



Australian Government

UET30619 Certificate III in ESI - Power Systems - Distribution Overhead

Release 1

UET30619 Certificate III in ESI - Power Systems - Distribution Overhead

Modification History

Release 1. This is the first release of this qualification in the UET Transmission, Distribution and Rail Sector Training Package

Qualification Description

This qualification provides the skills and knowledge to work in the electricity supply industry (ESI) as an Overhead Distribution Linesperson.

This qualification covers work on distribution overhead powerlines, including installation, maintenance and inspection of poles, structures and associated hardware. It also includes installation and maintenance of electrical equipment, conductors and cables used in the powerline industry and the use of support plant and equipment to undertake these tasks and environmental requirements.

The skills and knowledge described within the units in this qualification may require a licence or permit to practice in the workplace.

Additional and/or other conditions may also apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing the qualification.

Entry Requirements

There are no entry requirements for this qualification

Packaging Rules

A total of **1060 weighting points** comprising:

920 core weighting points listed below; **plus**

140 general elective weighting points from the general elective units listed below.

Choose a total of **140 weighting points** elective units from the list below, of which between 0 and 70 **weighting points** can be taken from Group A; and between 80 and 140 **weighting points** taken from Group B. You may select all your elective 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 selected units contribute to the vocational outcome of the qualification. Previously assigned weighting points are listed in UET Transmission, Distribution and Rail Sector Training Package Companion Volume Implementation Guide, if not listed

weighting points will be 10 points.

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

Core units	Weighting Points
AHCMOM213 Operate and maintain chainsaws	20
CPCCLDG3001A Licence to perform dogging	20
TLILIC0005 Licence to operate a boom-type elevating work platform (boom length 11 metres or more)	40
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
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	80

	<ul style="list-style-type: none"> └ UEENEEG101A Solve problems in electromagnetic devices and related circuits 	
UETTDROP11	Inspect overhead poles-structures and electrical apparatus Common Unit Group <ul style="list-style-type: none"> └ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace └ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications └ UETTDREL11 Apply sustainable energy and environmental procedures └ UETTDREL16 Working safely near live electrical apparatus 	50
UETTDROP12	Maintain overhead energised low voltage conductors and cables Common Unit Group <ul style="list-style-type: none"> └ 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 └ UETTDREL11 Apply sustainable energy and environmental procedures └ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus └ UETTDREL16 Working safely near live electrical apparatus └ UETTDRI52 Install and maintain poles, structures and associated hardware └ UETTDRI54 Install and maintain poles, structures 	60

and overhead conductors and cables

UETTD RDP99	Test and verify distribution overhead installations	40
	Common Unit Group	
	└ 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	
	└ UETTD RDP11 Inspect overhead poles-structures and electrical apparatus	
	└ UETTD RDP12 Maintain overhead energised low voltage conductors and cables	
	└ UETTD REL11 Apply sustainable energy and environmental procedures	
	└ UETTD REL12 Operate plant and equipment near live electrical conductors and apparatus	
	└ UETTD REL16 Working safely near live electrical apparatus	
	└ UETTD RIS41 Install network infrastructure electrical equipment	
	└ UETTD RIS42 Maintain network infrastructure electrical equipment	
	└ UETTD RIS52 Install and maintain poles, structures and associated hardware	
	└ UETTD RIS54 Install and maintain poles, structures and overhead conductors and cables	
	└ UETTD RIS56 Install and maintain low voltage overhead services	
UETTD REL11	Apply sustainable energy and environmental procedures	20

UETTDREL12	Operate plant and equipment near live electrical conductors and apparatus Common Unit Group └ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace └ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications └ UETTDREL16 Working safely near live electrical apparatus	40
UETTDREL16	Working safely near live electrical apparatus	20
UETTDRLS41	Install network infrastructure electrical equipment Common Unit Group └ 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 └ UETTDREL11 Apply sustainable energy and environmental procedures └ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus └ UETTDREL16 Working safely near live electrical apparatus Transmission Overhead Pathway Group └ UETTDRLS54 Install and maintain poles, structures and overhead conductors and cables └ UETTDRLTP26 Install transmission structures and associated hardware └ UETTDRLTP27 Maintain transmission structures and	60

associated hardware

└ UETTD RTP29 Install and maintain transmission overhead conductors and cables

Distribution Overhead Pathway Group

└ UETTD RDP12 Maintain overhead energised low voltage conductors and cables

└ UETTD RIS52 Install and maintain poles, structures and associated hardware

└ UETTD RIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTD RIS56 Install and maintain low voltage overhead services

