	
	∟UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
	∟UEPMNT443 Maintain wind turbine generator	

	control systems ∟ UEENEEE107A Use drawings, diagrams, schedules, standards, cords and specifications ∟ UEPMNT444 Maintain wind turbine generator mechanical systems	
UEPMNT447	Diagnose and repair faults in wind turbine generator electrical systems ∟ UEPMNT371 Maintain large scale wind turbine generators ∟ UEPMNT442 Maintain wind turbine generator electrical systems ∟ UEPMNT445 Diagnose and repair faults in large scale wind turbine generators UEENEEE102A Fabricate, dismantle, assemble of electrotechnology components ∟ UEENEEE104A Solve problems in D.C circuits ∟ UEENEEE105A Fix and secure electrotechnology equipment ∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications ∟ UEENEEG006A Solve problems in single and three phase low voltage machines ∟ UEENEEG033A Solve problems in single and three phase low voltage electrical apparatus and circuits ∟ UEENEEG063A Arrange circuits, control and protection for general electrical installations ∟ UEENEEG101ASolve problems in electromagnetic devices and related circuits ∟ UEENEEG102A Solve problems in low voltage A.C. circuits ∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits ∟ UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits	60
UEPMNT448	Diagnose and repair faults in wind turbine generator control systems ∟ UEPMNT371 Maintain large scale wind turbine generators ∟ UEPMNT443 Maintain wind turbine generator	60

	control systems ∟ UEPMNT445 Diagnose and repair faults in large scale wind turbine generators ∟ UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits ∟ UEENEEE102A Fabricate, dismantle, assemble of utilities industry components ∟ UEENEEE104A Solve problems in D.C. circuits ∟ UEENEEE105A Fix and secure electrotechnology equipment ∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications ∟ UEENEEG006A Solve problems in single and three phase low voltage machines ∟ UEENEEG033A Solve problems in single and three phase low voltage electrical apparatus and circuits ∟ UEENEEG063A Arrange circuits, control and protection for general electrical installations ∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits ∟ UEENEEG102A Solve problems in low voltage A.C. circuits ∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuit	
UEPMNT449	Diagnose and repair mechanical systems faults in wind turbine generators ∟ UEPMNT371 Maintain large scale wind turbines generators ∟ UEPMNT444 Maintain wind turbine generator mechanical systems ∟ UEPMNT445 Diagnose and repair faults in large scale wind turbine generators ∟ UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits ∟ UEENEEE102A Fabricate, dismantle, assemble of utilities industry components ∟ UEENEEE104A Solve problems in D.C. circuits ∟ UEENEEE105A Fix and secure electrotechnology equipment	60

	∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟ UEENEEG006A Solve problems in single and three phase low voltage machines	
	∟ UEENEEG033A Solve problems in single and three phase low voltage electrical apparatus and circuits	
	∟ UEENEEG063A Arrange circuits, control and protection for general electrical installations	
	∟ UEENEEG101A Solve problems in electromagnetic devices and related circuits	
	∟ UEENEEG102A Solve problems in low voltage A.C. circuits	
	∟ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
UEPMNT450	Test and commission wind turbine generators	60
	∟ UEPMNT371 Maintain large scale wind turbine generators	
	∟ UEPMNT444 Maintain wind turbine generator mechanical systems	
	∟ UEPMNT443 Maintain wind turbine generator control systems	
	∟ UEPMNT448 Diagnose and repair faults in wind turbine generator control systems	
	∟ UEPMNT449 Diagnose and repair mechanical systems faults in wind turbine generators	
	∟ UEPMNT445 Diagnose and repair faults in large scale wind turbine generators	
	∟ UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits	
	∟ UEENEEE102A Fabricate, dismantle, assemble of utilities industry components	
	∟ UEENEEE104A Solve problems in D.C. circuits	
	∟ UEENEEE105A Fix and secure electrotechnology equipment	
	∟ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications	
	∟ UEENEEG006A Solve problems in single and three phase low voltage machines	
	∟ UEENEEG033A Solve problems in single and three	

	phase low voltage electrical apparatus and circuits ∟UEENEEG063A Arrange circuits, control and protection for general electrical installations ∟UEENEEG101A Solve problems in electromagnetic devices and related circuits ∟UEENEEG102A Solve problems in low voltage A.C. circuits ∟UEENEEG106A Terminate cables, cords and accessories for low voltage circuits	
UEPOPS402	Conduct multiple energy source isolation procedures for permit to work ∟UEPOPS301 Conduct single energy source isolation procedures for permit to work.	40
UEPOPS424	Coordinate local H.V. networks	30
UEPOPS428	Develop H.V. switching programs	20
UEPOPS456	Perform switching to a switching program	30

Qualification Mapping Information

This qualification replaces and is equivalent to UEP40612 Certificate IV in Large Scale Wind Generation - Electrical

Links

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