Rail Traction Pathway Group

└ UETTD RIS52 Install and maintain poles, structures and associated hardware

└ UETTD RIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTD RRT21 Install traction overhead wiring systems

└ UETTD RRT22 Maintain traction overhead wiring systems

└ UETTD RRT23 Install rail traction bonds

└ UETTD RRT27 Install overhead traction components and equipment

└ UETTD RRT28 Maintain overhead traction components and equipment

Distribution Cable Jointing Pathway Group

└ UETTD RCJ21 Lay ESI electrical cables

└ UETTD RCJ26 Install and maintain de-energised low voltage underground polymeric cables

└ UETTD RCJ27 Install and maintain de-energised high voltage underground polymeric cables

└ UETTD RIS55 Install and maintain low voltage underground services

UETTD RIS42 Maintain network infrastructure electrical equipment 60

Common Unit Group

└ 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

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDREL16 Working safely near live electrical apparatus

Transmission Overhead Pathway Group

└ UETTDNIS41 Install network infrastructure electrical equipment

└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDNTP26 Install transmission structures and associated hardware

└ UETTDNTP27 Maintain transmission structures and associated hardware

└ UETTDNTP29 Install and maintain transmission overhead conductors and cables

Distribution Overhead Pathway Group

└ UETTDNDP12 Maintain overhead energised low voltage conductors and cables

└ UETTDNIS41 Install network infrastructure electrical equipment

└ UETTDNIS52 Install and maintain poles, structures and associated hardware

└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDNIS56 Install and maintain low voltage overhead services

Rail Traction Pathway Group

└ UETTDNIS41 Install network infrastructure electrical equipment

└ UETTDNIS52 Install and maintain poles, structures and associated hardware

└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDNRRT21 Install traction overhead wiring systems

└ UETTDNRRT22 Maintain traction overhead wiring systems

└ UETTDNRRT23 Install rail traction bonds

└ UETTDNRRT27 Install overhead traction components and equipment

└ UETTDNRRT28 Maintain overhead traction components and equipment

Distribution Cable Jointing Pathway Group

└ UETTDNRCJ21 Lay ESI electrical cables

└ UETTDNRCJ26 Install and maintain de-energised low voltage underground polymeric cables

└ UETTDNRCJ27 Install and maintain de-energised high voltage underground polymeric cables

└ UETTDNIS41 Install network infrastructure electrical equipment

└ UETTDNIS55 Install and maintain low voltage underground services

UETTDNIS52	Install and maintain poles, structures and associated hardware	50
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Common Unit Group

└ UEENEEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace

└ UEENEEEE102A Fabricate, assemble and dismantle utilities industry components

└ UEENEEEE105A Fix and secure electrotechnology equipment

└ UEENEEEE107A Use drawings, diagrams, schedules, standards, codes and specifications

└ UETTDREL11 Apply sustainable energy and

	environmental procedures	
	└ UETTDREL16 Working safely near live electrical apparatus	
UETTDRI54	Install and maintain poles, structures and overhead conductors and cables	60
	Common Unit Group	
	└ 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	
	└ UETTDREL11 Apply sustainable energy and environmental procedures	
	└ UETTDREL16 Working safely near live electrical apparatus	
UETTDRI56	Install and maintain low voltage overhead services	40
	Electrotechnology Electrician	
	Common Unit Group	
	└ 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	
	└ UETTDREL16 Working safely near live electrical apparatus	
	Transmission Overhead Pathway Group	
	└ UETTDREL11 Apply sustainable energy and	

environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRT26 Install transmission structures and associated hardware

└ UETTDRT27 Maintain transmission structures and associated hardware

└ UETTDRT29 Install and maintain transmission overhead conductors and cables

Distribution Overhead Pathway Group

└ UETTDNDP12 Maintain overhead energised low voltage conductors and cables

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDNIS52 Install and maintain poles, structures and associated hardware

└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

Rail Traction Pathway Group

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDNIS52 Install and maintain poles, structures and associated hardware

└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRT21 Install traction overhead wiring systems

└ UETTDRT22 Maintain traction overhead wiring systems

└ UETTDRT23 Install rail traction bonds

└ UETTDRT27 Install overhead traction components and equipment

└ UETTDRT28 Maintain overhead traction

components and equipment

Distribution Cable Jointing Pathway Group

- └ UETTDRCJ21 Lay ESI electrical cables
- └ UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables
- └ UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables
- └ UETTDREL11 Apply sustainable energy and environmental procedures
- └ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus
- └ UETTDRI41 Install network infrastructure electrical equipment
- └ UETTDRI42 Maintain network infrastructure electrical equipment
- └ UETTDRI55 Install and maintain low voltage underground services

Electrotechnology Electrician 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 low voltage 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 Trouble-shoot and repair faults in low voltage electrical apparatus and circuits
- └ UEENEEG109A Develop and connect electrical control circuits
- └ UEENEEK142A Apply environmentally and sustainable procedures in the energy sector
- └ UETTDRI67 Solve problems in energy supply network equipment

Group A: Imported and common elective units

Weighting Points

CPCCLHS3001A	Licence to operate a personnel and materials hoist	10
CPCCLHS3002A	Licence to operate a materials hoist	10
CPCCLRG3001A	Licence to perform rigging basic level	40
	└ CPCCLDG3001A Licence to perform dogging	
CPCCLRG3002A	Licence to perform rigging intermediate level	60
	└ CPCCLRG3001A Licence to perform rigging basic level	
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level	20
CPCCLSF3001A	Licence to erect, alter and dismantle scaffolding intermediate level	20
	└ CPCCLSF2001A Licence to erect, alter and dismantle scaffolding basic level	
TLILIC0002	Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above)	40
TLILIC0003	Licence to operate a forklift truck	40
TLILIC2015	Licence to drive a medium rigid vehicle	20
TLILIC2016	Licence to drive a heavy rigid vehicle	20
TLILIC0006	Licence to operate a bridge and gantry crane	70
TLILIC0010	Licence to operate a slewing mobile crane (up to 20 tonnes)	70
TLILIC0013	Licence to operate a slewing mobile crane (up to 60 tonnes)	70
TLILIC0015	Licence to operate a slewing mobile crane (over 100 Tonnes)	70
UEENEEE108A	Lay wiring/cabling and terminate accessories for extra-low voltage (ELV) circuits	40
	└ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	
	└ UEENEEE102A Fabricate, dismantle, assemble of utilities industry components	

	<ul style="list-style-type: none"> └ UEENEEE105A Fix and secure electrotechnology equipment └ UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications 	
UEENEEG106A	Terminate cables, cords and accessories for low voltage circuits <ul style="list-style-type: none"> └ 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

Group B: General elective units**Weighting Points**

UETTDRI43	Perform low voltage field switching operation to a given schedule Electrical Common Unit Group <ul style="list-style-type: none"> └ 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 └ UETTDREL16 Working safely near live electrical apparatus Transmission Overhead Pathway Group <ul style="list-style-type: none"> └ UETTDREL11 Apply sustainable energy and environmental procedures 	50
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└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRT26 Install transmission structures and associated hardware

└ UETTDRT27 Maintain transmission structures and associated hardware

└ UETTDRT29 Install and maintain transmission overhead conductors and cables

Distribution Overhead Pathway Group

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDNDP12 Maintain overhead energised low voltage conductors and cables

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDNIS41 Install network infrastructure electrical equipment

└ UETTDNIS42 Maintain network infrastructure electrical equipment

└ UETTDNIS52 Install and maintain poles, structures and associated hardware

└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDNIS56 Install and maintain low voltage overhead services

Rail Traction Pathway Group

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDNIS52 Install and maintain poles, structures and associated hardware

└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRT21 Install traction overhead wiring systems

└ UETTDRT22 Maintain traction overhead wiring

systems

└ UETTDRT23 Install rail traction bonds

└ UETTDRT27 Install overhead traction components and equipment

└ UETTDRT28 Maintain overhead traction components and equipment

Distribution Cable Jointing Pathway Group

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDRCJ21 Lay ESI electrical cables

└ UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables

└ UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDRI41 Install network infrastructure electrical equipment

└ UETTDRI42 Maintain network infrastructure electrical equipment

└ UETTDRI55 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 low voltage 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 Trouble-shoot and repair faults in low voltage electrical apparatus and circuits

└ UEENEEG109A Develop and connect electrical control circuits

└ UEENEEK142A Apply environmentally and

	sustainable procedures in the energy sector	
	└ UETTDRI67 Solve problems in energy supply network equipment	
UETTDRI44	Perform HV field switching operation to a given schedule	50
	Electrical	
	Common Unit Group	
	└ 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	
	└ UETTDREL16 Working safely near live electrical apparatus	
	Transmission Overhead Pathway Group	
	└ UETTDREL11 Apply sustainable energy and environmental procedures	
	└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus	
	└ UETTDRI54 Install and maintain poles, structures and overhead conductors and cables	
	└ UETTDRT26 Install transmission structures and associated hardware	
	└ UETTDRT27 Maintain transmission structures and associated hardware	
	└ UETTDRT29 Install and maintain transmission overhead conductors and cables	
	Distribution Overhead Pathway Group	
	└ UETTDREL11 Apply sustainable energy and environmental procedures	

- └ UETTDNDP12 Maintain overhead energised low voltage conductors and cables
- └ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus
- └ UETTDNIS41 Install network infrastructure electrical equipment
- └ UETTDNIS42 Maintain network infrastructure electrical equipment
- └ UETTDNIS52 Install and maintain poles, structures and associated hardware
- └ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables
- └ UETTDNIS56 Install and maintain low voltage overhead services

Rail Traction Pathway Group

- └ UETTDREL11 Apply sustainable energy and environmental procedures
- └ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus
- └ UETTDNIS52 Install and maintain poles, structures and associated hardware
- └ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables
- └ UETTDNRT21 Install traction overhead wiring systems
- └ UETTDNRT22 Maintain traction overhead wiring systems
- └ UETTDNRT23 Install rail traction bonds
- └ UETTDNRT27 Install overhead traction components and equipment
- └ UETTDNRT28 Maintain overhead traction components and equipment

Distribution Cable Jointing Pathway Group

- └ UETTDRCJ21 Lay ESI electrical cables
- └ UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables
- └ UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables
- └ UETTDREL11 Apply sustainable energy and

environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDRLS41 Install network infrastructure electrical equipment

└ UETTDRLS42 Maintain network infrastructure electrical equipment

└ UETTDRLS55 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 low voltage 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 Trouble-shoot and repair faults in low voltage electrical apparatus and circuits

└ UEENEEG109A Develop and connect electrical control circuits

└ UEENEEK142A Apply environmentally and sustainable procedures in the energy sector

└ UETTDRLS67 Solve problems in energy supply network equipment

UETTDRLS53 Install and maintain power system public lighting 40

Common Unit Group

└ 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

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDREL16 Working safely near live electrical apparatus

Transmission Overhead Pathway Group

└ UETTDRI54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRT26 Install transmission structures and associated hardware

└ UETTDRT27 Maintain transmission structures and associated hardware

└ UETTDRT29 Install and maintain transmission overhead conductors and cables

Distribution Overhead Pathway Group

└ UETTDROP12 Maintain overhead energised low voltage conductors and cables

└ UETTDRI41 Install network infrastructure electrical equipment

└ UETTDRI42 Maintain network infrastructure electrical equipment

└ UETTDRI52 Install and maintain poles, structures and associated hardware

└ UETTDRI54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRI56 Install and maintain low voltage overhead services

Rail Traction Pathway Group

└ UETTDRI52 Install and maintain poles, structures and associated hardware

└ UETTDRI54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRT21 Install traction overhead wiring

systems

└ UETDRRT22 Maintain traction overhead wiring systems

└ UETDRRT23 Install rail traction bonds

└ UETDRRT27 Install overhead traction components and equipment

└ UETDRRT28 Maintain overhead traction components and equipment

Distribution Cable Jointing Pathway Group

└ UETDRJC21 Lay ESI electrical cables

└ UETDRJC26 Install and maintain de-energised low voltage underground polymeric cables

└ UETDRJC27 Install and maintain de-energised high voltage underground polymeric cables

└ UETDRIS41 Install network infrastructure electrical equipment

└ UETDRIS42 Maintain network infrastructure electrical equipment

└ UETDRIS55 Install and maintain low voltage underground services

UETDRIS55 Install and maintain low voltage underground services 40

Electrotechnology Electrician

Common Unit Group

└ 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

└ UETDREL16 Working safely near live electrical apparatus

Transmission Overhead Pathway Group

- └ UETTDREL11 Apply sustainable energy and environmental procedures
- └ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus
- └ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables
- └ UETTDRT26 Install transmission structures and associated hardware
- └ UETTDRT27 Maintain transmission structures and associated hardware
- └ UETTDRT29 Install and maintain transmission overhead conductors and cables

Distribution Overhead Pathway Group

- └ UETTDND12 Maintain overhead energised low voltage conductors and cables
- └ UETTDREL11 Apply sustainable energy and environmental procedures
- └ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus
- └ UETTDNIS41 Install network infrastructure electrical equipment
- └ UETTDNIS42 Maintain network infrastructure electrical equipment
- └ UETTDNIS52 Install and maintain poles, structures and associated hardware
- └ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables
- └ UETTDNIS56 Install and maintain low voltage overhead services

Rail Traction Pathway Group

- └ UETTDREL11 Apply sustainable energy and environmental procedures
- └ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus
- └ UETTDNIS52 Install and maintain poles, structures and associated hardware
- └ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETDDRRT21 Install traction overhead wiring systems

└ UETDDRRT22 Maintain traction overhead wiring systems

└ UETDDRRT23 Install rail traction bonds

└ UETDDRRT27 Install overhead traction components and equipment

└ UETDDRRT28 Maintain overhead traction components and equipment

Distribution Cable Jointing Pathway Group

└ UETTDRCJ21 Lay ESI electrical cables

└ UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables

└ UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

Electrotechnology Electrician 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 low voltage 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 Trouble-shoot and repair faults in low voltage electrical apparatus and circuits

└ UEENEEG109A Develop and connect electrical control circuits

└ UEENEEK142A Apply environmentally and sustainable procedures in the energy sector

└ UETTDRI67 Solve problems in energy supply network equipment

UETTDRI57	Conduct visual checking and treatment of power system poles and structures	30
	Electrotechnology Systems Electrician	
	Common Unit Group	
	└ 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	
	└ UETTDREL11 Apply sustainable energy and environmental procedures	
	└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus	
	└ UETTDREL16 Working safely near live electrical apparatus	
	Transmission Overhead Pathway Group	
	└ UETTDRI54 Install and maintain poles, structures and overhead conductors and cables	
	└ UETTDRT26 Install transmission structures and associated hardware	
	└ UETTDRT27 Maintain transmission structures and associated hardware	
	└ UETTDRT29 Install and maintain transmission overhead conductors and cables	
	└ UETTDRT30 Inspect transmission overhead structures and electrical apparatus	
	Distribution Overhead Pathway Group	
	└ UETTDROP11 Inspect overhead poles-structures and electrical apparatus	
	└ UETTDROP12 Maintain overhead energised low	

voltage conductors and cables

└ UETTDRI41 Install network infrastructure electrical equipment

└ UETTDRI42 Maintain network infrastructure electrical equipment

└ UETTDRI52 Install and maintain poles, structures and associated hardware

└ UETTDRI54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRI56 Install and maintain low voltage overhead services

Rail Traction Pathway Group

└ UETTDRI52 Install and maintain poles, structures and associated hardware

└ UETTDRI54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRT21 Install traction overhead wiring systems

└ UETTDRT22 Maintain traction overhead wiring systems

└ UETTDRT23 Install rail traction bonds

└ UETTDRT27 Install overhead traction components and equipment

└ UETTDRT28 Maintain overhead traction components and equipment

Distribution Cable Jointing Pathway Group

└ UETTDRCJ21 Lay ESI electrical cables

└ UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables

└ UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables

└ UETTDROP11 Inspect overhead poles-structures and electrical apparatus

└ UETTDRI41 Install network infrastructure electrical equipment

└ UETTDRI42 Maintain network infrastructure electrical equipment

└ UETTDRI55 Install and maintain low voltage underground services

UETTDRI560	Install and replace power system energy meters and associated equipment	50
	Electrotechnology Electrician	
	Common Unit Group	
	└ 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	
	└ UETTDREL16 Working safely near live electrical apparatus	
	Distribution Overhead Pathway Group	
	└ UETTDREDP12 Maintain overhead energised low voltage conductors and cables	
	└ UETTDREL11 Apply sustainable energy and environmental procedures	
	└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus	
	└ UETTDRI541 Install network infrastructure electrical equipment	
	└ UETTDRI542 Maintain network infrastructure electrical equipment	
	└ UETTDRI552 Install and maintain poles, structures and associated hardware	
	└ UETTDRI554 Install and maintain poles, structures and overhead conductors and cables	
	└ UETTDRI556 Install and maintain low voltage overhead services	
	Distribution Cable Jointing Pathway Group	
	└ UETTDRCJ21 Lay ESI electrical cables	

- └ UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables
 - └ UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables
 - └ UETTDREL11 Apply sustainable energy and environmental procedures
 - └ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus
 - └ UETTDNIS41 Install network infrastructure electrical equipment
 - └ UETTDNIS42 Maintain network infrastructure electrical equipment
 - └ UETTDNIS55 Install and maintain low voltage underground services
- Electrotechnology Electrician 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 low voltage electrical apparatus and circuits
 - └ UEENEEG063A Arrange circuits, control and protection for general electrical installations
 - └ UEENEEG103A Install low voltage wiring and accessories
 - └ UEENEEG104A Install appliances, switchgear and associated accessories for low voltage electrical installations
 - └ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits
 - └ UEENEEG107A Select wiring systems and cables for low voltage general electrical installations
 - └ UEENEEG108A Trouble-shoot and repair faults in low voltage electrical apparatus and circuits
 - └ UEENEEG109A Develop and connect electrical control circuits
 - └ UEENEEK142A Apply environmentally and sustainable procedures in the energy sector

UETTDRI561	Install mobile generation set for synchronised LV Genset	50
	Electrotechnology Electrician	
	Common Unit Group	
	└ 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	
	└ UETTDREL16 Working safely near live electrical apparatus	
	Transmission Overhead Pathway Group	
	└ UETTDREL11 Apply sustainable energy and environmental procedures	
	└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus	
	└ UETTDRI54 Install and maintain poles, structures and overhead conductors and cables	
	└ UETTDRT26 Install transmission structures and associated hardware	
	└ UETTDRT27 Maintain transmission structures and associated hardware	
	└ UETTDRT29 Install and maintain transmission overhead conductors and cables	
	Distribution Overhead Pathway Group	
	└ UETTDRL12 Maintain overhead energised low voltage conductors and cables	
	└ UETTDREL11 Apply sustainable energy and environmental procedures	
	└ UETTDREL12 Operate plant and equipment near live	

electrical conductors and apparatus

└ UETTDNIS41 Install network infrastructure electrical equipment

└ UETTDNIS42 Maintain network infrastructure electrical equipment

└ UETTDNIS52 Install and maintain poles, structures and associated hardware

└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDNIS56 Install and maintain low voltage overhead services

Rail Traction Pathway Group

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDNIS52 Install and maintain poles, structures and associated hardware

└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDRT21 Install traction overhead wiring systems

└ UETTDRT22 Maintain traction overhead wiring systems

└ UETTDRT23 Install rail traction bonds

└ UETTDRT27 Install overhead traction components and equipment

└ UETTDRT28 Maintain overhead traction components and equipment

Distribution Cable Jointing Pathway Group

└ UETTDRCJ21 Lay ESI electrical cables

└ UETTDRCJ26 Install and maintain de-energised low voltage underground polymeric cables

└ UETTDRCJ27 Install and maintain de-energised high voltage underground polymeric cables

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDRI41 Install network infrastructure electrical equipment

└ UETTDRI42 Maintain network infrastructure electrical equipment

└ UETTDRI55 Install and maintain low voltage underground services

Electrotechnology Electrician 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 low voltage electrical apparatus and circuits

└ UEENEEG063A Arrange circuits, control and protection for general electrical installations

└ UEENEEG103A Install low voltage wiring and accessories

└ UEENEEG104A Install appliances, switchgear and associated accessories for low voltage electrical installations

└ UEENEEG106A Terminate cables, cords and accessories for low voltage circuits

└ UEENEEG107A Select wiring systems and cables for low voltage general electrical installations

└ UEENEEG108A Trouble-shoot and repair faults in low voltage electrical apparatus and circuits

└ UEENEEG109A Develop and connect electrical control circuits

└ UEENEEK142A Apply environmentally and sustainable procedures in the energy sector

UETTDRSB39 Perform power system substation switching operation to 50 a given schedule

Electrical

Common Unit Group

└ 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
- └ UETTDREL16 Working safely near live electrical apparatus

Transmission Overhead Pathway Group

- └ UETTDREL11 Apply sustainable energy and environmental procedures
- └ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus
- └ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables
- └ UETTDNTP26 Install transmission structures and associated hardware
- └ UETTDNTP27 Maintain transmission structures and associated hardware
- └ UETTDNTP29 Install and maintain transmission overhead conductors and cables

Distribution Overhead Pathway Group

- └ UETTDNDP12 Maintain overhead energised low voltage conductors and cables
- └ UETTDREL11 Apply sustainable energy and environmental procedures
- └ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus
- └ UETTDNIS41 Install network infrastructure electrical equipment
- └ UETTDNIS42 Maintain network infrastructure electrical equipment
- └ UETTDNIS52 Install and maintain poles, structures and associated hardware
- └ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDNIS56 Install and maintain low voltage overhead services

Rail Traction Pathway Group

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDNIS52 Install and maintain poles, structures and associated hardware

└ UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

└ UETTDNRRT21 Install traction overhead wiring systems

└ UETTDNRRT22 Maintain traction overhead wiring systems

└ UETTDNRRT23 Install rail traction bonds

└ UETTDNRRT27 Install overhead traction components and equipment

└ UETTDNRRT28 Maintain overhead traction components and equipment

Distribution Cable Jointing Pathway Group

└ UETTDNRCJ21 Lay ESI electrical cables

└ UETTDNRCJ26 Install and maintain de-energised low voltage underground polymeric cables

└ UETTDNRCJ27 Install and maintain de-energised high voltage underground polymeric cables

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDNIS41 Install network infrastructure electrical equipment

└ UETTDNIS42 Maintain network infrastructure electrical equipment

└ UETTDNIS55 Install and maintain low voltage underground services

Electrical Pathway Group

└ UEENEEE137A Document and apply measures to control WHS/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 low voltage 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 Trouble-shoot and repair faults in low voltage electrical apparatus and circuits

└ UEENEEG109A Develop and connect electrical control circuits

└ UEENEEK142A Apply environmentally and sustainable procedures in the energy sector

└ UETTDRI567 Solve problems in energy supply network equipment

UETTDRC29 Control vegetation whilst performing linework 40

Common Unit Group

└ 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

└ UETTDREL11 Apply sustainable energy and environmental procedures

└ UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

└ UETTDREL16 Working safely near live electrical apparatus

└ UETTDRI52 Install and maintain poles, structures

and associated hardware

└ UETTDRI54 Install and maintain poles, structures
and overhead conductors and cables

Qualification Mapping Information

This qualification replaces and is equivalent to UET30612 Certificate III in ESI - Power Systems - Transmission Overhead

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>